

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056934.D
 Acq On : 25 Jul 2019 21:14
 Operator : JC/SP
 Sample : VN0726WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Manual Integrations
 APPROVED

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 7/26/2019 3:37:54 PM

Quant Time: Jul 26 04:42:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:10:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	448181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	581506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	250140	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.58	113	225436	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.08	98	854462	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.39	95	262961	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	106929	20.440	ug/l	99
3) Chloromethane	2.05	50	119736	20.729	ug/l	99
4) Vinyl Chloride	2.17	62	111763	20.548	ug/l	97
5) Bromomethane	2.55	94	68999	20.973	ug/l	97
6) Chloroethane	2.69	64	61469	20.360	ug/l	97
7) Trichlorofluoromethane	3.00	101	148727	20.980	ug/l	99
8) Diethyl Ether	3.39	74	54195	20.414	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85757	19.688	ug/l	98
10) Methyl Iodide	3.93	142	120835	18.880	ug/l	99
11) Tert butyl alcohol	4.77	59	66402	99.251	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87264	20.748	ug/l	100
13) Acrolein	3.59	56	33916	90.460	ug/l	97
14) Allyl chloride	4.30	41	133192	19.518	ug/l	99
15) Acrylonitrile	4.96	53	200087	103.925	ug/l	99
16) Acetone	3.80	43	145589	91.928	ug/l	99
17) Carbon Disulfide	4.03	76	213252	18.825	ug/l	100
18) Methyl Acetate	4.31	43	110170	19.870	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	257934	20.856	ug/l	99
20) Methylene Chloride	4.53	84	99567	19.853	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	91289	20.283	ug/l	97
22) Diisopropyl ether	5.93	45	292945	21.079	ug/l	98
23) Vinyl Acetate	5.88	43	984623	102.851	ug/l	100
24) 1,1-Dichloroethane	5.83	63	167091	20.464	ug/l	99
25) 2-Butanone	6.82	43	237420	97.391	ug/l	99
26) 2,2-Dichloropropane	6.81	77	103340	17.246	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	105364	20.515	ug/l	98
28) Bromochloromethane	7.18	49	84590	22.449	ug/l	97
29) Tetrahydrofuran	7.20	42	168538	105.508	ug/l	99
30) Chloroform	7.36	83	164985	19.620	ug/l	99
31) Cyclohexane	7.64	56	157784	19.858	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	135456	20.114	ug/l	99
36) 1,1-Dichloropropene	7.78	75	120904	19.819	ug/l	100
37) Ethyl Acetate	6.91	43	99355	20.099	ug/l	98
38) Carbon Tetrachloride	7.76	117	115517	19.908	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149097	20.054	ug/l	98
40) Benzene	8.03	78	386649	20.325	ug/l	97
41) Methacrylonitrile	7.16	41	34092m	15.681	ug/l	
42) 1,2-Dichloroethane	8.11	62	119763	20.383	ug/l	99
43) Isopropyl Acetate	8.15	43	164355	20.209	ug/l #	91
44) Trichloroethene	8.82	130	107362	20.688	ug/l	99
45) 1,2-Dichloropropane	9.11	63	104199	20.382	ug/l	98
46) Dibromomethane	9.20	93	62846	20.391	ug/l	98
47) Bromodichloromethane	9.39	83	120738	20.061	ug/l	99
48) Methyl methacrylate	9.19	41	79550	20.376	ug/l	100
49) 1,4-Dioxane	9.19	88	33234	406.529	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	499493	103.297	ug/l	100
52) Toluene	10.15	92	237612	20.826	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	118378	19.509	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	138795	19.430	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	91327	19.973	ug/l	97
56) Ethyl methacrylate	10.42	69	130570	21.238	ug/l	97
57) 1,3-Dichloropropane	10.70	76	152798	20.417	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	262634	99.374	ug/l	100
59) 2-Hexanone	10.74	43	336507	101.509	ug/l	100
60) Dibromochloromethane	10.89	129	91111	19.612	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93450	20.590	ug/l	98
64) Tetrachloroethene	10.62	164	111038	20.904	ug/l	99
65) Chlorobenzene	11.43	112	248009	20.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	93175	20.593	ug/l	98
67) Ethyl Benzene	11.50	91	431026	20.577	ug/l	100
68) m/p-Xylenes	11.62	106	323071	41.361	ug/l	98
69) o-Xylene	11.94	106	161592	21.142	ug/l	97
70) Styrene	11.96	104	253419	19.536	ug/l	99
71) Bromoform	12.12	173	61132	19.452	ug/l #	100
73) Isopropylbenzene	12.24	105	421763	21.705	ug/l	99
74) N-amyl acetate	12.06	43	122510	20.302	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	118118	22.520	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96052m	20.348	ug/l	
77) Bromobenzene	12.52	156	106483	20.272	ug/l	98
78) n-propylbenzene	12.59	91	443354	20.422	ug/l	100
79) 2-Chlorotoluene	12.67	91	272929	21.388	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	351768	20.723	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	27233	18.994	ug/l	94
82) 4-Chlorotoluene	12.77	91	253314	20.400	ug/l	99
83) tert-Butylbenzene	12.99	119	303300	21.720	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	339606	21.127	ug/l	100
85) sec-Butylbenzene	13.17	105	386601	20.442	ug/l	99
86) p-Isopropyltoluene	13.28	119	342446	20.491	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	160900	20.473	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	152296	20.237	ug/l	99
89) n-Butylbenzene	13.61	91	253894	19.670	ug/l	100
90) Hexachloroethane	13.87	117	55006	20.132	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	164043	20.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15948	19.730	ug/l	98

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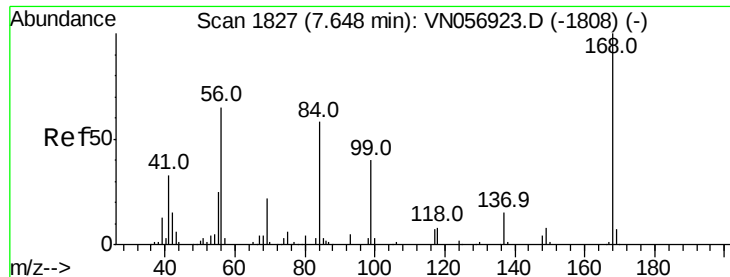
Manual Integrations
APPROVED

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7/26/2019 3:37:54 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	60329	17.507	ug/l	99
94) Hexachlorobutadiene	15.00	225	61587	20.825	ug/l	99
95) Naphthalene	15.12	128	148964	17.362	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	69664	18.199	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:168 Resp: 448181

Ion Ratio Lower Upper

168 100

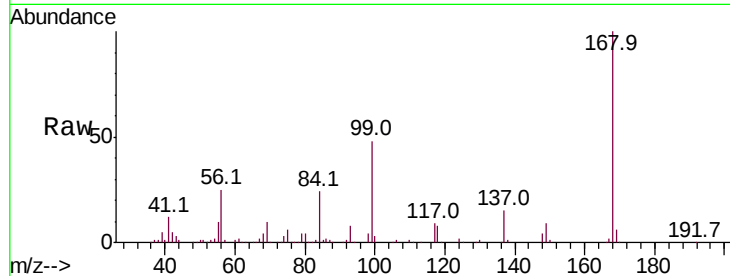
99 48.1 38.6 58.0

Manual Integrations

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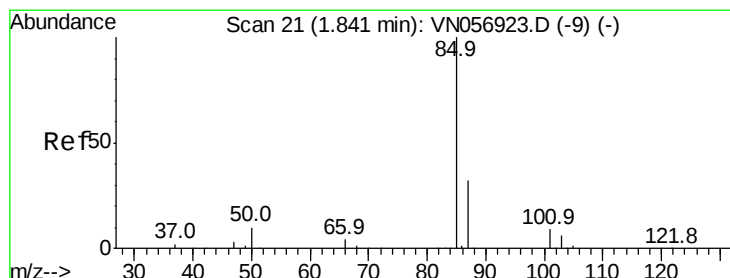
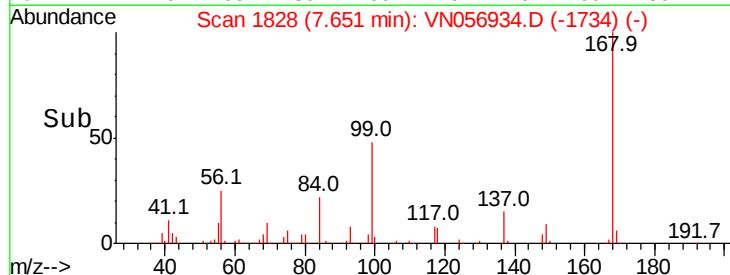
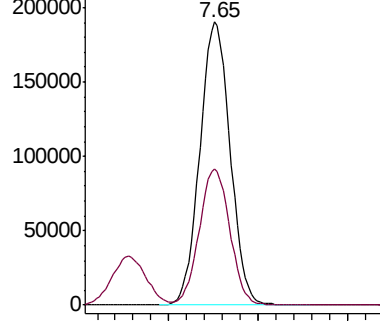
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.440 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056934.D

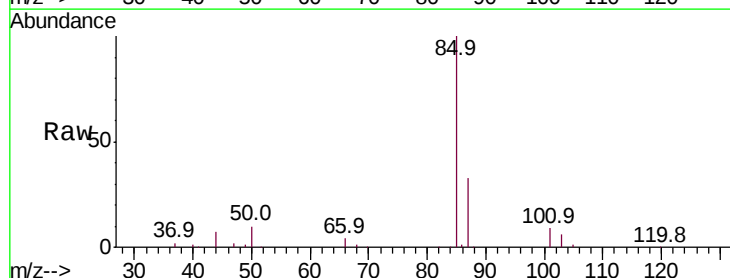
Acq: 25 Jul 2019 21:14

Tgt Ion: 85 Resp: 106929

Ion Ratio Lower Upper

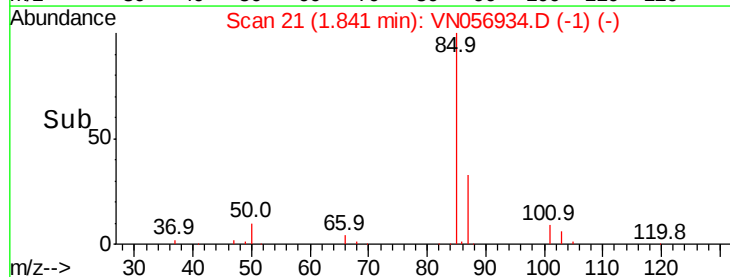
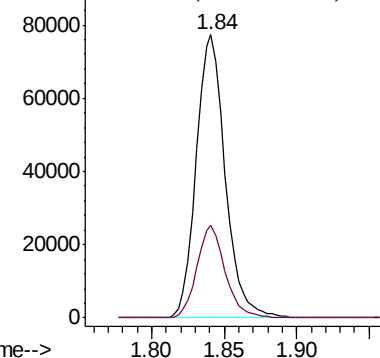
85 100

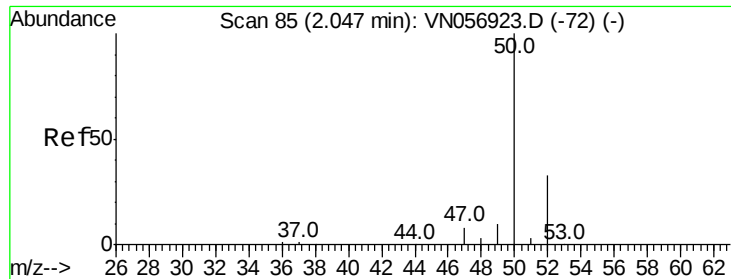
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.729 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 50 Resp: 119736

Ion Ratio Lower Upper

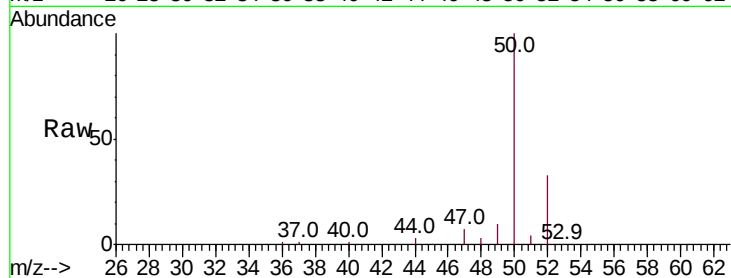
50 100

52 32.7 26.8 40.2

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.05

80000

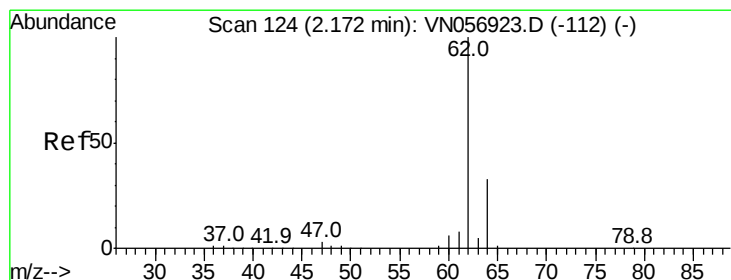
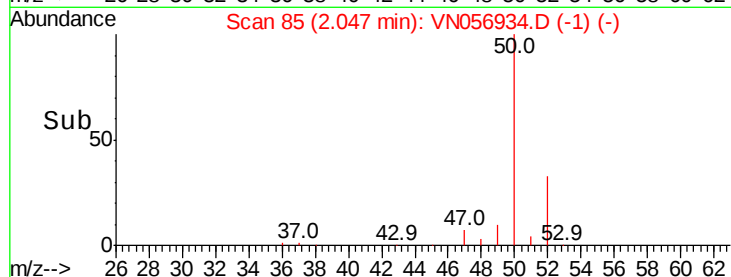
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.548 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN056934.D

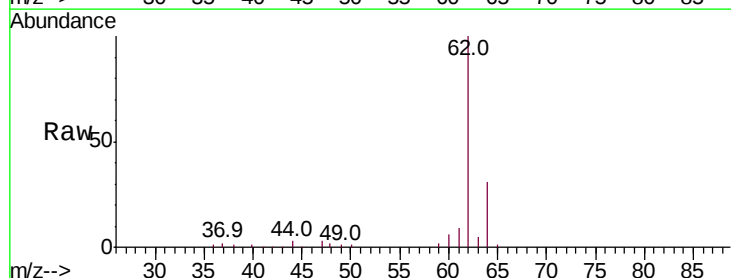
Acq: 25 Jul 2019 21:14

Tgt Ion: 62 Resp: 111763

Ion Ratio Lower Upper

62 100

64 31.4 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

80000

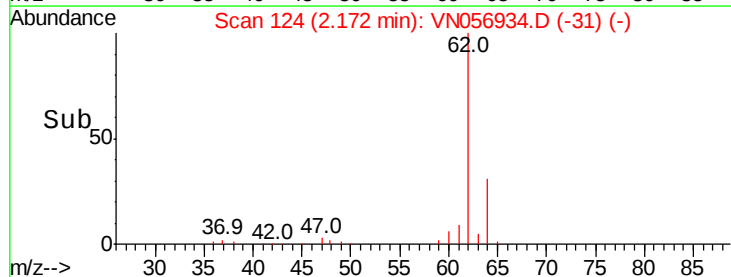
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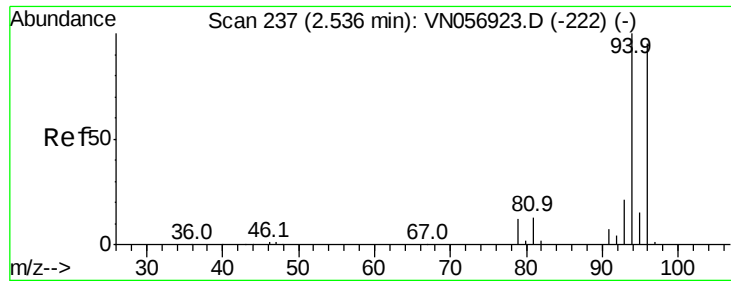
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20000

0

Time-->





#5

Bromomethane

Concen: 20.973 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 94 Resp: 68999

Ion Ratio Lower Upper

94 100

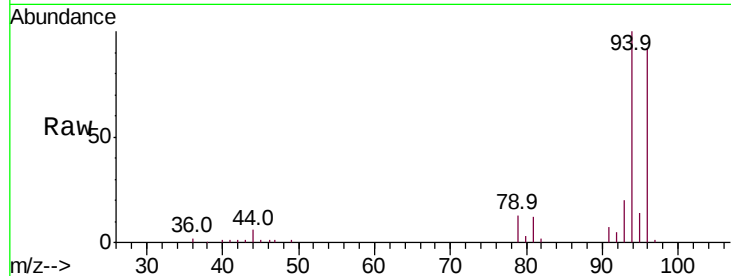
96 92.0 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

30000

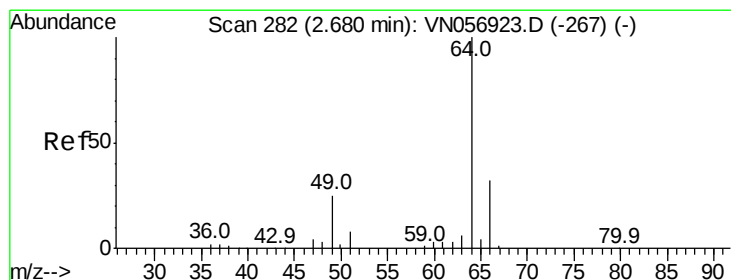
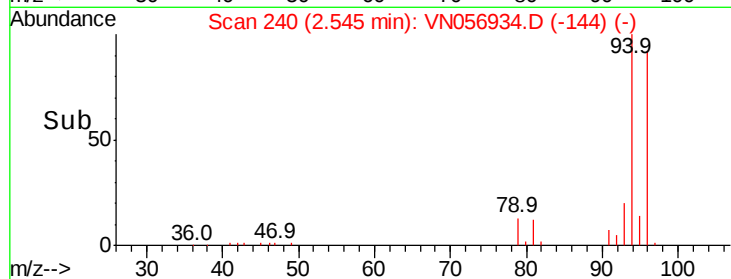
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.360 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056934.D

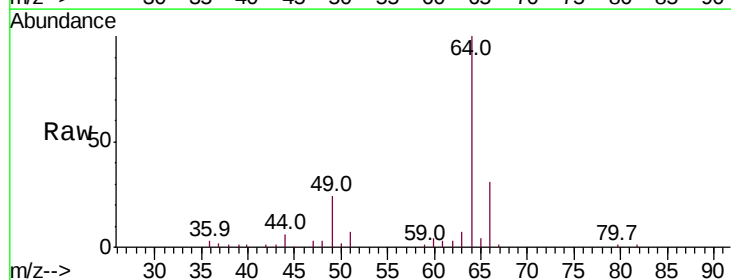
Acq: 25 Jul 2019 21:14

Tgt Ion: 64 Resp: 61469

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

30000

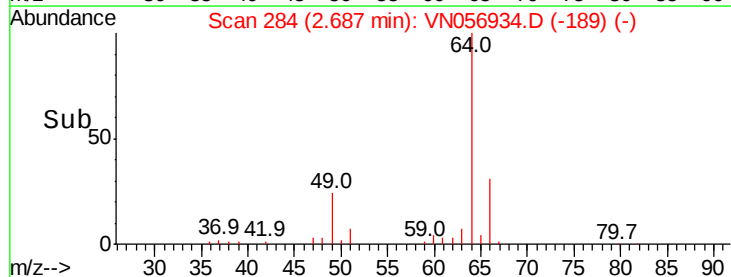
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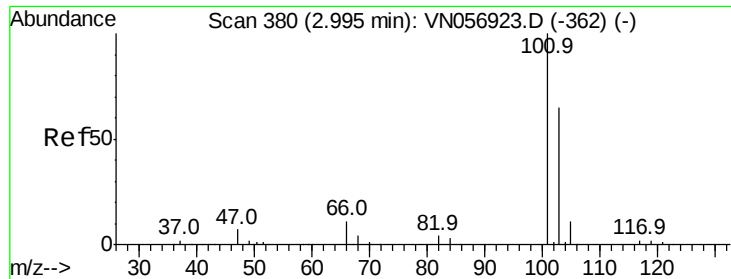
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

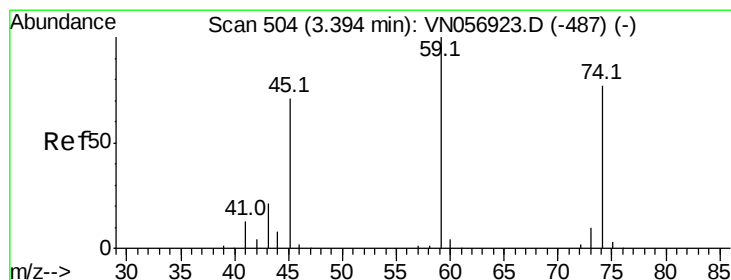
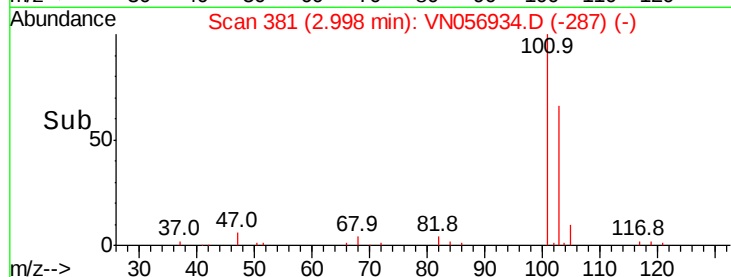
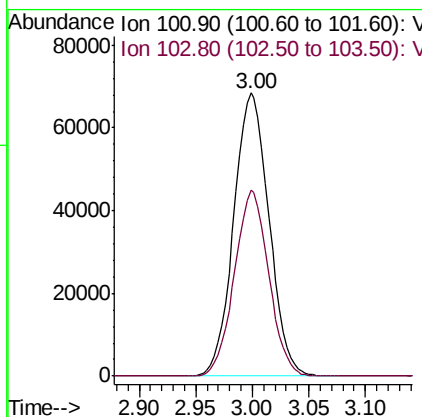
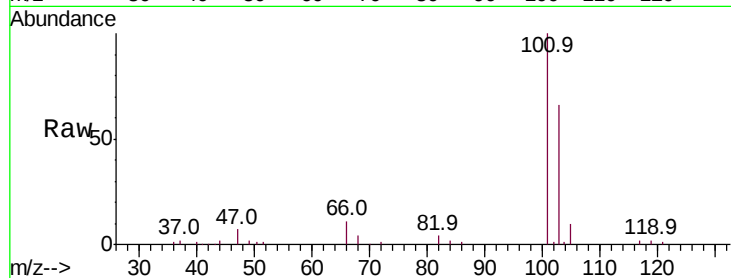
Trichlorofluoromethane
 Concen: 20.980 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
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 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.0	78.0

Manual Integrations
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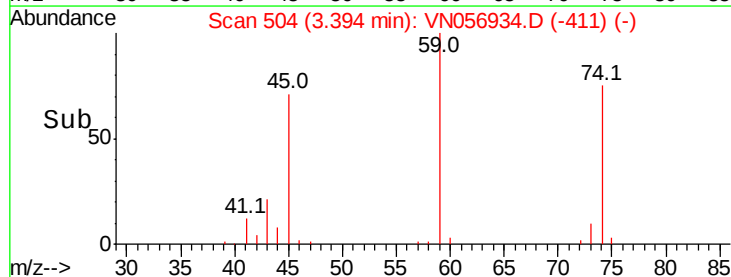
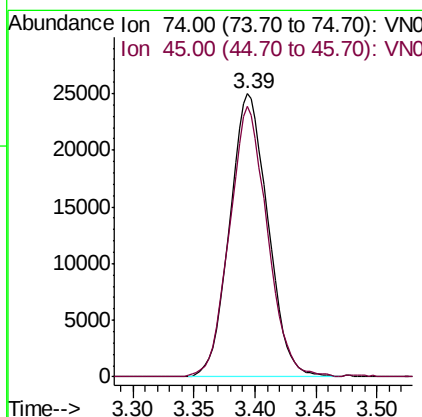
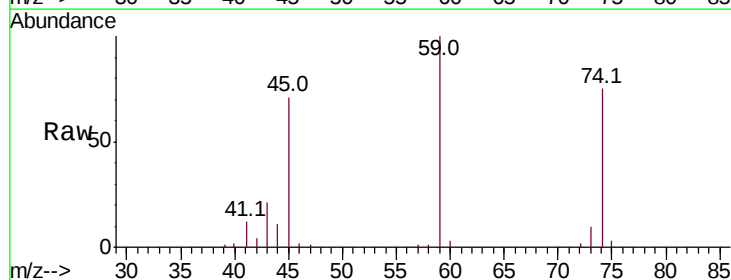
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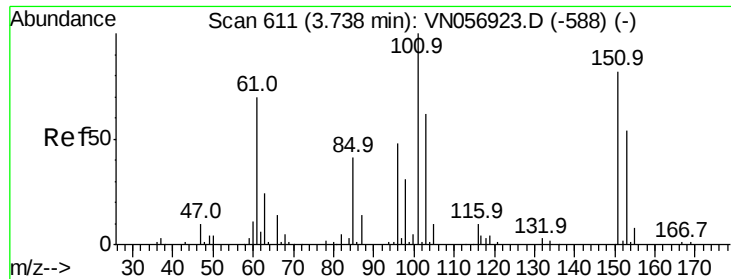


#8

Diethyl Ether
 Concen: 20.414 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.688 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

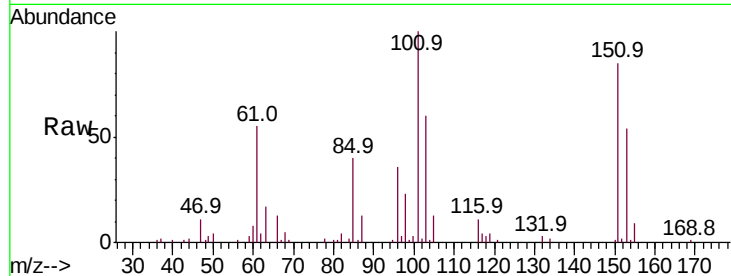
ClientSampleId :

VN0726WBS01

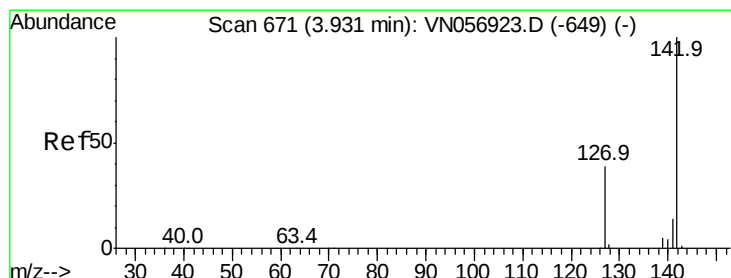
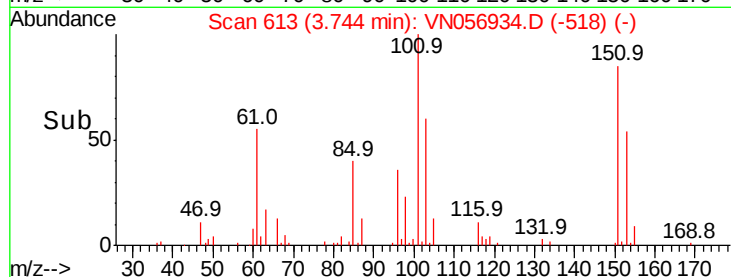
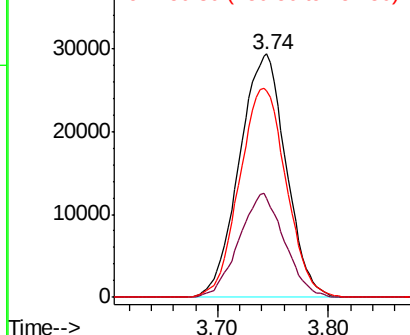
Tot Ion:	101	Resp:	85757
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.7	49.1
151	86.3	67.4	101.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.880 ug/l

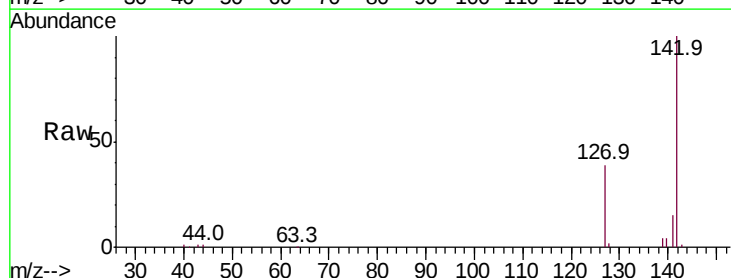
RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

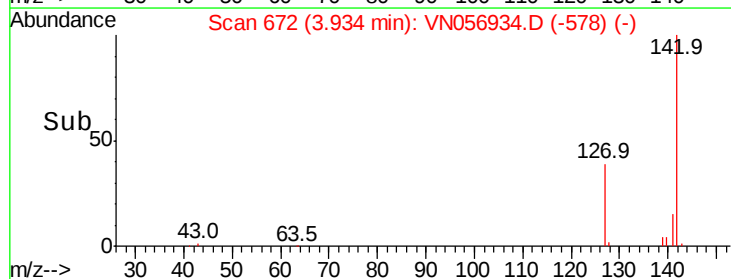
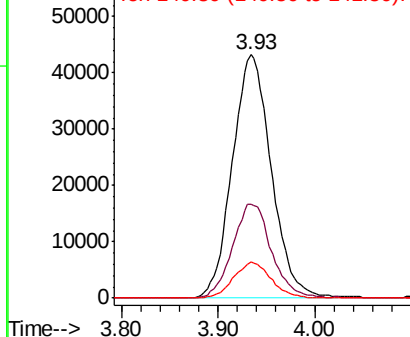
Lab File: VN056934.D

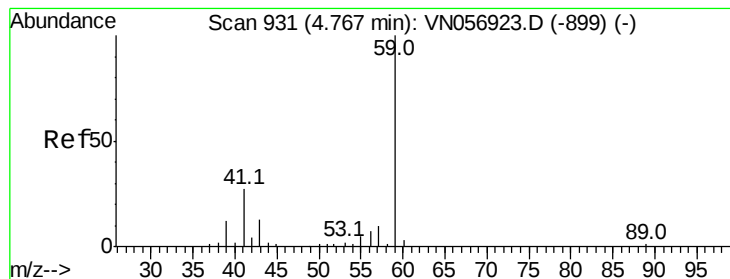
Acq: 25 Jul 2019 21:14

Tgt Ion:	142	Resp:	120835
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.5	45.7
141	14.1	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

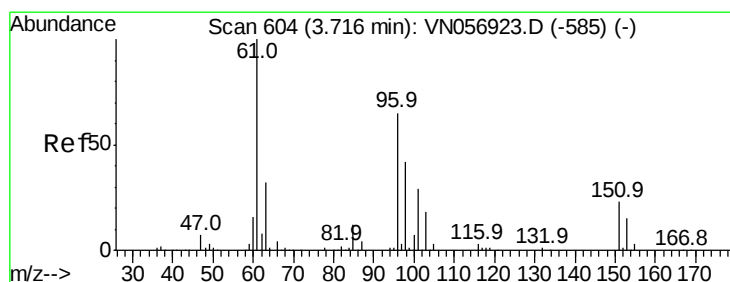
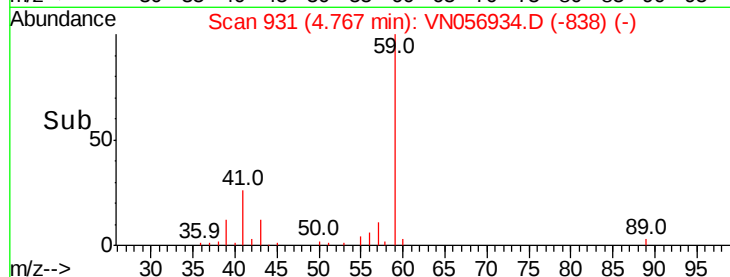
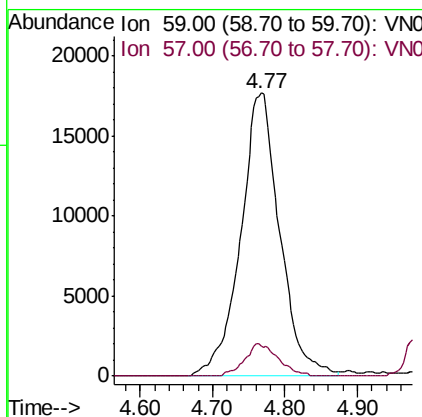
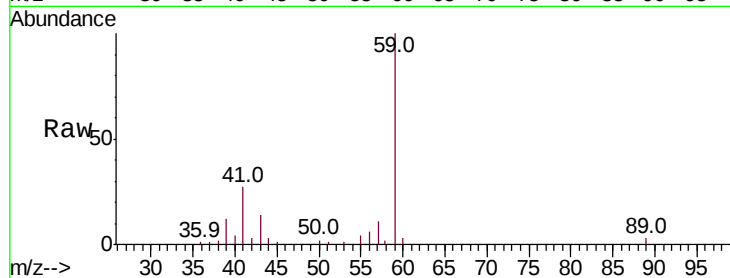
Tert butyl alcohol
 Concen: 99.251 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.6	11.4

Manual Integrations
 APPROVED

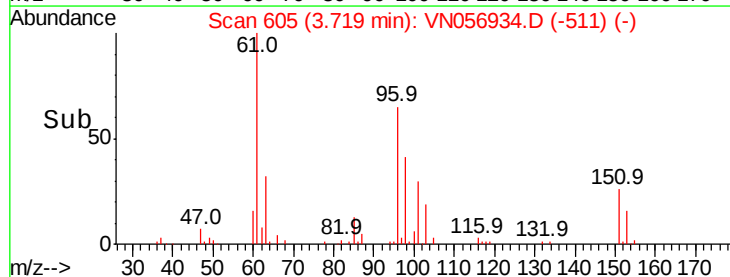
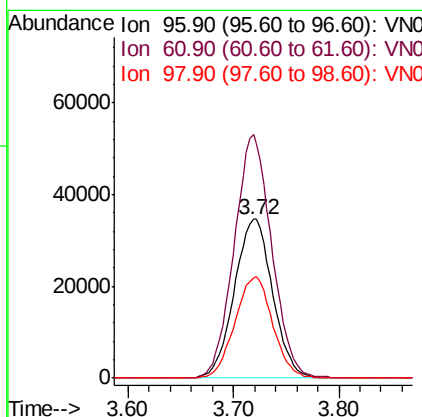
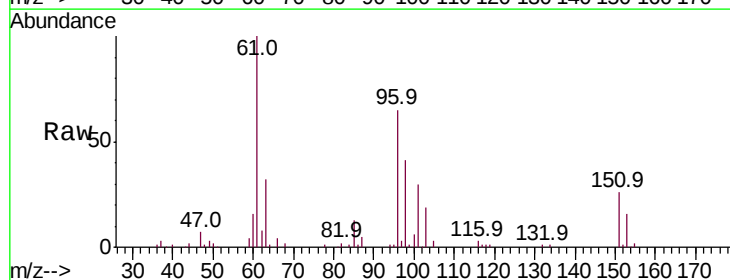
MMDadoda
 7/26/2019 3:37:54 PM

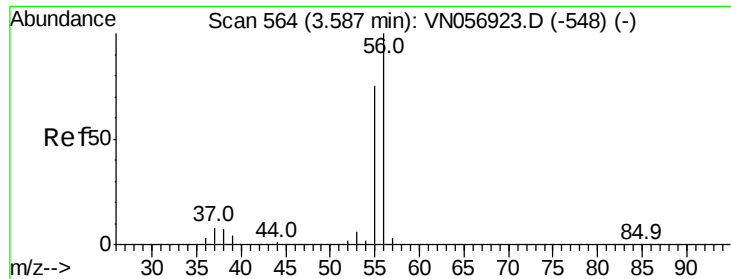


#12

1,1-Dichloroethene
 Concen: 20.748 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	122.4	183.6
98	63.3	51.3	76.9





#13

Acrolein

Concen: 90.460 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 56 Resp: 33916

Ion Ratio Lower Upper

56 100

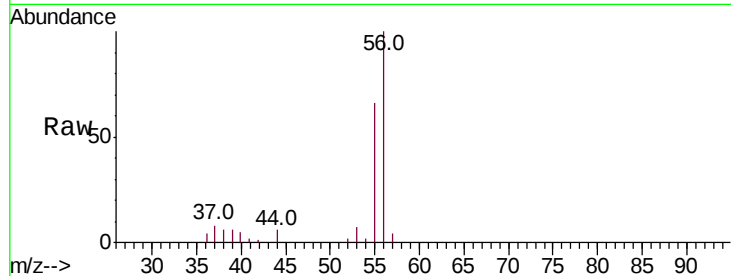
55 69.8 57.5 86.3

Manual Integrations

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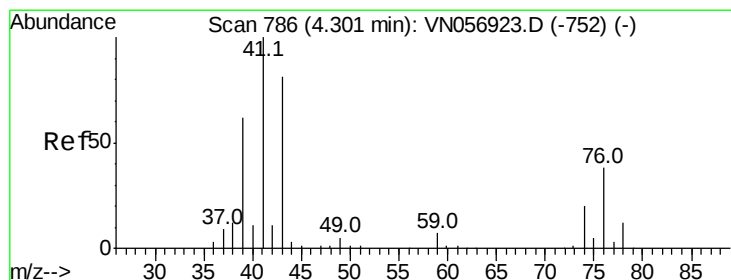
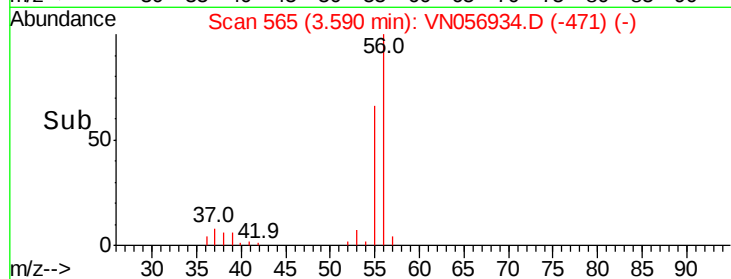
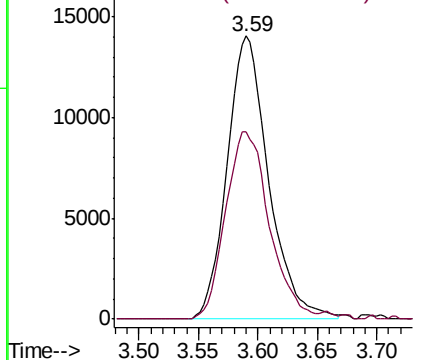
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.518 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

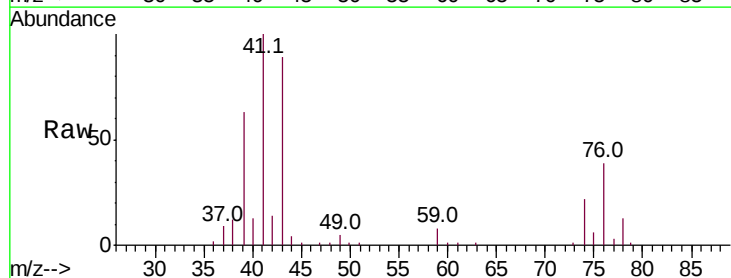
Tgt Ion: 41 Resp: 133192

Ion Ratio Lower Upper

41 100

39 58.2 47.5 71.3

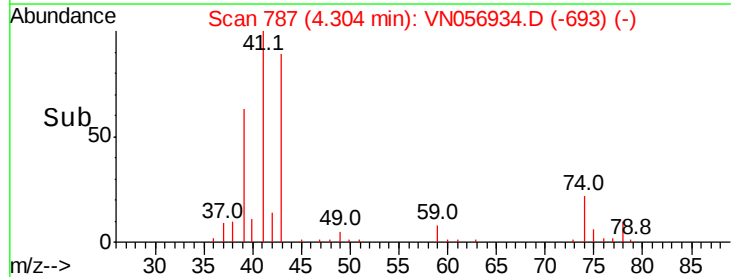
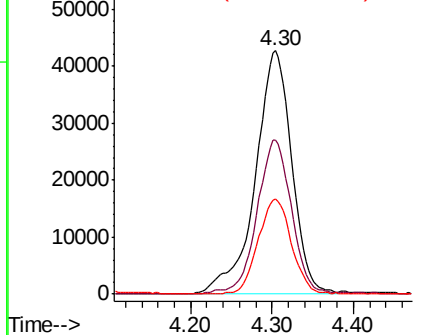
76 35.6 28.0 42.0

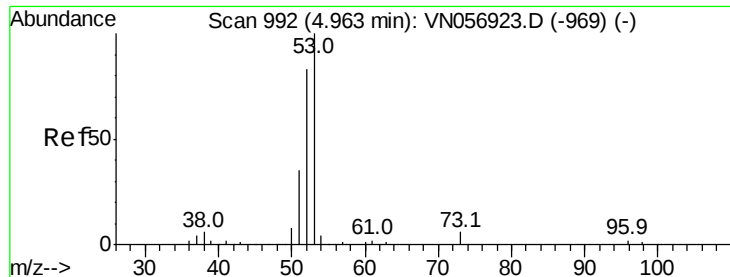


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





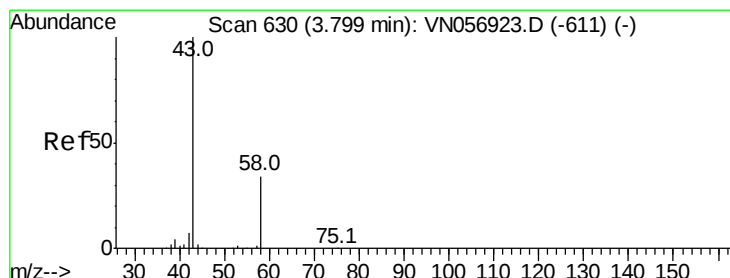
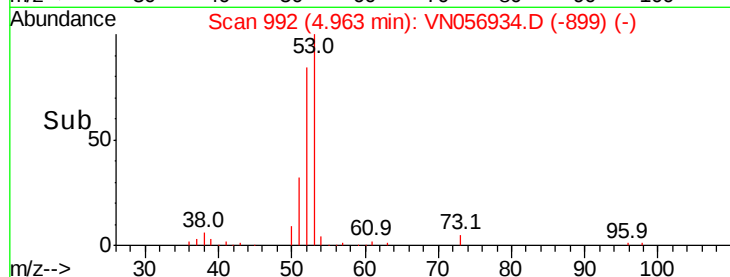
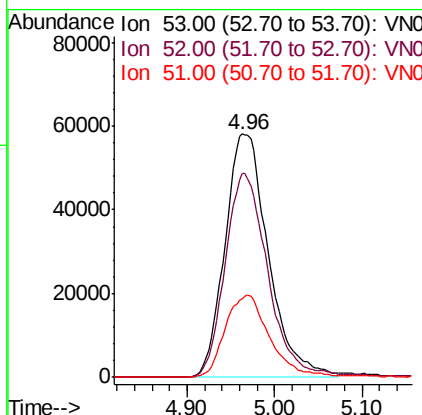
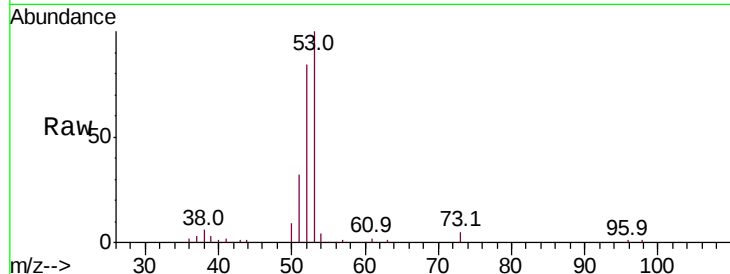
#15
 Acrylonitrile
 Concen: 103.925 ug/l
 RT: 4.96 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.5	98.3
51	34.7	28.1	42.1

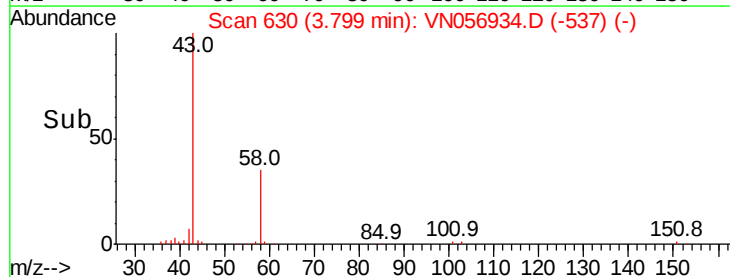
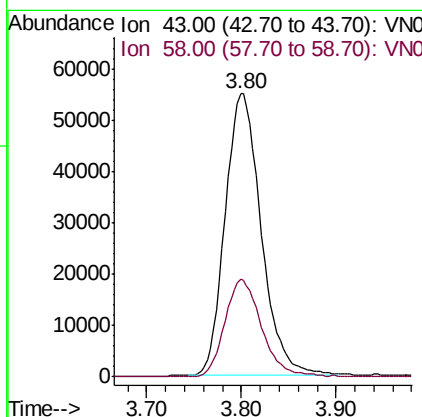
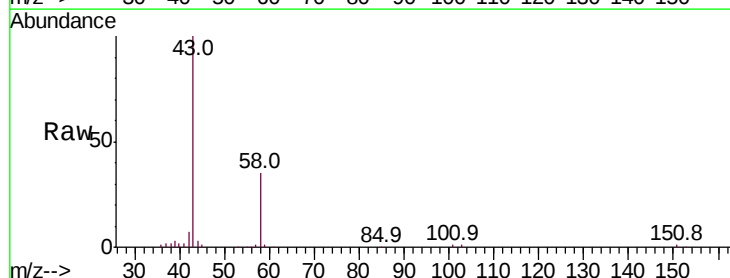
Manual Integrations
 APPROVED

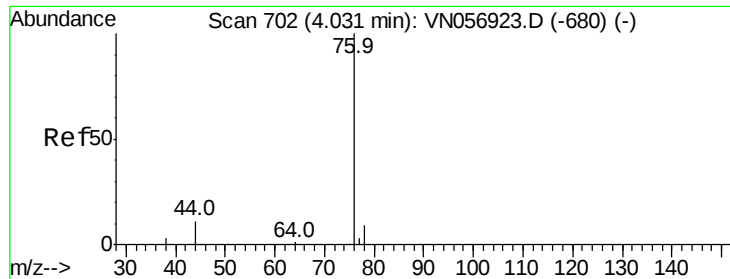
MMDadoda
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#16
 Acetone
 Concen: 91.928 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.3	40.9





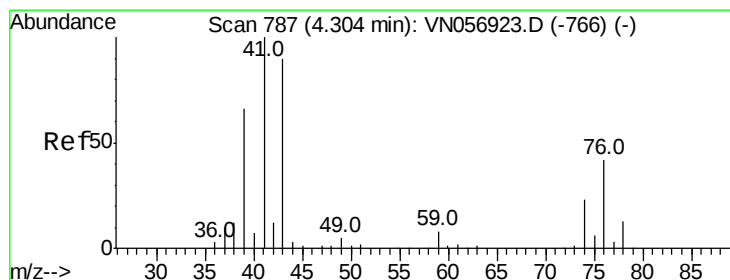
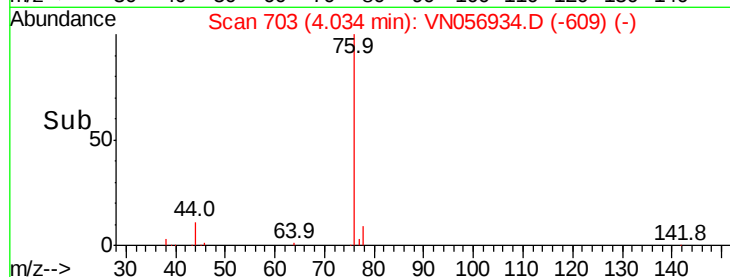
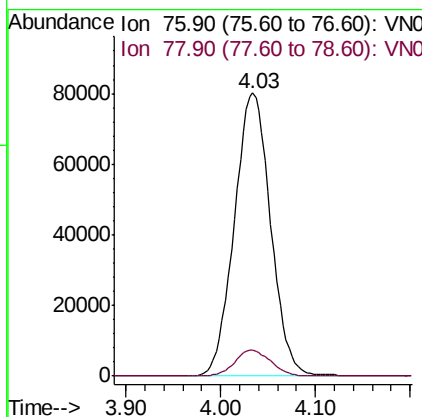
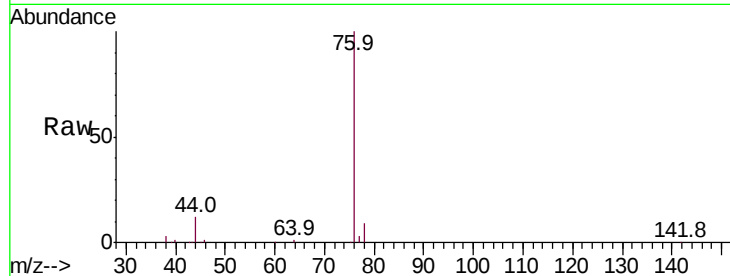
#17
Carbon Disulfide
Concen: 18.825 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

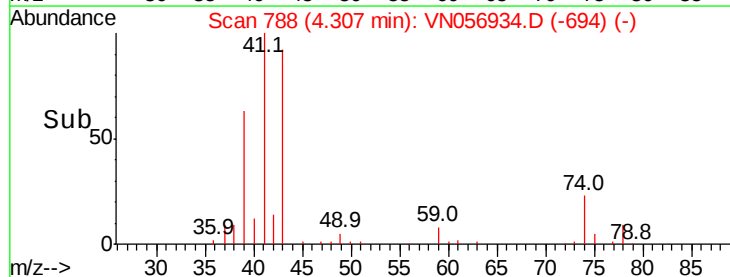
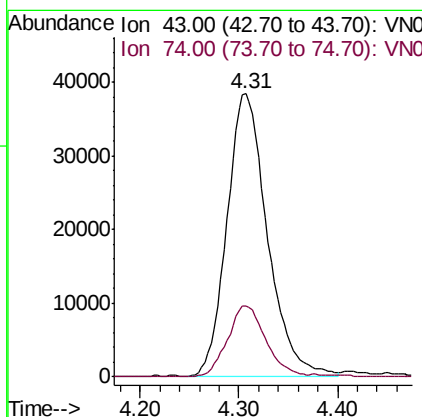
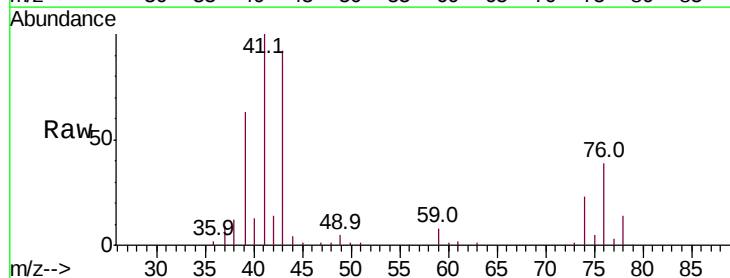
Manual Integrations
APPROVED

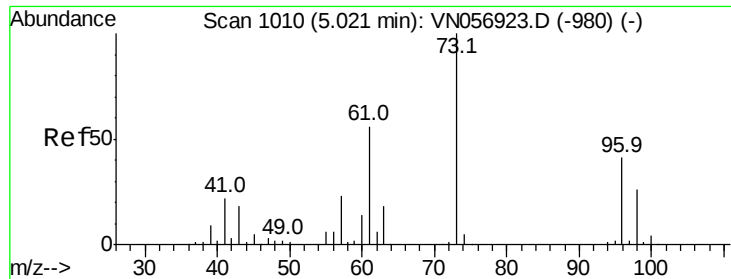
MMDadoda
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#18
Methyl Acetate
Concen: 19.870 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.0





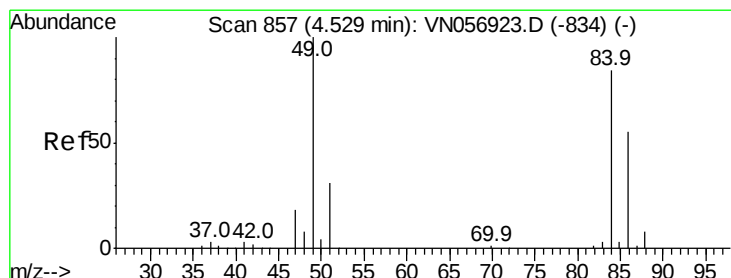
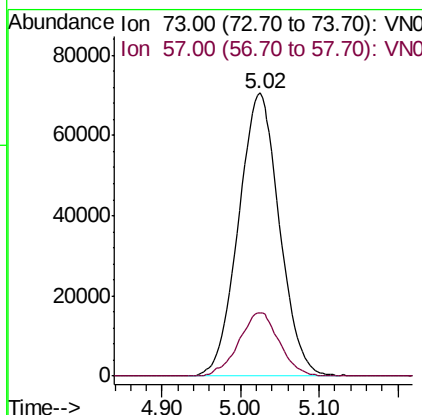
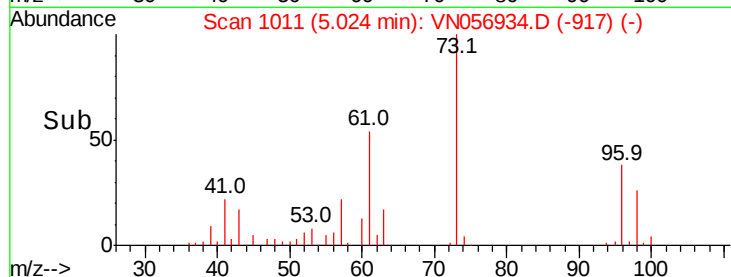
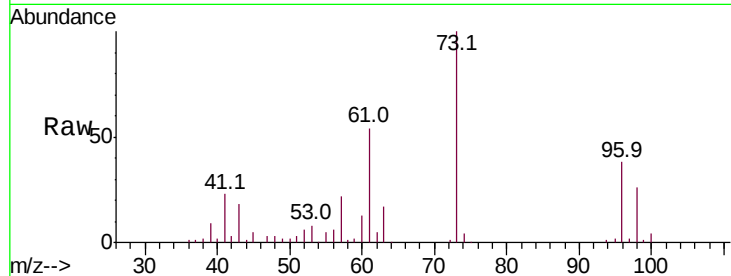
#19
Methyl tert-butyl Ether
Concen: 20.856 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion: 73 Resp: 257934
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

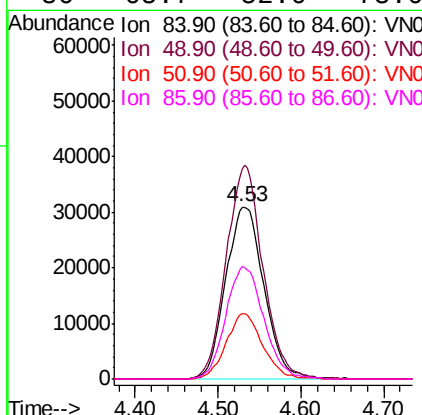
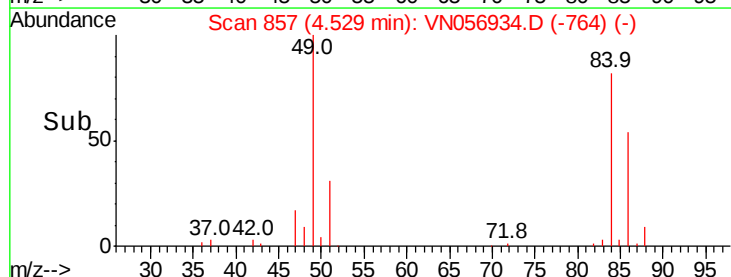
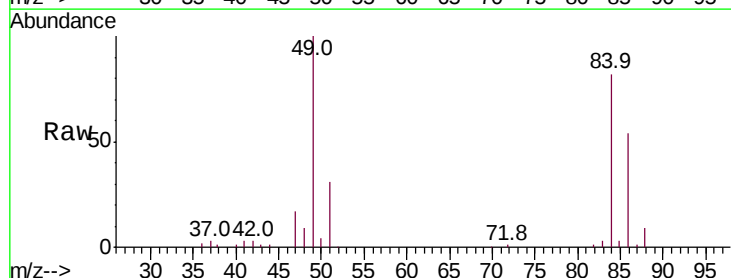
Manual Integrations
APPROVED

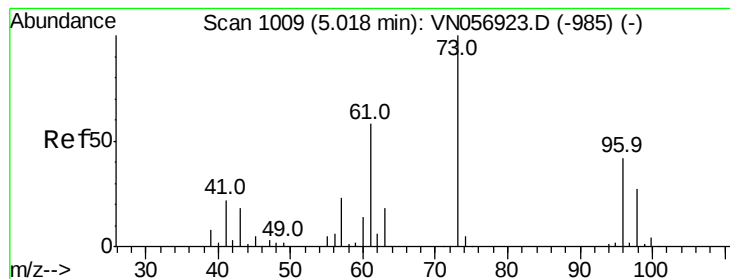
MMDadoda
7/26/2019 3:37:54 PM



#20
Methylene Chloride
Concen: 19.853 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion: 84 Resp: 99567
Ion Ratio Lower Upper
84 100
49 122.1 95.0 142.6
51 37.9 29.8 44.8
86 65.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.283 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampled :

VN0726WBS01

Tot Ion: 96 Resp: 91289

Ion Ratio Lower Upper

96 100

61 132.5 109.9 164.9

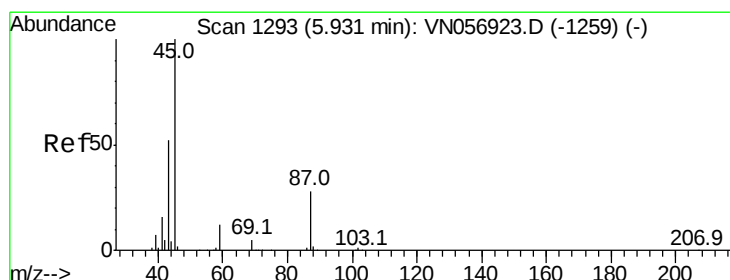
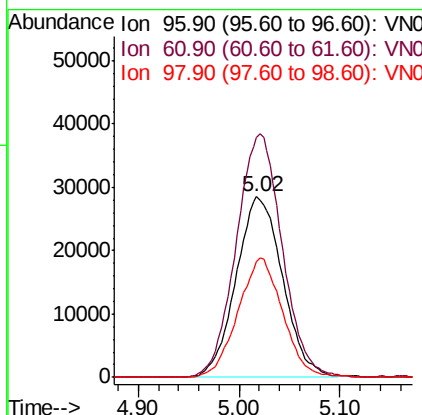
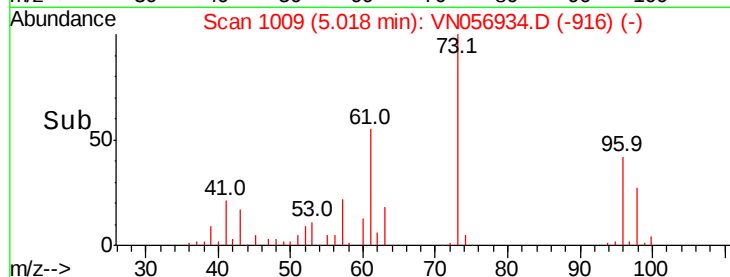
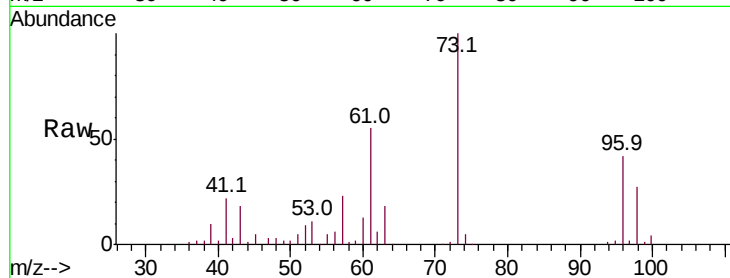
98 63.9 51.0 76.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.079 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion: 45 Resp: 292945

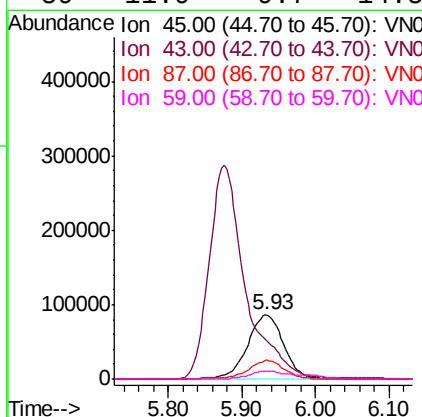
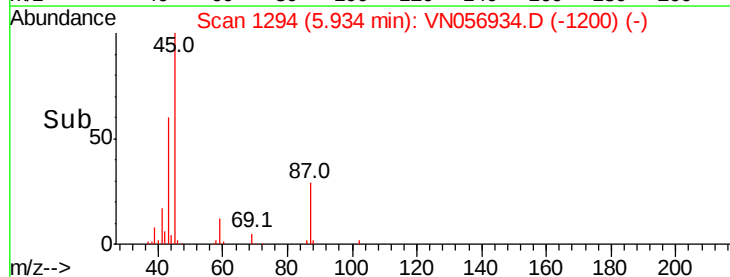
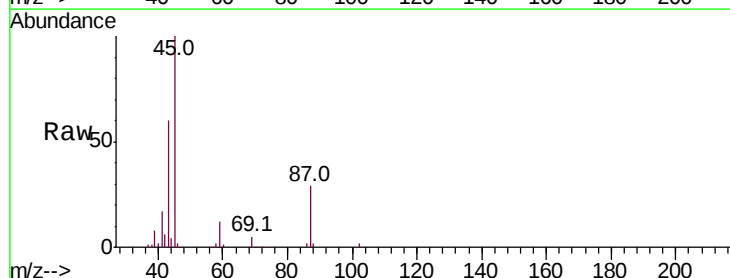
Ion Ratio Lower Upper

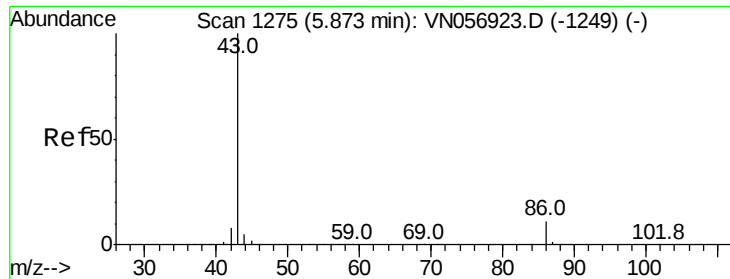
45 100

43 58.3 44.7 67.1

87 28.8 23.1 34.7

59 11.9 9.7 14.5





#23

Vinyl Acetate

Concen: 102.851 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 43 Resp: 984623

Ion Ratio Lower Upper

43 100

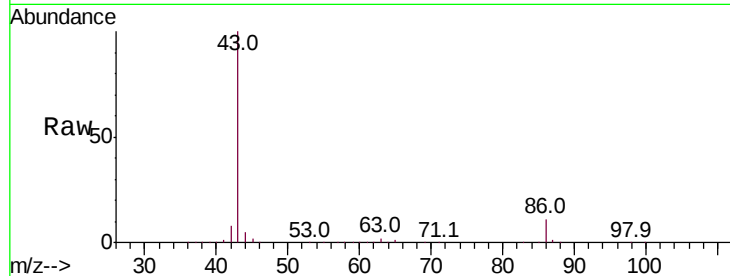
86 10.9 8.6 13.0

Manual Integrations

APPROVED

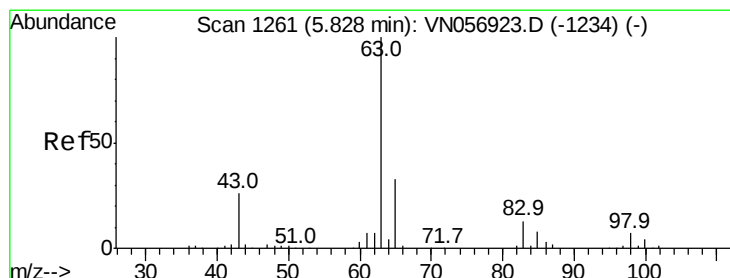
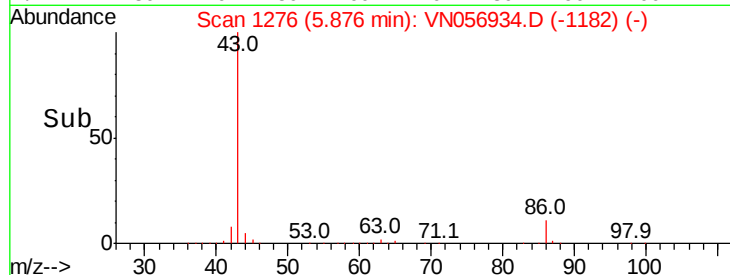
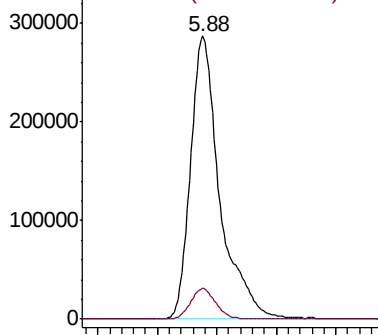
MMDadoda

7/26/2019 3:37:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.464 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

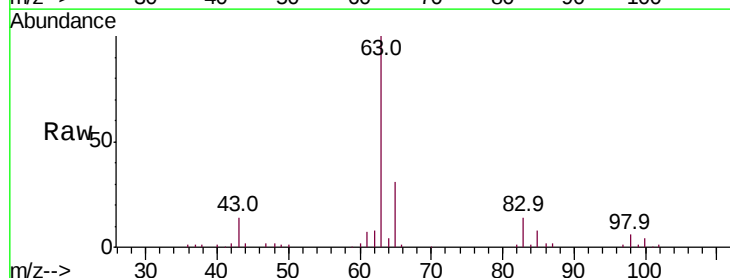
Tgt Ion: 63 Resp: 167091

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

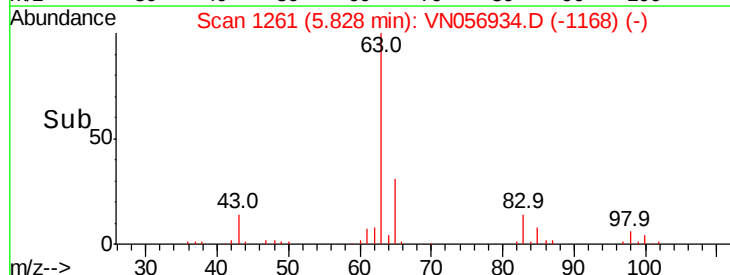
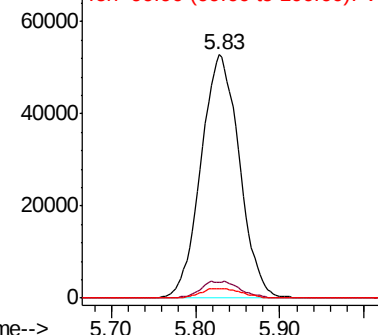
100 4.0 2.1 6.3

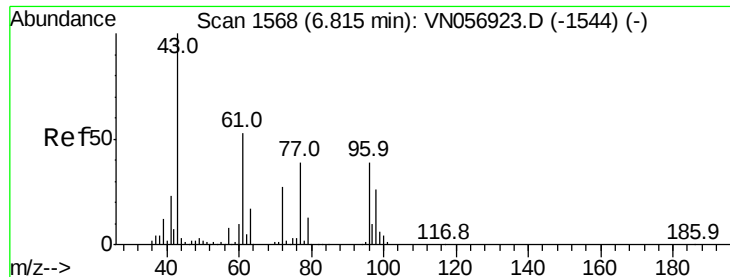


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.391 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 43 Resp: 237420

Ion Ratio Lower Upper

43 100

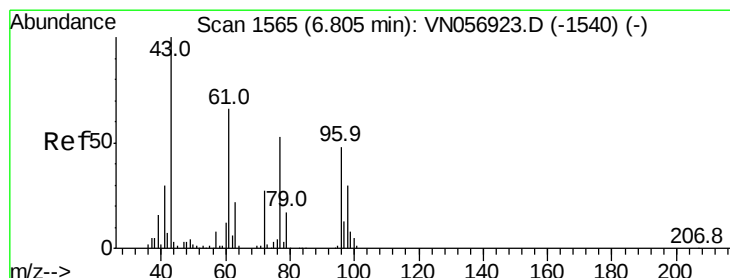
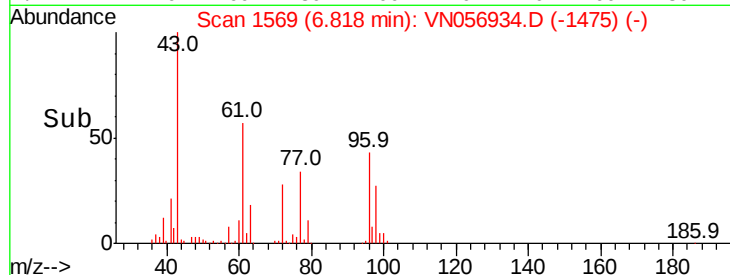
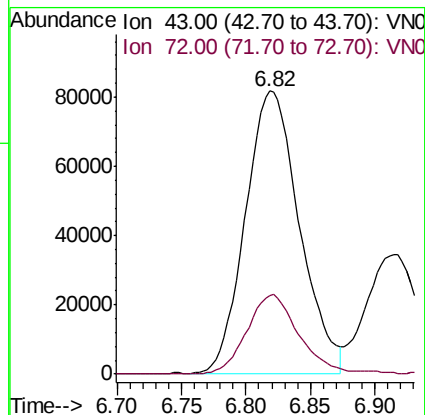
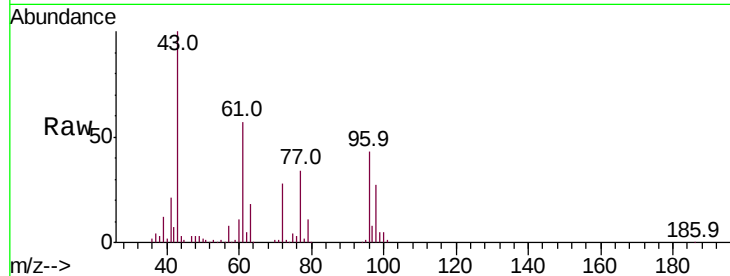
72 28.0 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.246 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056934.D

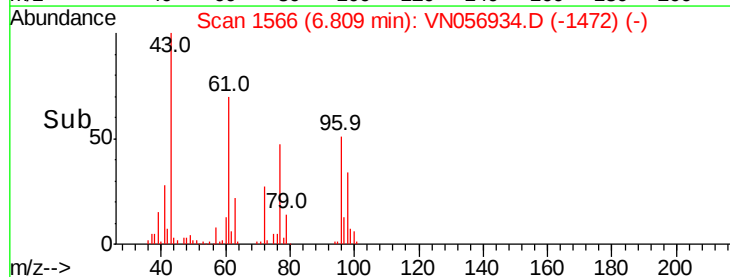
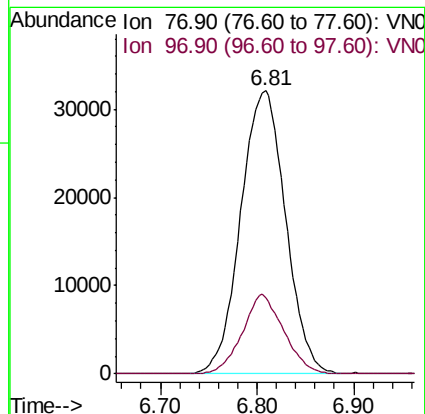
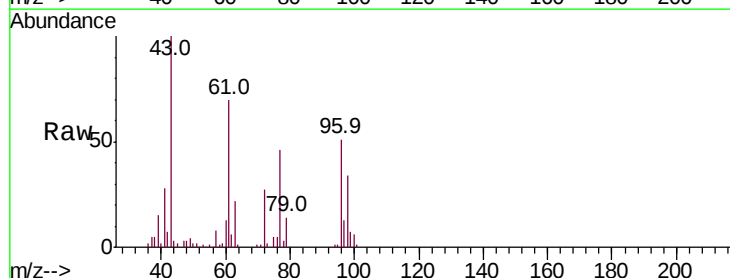
Acq: 25 Jul 2019 21:14

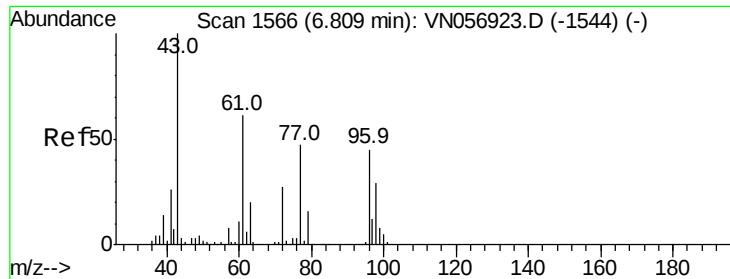
Tgt Ion: 77 Resp: 103340

Ion Ratio Lower Upper

77 100

97 25.8 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 20.515 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

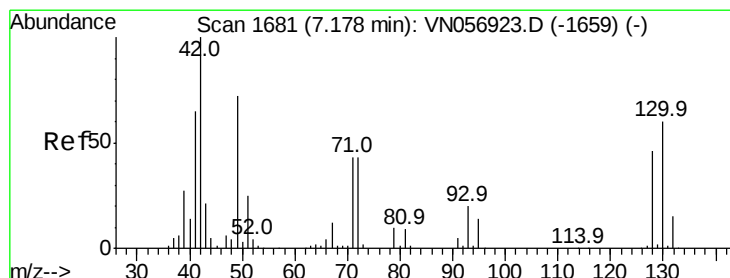
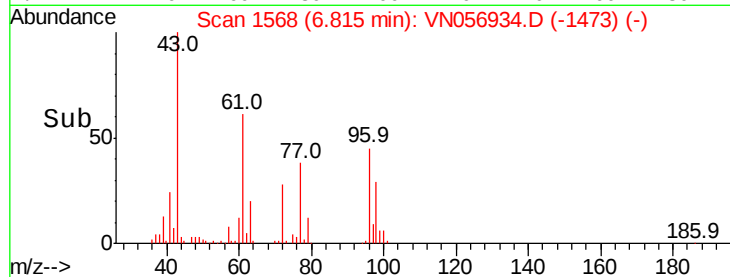
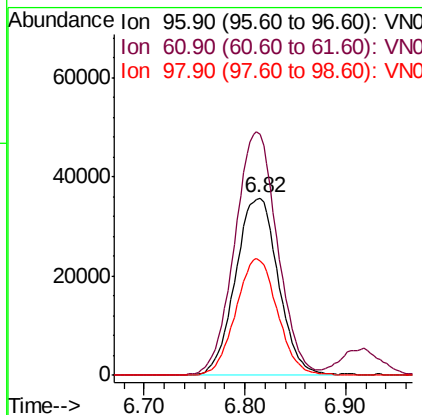
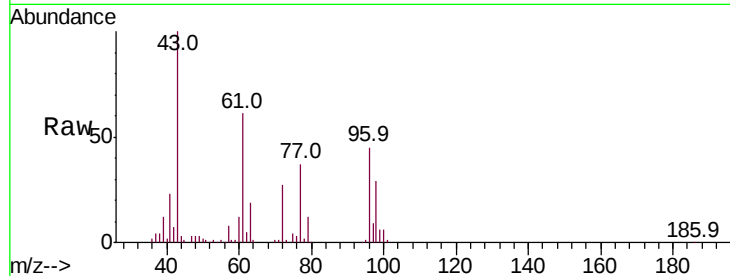
ClientSampleId :

VN0726WBS01

Tot Ion:	96	Resp:	105364
Ion Ratio	Lower	Upper	
96	100		
61	137.1	0.0	278.8
98	64.2	0.0	130.0

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#28

Bromochloromethane

Concen: 22.449 ug/l

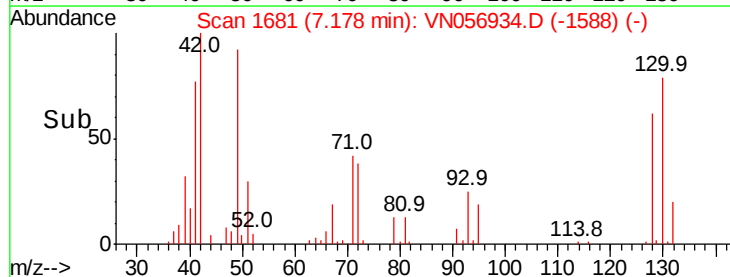
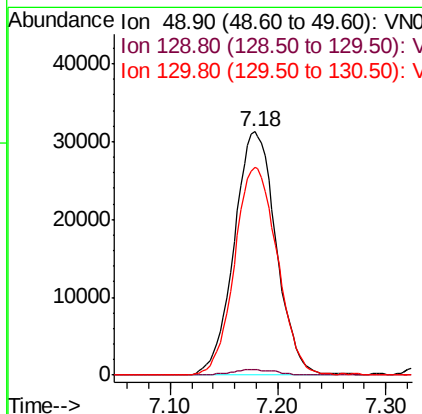
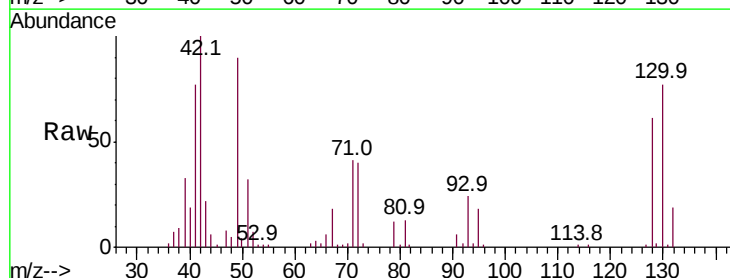
RT: 7.18 min Scan# 1681

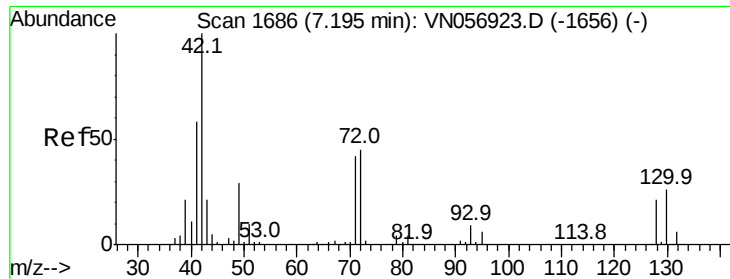
Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion:	49	Resp:	84590
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	87.1	67.3	100.9





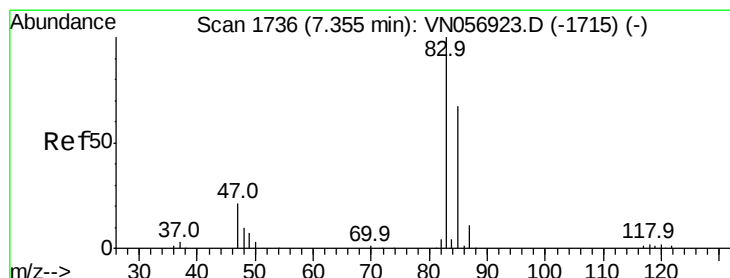
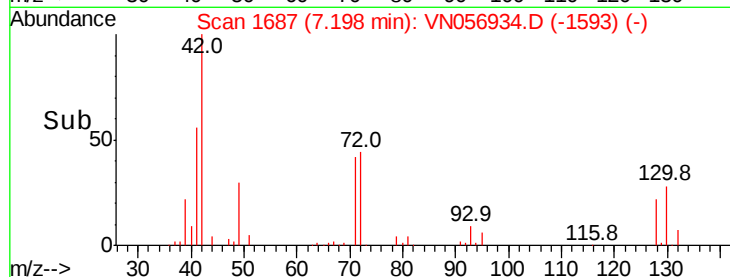
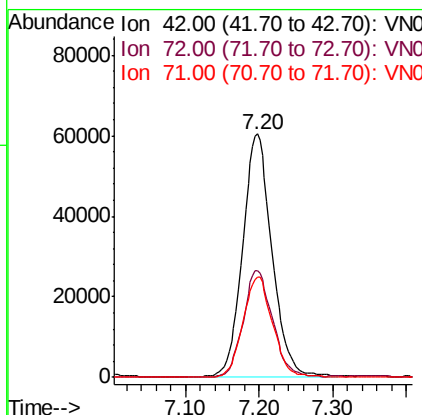
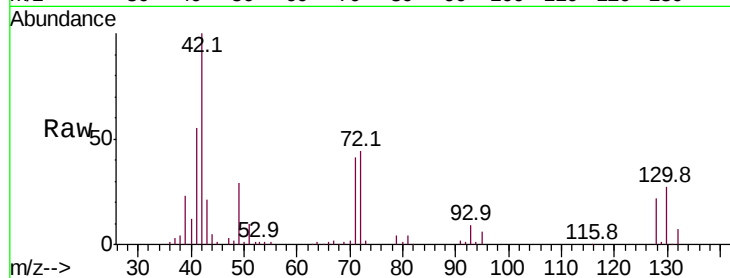
#29
Tetrahydrofuran
Concen: 105.508 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.5	53.3
71	41.2	33.0	49.6

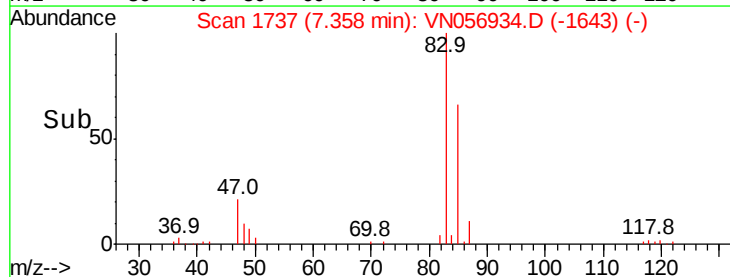
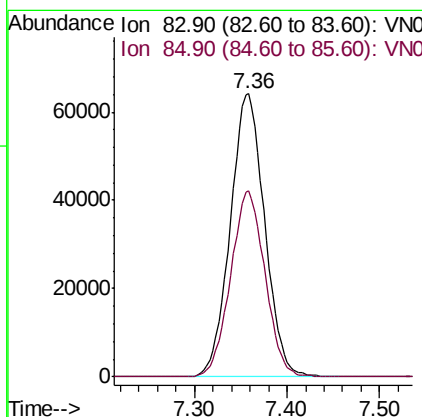
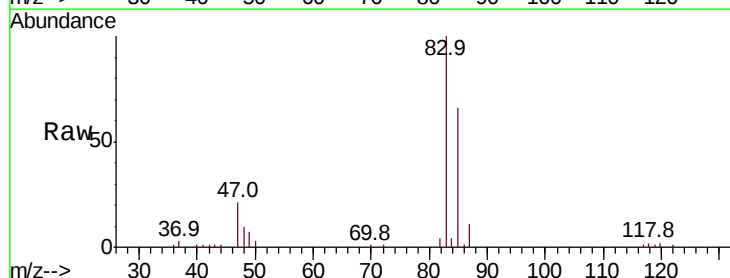
Manual Integrations
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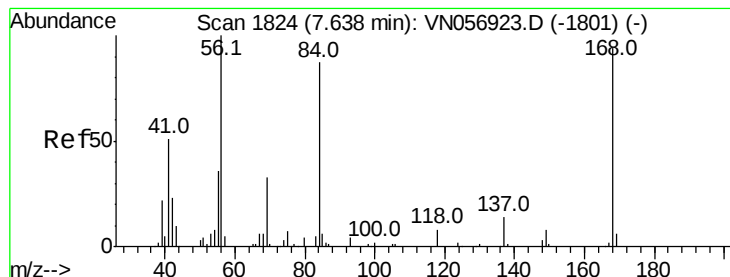
MMDadoda
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#30
Chloroform
Concen: 19.620 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.5	80.3





#31

Cyclohexane

Concen: 19.858 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 56 Resp: 157784

Ion Ratio Lower Upper

56 100

69 37.9 26.3 39.5

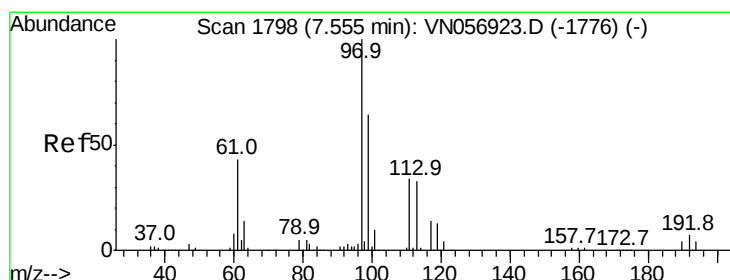
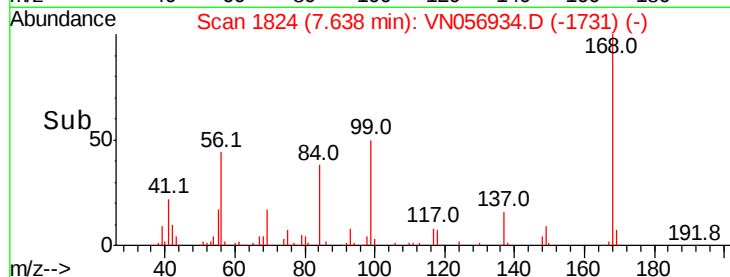
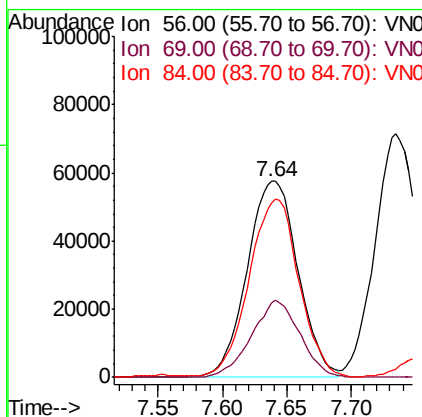
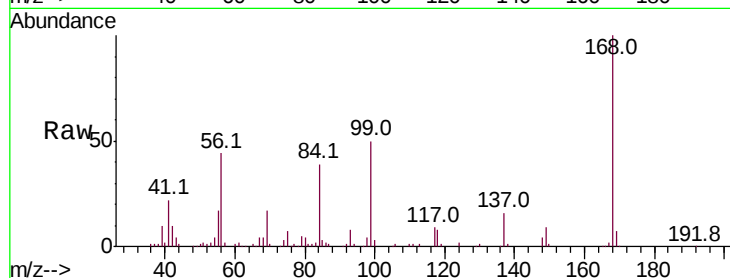
84 88.3 69.6 104.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.114 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

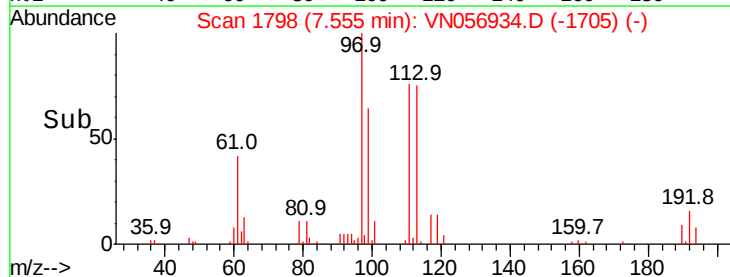
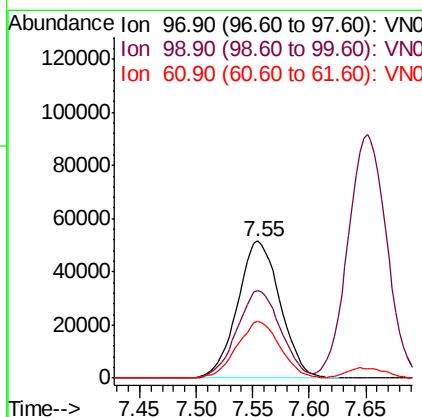
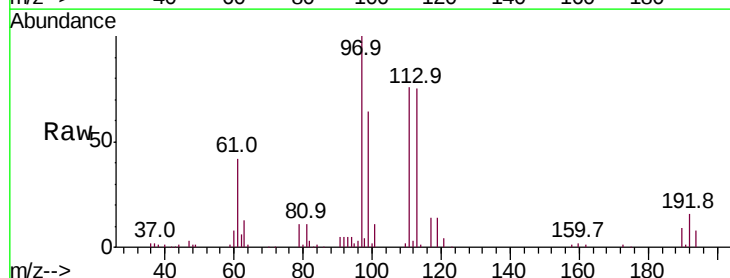
Tgt Ion: 97 Resp: 135456

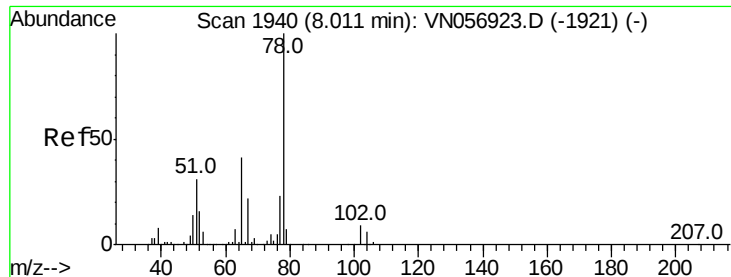
Ion Ratio Lower Upper

97 100

99 65.3 51.6 77.4

61 41.7 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 53.936 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 65 Resp: 250140

Ion Ratio Lower Upper

65 100

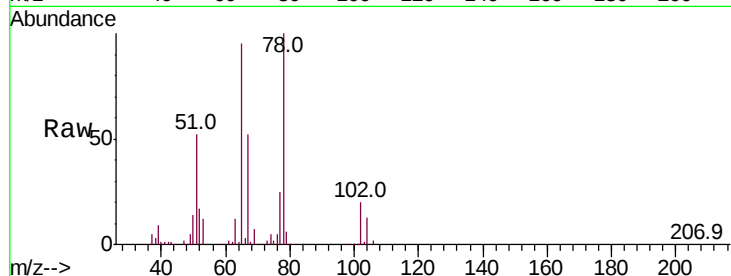
67 55.2 0.0 109.2

Manual Integrations

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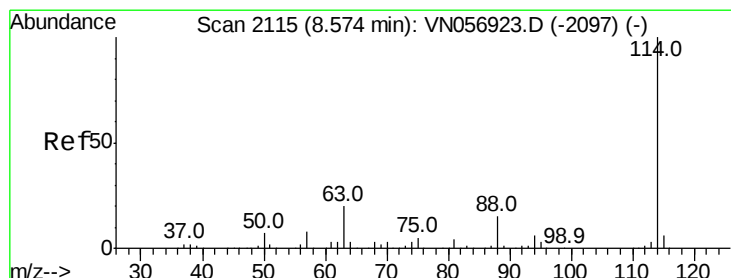
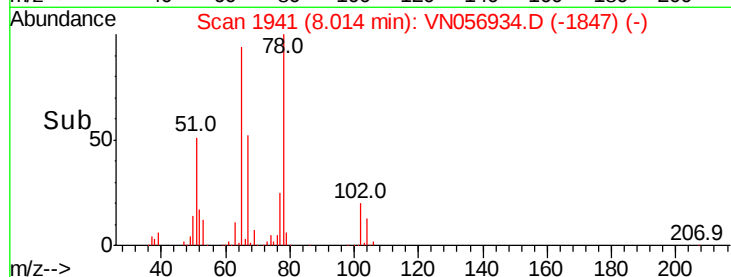
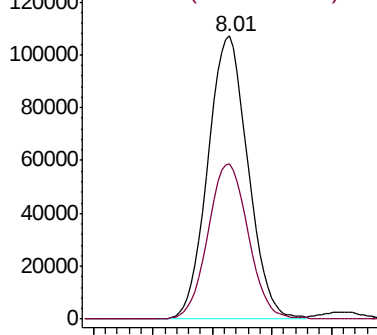
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

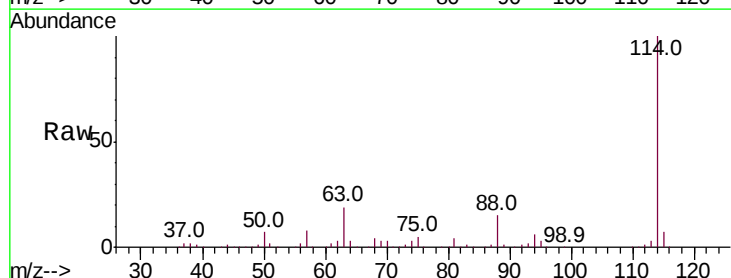
Tgt Ion: 114 Resp: 667262

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.4

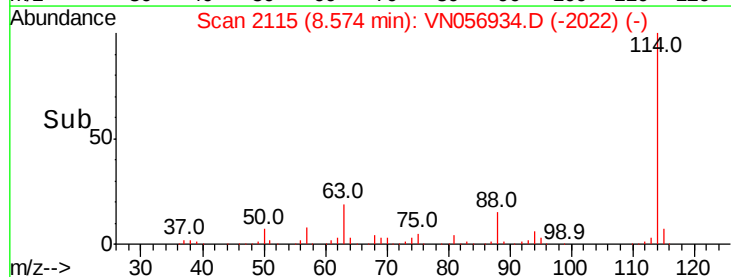
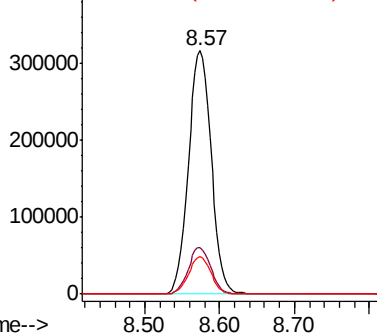
88 15.3 0.0 30.4

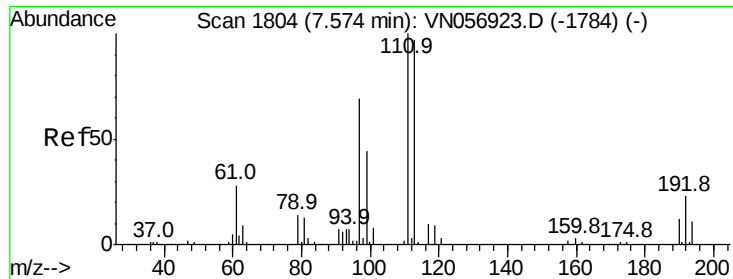


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





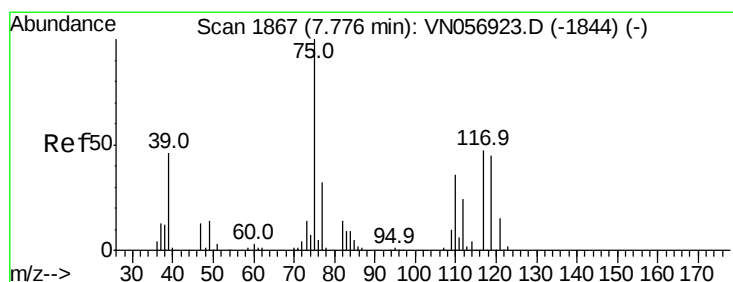
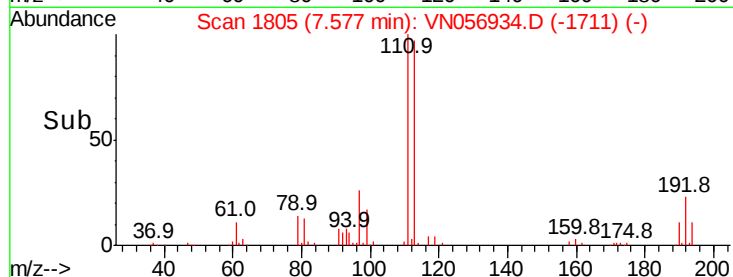
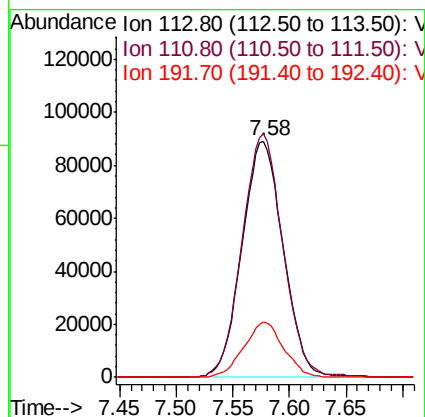
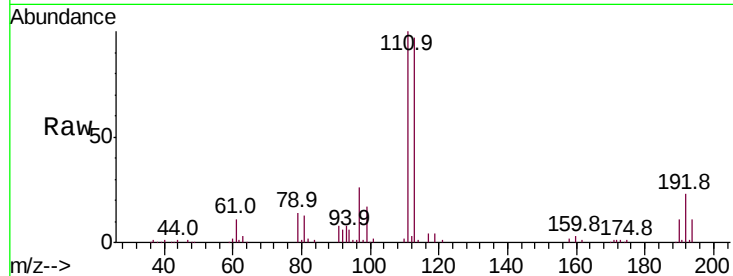
#35
 Dibromofluoromethane
 Concen: 52.952 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	22.7	18.3	27.5

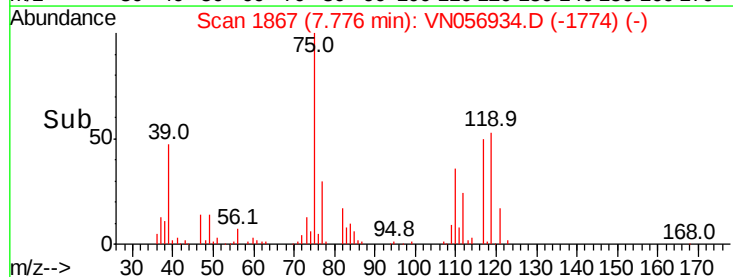
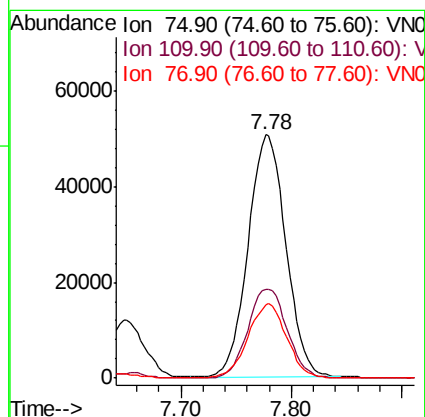
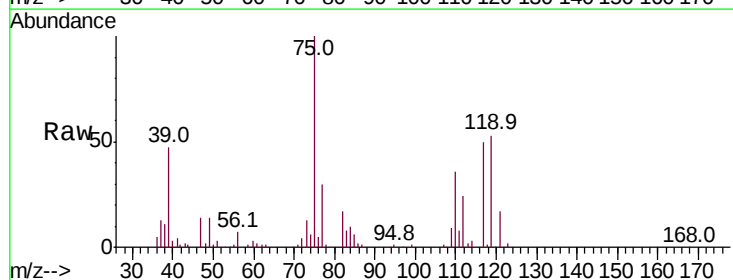
Manual Integrations
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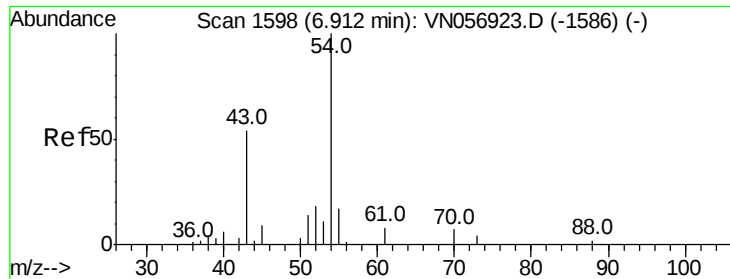
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 7/26/2019 3:37:54 PM



#36
 1,1-Dichloropropene
 Concen: 19.819 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	18.9	56.9
77	31.4	25.4	38.0





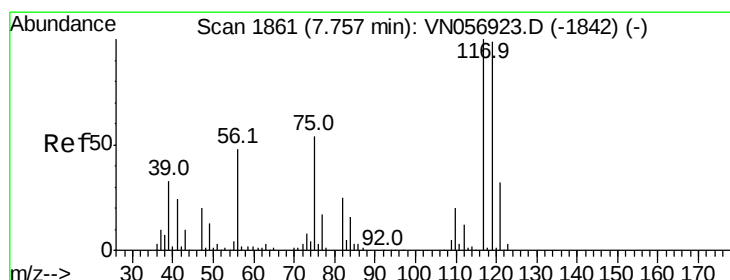
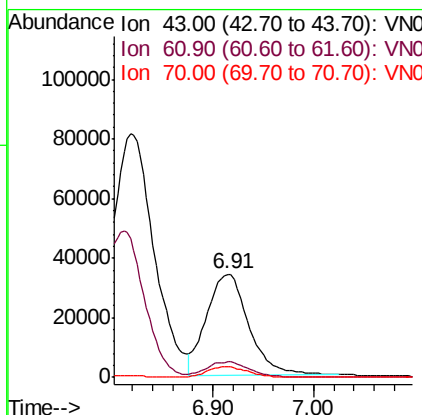
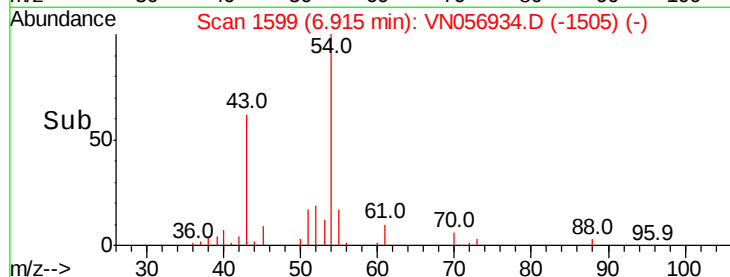
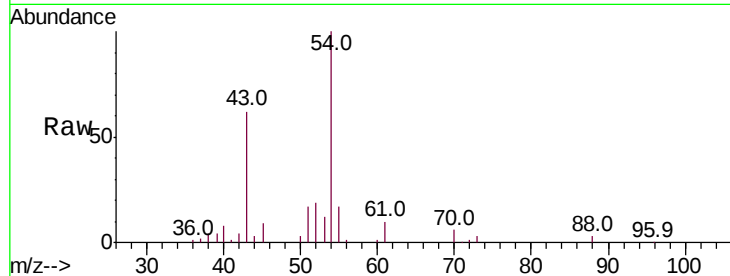
#37
Ethyl Acetate
Concen: 20.099 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.9	17.9
70	10.2	8.8	13.2

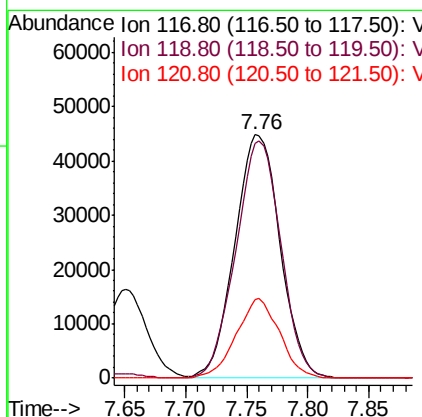
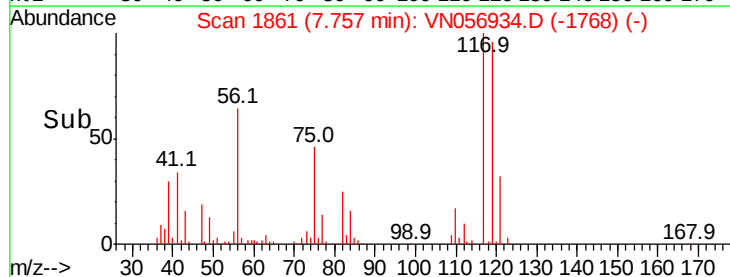
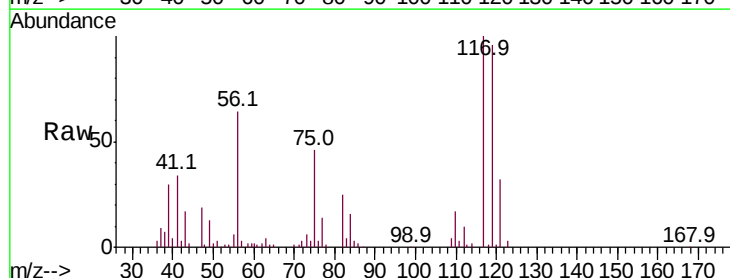
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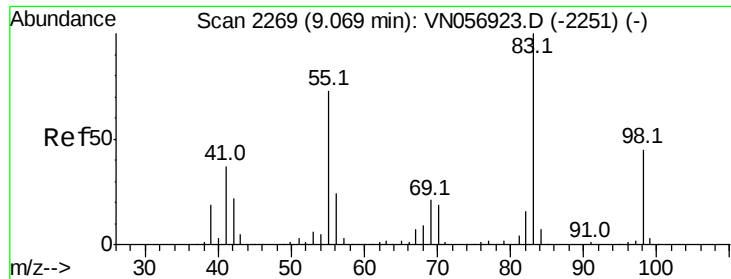
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#38
Carbon Tetrachloride
Concen: 19.908 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.0	118.6
121	32.3	25.1	37.7





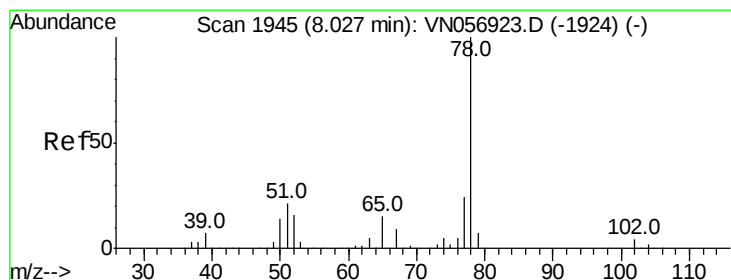
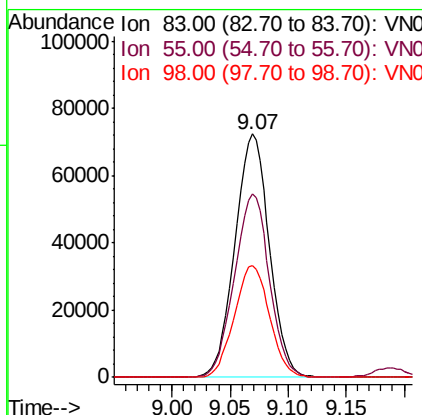
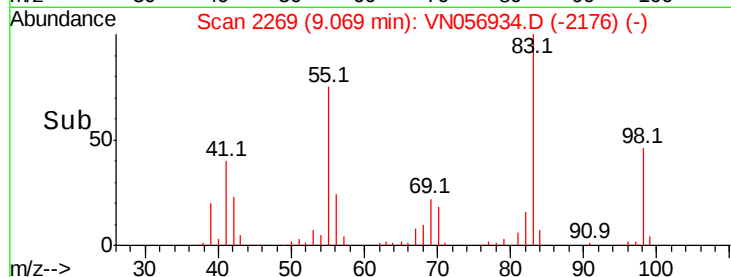
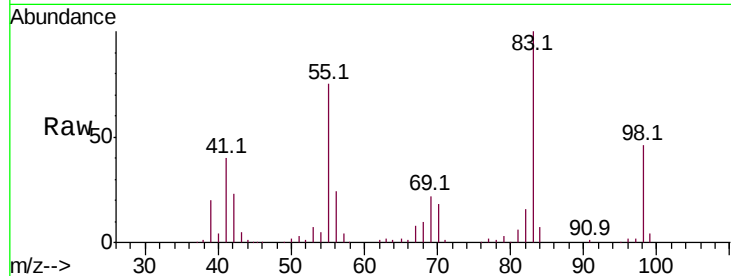
#39
Methvlcvclohexane
Concen: 20.054 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	58.8	88.2
98	46.1	35.8	53.6

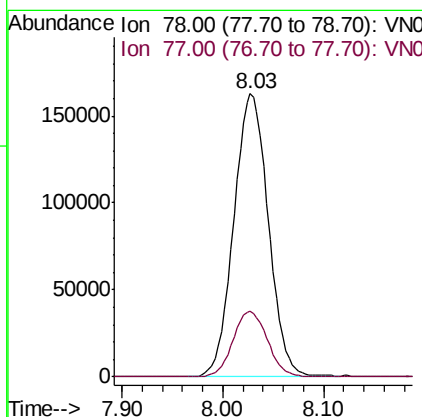
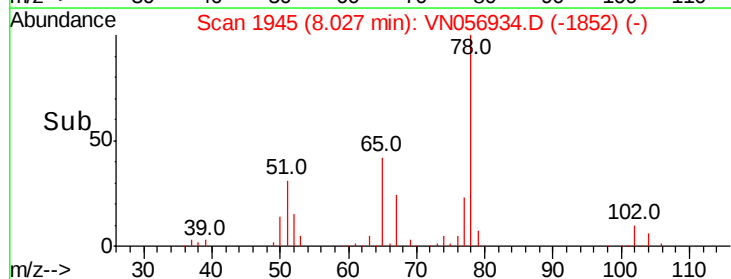
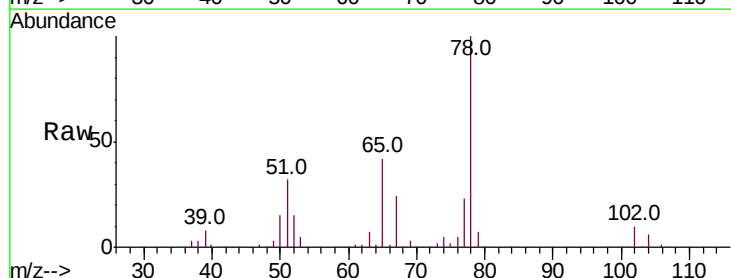
Manual Integrations
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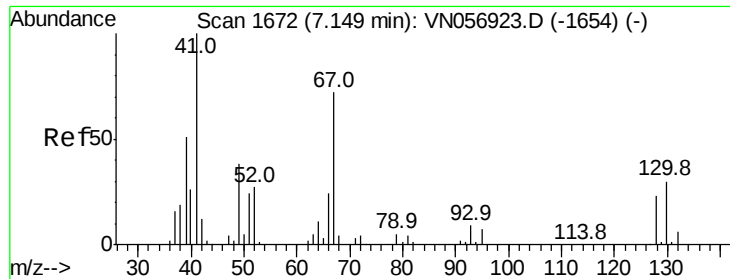
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#40
Benzene
Concen: 20.325 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.5	29.3





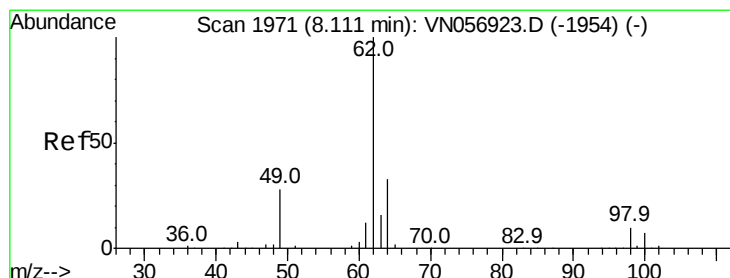
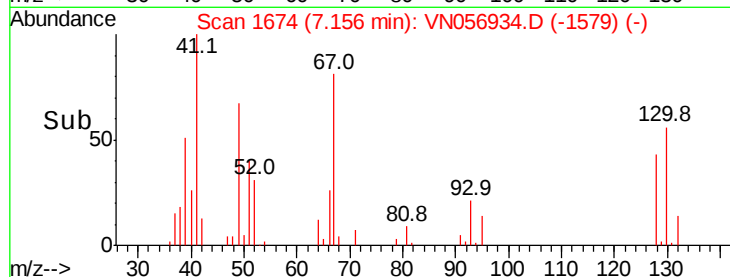
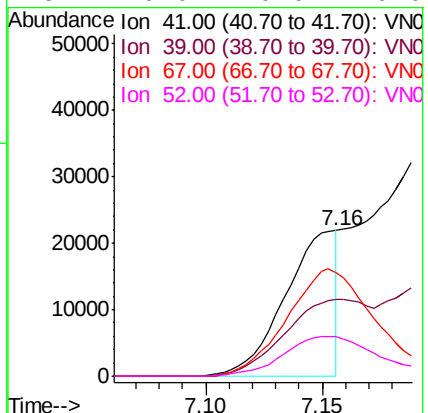
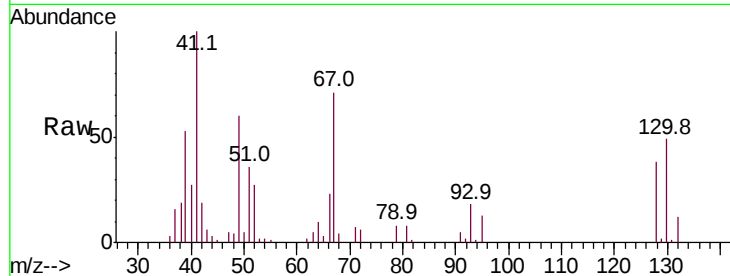
#41
Methacrylonitrile
Concen: 15.681 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	41	Resp	34092
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

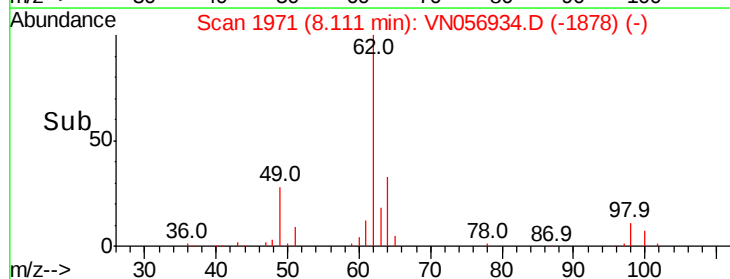
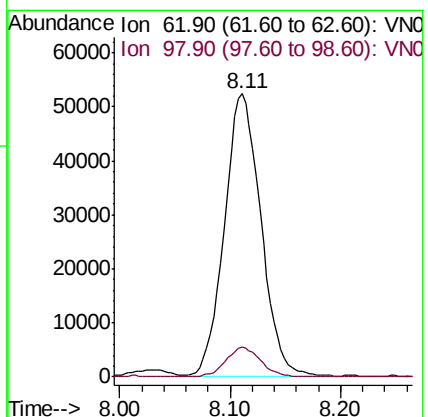
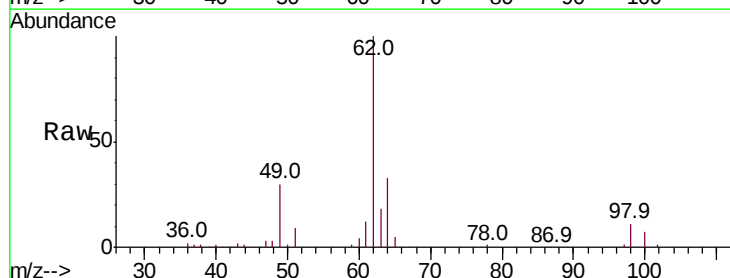
Manual Integrations
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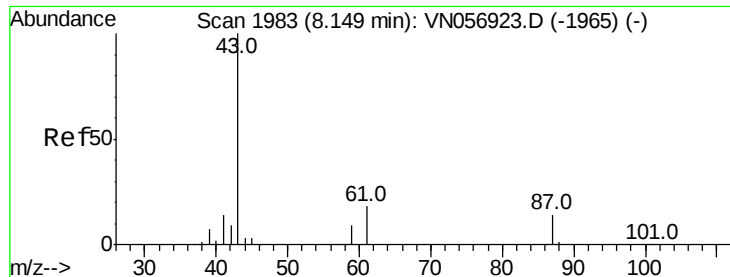
MMDadoda
7/26/2019 3:37:54 PM



#42
1,2-Dichloroethane
Concen: 20.383 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	62	Resp	119763
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	20.8





#43

Isopropyl Acetate

Concen: 20.209 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

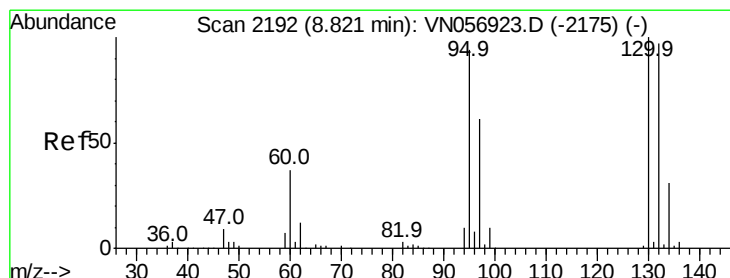
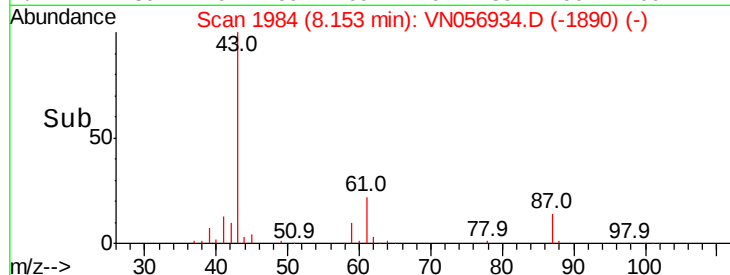
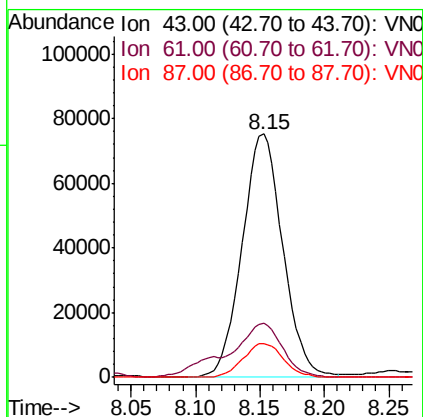
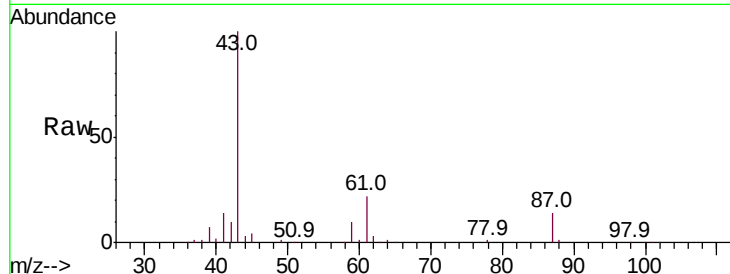
ClientSampleId :

VN0726WBS01

Tot Ion:	43	Resp:	164355
Ion	Ratio	Lower	Upper
43	100		
61	22.8	23.8	35.6#
87	13.9	11.8	17.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.688 ug/l

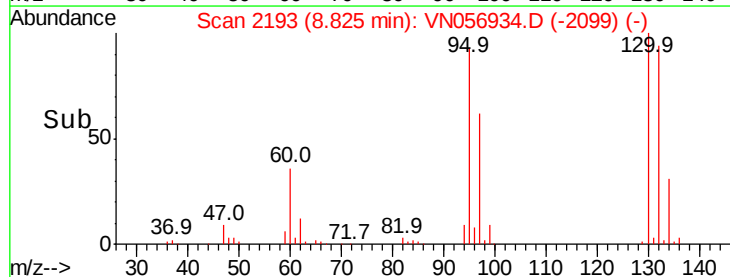
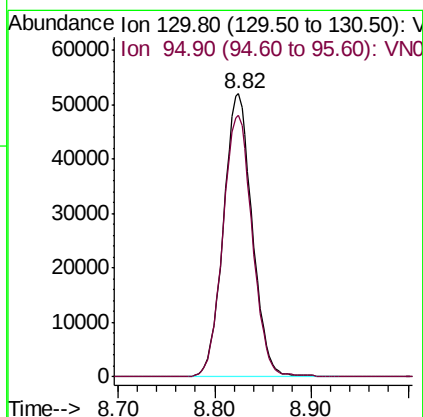
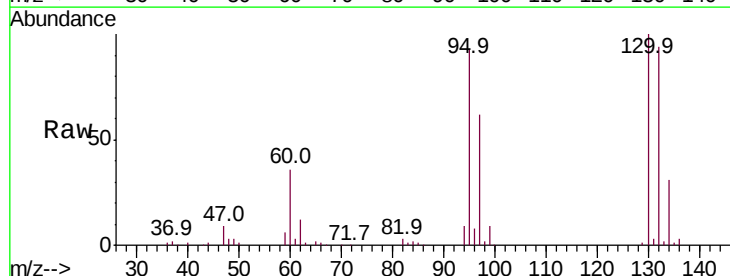
RT: 8.82 min Scan# 2193

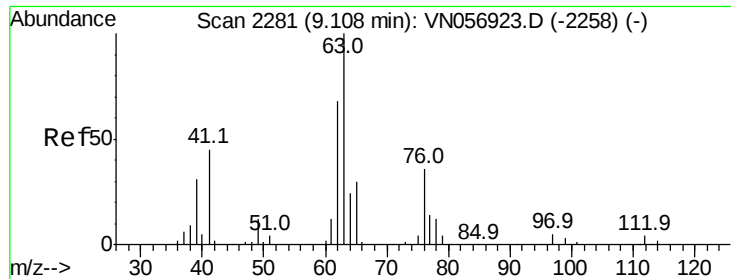
Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion:	130	Resp:	107362
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	187.6





#45

1,2-Dichloropropane

Concen: 20.382 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 63 Resp: 104199

Ion Ratio Lower Upper

63 100

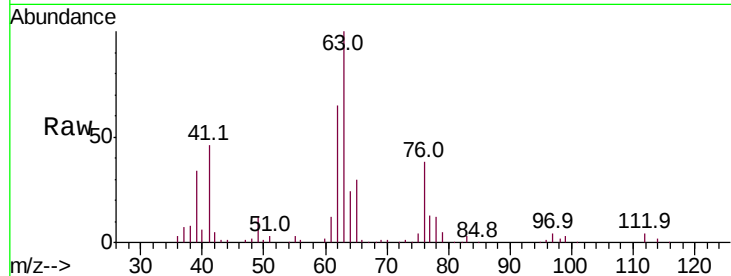
65 29.7 24.5 36.7

Manual Integrations

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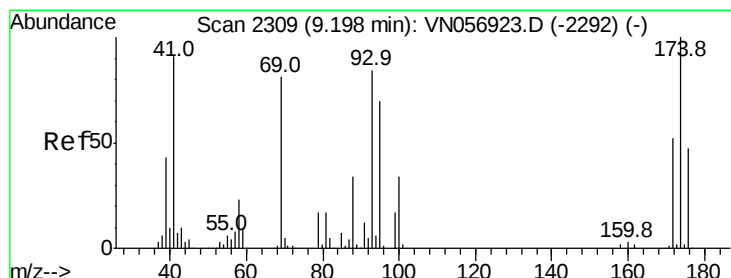
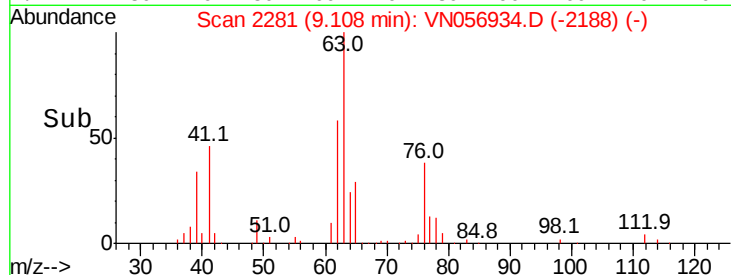
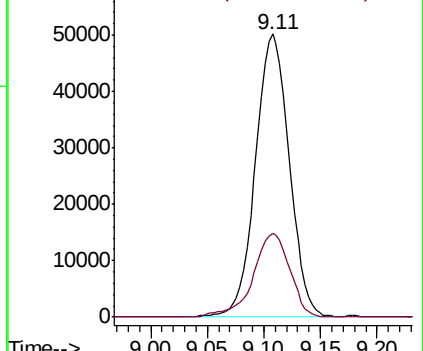
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.391 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

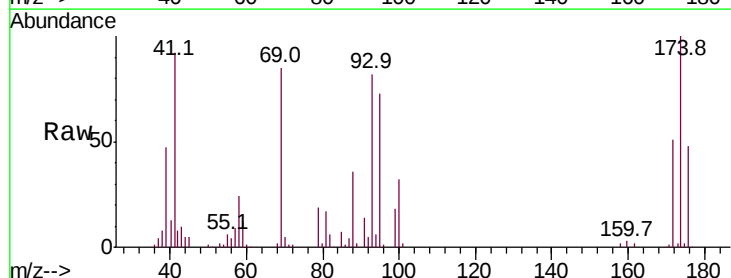
Tgt Ion: 93 Resp: 62846

Ion Ratio Lower Upper

93 100

95 85.4 66.8 100.2

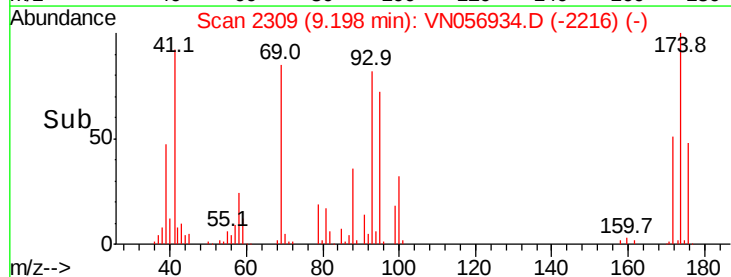
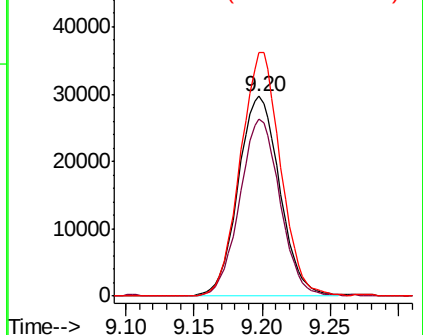
174 117.9 92.9 139.3

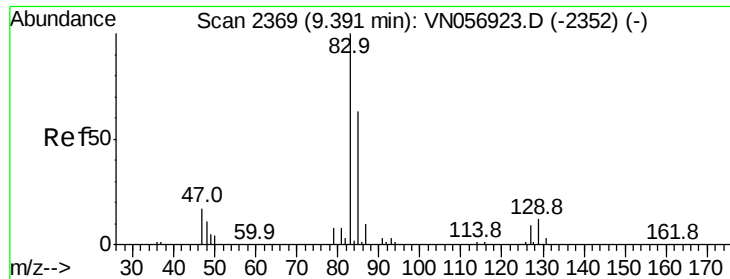


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.061 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

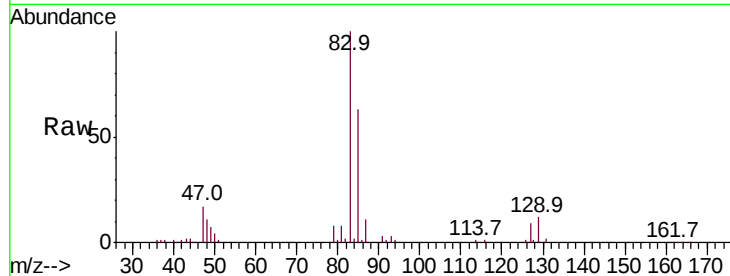
ClientSampleId :

VN0726WBS01

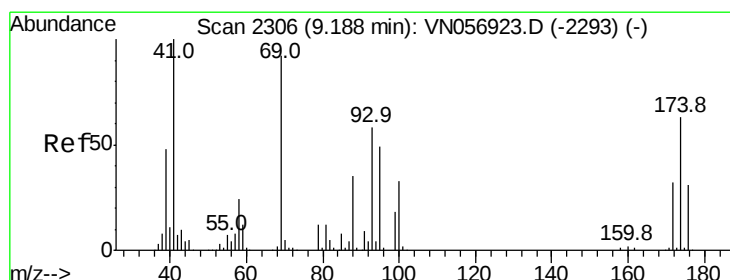
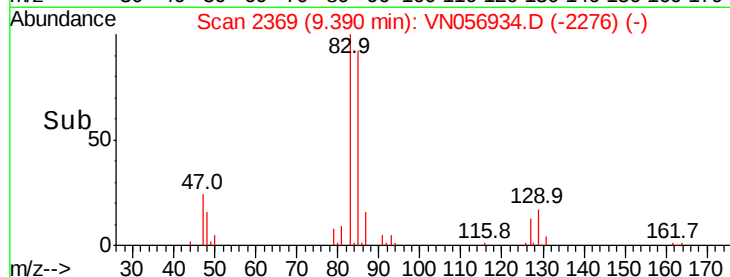
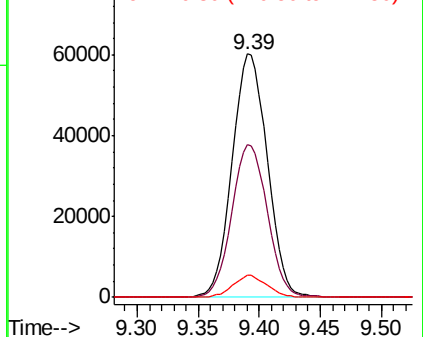
Tot Ion:	83	Resp:	120738
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.5	75.7
127	9.0	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN056934.D (-2276) (-)



#48

Methyl methacrylate

Concen: 20.376 ug/l

RT: 9.19 min Scan# 2306

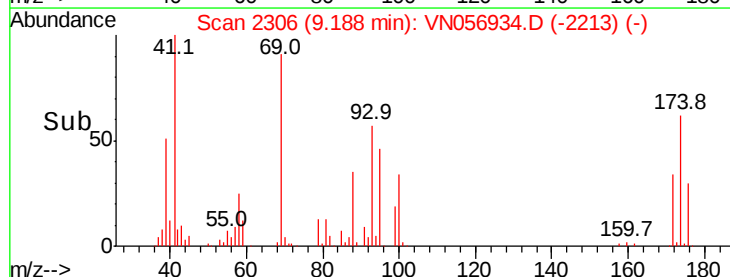
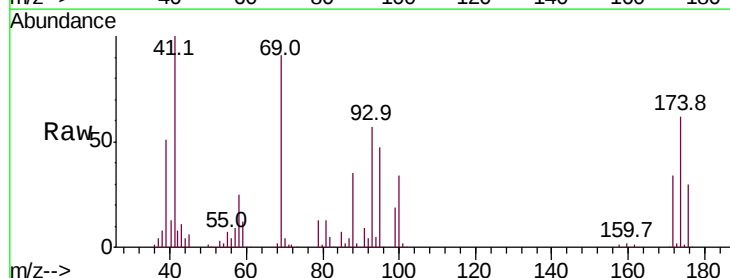
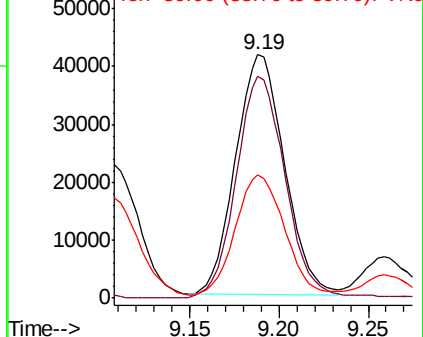
Delta R.T. -0.00 min

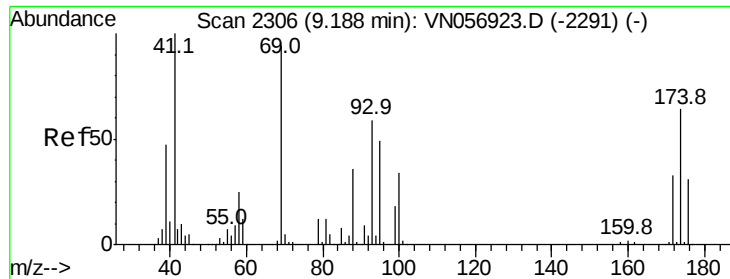
Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion:	41	Resp:	79550
Ion Ratio	Lower	Upper	
41	100		
69	92.1	73.4	110.0
39	50.4	40.1	60.1

Abundance Ion 41.00 (40.70 to 41.70): VN056934.D (-2213) (-)





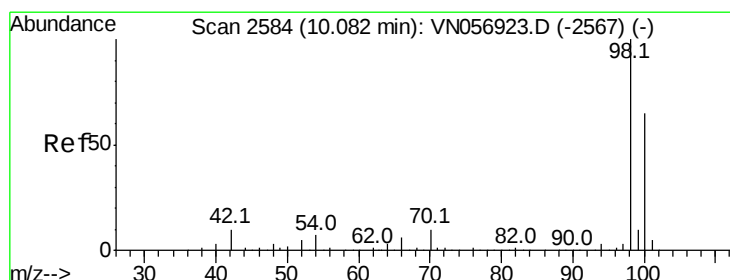
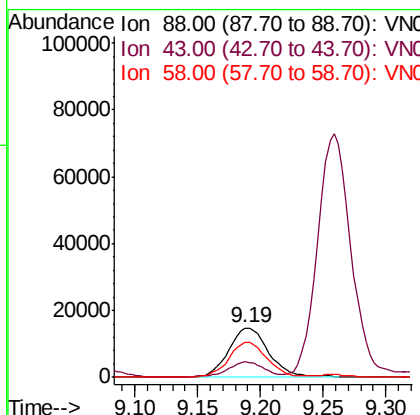
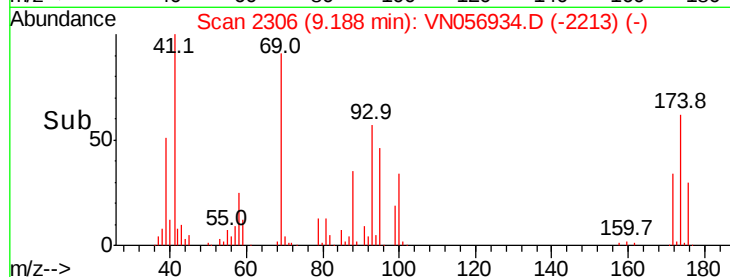
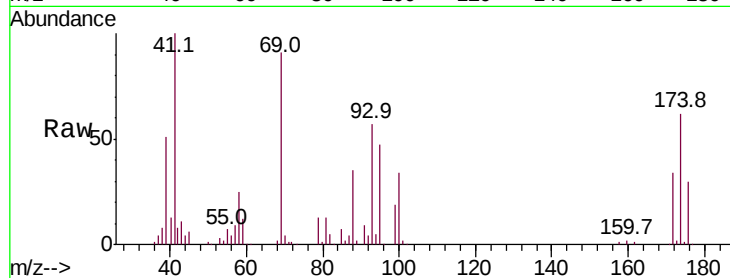
#49
 1,4-Dioxane
 Concen: 406.529 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.1	31.7
58	67.2	52.5	78.7

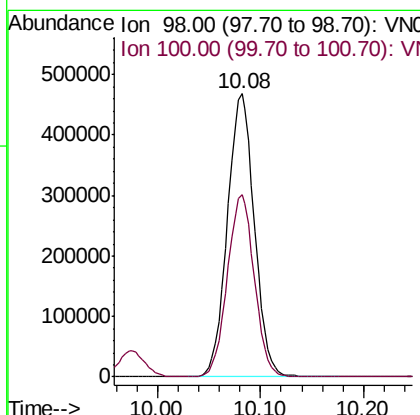
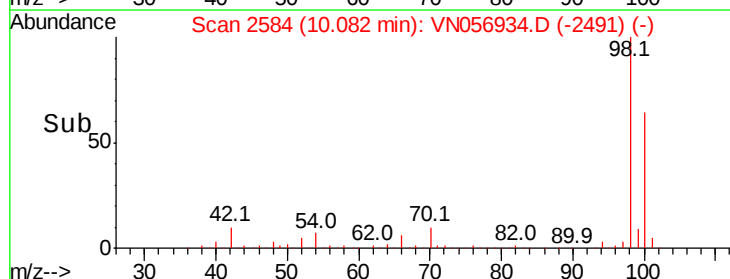
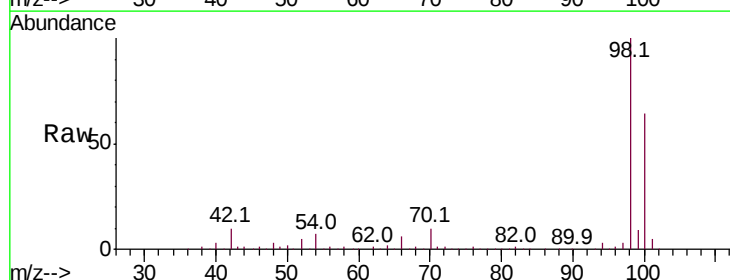
Manual Integrations
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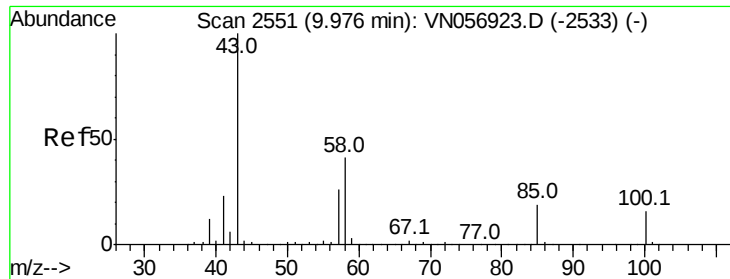
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#50
 Toluene-d8
 Concen: 52.855 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 103.297 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 43 Resp: 499493

Ion Ratio Lower Upper

43 100

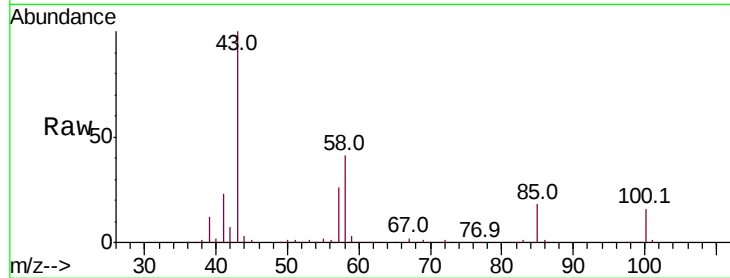
58 40.9 32.8 49.2

Manual Integrations

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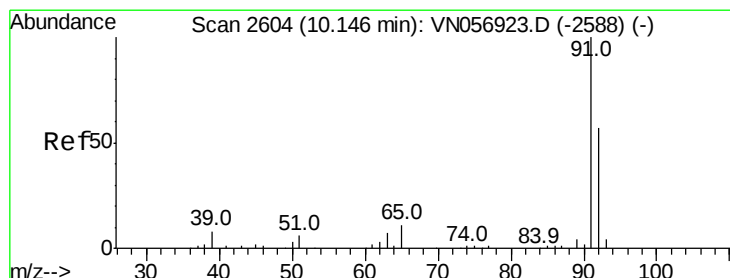
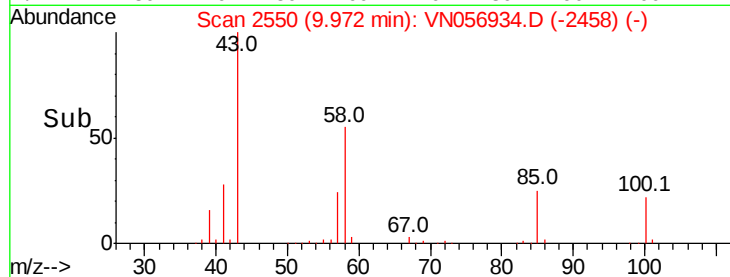
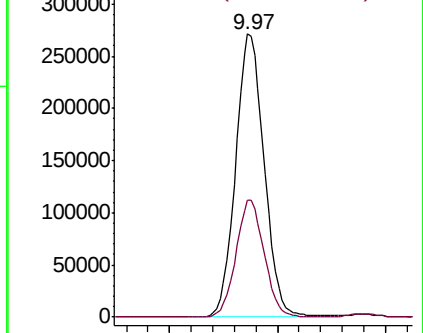
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.826 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056934.D

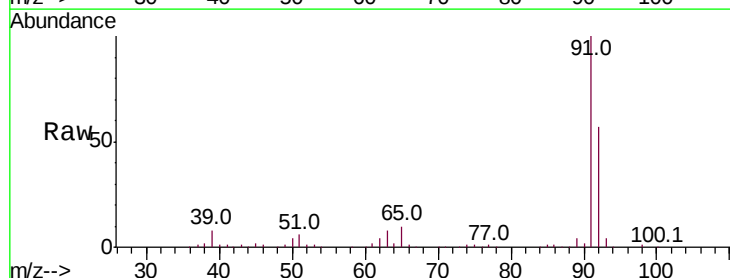
Acq: 25 Jul 2019 21:14

Tgt Ion: 92 Resp: 237612

Ion Ratio Lower Upper

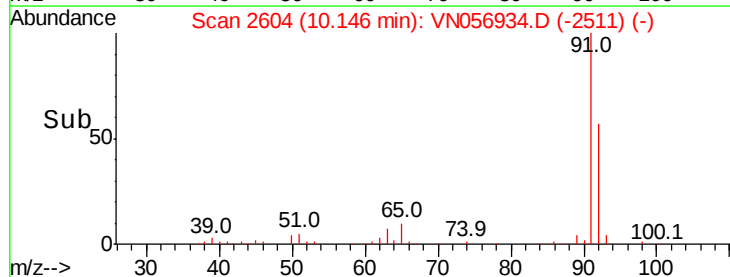
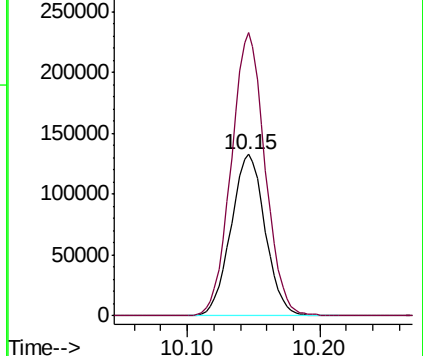
92 100

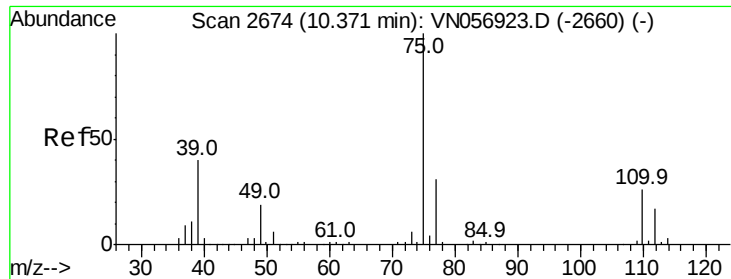
91 173.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





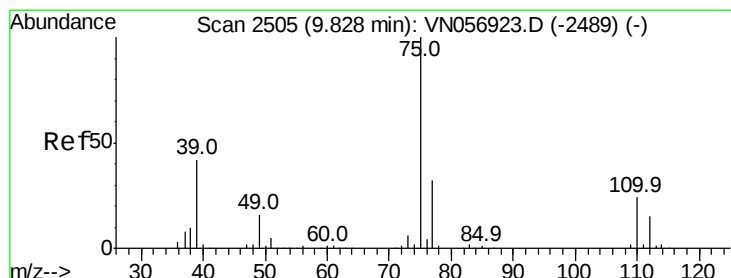
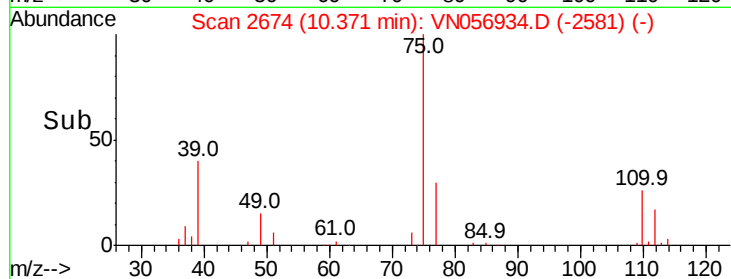
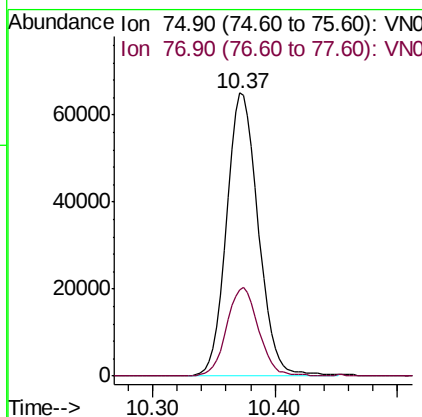
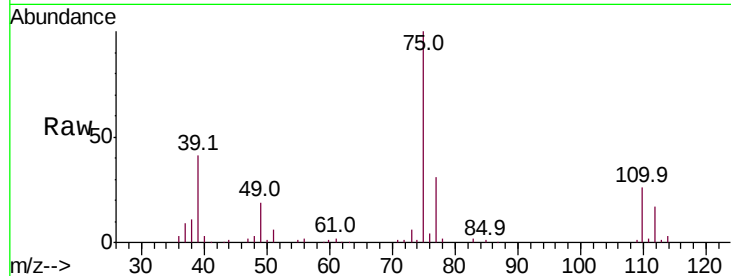
#53
t-1,3-Dichloropropene
Concen: 19.509 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion: 75 Resp: 118378
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.6

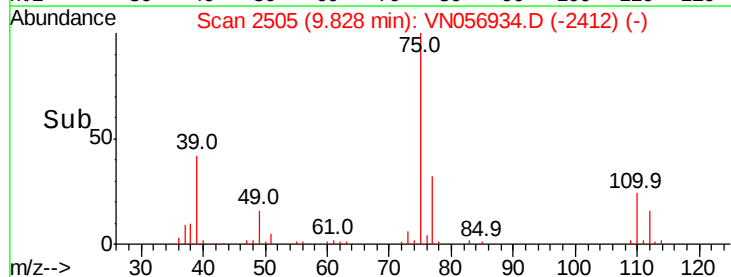
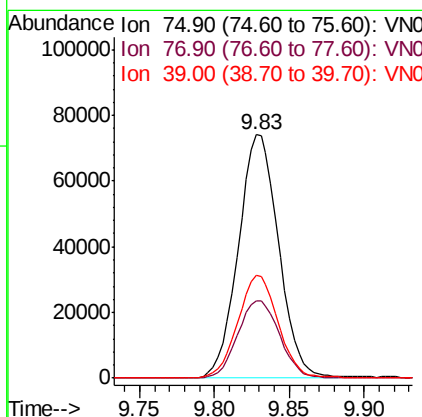
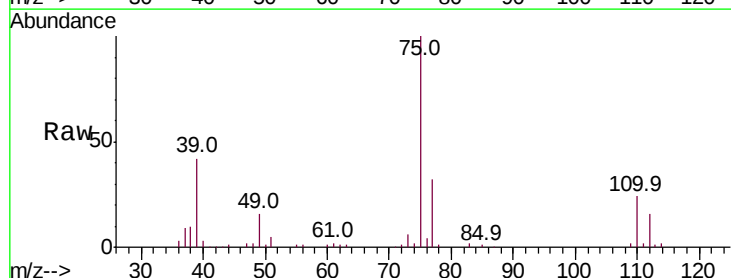
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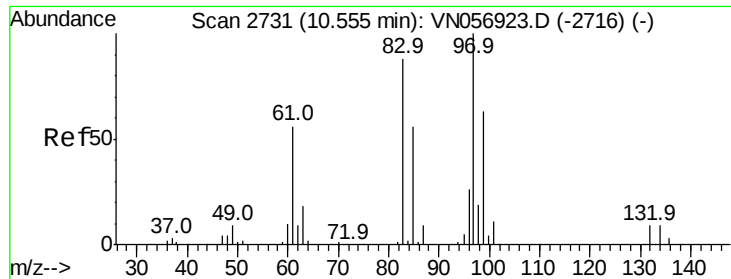
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#54
cis-1,3-Dichloropropene
Concen: 19.430 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion: 75 Resp: 138795
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 42.3 33.4 50.0





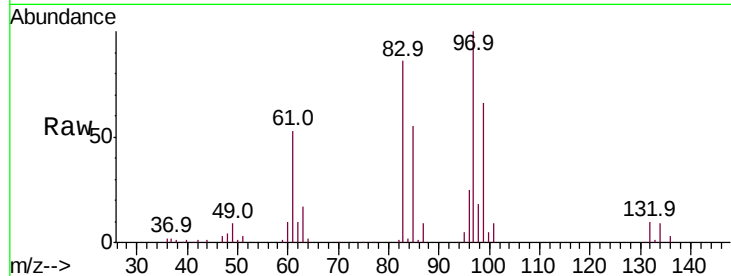
#55
 1,1,2-Trichloroethane
 Concen: 19.973 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	97	Resp	91327
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.1	105.1
85	54.8	45.1	67.7
99	66.2	50.6	75.8

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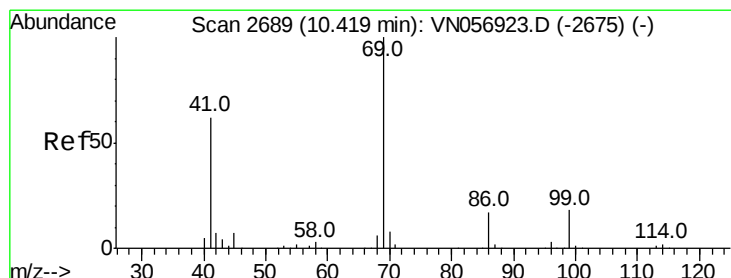
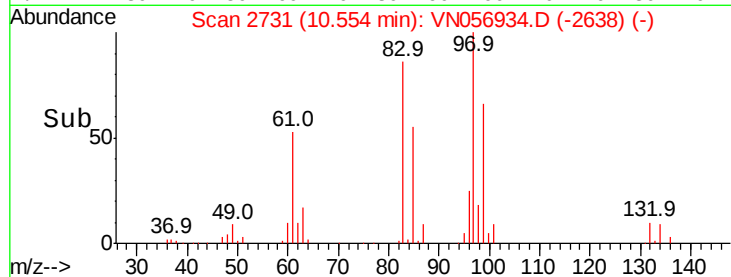
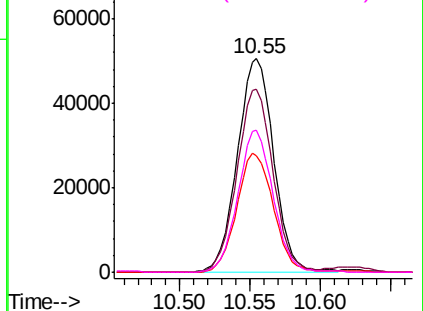
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

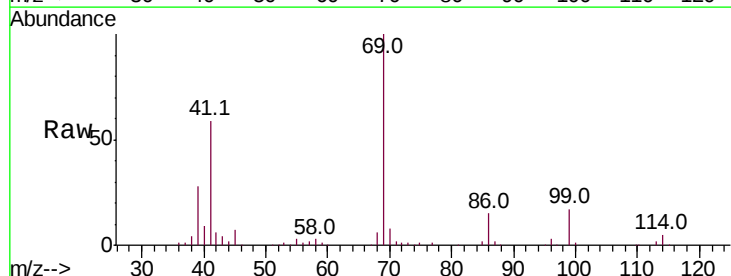
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 21.238 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	69	Resp	130570
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.7	74.5
39	27.6	23.6	35.4

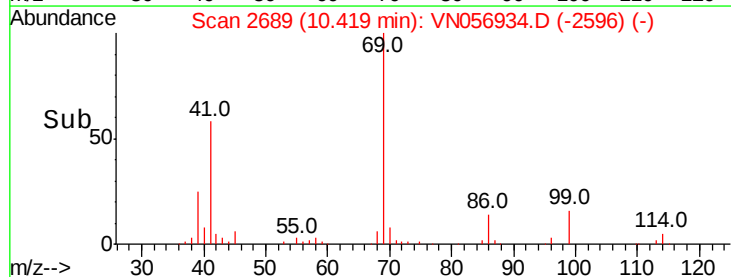
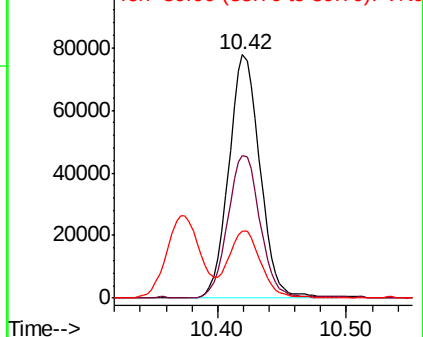


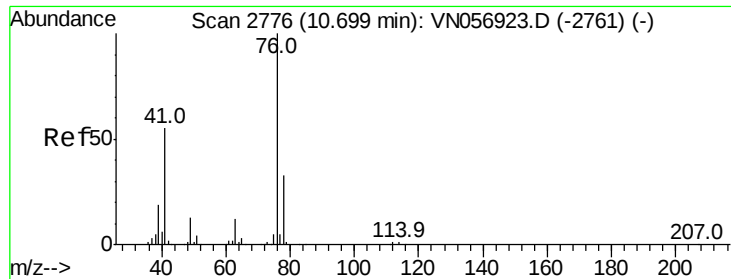
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.417 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 76 Resp: 152798

Ion Ratio Lower Upper

76 100

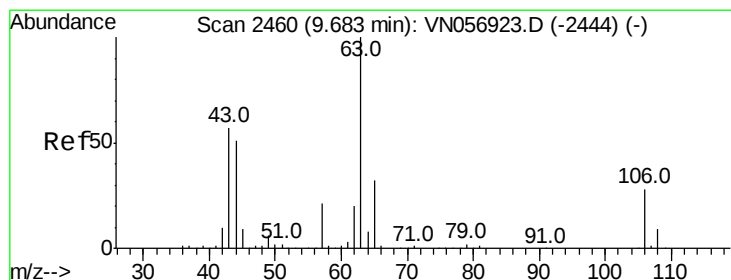
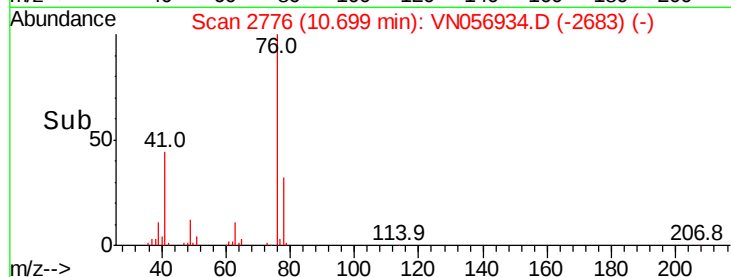
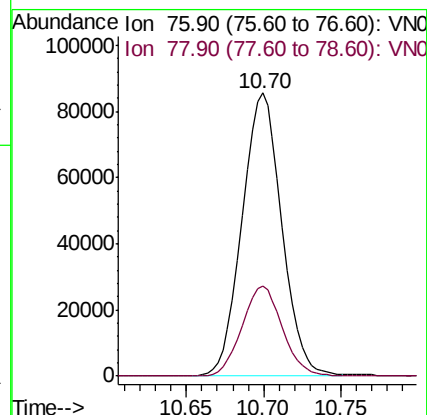
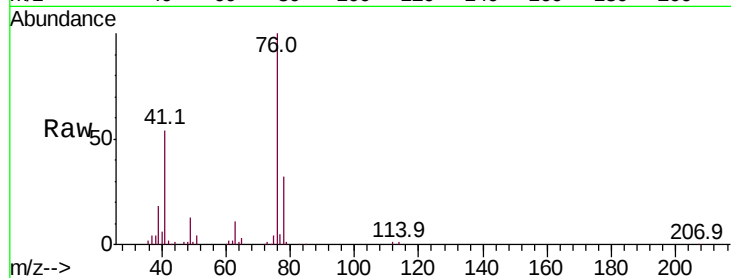
78 32.4 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.374 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN056934.D

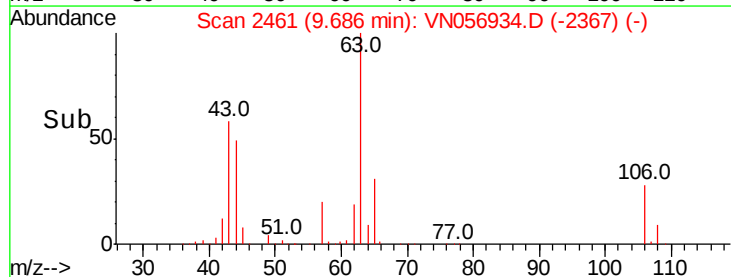
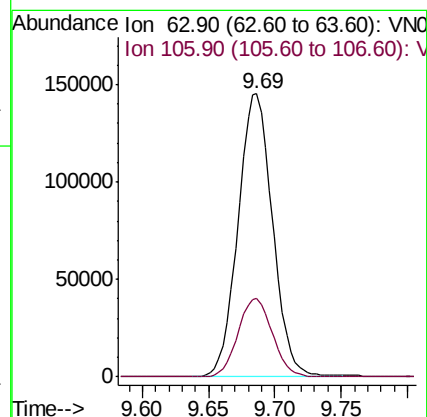
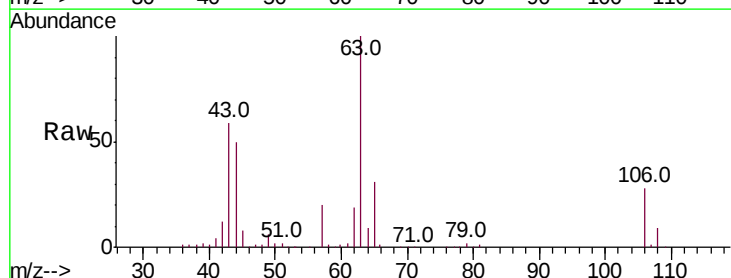
Acq: 25 Jul 2019 21:14

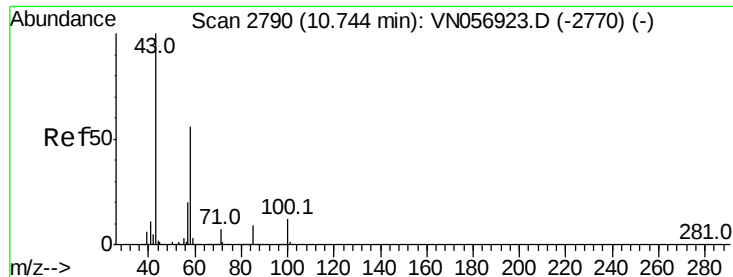
Tgt Ion: 63 Resp: 262634

Ion Ratio Lower Upper

63 100

106 27.7 22.2 33.4





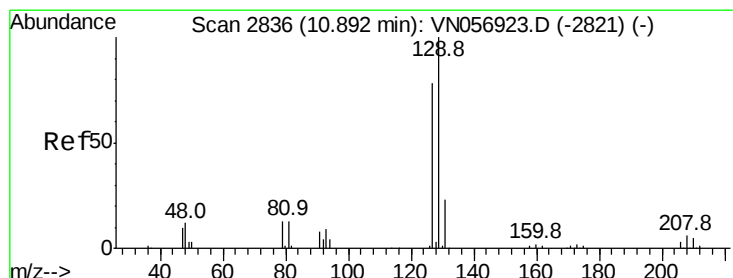
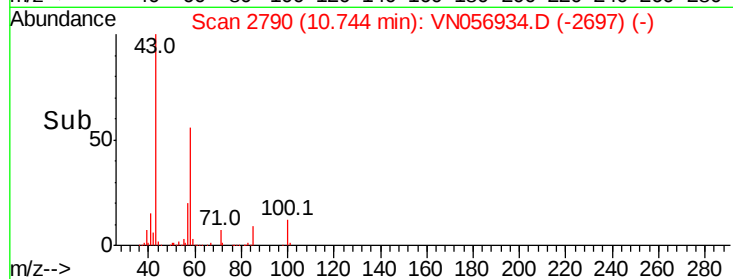
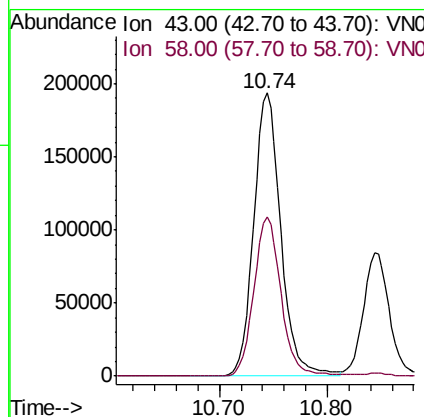
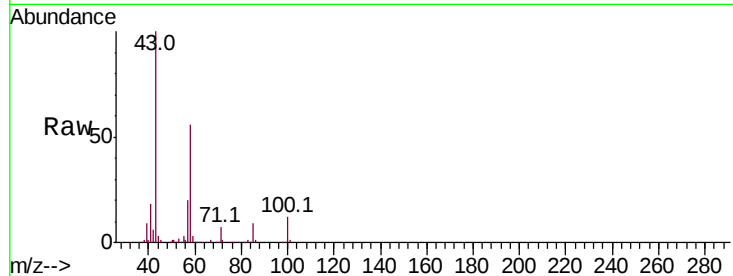
#59
2-Hexanone
Concen: 101.509 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.2	84.6

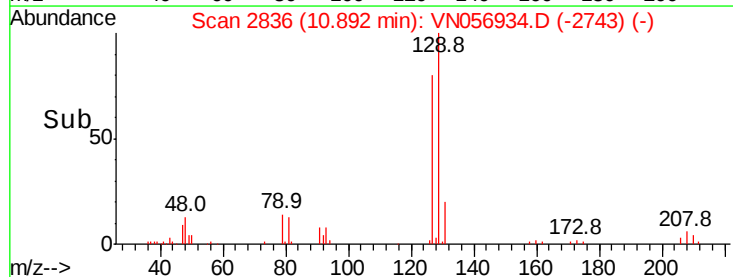
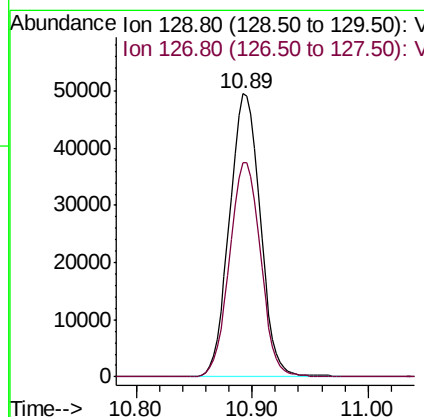
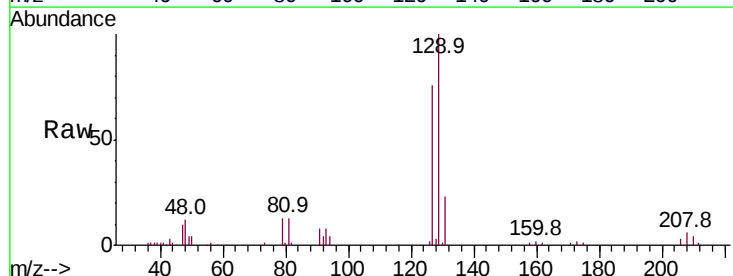
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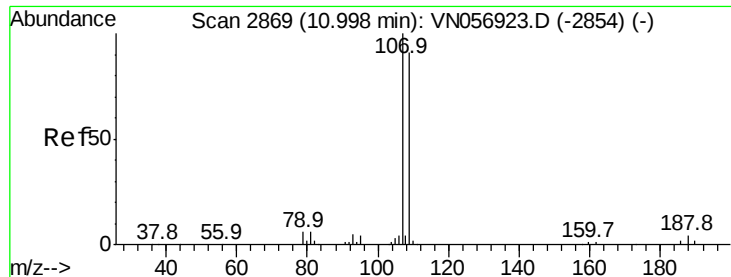
MMDadoda
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#60
Dibromochloromethane
Concen: 19.612 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.4	115.2





#61

1,2-Dibromoethane

Concen: 20.590 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:107 Resp: 93450

Ion Ratio Lower Upper

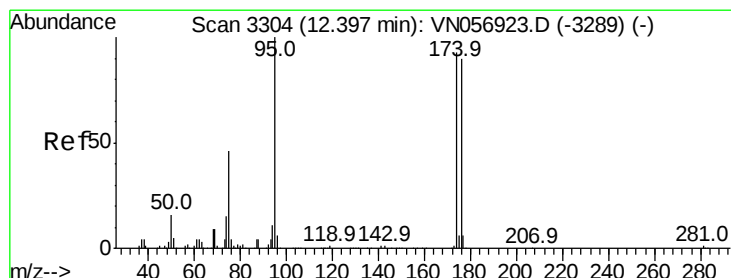
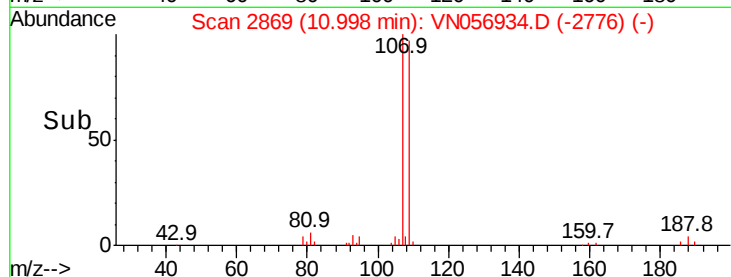
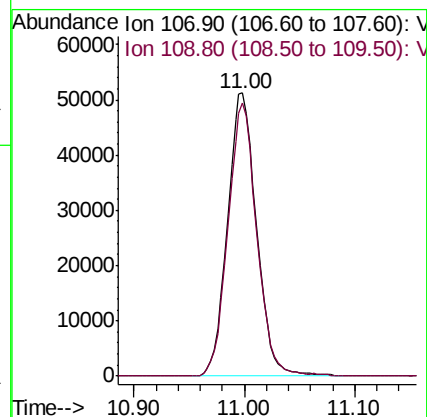
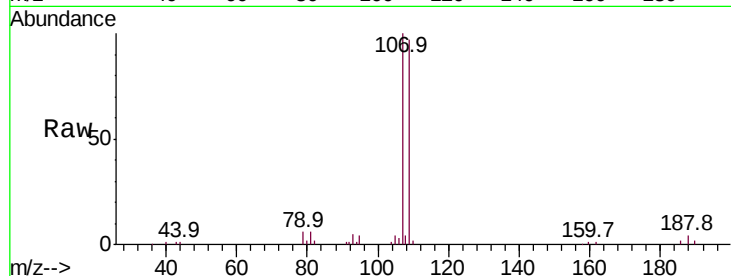
107 100

109 95.3 74.8 112.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.817 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

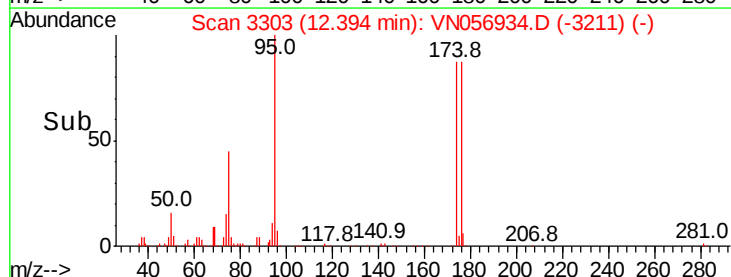
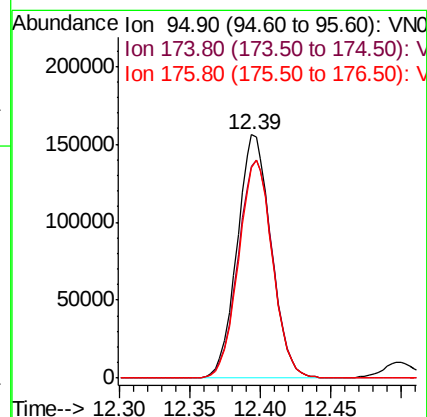
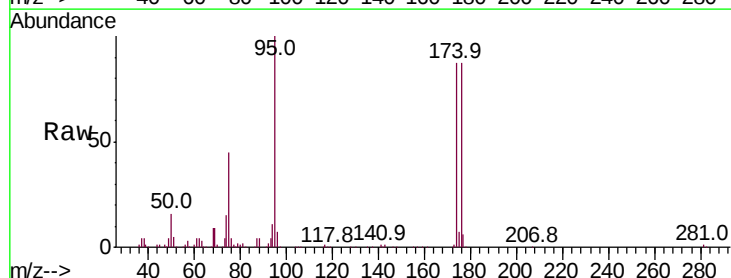
Tgt Ion: 95 Resp: 262961

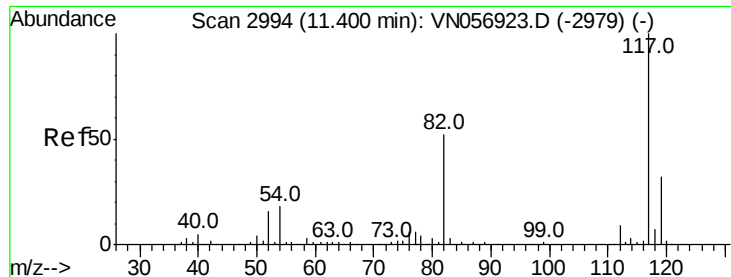
Ion Ratio Lower Upper

95 100

174 91.6 0.0 186.2

176 89.3 0.0 179.6





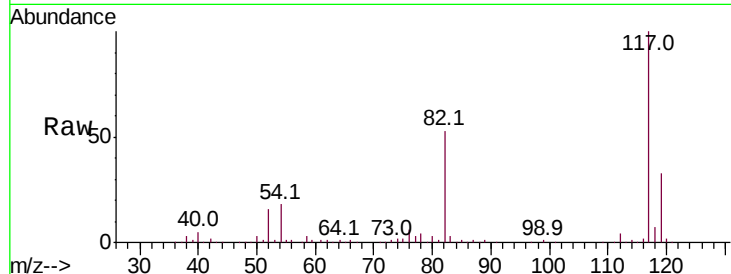
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.7	62.5
119	32.8	25.5	38.3

Manual Integrations
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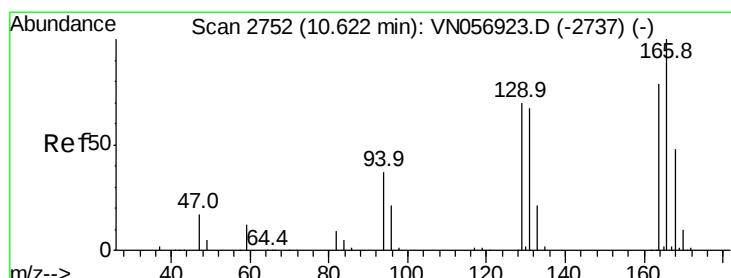
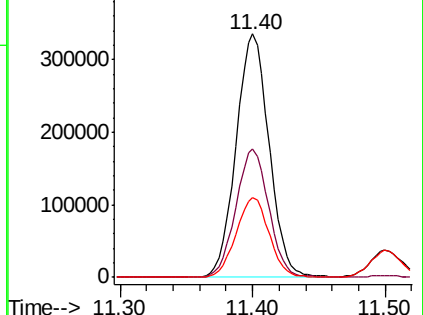
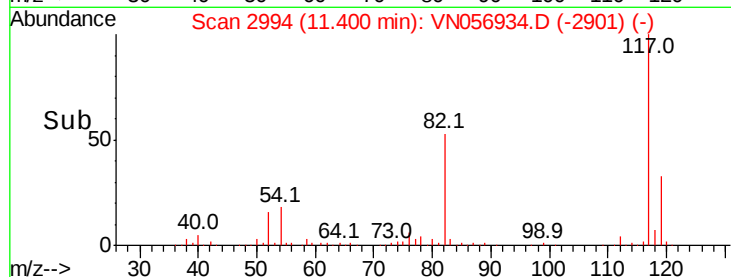


Abundance

Ion 116.90 (116.60 to 117.60): V

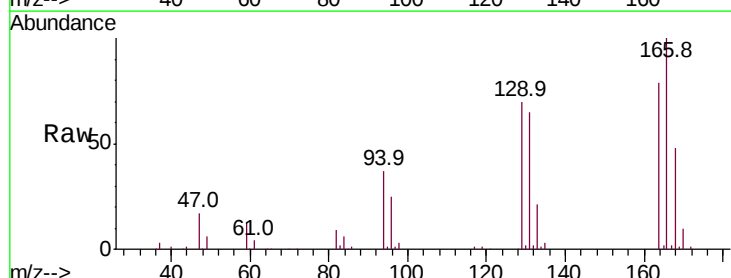
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.904 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.6	152.4
129	89.0	70.9	106.3
131	82.4	68.4	102.6



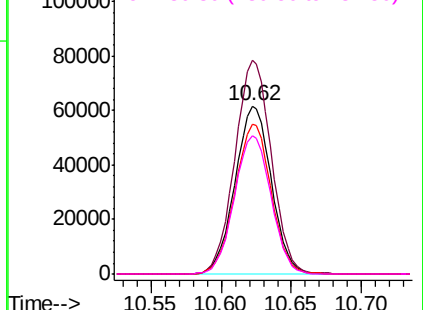
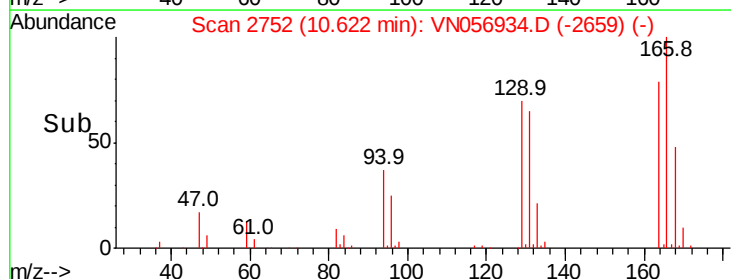
Abundance

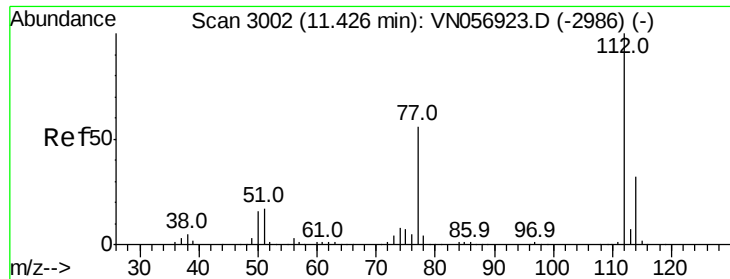
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.385 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:112 Resp: 248009

Ion Ratio Lower Upper

112 100

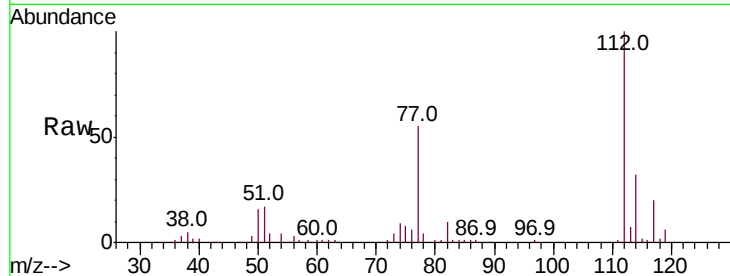
114 32.4 25.8 38.8

Manual Integrations

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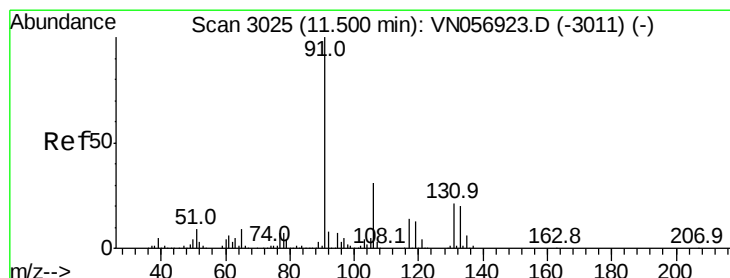
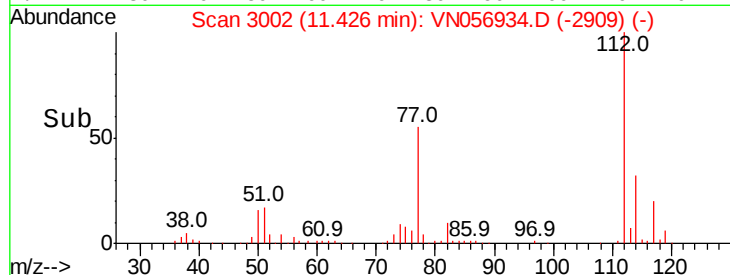
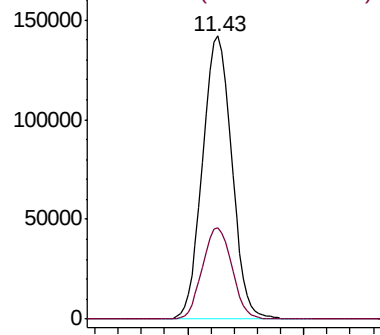
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.593 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

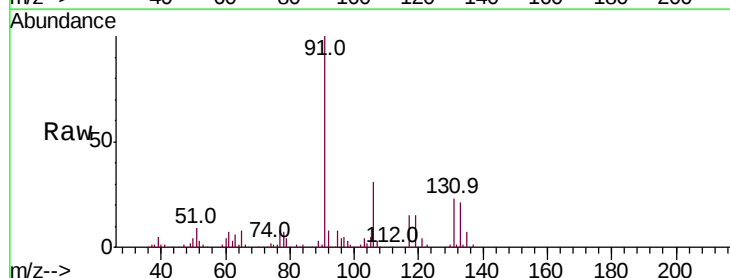
Tgt Ion:131 Resp: 93175

Ion Ratio Lower Upper

131 100

133 96.0 47.1 141.4

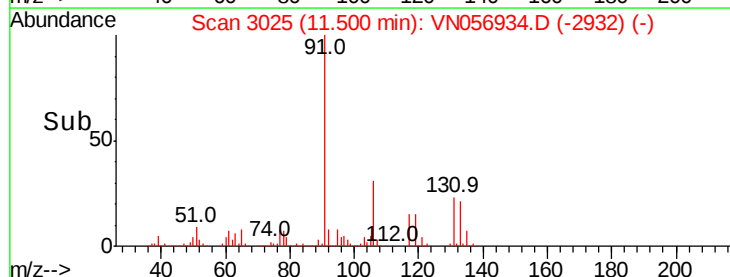
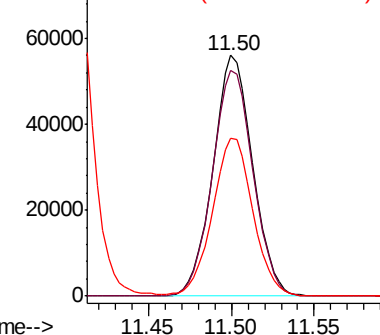
119 66.9 32.6 98.0

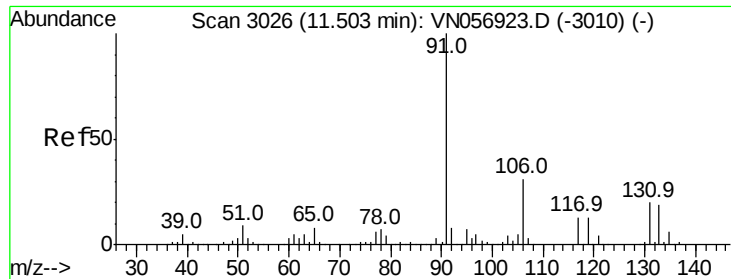


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.577 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 91 Resp: 431026

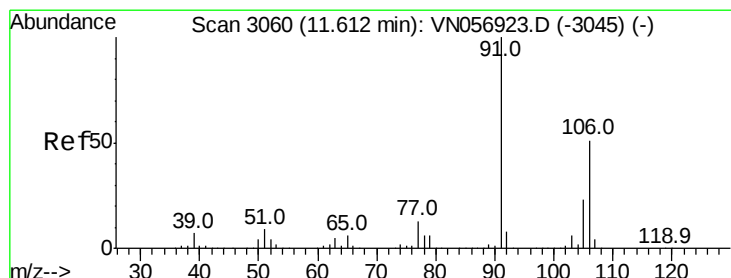
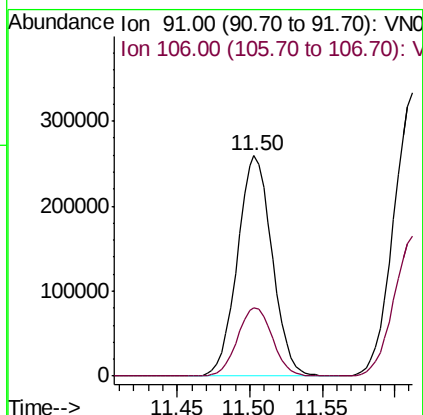
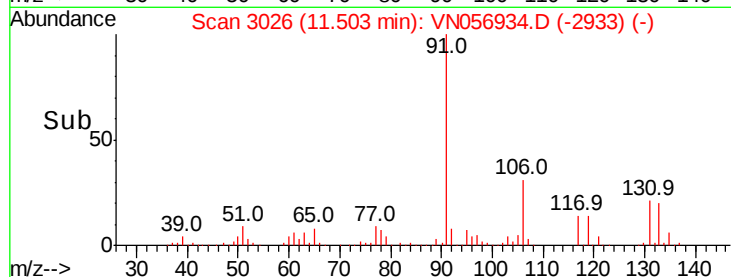
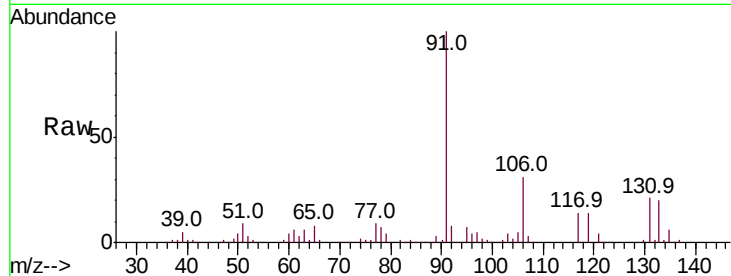
Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3

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#68

m/p-Xylenes

Concen: 41.361 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN056934.D

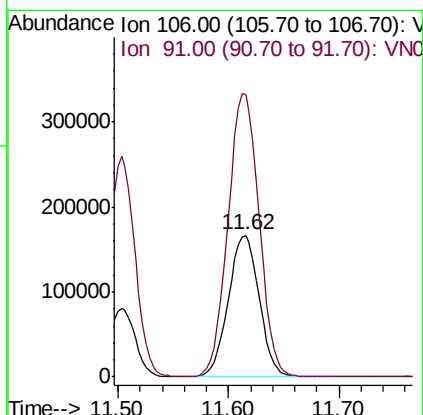
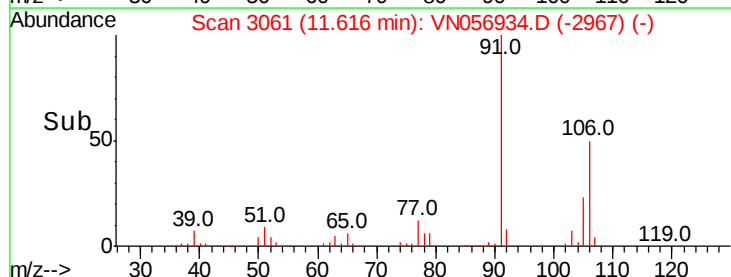
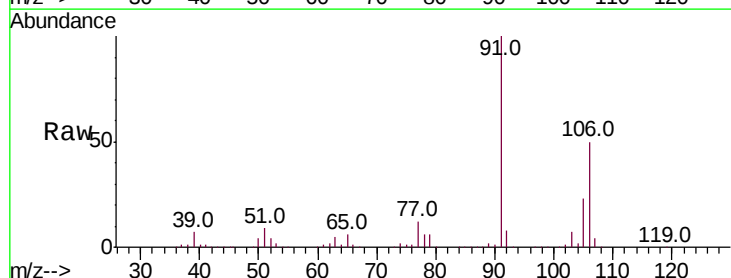
Acq: 25 Jul 2019 21:14

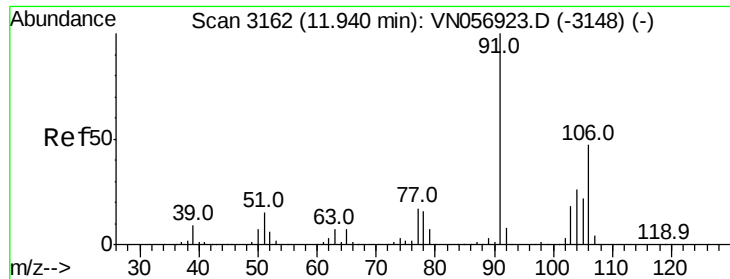
Tgt Ion: 106 Resp: 323071

Ion Ratio Lower Upper

106 100

91 201.8 159.6 239.4





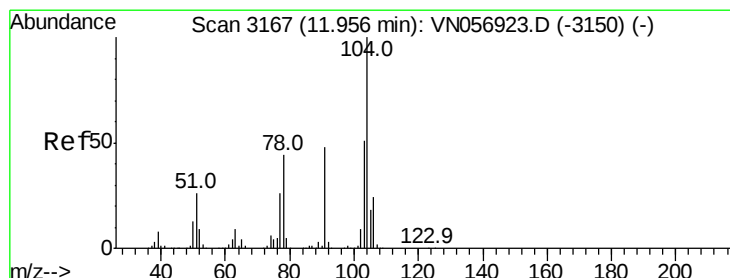
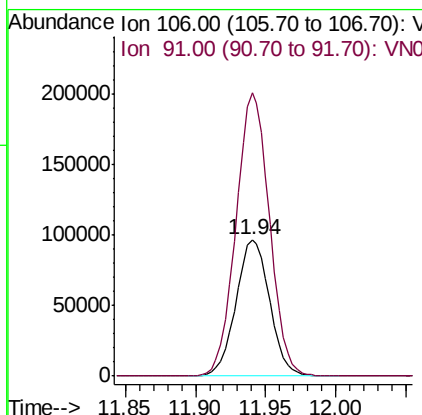
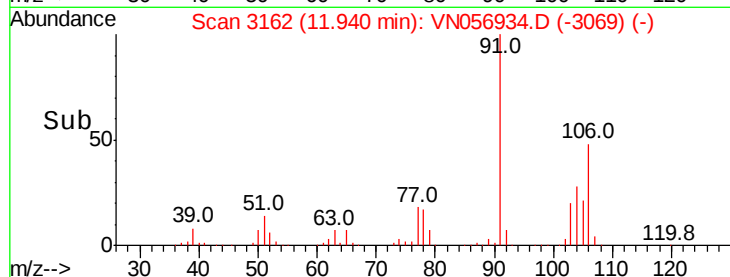
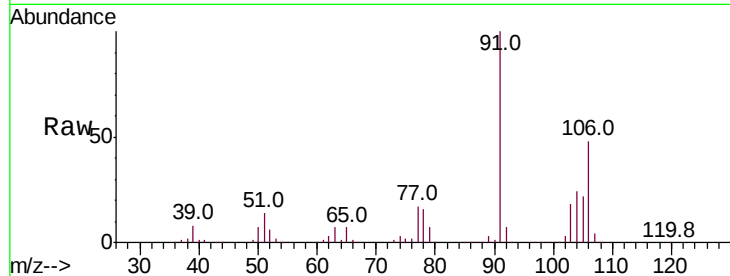
#69
o-Xylene
Concen: 21.142 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion:106 Resp: 161592
Ion Ratio Lower Upper
106 100
91 206.8 105.7 317.0

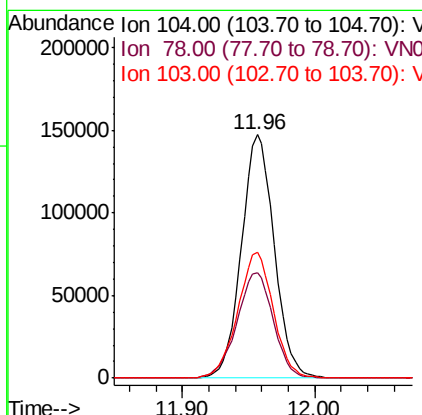
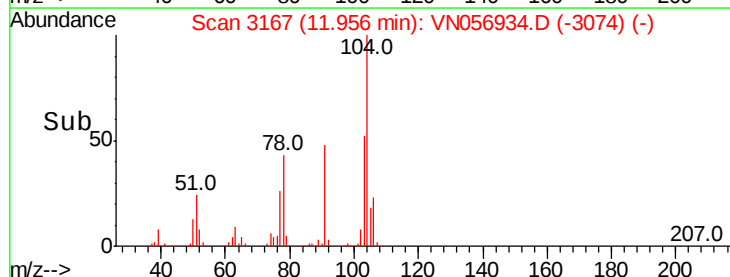
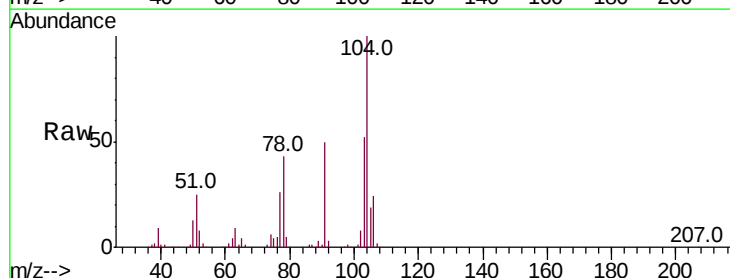
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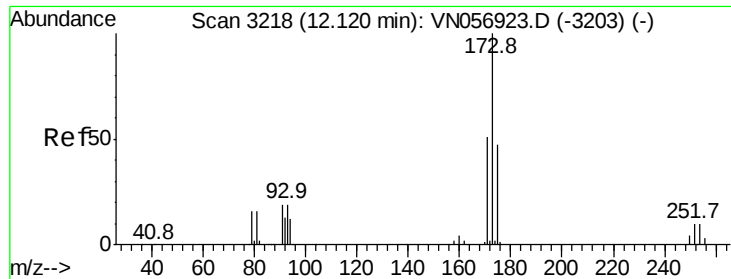
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#70
Styrene
Concen: 19.536 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion:104 Resp: 253419
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.9 44.1 66.1





#71

Bromoform

Concen: 19.452 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:173 Resp: 61132

Ion Ratio Lower Upper

173 100

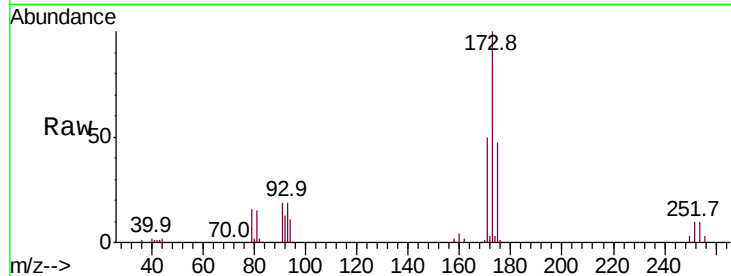
175 48.1 24.2 72.6

254 0.0 0.1 0.1#

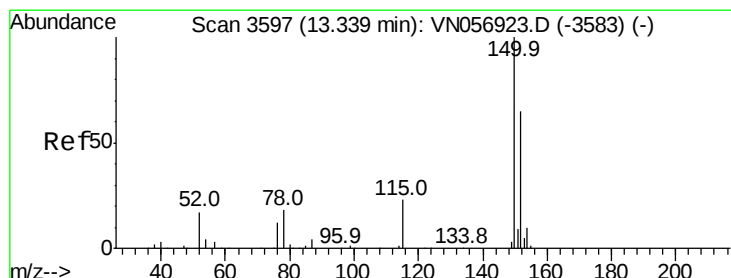
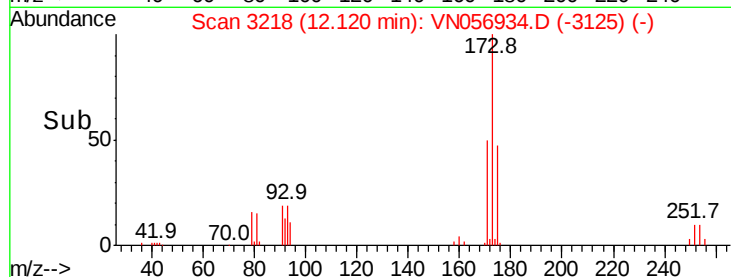
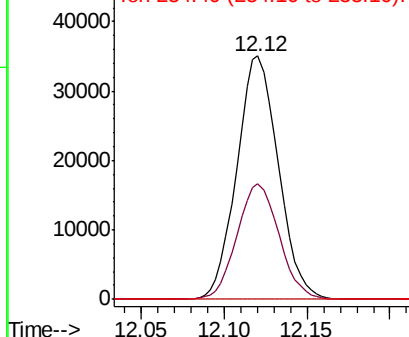
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

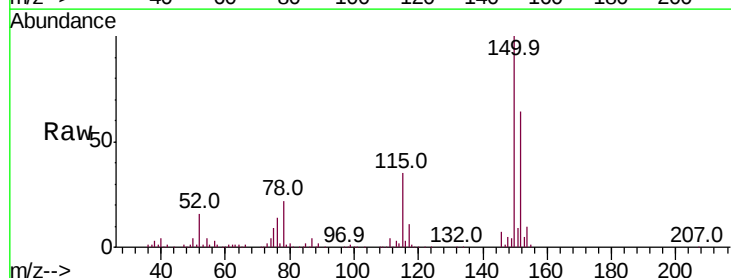
Tgt Ion:152 Resp: 225853

Ion Ratio Lower Upper

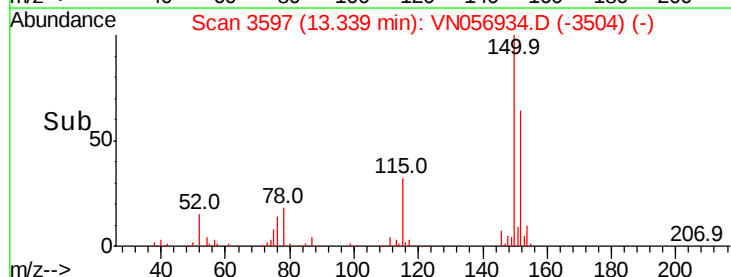
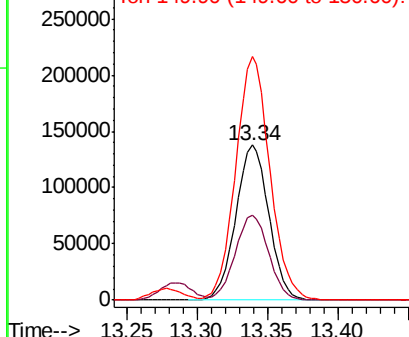
152 100

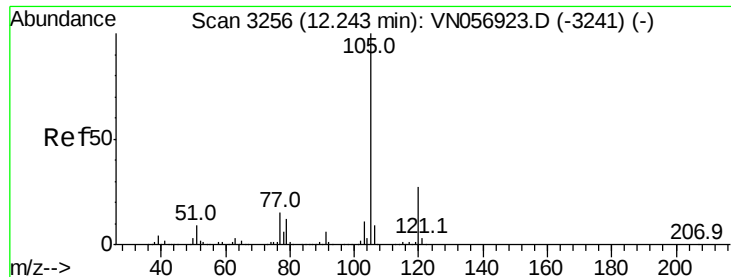
115 55.6 27.9 83.7

150 162.5 0.0 354.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





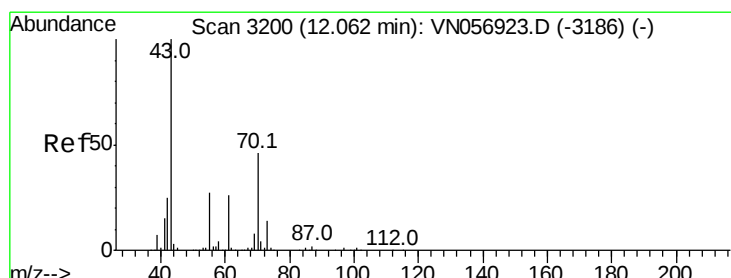
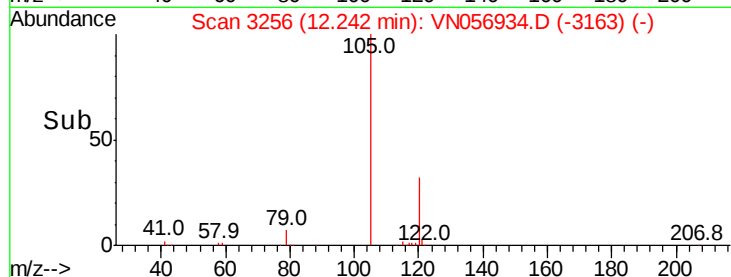
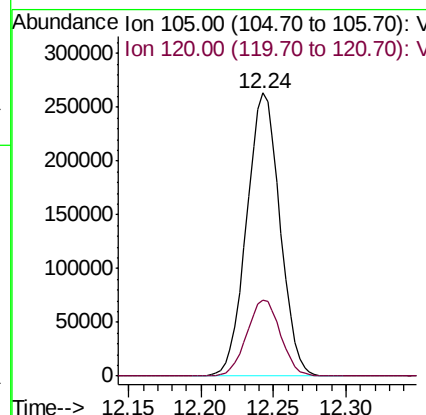
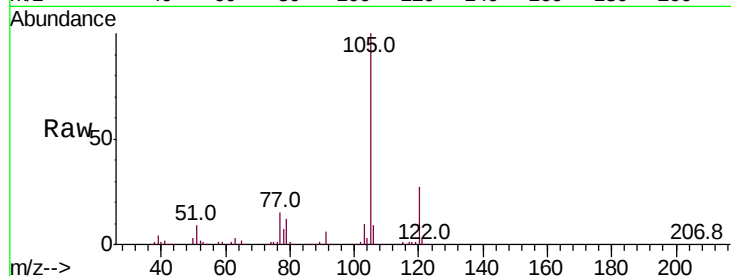
#73
Isopropylbenzene
Concen: 21.705 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion:105 Resp: 421763
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.1

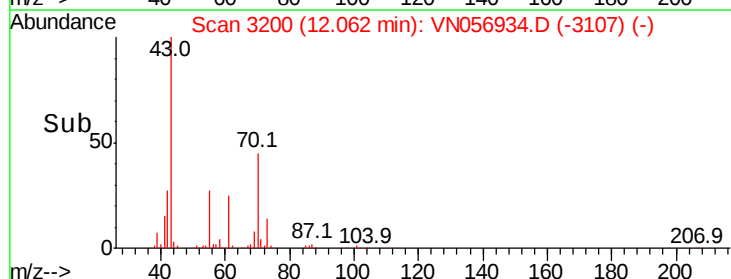
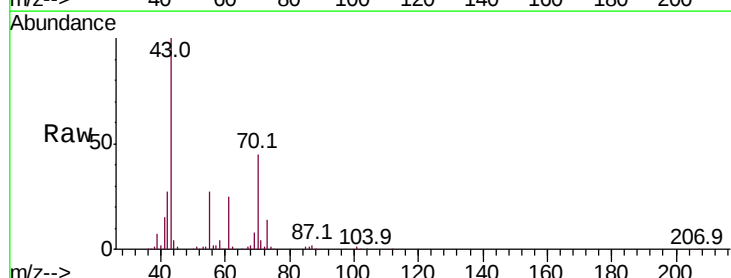
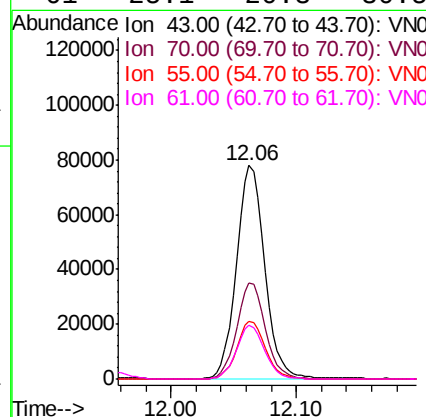
Manual Integrations
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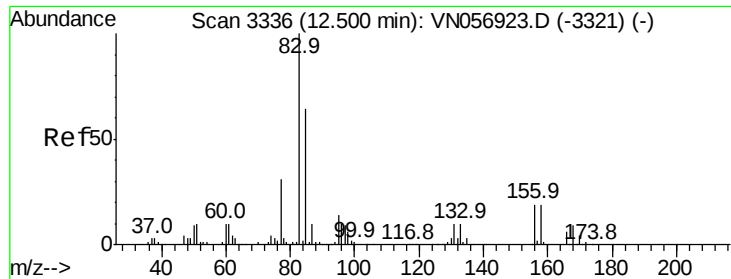
MMDadoda
7/26/2019 3:37:54 PM



#74
N-ethyl acetate
Concen: 20.302 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion: 43 Resp: 122510
Ion Ratio Lower Upper
43 100
70 45.2 35.9 53.9
55 27.4 21.4 32.2
61 25.1 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.520 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

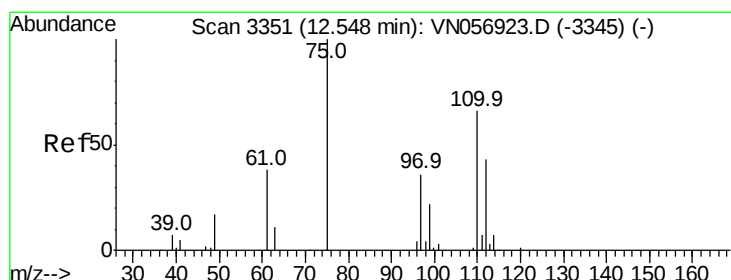
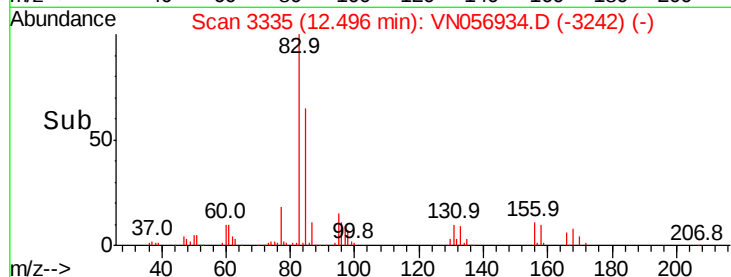
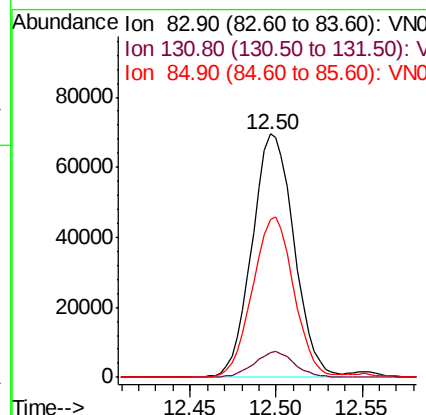
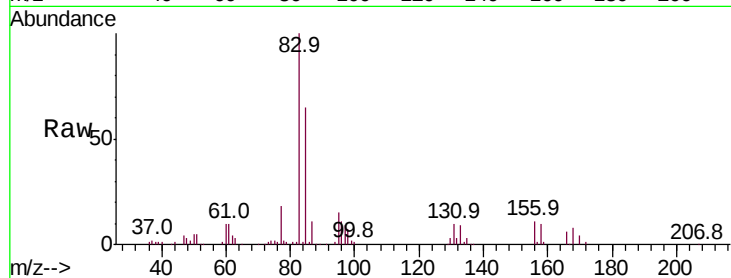
ClientSampleId :

VN0726WBS01

Tot Ion:	83	Resp:	118118
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 20.348 ug/l m

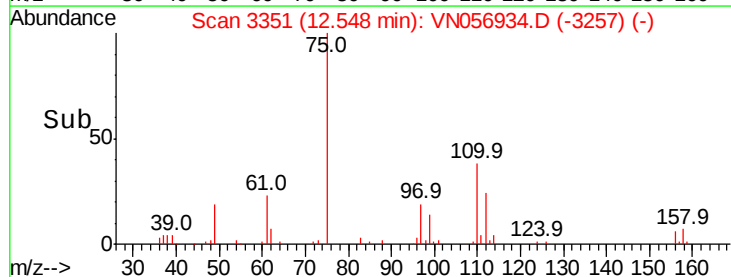
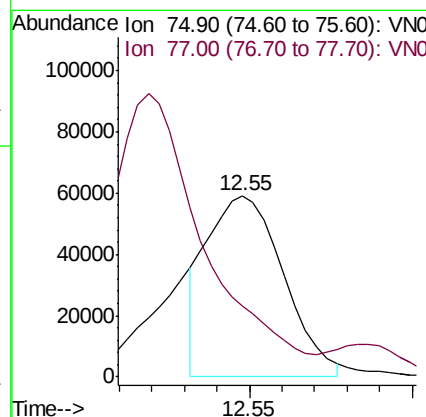
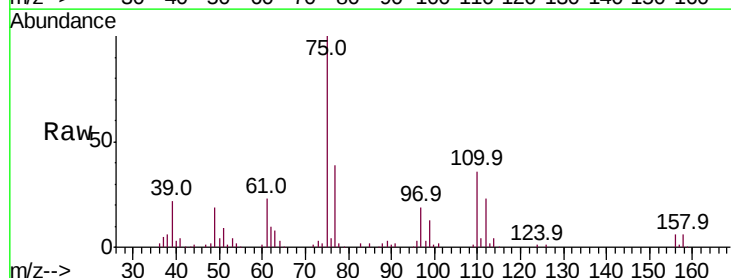
RT: 12.55 min Scan# 3351

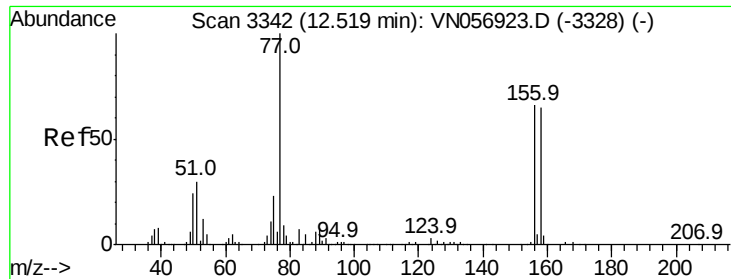
Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion:	75	Resp:	96052
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.272 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

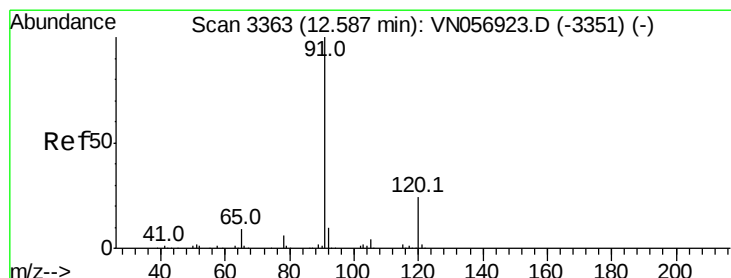
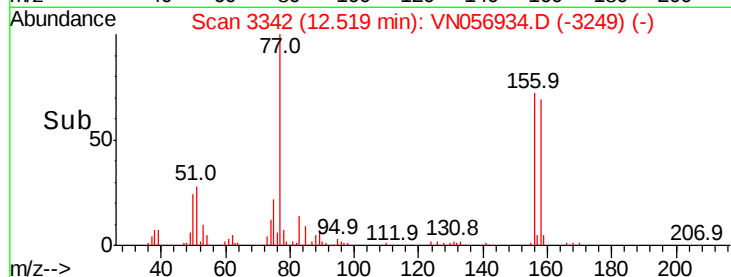
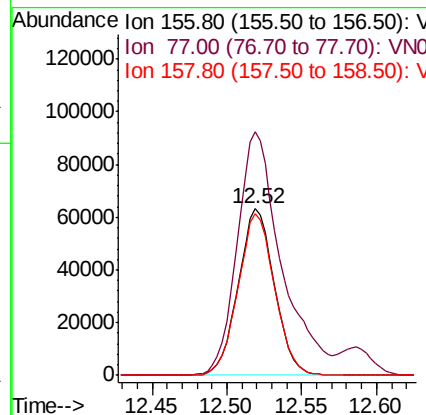
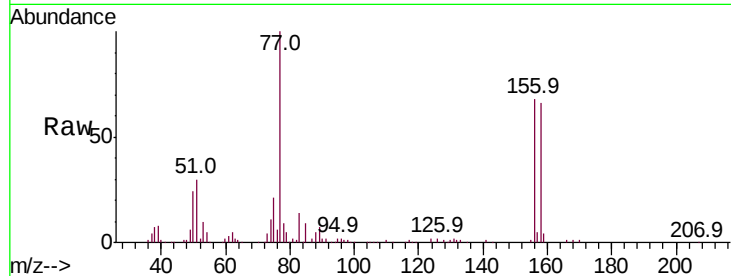
ClientSampleId :

VN0726WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.9	90.8	272.3
158	97.8	49.5	148.5

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#78

n-propylbenzene

Concen: 20.422 ug/l

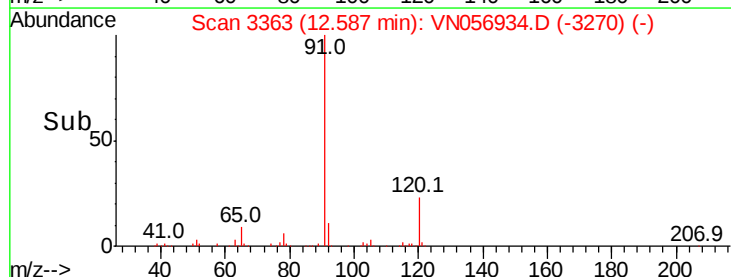
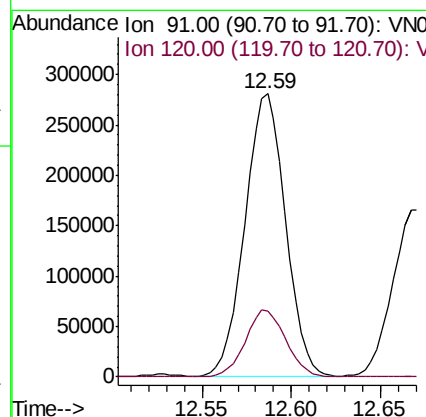
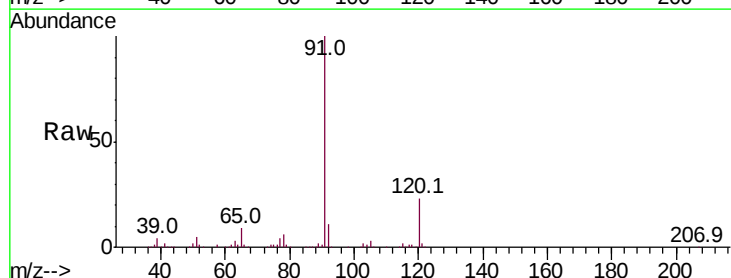
RT: 12.59 min Scan# 3363

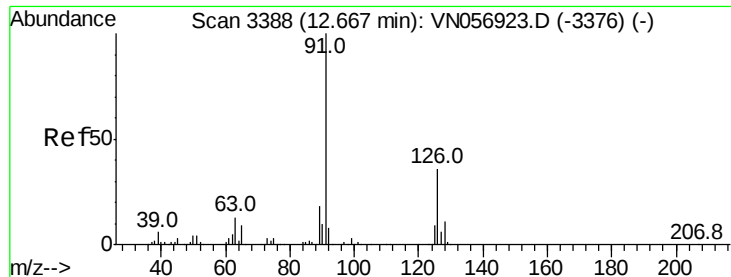
Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.7





#79

2-Chlorotoluene

Concen: 21.388 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion: 91 Resp: 272929

Ion Ratio Lower Upper

91 100

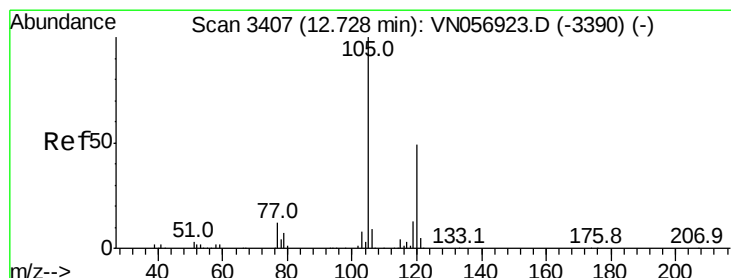
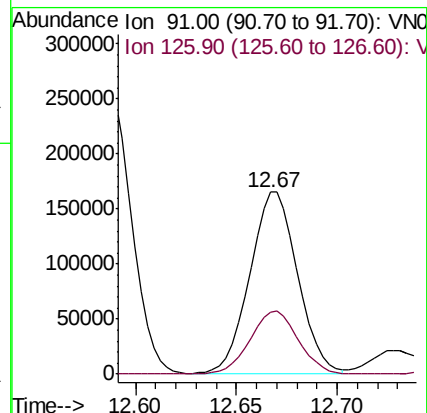
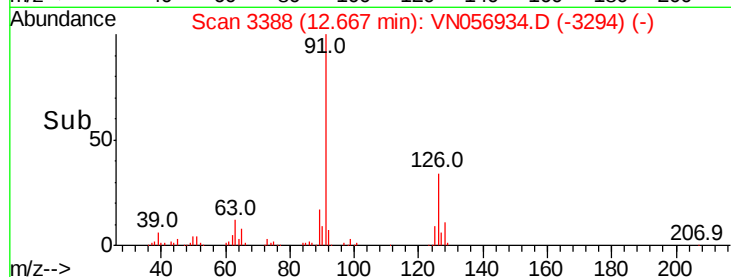
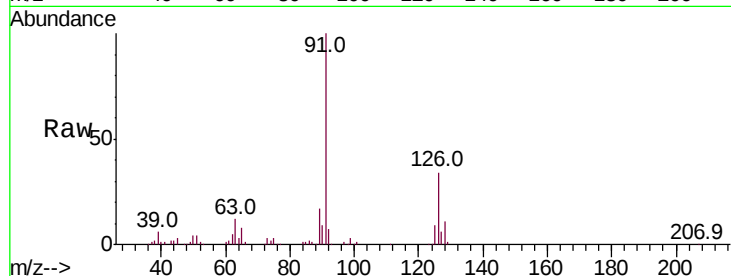
126 35.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.723 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056934.D

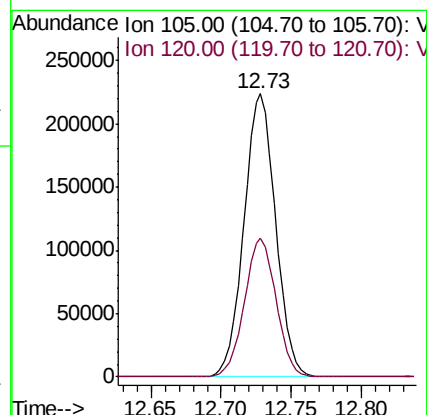
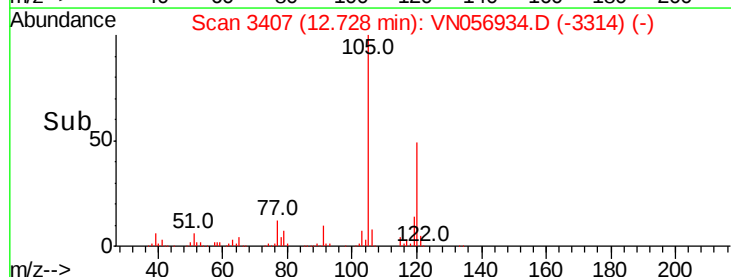
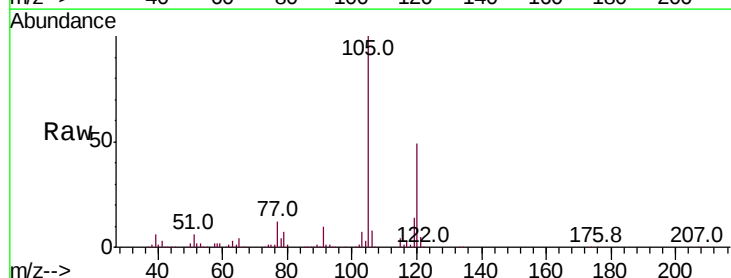
Acq: 25 Jul 2019 21:14

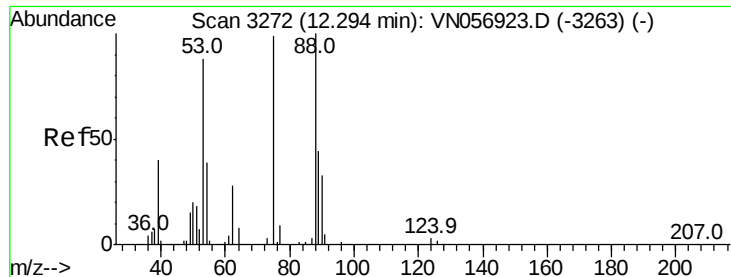
Tgt Ion: 105 Resp: 351768

Ion Ratio Lower Upper

105 100

120 48.9 24.9 74.7





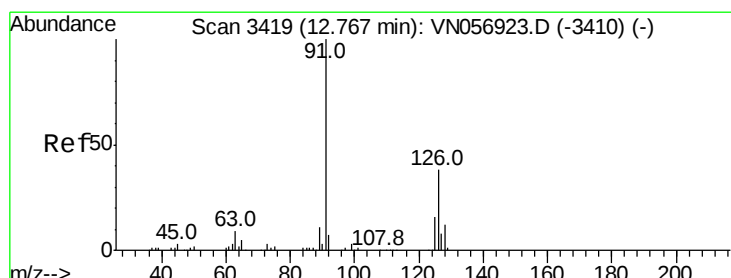
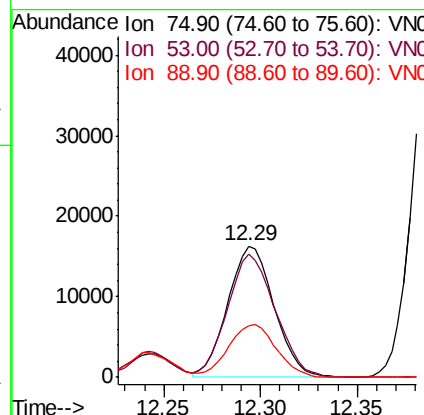
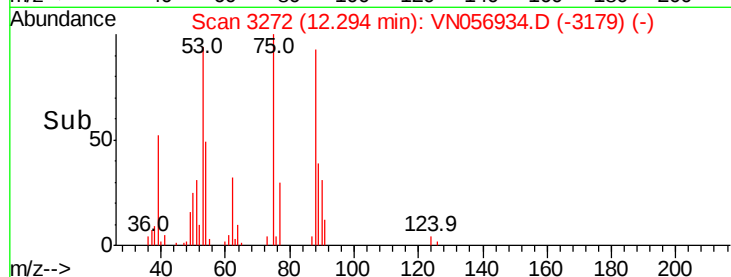
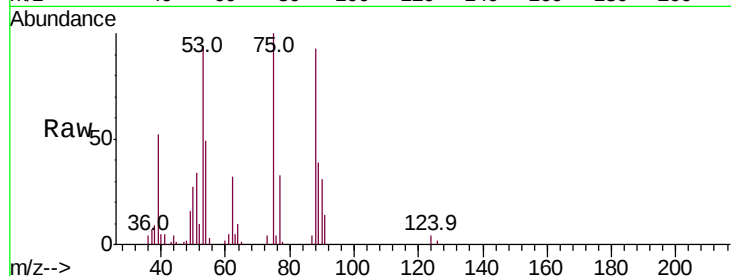
#81
trans-1,4-Dichloro-2-butene
Concen: 18.994 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	72.3	108.5
89	41.7	36.2	54.2

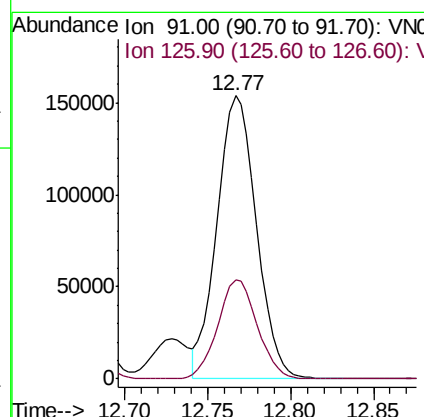
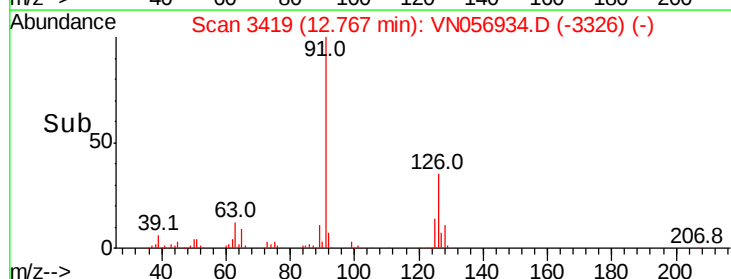
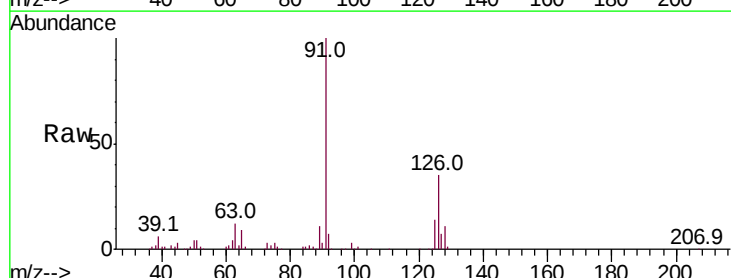
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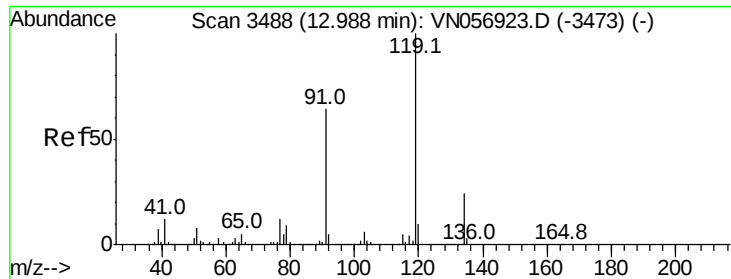
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.400 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.3	51.7





#83

tert-Butylbenzene

Concen: 21.720 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

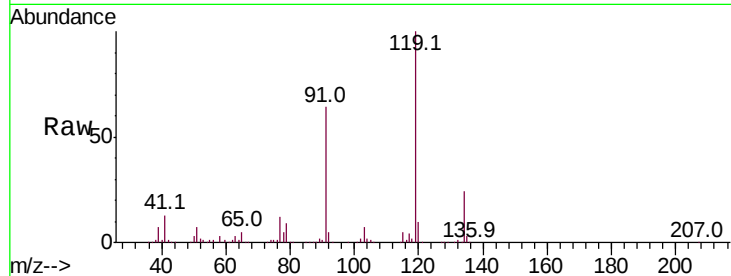
ClientSampleId :

VN0726WBS01

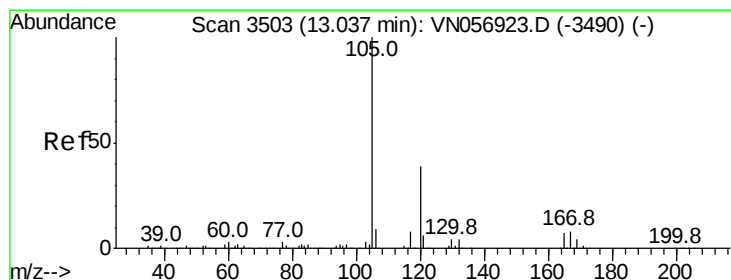
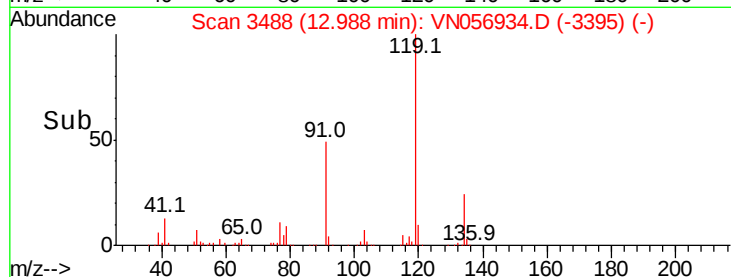
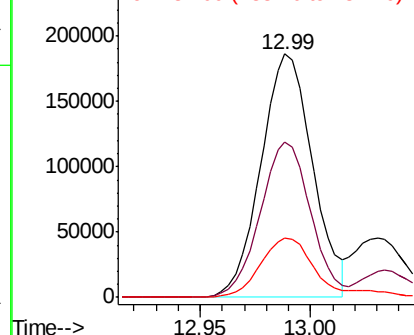
Tot Ion:	119	Resp:	303300
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.6	95.0
134	24.4	13.2	39.5

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Abundance Ion 119.00 (118.70 to 119.70): V
250000
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.127 ug/l

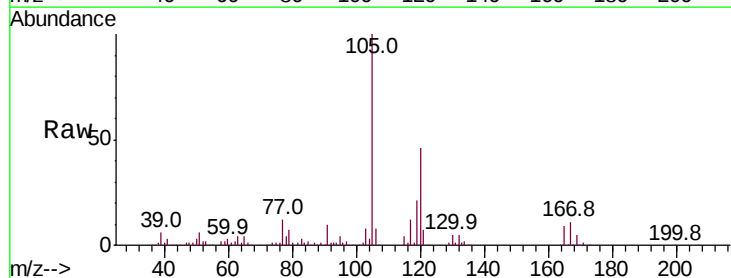
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

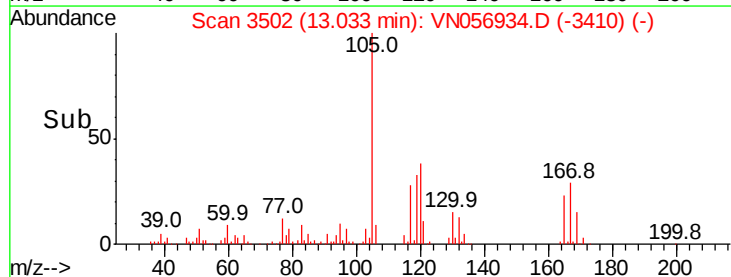
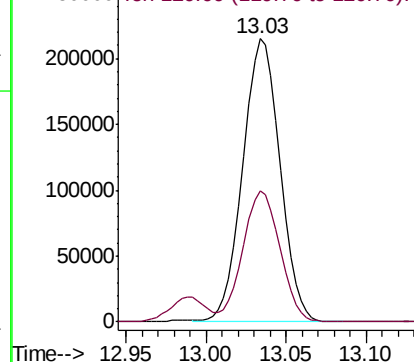
Lab File: VN056934.D

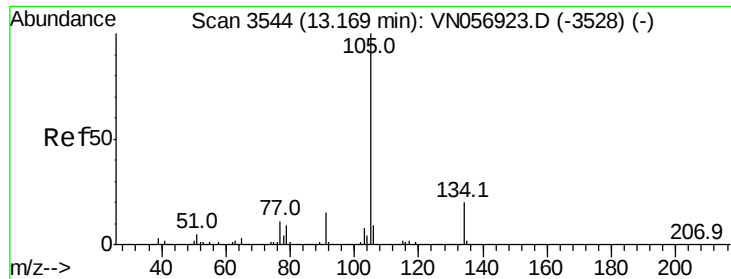
Acq: 25 Jul 2019 21:14

Tgt Ion:	105	Resp:	339606
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V
250000
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.442 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBS01

Tot Ion:105 Resp: 386601

Ion Ratio Lower Upper

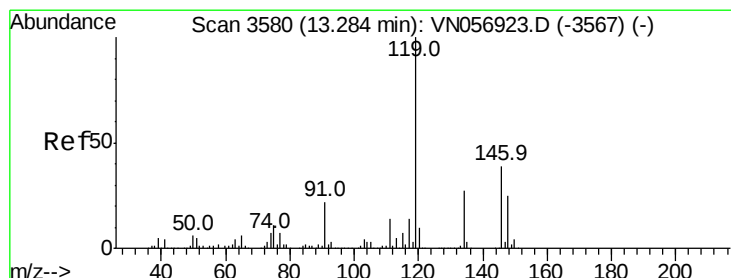
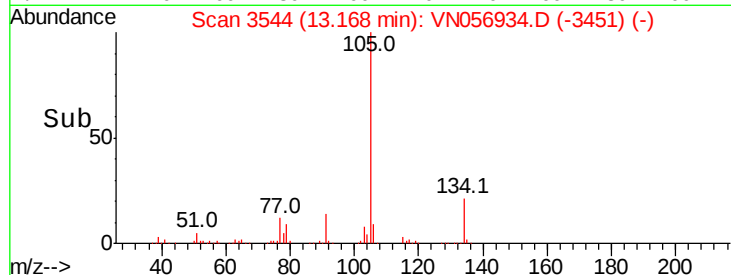
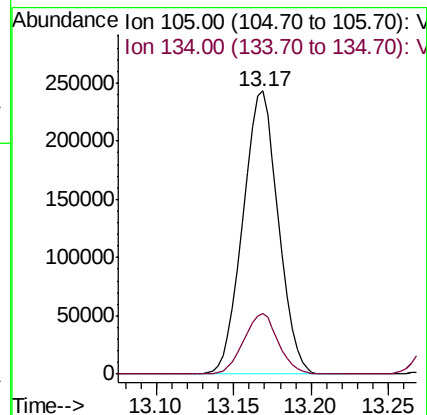
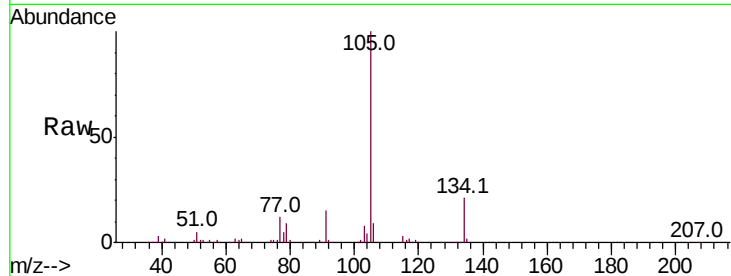
105 100

134 20.8 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.491 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

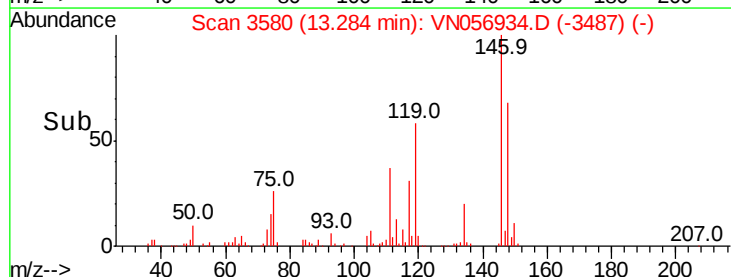
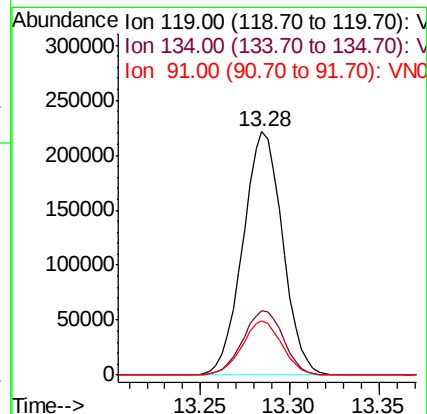
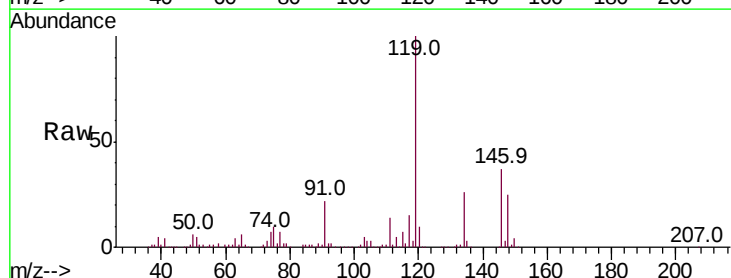
Tgt Ion:119 Resp: 342446

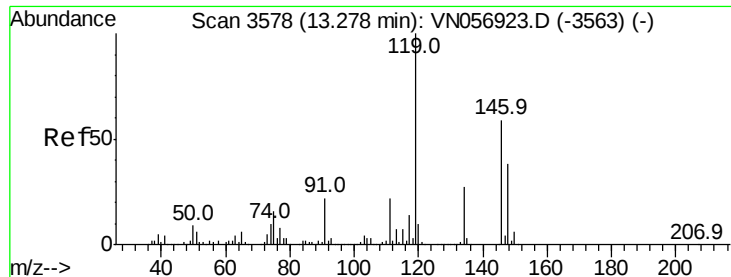
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 22.2 11.0 33.0





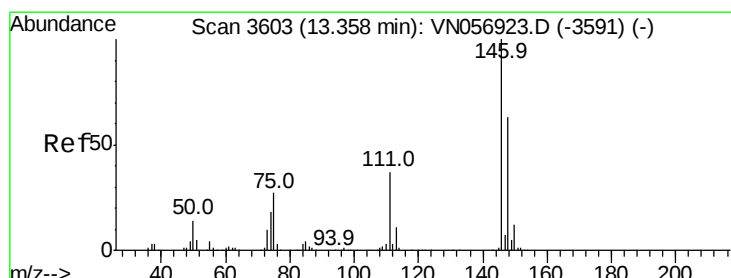
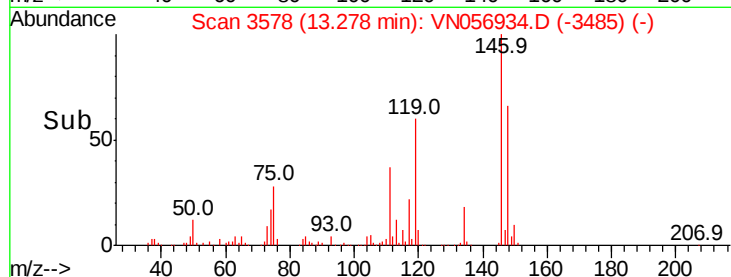
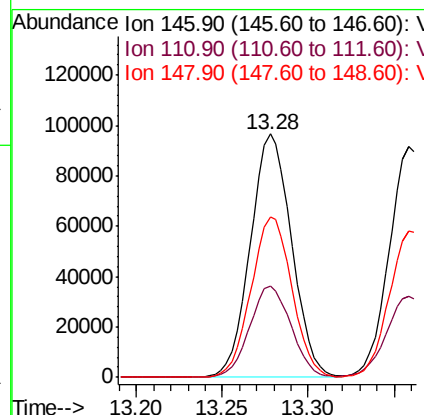
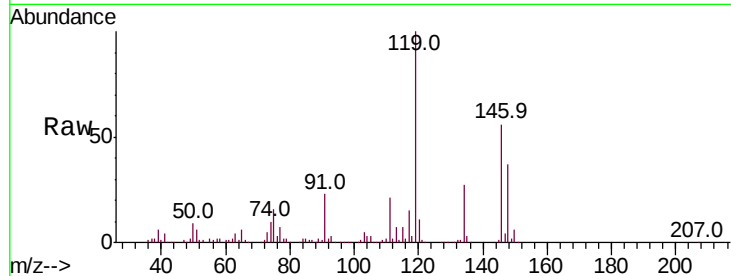
#87
 1,3-Dichlorobenzene
 Concen: 20.473 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	65.4	31.6	94.7

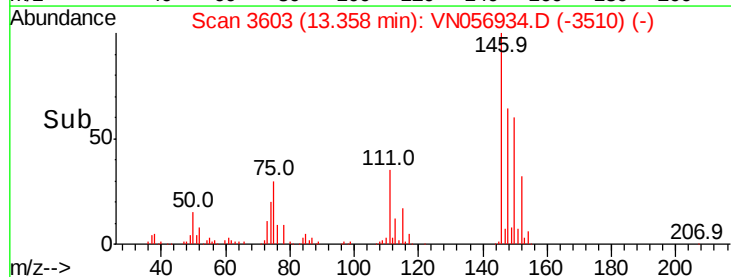
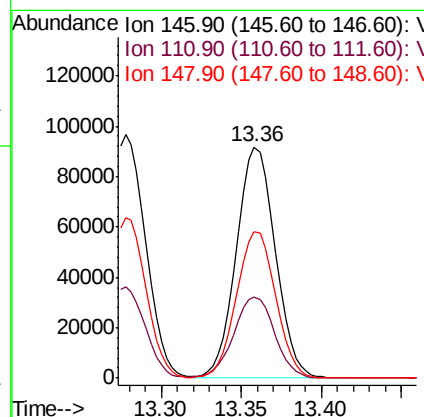
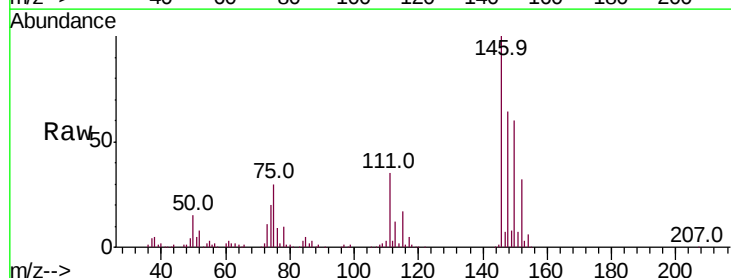
Manual Integrations
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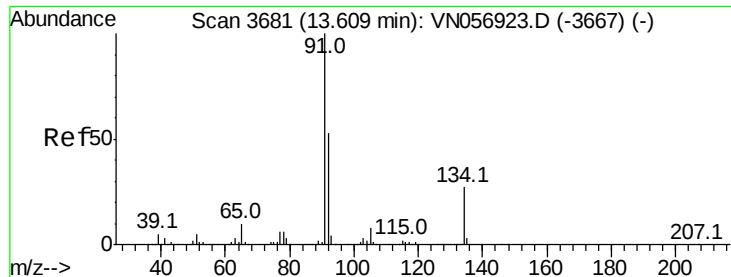
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#88
 1,4-Dichlorobenzene
 Concen: 20.237 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	63.9	32.1	96.3





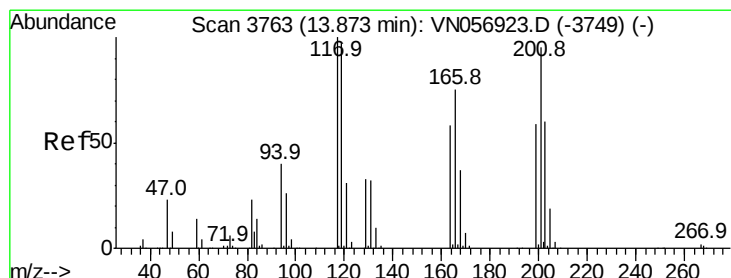
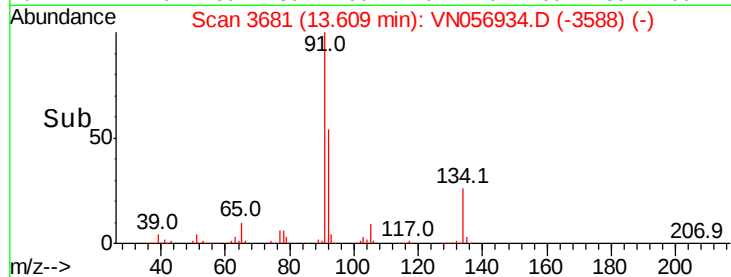
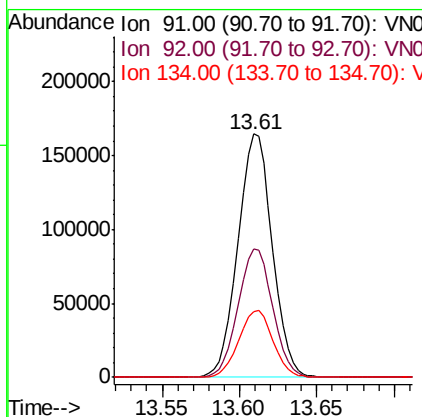
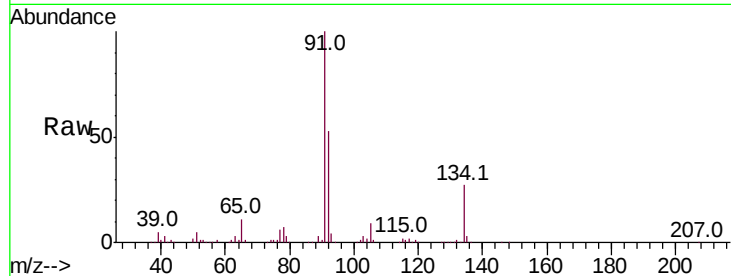
#89
n-Butylbenzene
Concen: 19.670 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	27.5	13.5	40.5

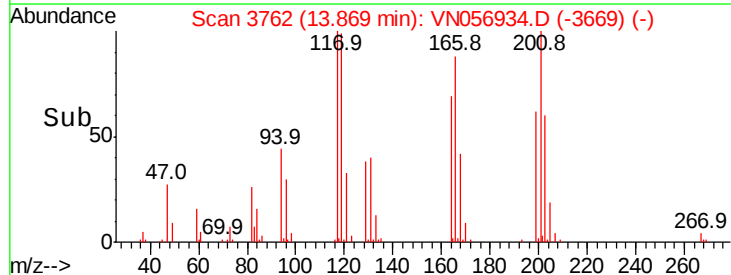
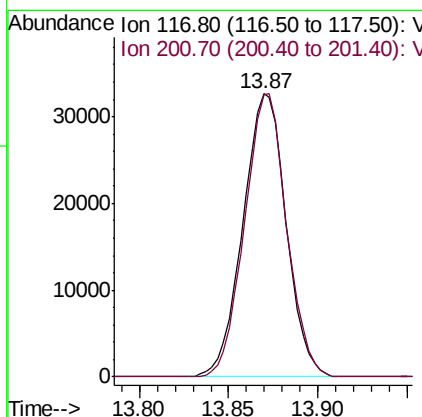
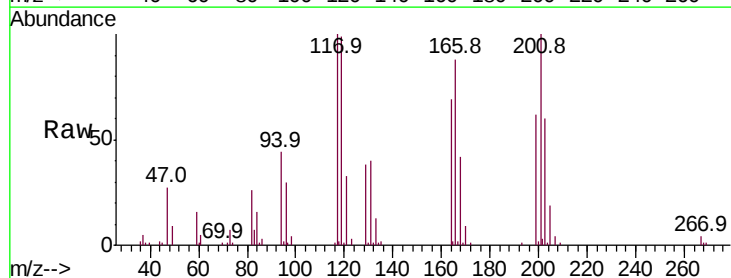
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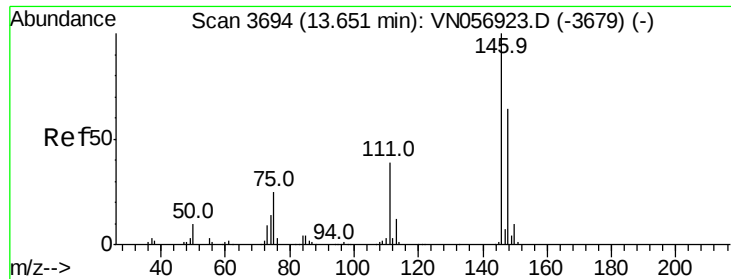
MMDadoda
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#90
Hexachloroethane
Concen: 20.132 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	47.3	142.0





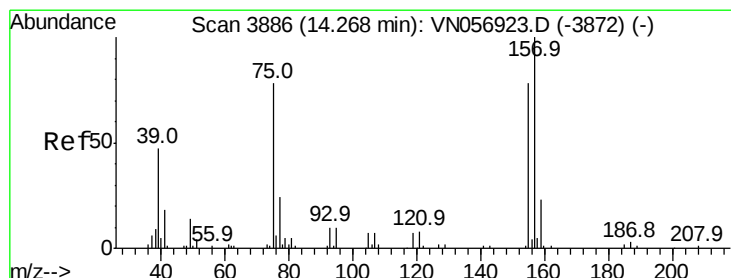
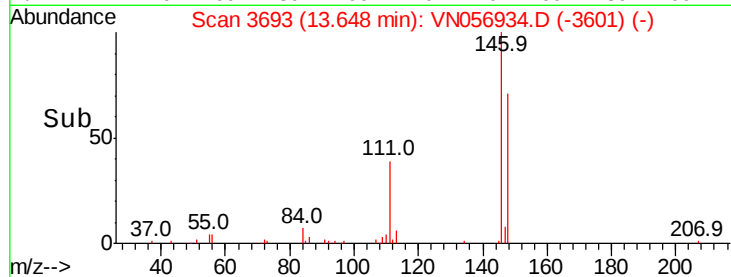
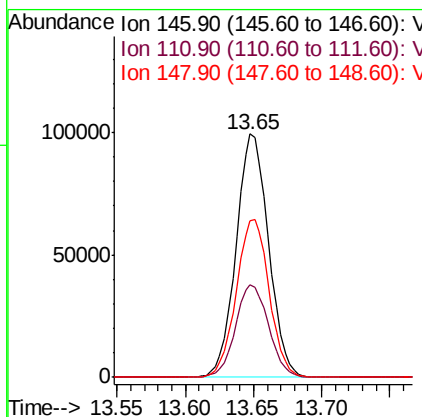
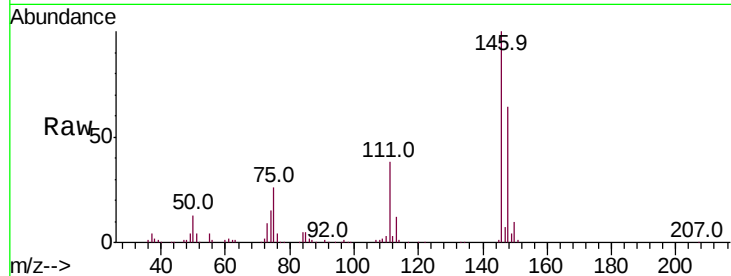
#91
 1,2-Dichlorobenzene
 Concen: 20.607 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	65.7	32.2	96.6

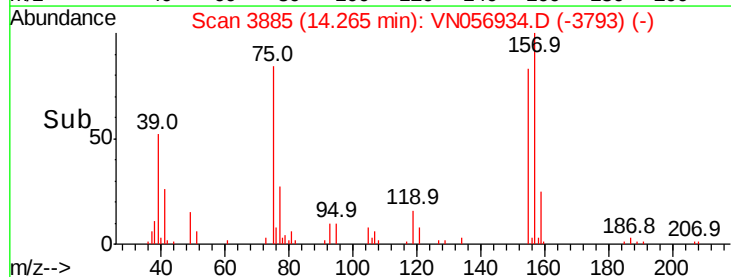
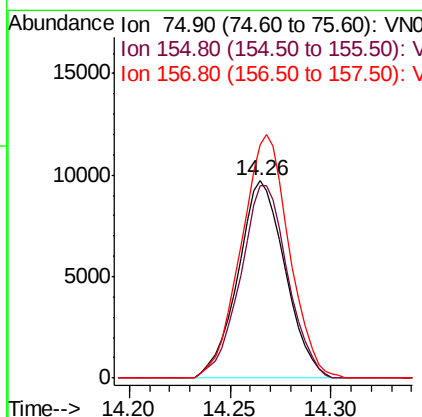
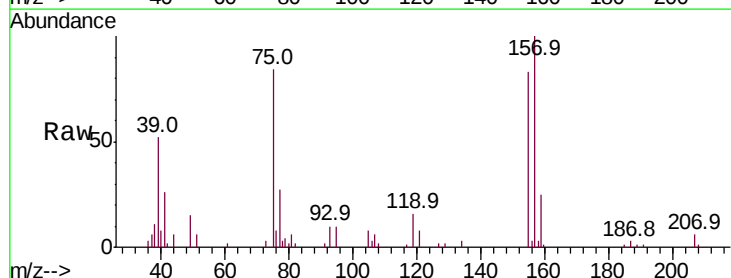
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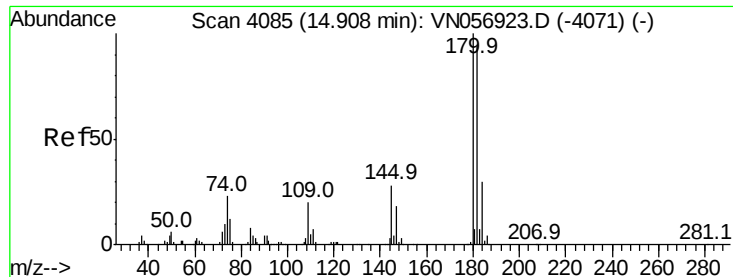
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.730 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056934.D
 Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	47.3	141.9
157	125.4	63.0	189.0





#93

1,2,4-Trichlorobenzene

Concen: 17.507 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Instrument :

MSVOA_N

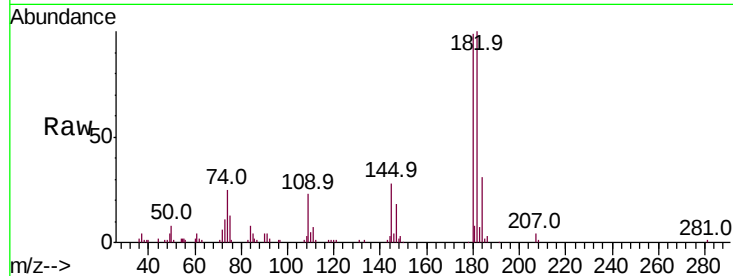
ClientSampleId :

VN0726WBS01

Tot Ion:	180	Resp:	60329
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.9	143.8
145	27.4	14.1	42.4

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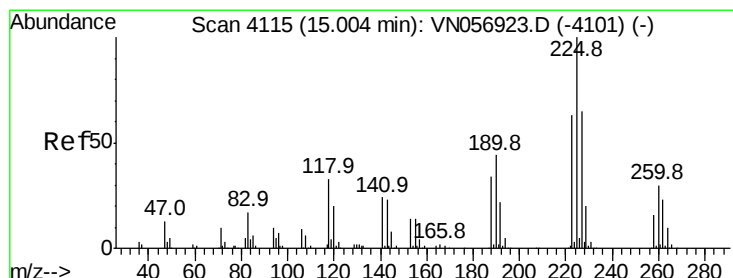
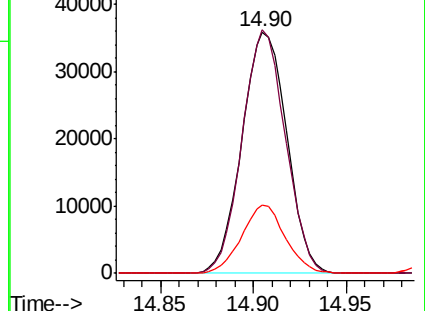
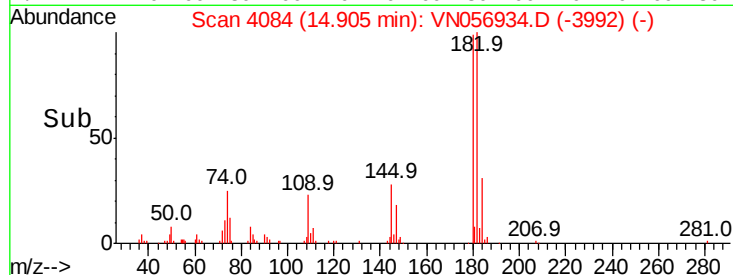


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.825 ug/l

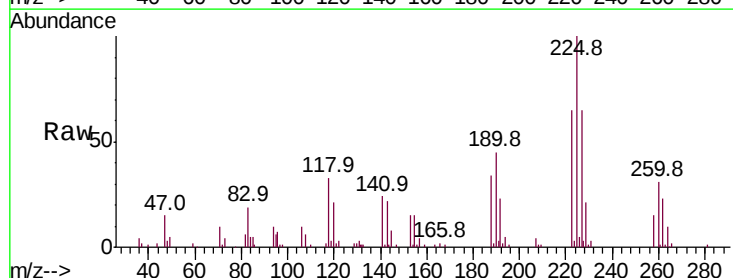
RT: 15.00 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VN056934.D

Acq: 25 Jul 2019 21:14

Tgt Ion:	225	Resp:	61587
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.3	93.9
227	63.2	31.9	95.7

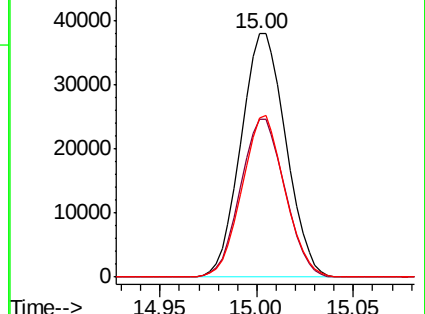
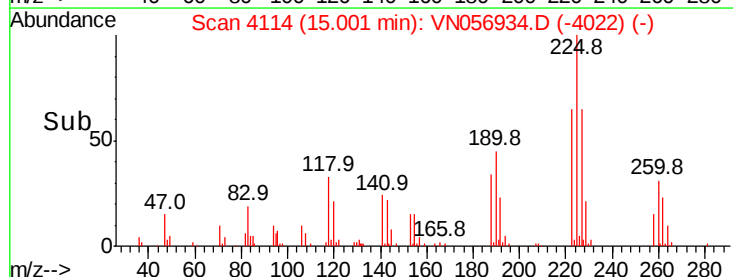


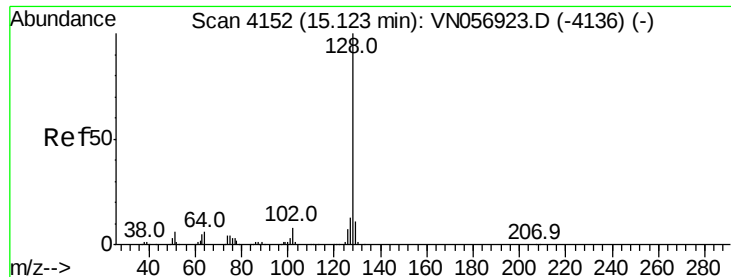
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





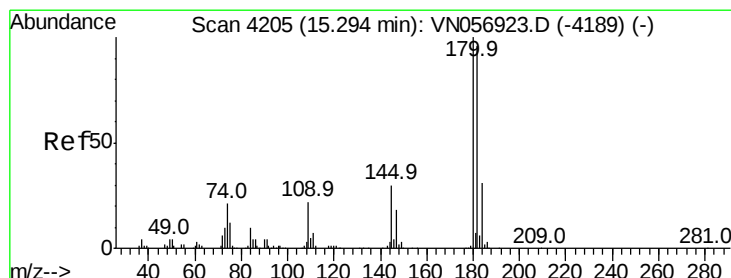
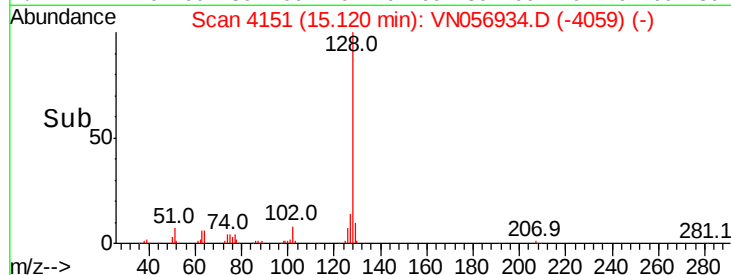
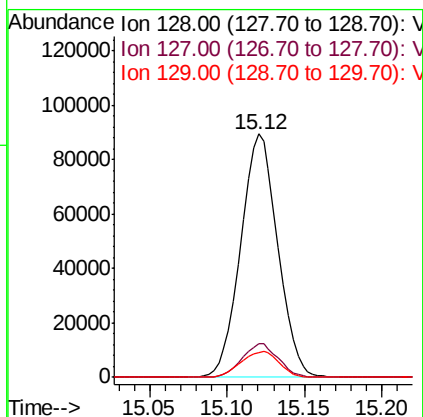
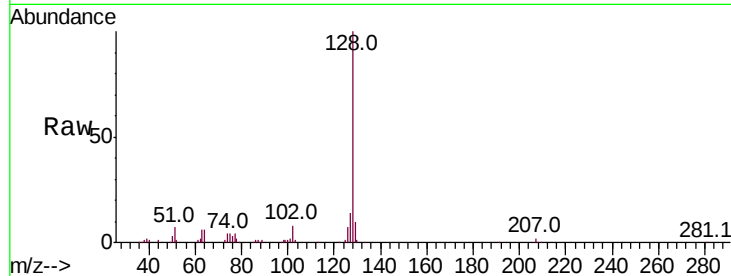
#95
Naphthalene
Concen: 17.362 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	11.1	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 18.199 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN056934.D
Acq: 25 Jul 2019 21:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.3
145	29.9	15.1	45.3

