

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056142.D
 Acq On : 8 Jun 2019 10:22
 Operator : JC/SP
 Sample : VN0608WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:28 AM

Quant Time: Jun 10 02:18:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	273857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	423663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	372420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150583	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	146711	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	129916	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.09	98	495595	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	162550	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	61765	20.739	ug/l	98
3) Chloromethane	2.06	50	67965	22.894	ug/l	99
4) Vinyl Chloride	2.18	62	65582	22.024	ug/l	99
5) Bromomethane	2.54	94	39258	20.870	ug/l	100
6) Chloroethane	2.69	64	37216	21.555	ug/l	99
7) Trichlorofluoromethane	3.01	101	79314	20.864	ug/l	100
8) Diethyl Ether	3.40	74	32085	20.524	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	47622	20.622	ug/l	99
10) Methyl Iodide	3.94	142	71883	19.588	ug/l	99
11) Tert butyl alcohol	4.82	59	45855	96.905	ug/l	98
12) 1,1-Dichloroethene	3.72	96	47874	20.824	ug/l	98
13) Acrolein	3.61	56	10127	74.205	ug/l	98
14) Allyl chloride	4.31	41	68451	18.856	ug/l	97
15) Acrylonitrile	4.99	53	137461	119.335	ug/l	100
16) Acetone	3.82	43	113596	87.348	ug/l	98
17) Carbon Disulfide	4.04	76	93026	16.900	ug/l	98
18) Methyl Acetate	4.32	43	65648	25.414	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	157603	21.507	ug/l	98
20) Methylene Chloride	4.55	84	58523	21.842	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	51378	20.858	ug/l	97
22) Diisopropyl ether	5.95	45	163417	21.777	ug/l	99
23) Vinyl Acetate	5.90	43	605273	102.422	ug/l	99
24) 1,1-Dichloroethane	5.84	63	93622	21.628	ug/l	98
25) 2-Butanone	6.84	43	177725	108.162	ug/l	100
26) 2,2-Dichloropropane	6.82	77	30390	8.997	ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	62233	21.493	ug/l	92
28) Bromochloromethane	7.19	49	45982	22.463	ug/l	99
29) Tetrahydrofuran	7.22	42	119991	118.138	ug/l	100
30) Chloroform	7.37	83	94658	21.738	ug/l	98
31) Cyclohexane	7.65	56	86030	19.939	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	73443	20.197	ug/l	99
36) 1,1-Dichloropropene	7.79	75	67252	18.461	ug/l	99
37) Ethyl Acetate	6.93	43	70490	21.747	ug/l	99
38) Carbon Tetrachloride	7.77	117	62127	18.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	78692	17.341	ug/l	99
40) Benzene	8.04	78	226347	20.457	ug/l	99
41) Methacrylonitrile	7.18	41	33026	22.146	ug/l	96
42) 1,2-Dichloroethane	8.12	62	73052	20.526	ug/l	99
43) Isopropyl Acetate	8.17	43	104315	19.860	ug/l	97
44) Trichloroethene	8.83	130	64194	20.191	ug/l	97
45) 1,2-Dichloropropane	9.12	63	58879	20.776	ug/l	99
46) Dibromomethane	9.21	93	37532	20.252	ug/l	96
47) Bromodichloromethane	9.40	83	63874	19.017	ug/l	100
48) Methyl methacrylate	9.20	41	53742	20.914	ug/l	97
49) 1,4-Dioxane	9.20	88	23283	419.699	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	346777	105.576	ug/l	98
52) Toluene	10.16	92	138497	20.116	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	55224	15.749	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	70245	17.399	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	56080	20.563	ug/l	98
56) Ethyl methacrylate	10.43	69	80358	20.197	ug/l	99
57) 1,3-Dichloropropane	10.71	76	91682	20.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	138890	97.680	ug/l	99
59) 2-Hexanone	10.75	43	248206	104.261	ug/l	99
60) Dibromochloromethane	10.90	129	48843	17.894	ug/l	100
61) 1,2-Dibromoethane	11.00	107	57369	20.577	ug/l	97
64) Tetrachloroethene	10.63	164	70730	21.941	ug/l	98
65) Chlorobenzene	11.43	112	147977	19.965	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	50350	19.674	ug/l	99
67) Ethyl Benzene	11.51	91	253178	19.644	ug/l	99
68) m/p-Xylenes	11.62	106	194570	39.519	ug/l	99
69) o-Xylene	11.95	106	98798	20.400	ug/l	96
70) Styrene	11.96	104	155737	20.239	ug/l	99
71) Bromoform	12.13	173	32930	17.228	ug/l #	100
73) Isopropylbenzene	12.25	105	252458	22.174	ug/l	99
74) N-amyl acetate	12.07	43	85280	21.246	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	76836	21.980	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	66073m	23.846	ug/l	
77) Bromobenzene	12.53	156	70168	21.765	ug/l	91
78) n-propylbenzene	12.59	91	255743	20.075	ug/l	99
79) 2-Chlorotoluene	12.67	91	164008	21.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	203410	20.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	11672	14.028	ug/l #	76
82) 4-Chlorotoluene	12.77	91	151011	20.262	ug/l	99
83) tert-Butylbenzene	12.99	119	185539	22.096	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	197965	20.619	ug/l	99
85) sec-Butylbenzene	13.17	105	227289	20.147	ug/l	99
86) p-Isopropyltoluene	13.29	119	198955	19.705	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	101034	20.248	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	95588	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	131257	17.549	ug/l	99
90) Hexachloroethane	13.87	117	27642	18.153	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	105407	20.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9397	18.794	ug/l	87

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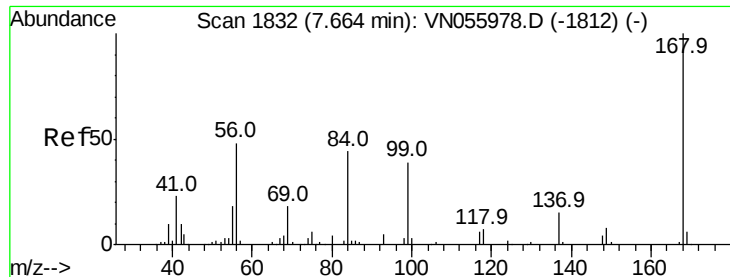
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37529	16.634	ug/l	98
94) Hexachlorobutadiene	15.01	225	36811	20.056	ug/l	99
95) Naphthalene	15.13	128	107545	17.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44765	17.895	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion:168 Resp: 273857

Ion Ratio Lower Upper

168 100

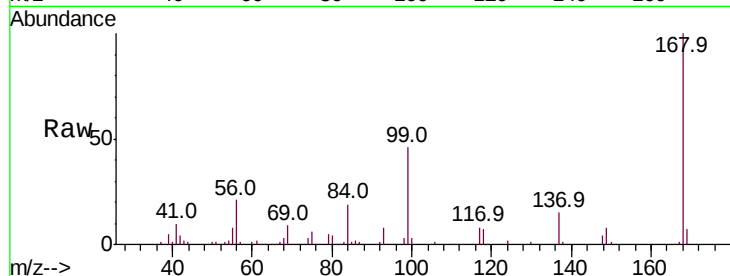
99 45.8 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

60000

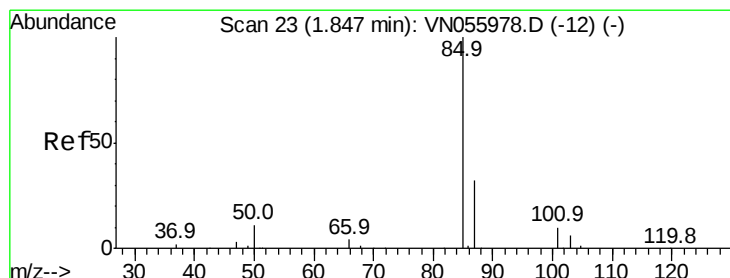
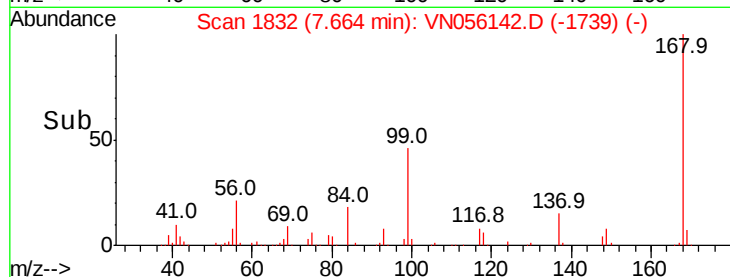
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.739 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056142.D

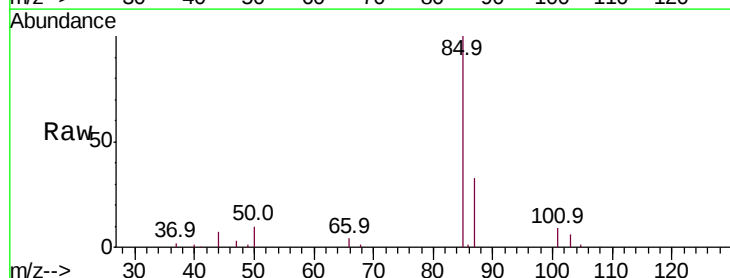
Acq: 8 Jun 2019 10:22

Tgt Ion: 85 Resp: 61765

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

30000

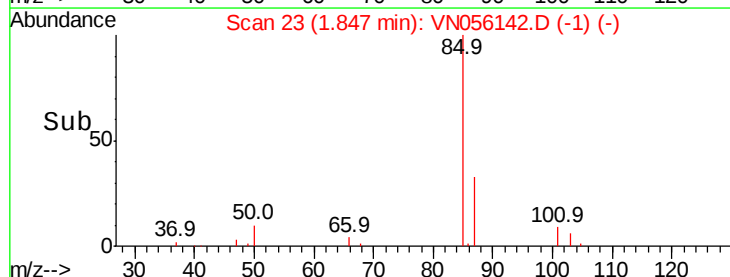
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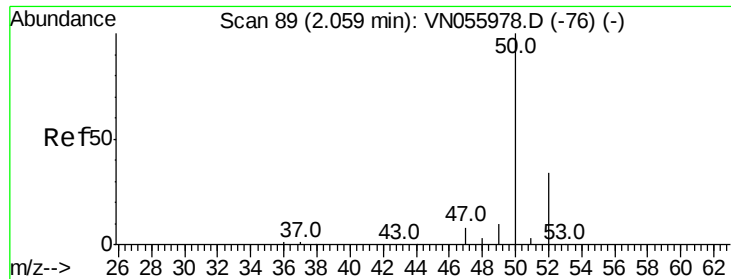
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.894 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS04

Tot Ion: 50 Resp: 67965

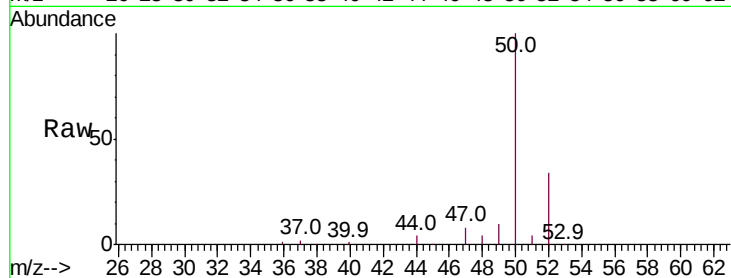
Ion Ratio Lower Upper

50 100

52 33.6 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

40000

30000

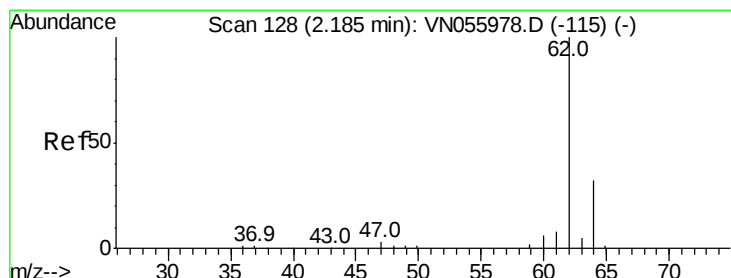
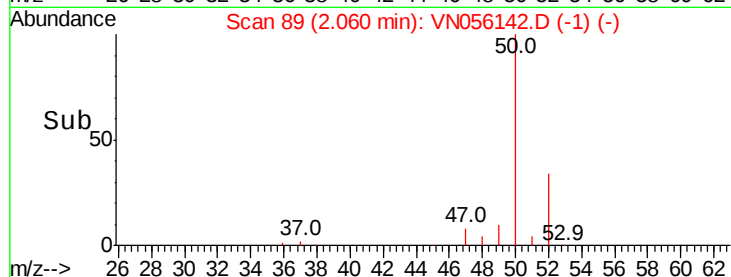
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 22.024 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056142.D

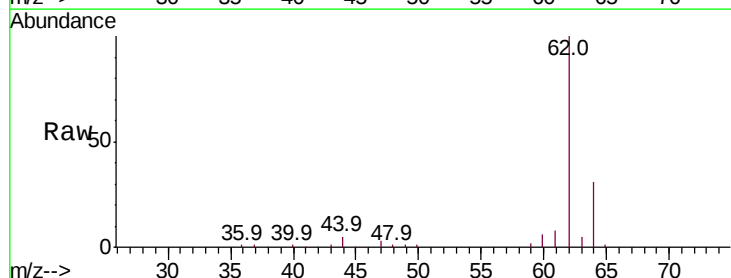
Acq: 8 Jun 2019 10:22

Tgt Ion: 62 Resp: 65582

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

40000

30000

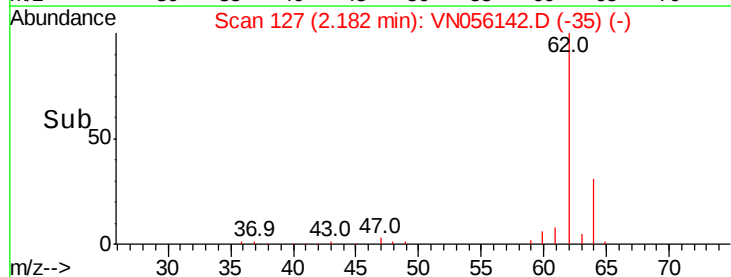
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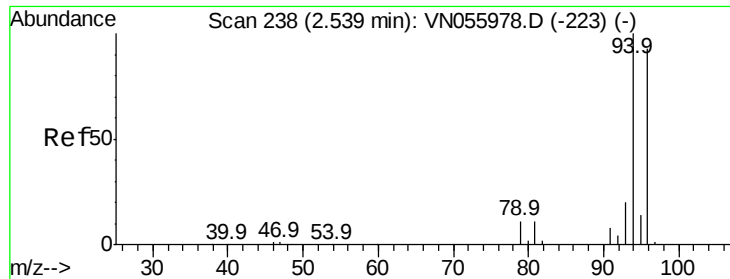
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Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.870 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

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VN0608WBS04

Tot Ion: 94 Resp: 39258

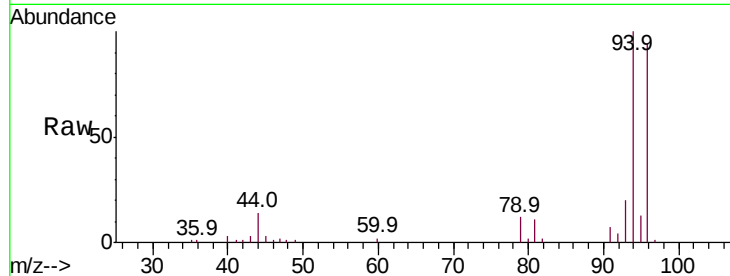
Ion Ratio Lower Upper

94 100

96 94.1 75.5 113.3

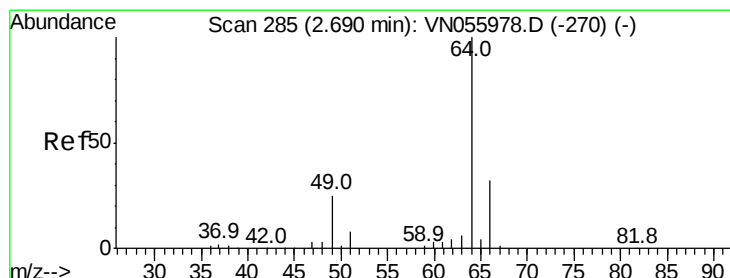
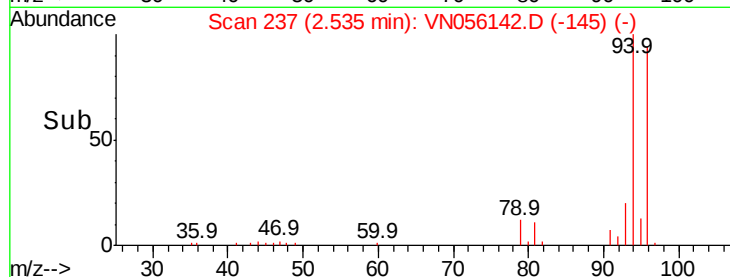
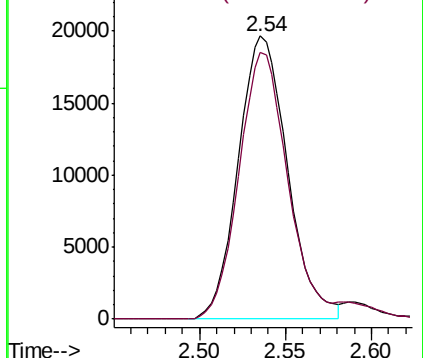
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.555 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056142.D

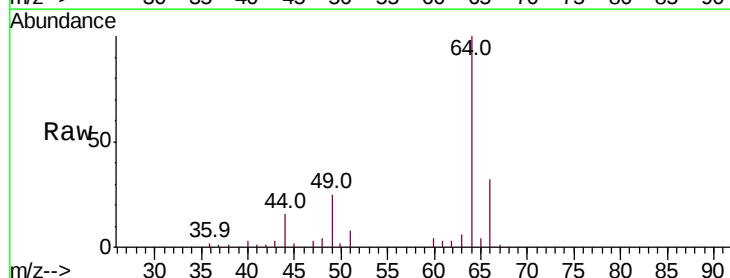
Acq: 8 Jun 2019 10:22

Tgt Ion: 64 Resp: 37216

Ion Ratio Lower Upper

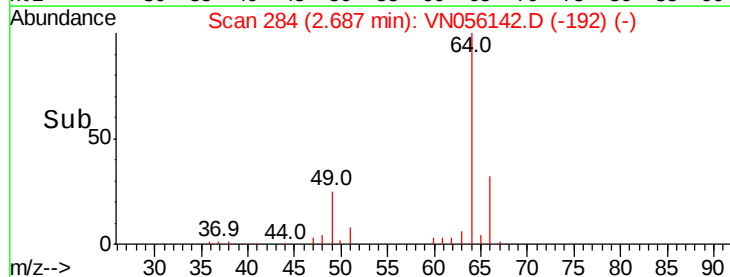
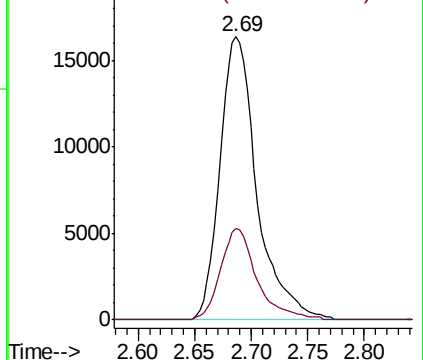
64 100

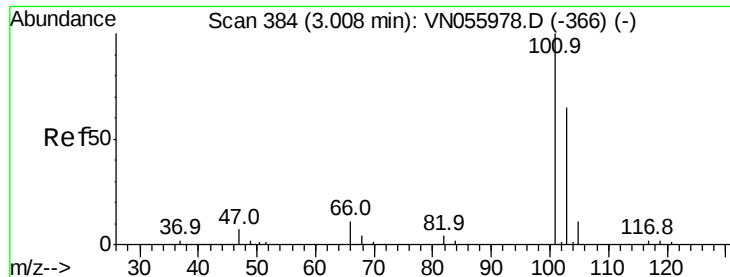
66 32.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

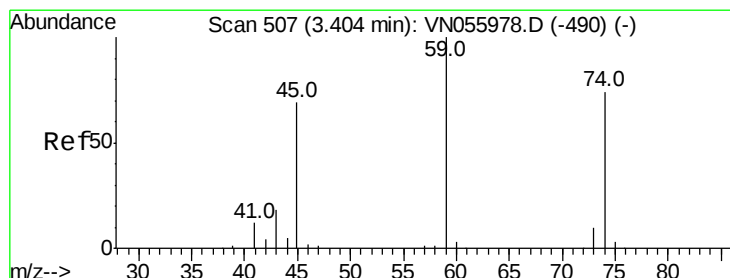
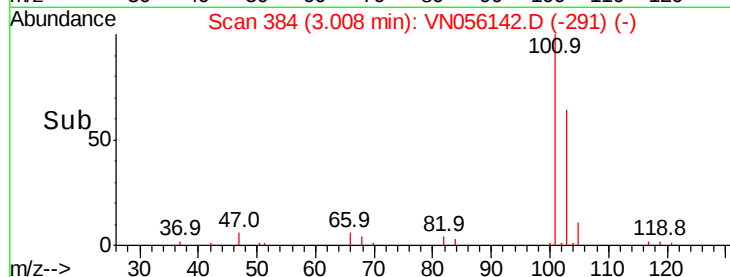
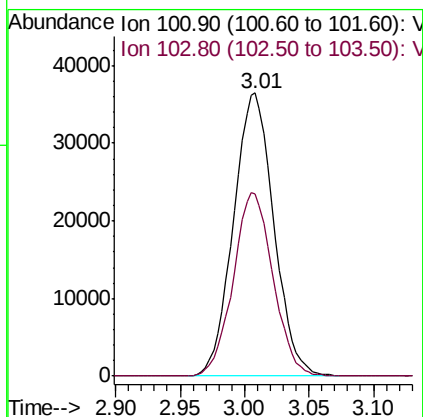
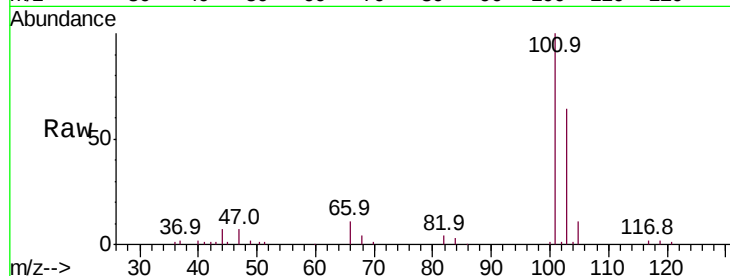
Trichlorofluoromethane
 Concen: 20.864 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

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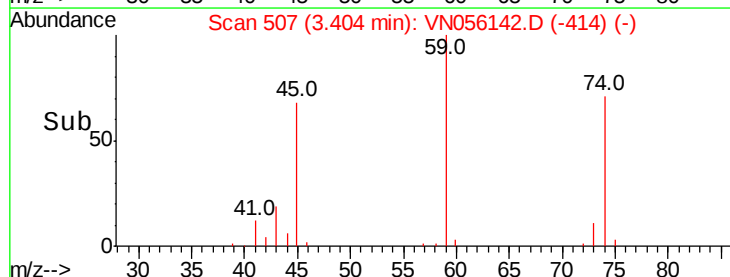
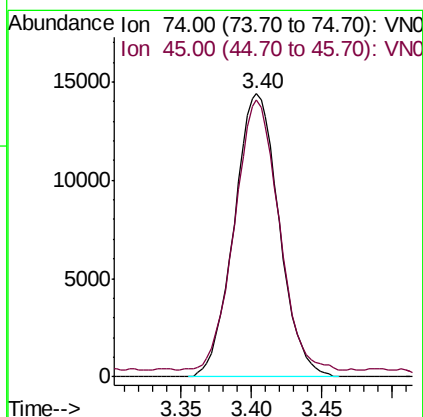
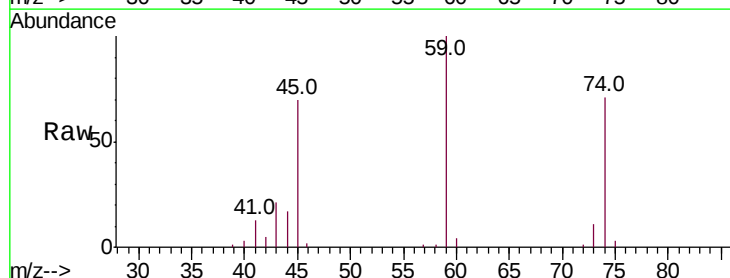
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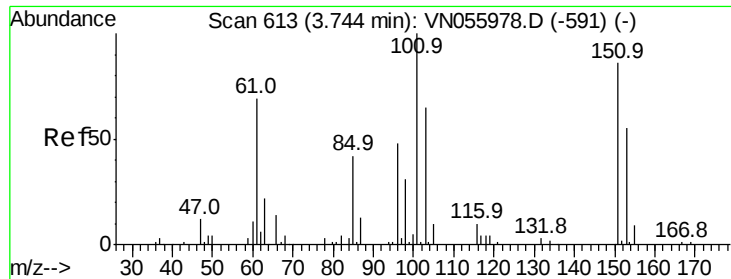


#8

Diethyl Ether
 Concen: 20.524 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.622 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

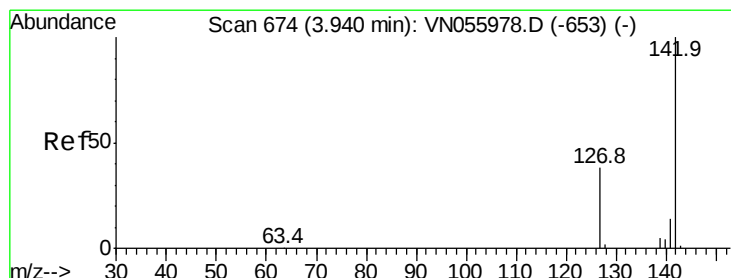
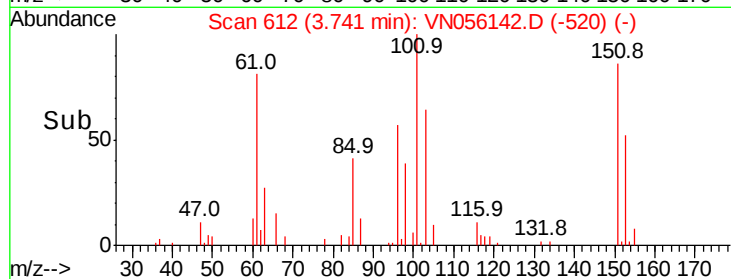
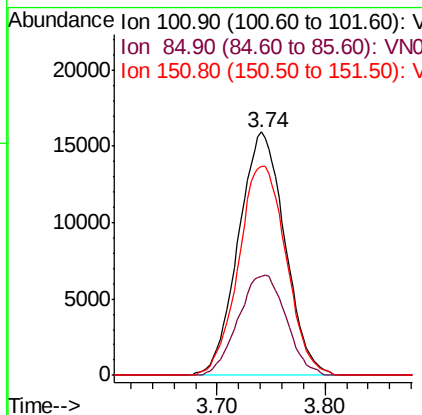
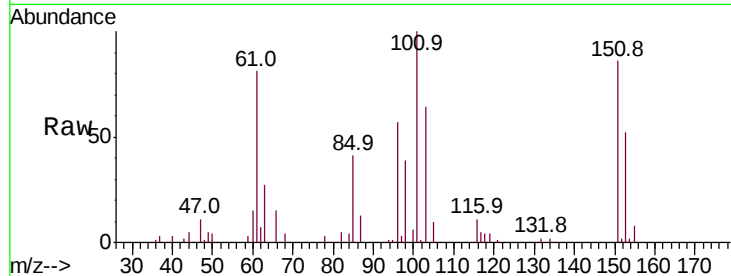
ClientSampleId :

VN0608WBS04

Tot Ion:	101	Resp:	47622
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.4	50.2
151	88.0	69.4	104.2

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#10

Methyl Iodide

Concen: 19.588 ug/l

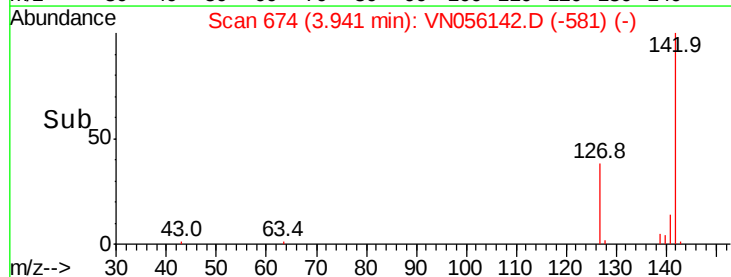
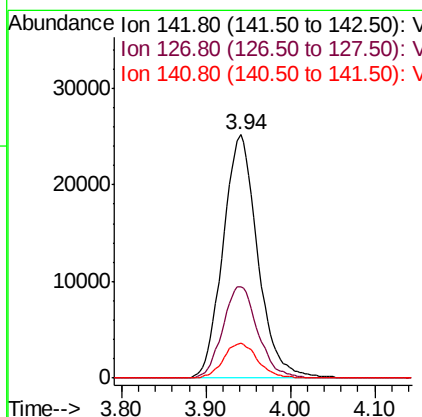
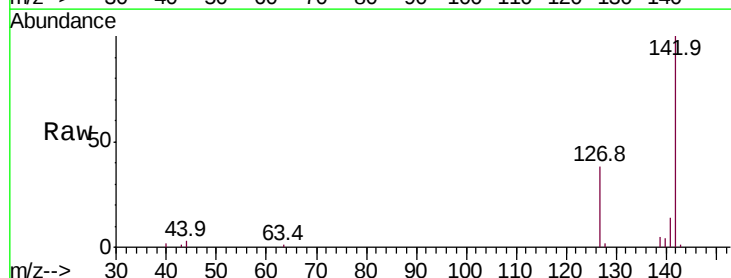
RT: 3.94 min Scan# 674

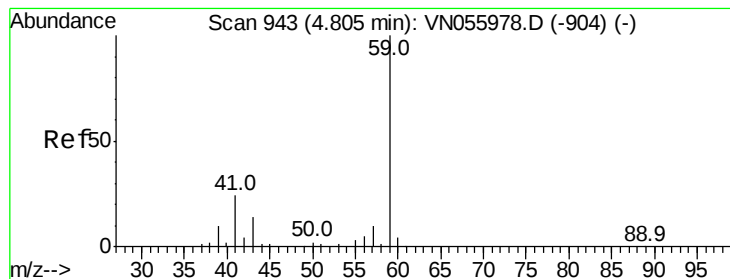
Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion:	142	Resp:	71883
Ion Ratio	Lower	Upper	
142	100		
127	37.8	31.0	46.4
141	14.1	11.4	17.0





#11

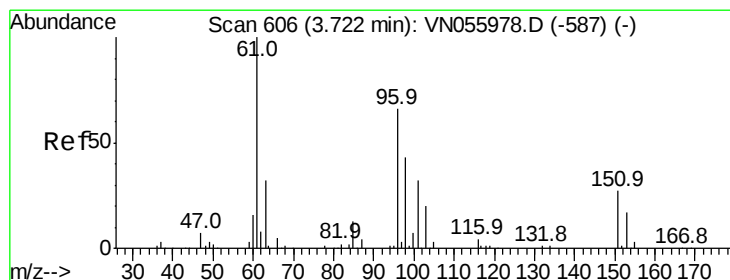
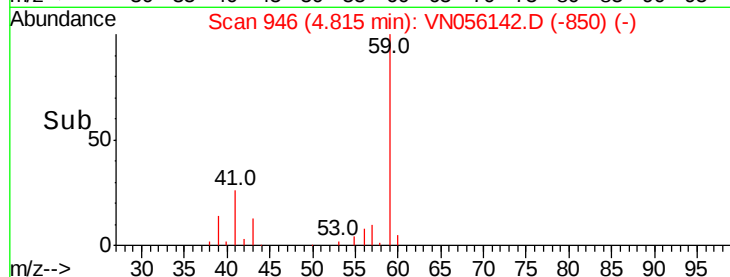
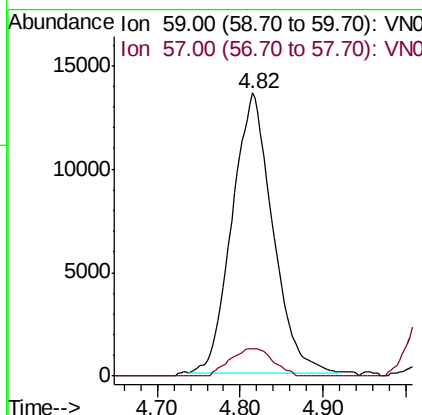
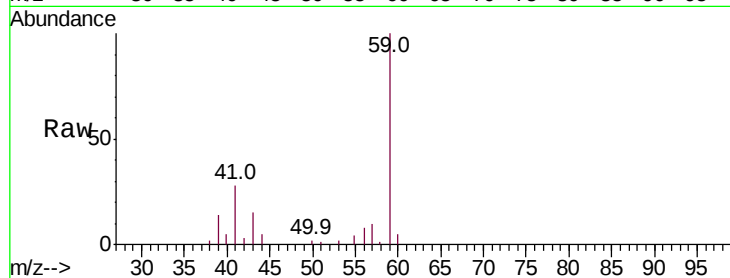
Tert butyl alcohol
 Concen: 96.905 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	59	Resp	45855
Ion Ratio	100	Lower	Upper
57	10.4	7.8	11.6

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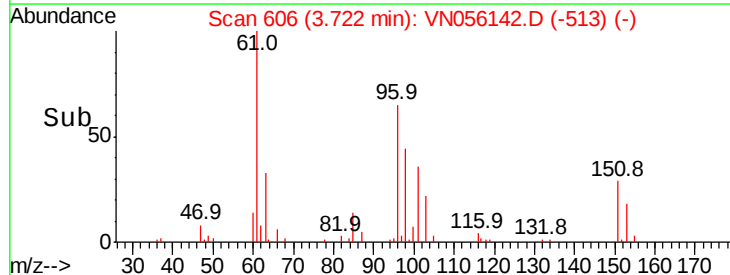
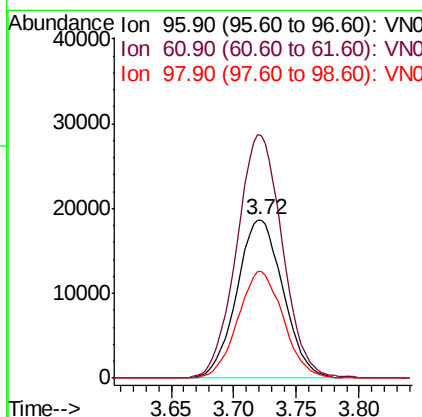
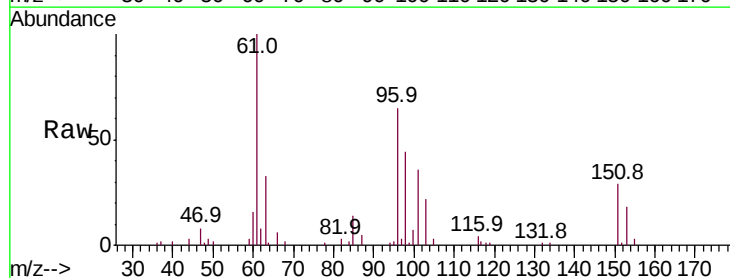
MMDadoda
 6/10/2019 11:25:28 AM

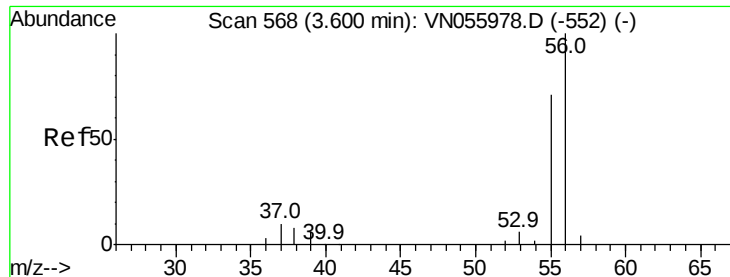


#12

1,1-Dichloroethene
 Concen: 20.824 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	96	Resp	47874
Ion Ratio	100	Lower	Upper
61	153.5	123.2	184.8
98	67.5	50.4	75.6





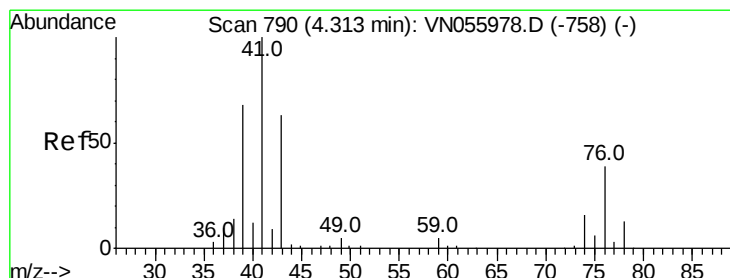
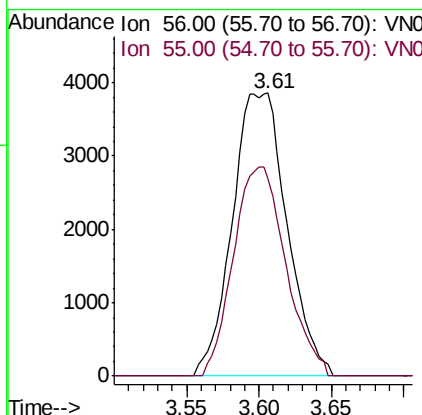
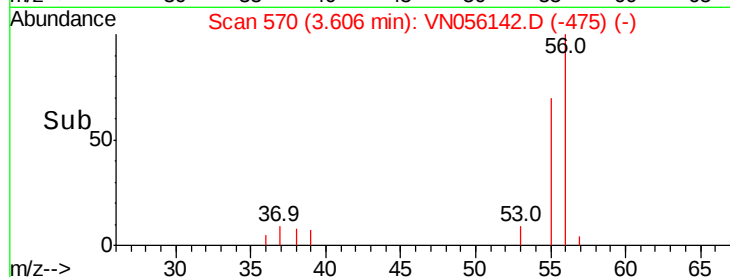
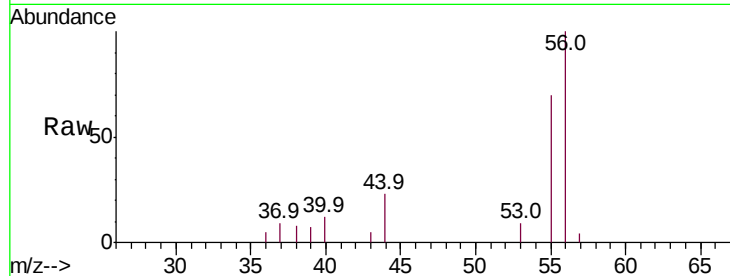
#13
Acrolein
Concen: 74.205 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion: 56 Resp: 10127
Ion Ratio Lower Upper
56 100
55 70.7 55.4 83.2

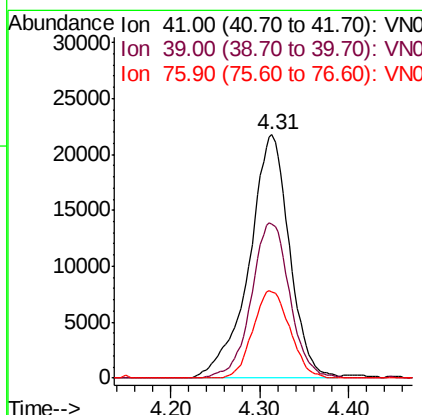
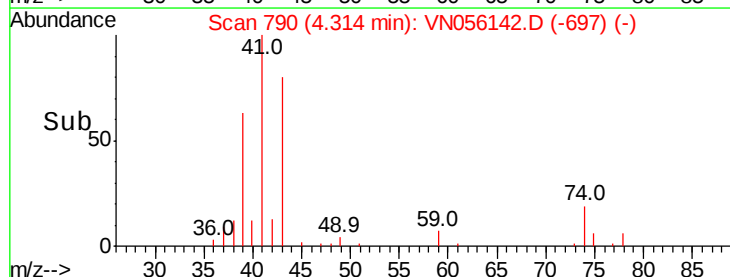
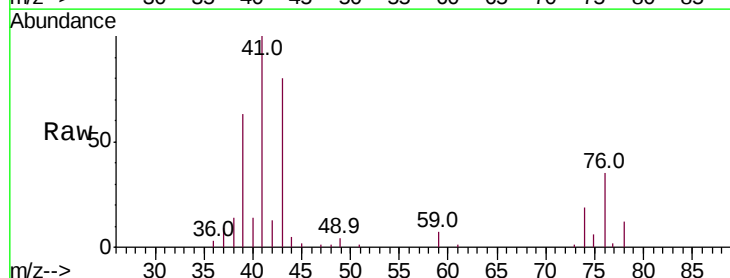
Manual Integrations
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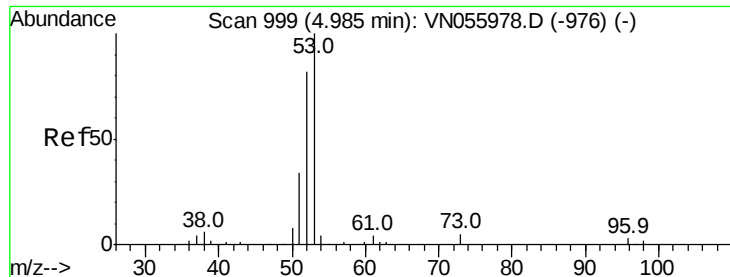
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#14
Allyl chloride
Concen: 18.856 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 41 Resp: 68451
Ion Ratio Lower Upper
41 100
39 60.8 50.0 75.0
76 32.9 28.2 42.2





#15

Acrylonitrile

Concen: 119.335 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

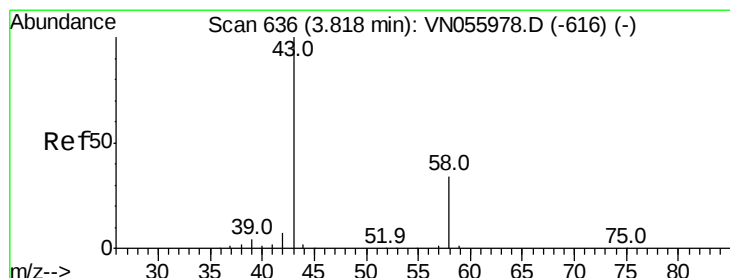
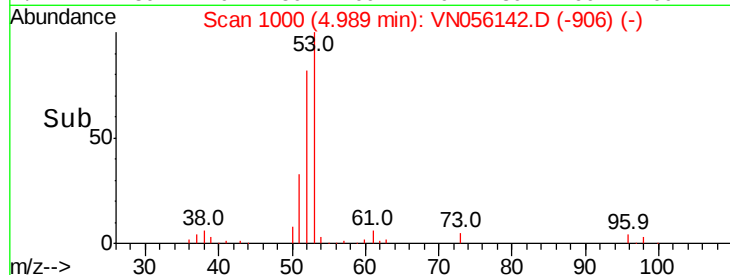
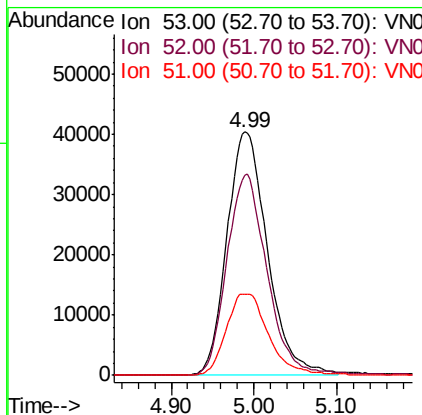
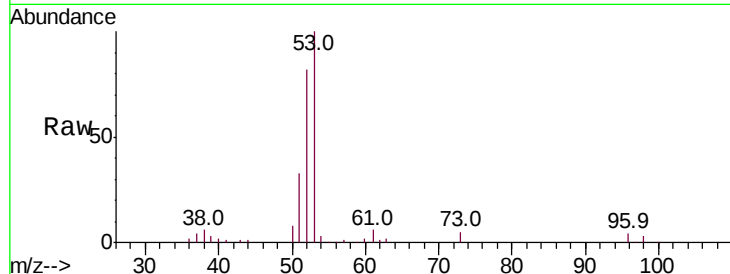
ClientSampleId :

VN0608WBS04

Tot Ion:	53	Resp:	137461
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.8	98.8
51	35.0	28.2	42.4

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#16

Acetone

Concen: 87.348 ug/l

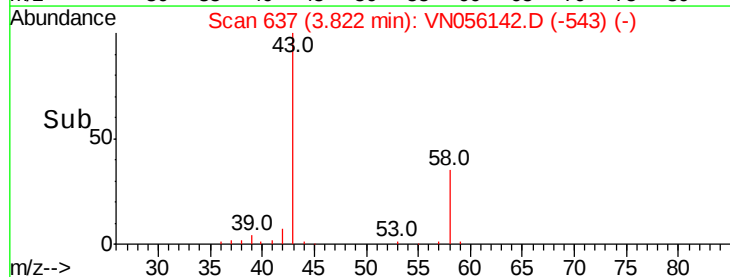
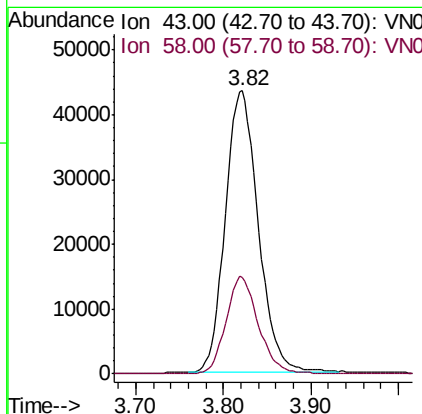
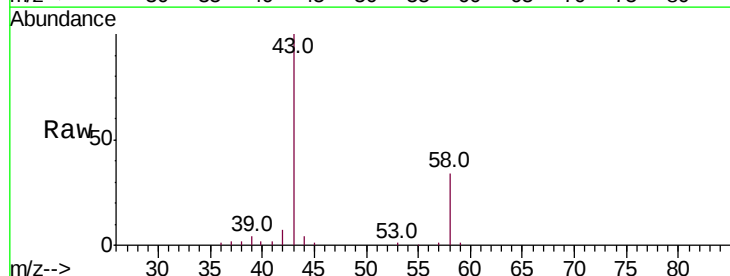
RT: 3.82 min Scan# 637

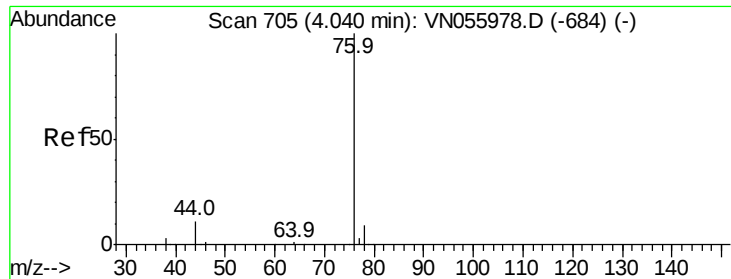
Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion:	43	Resp:	113596
Ion Ratio	Lower	Upper	
43	100		
58	34.5	26.6	39.8





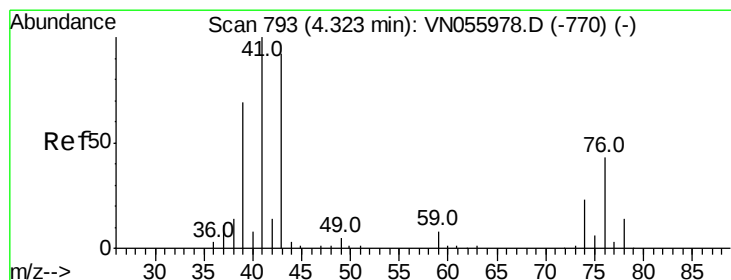
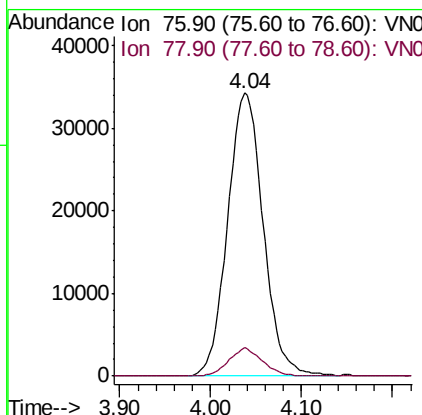
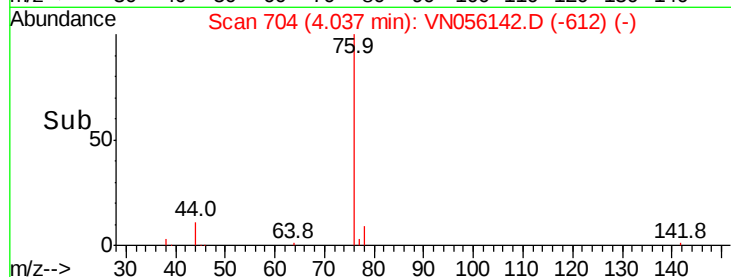
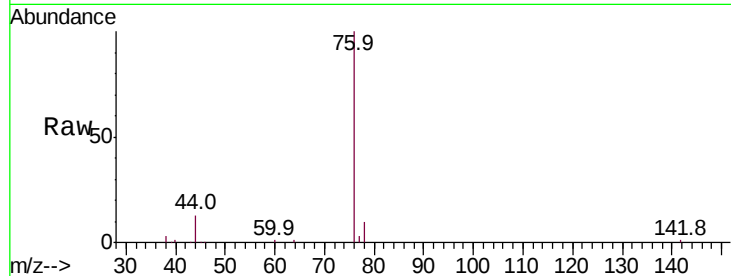
#17
Carbon Disulfide
Concen: 16.900 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion: 76 Resp: 93026
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2

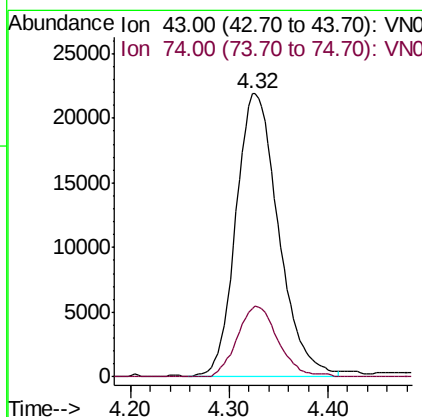
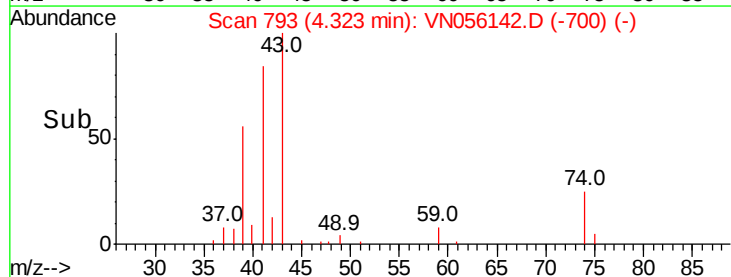
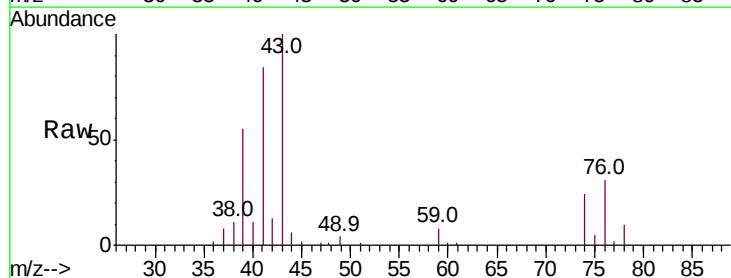
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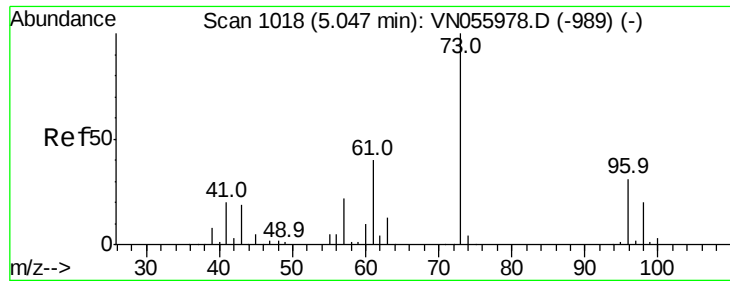
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#18
Methyl Acetate
Concen: 25.414 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 43 Resp: 65648
Ion Ratio Lower Upper
43 100
74 23.9 19.3 28.9





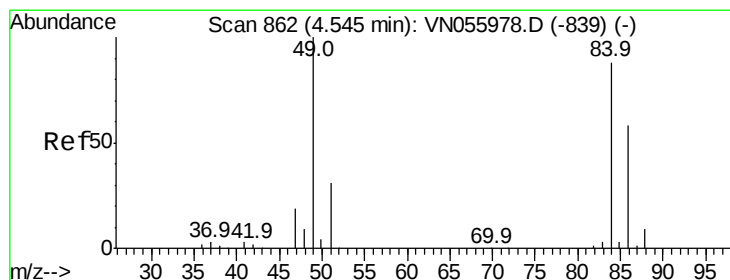
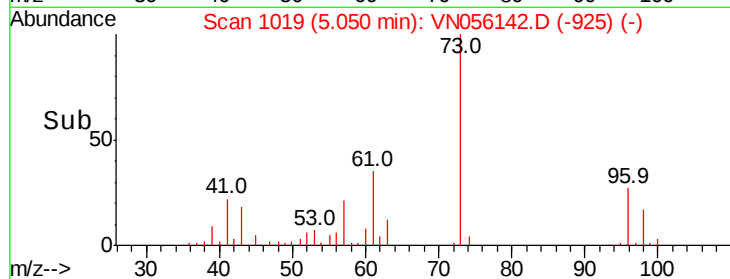
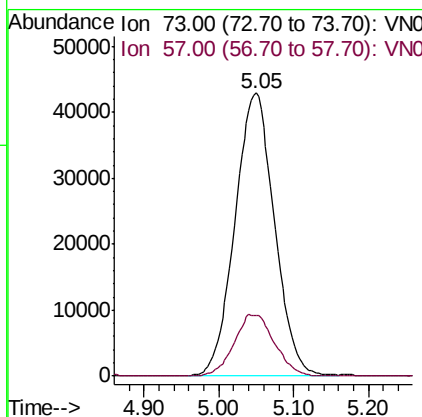
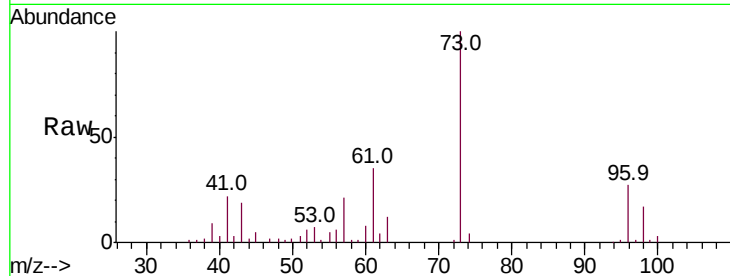
#19
Methvl tert-butvl Ether
Concen: 21.507 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion: 73 Resp: 157603
Ion Ratio Lower Upper
73 100
57 21.3 17.8 26.8

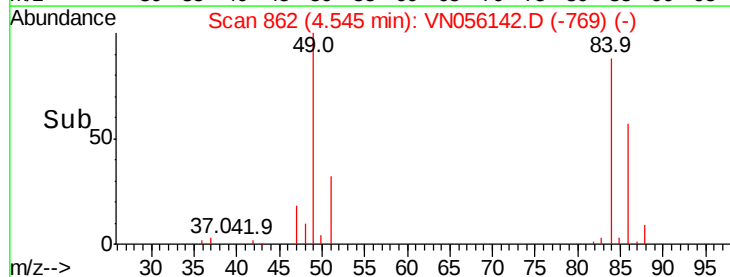
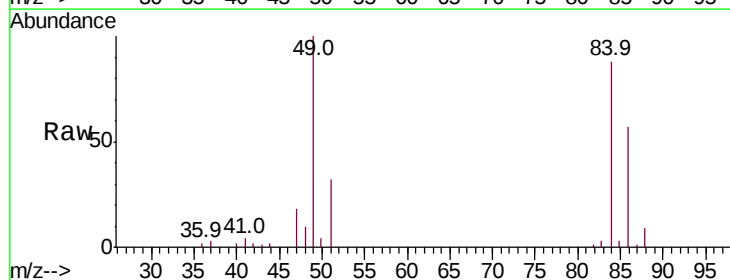
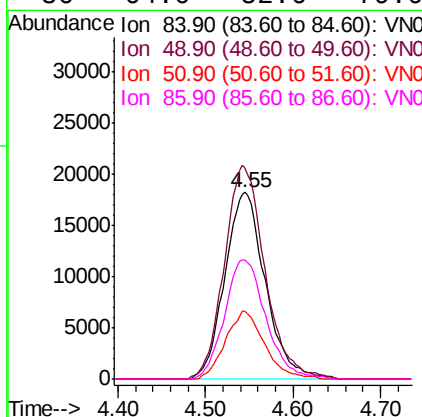
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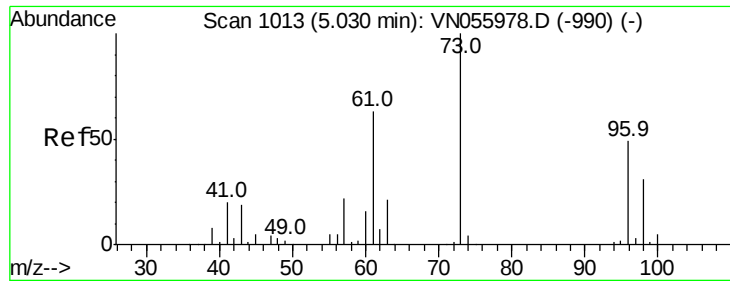
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#20
Methylene Chloride
Concen: 21.842 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 84 Resp: 58523
Ion Ratio Lower Upper
84 100
49 113.3 93.5 140.3
51 36.5 28.6 43.0
86 64.0 52.6 79.0





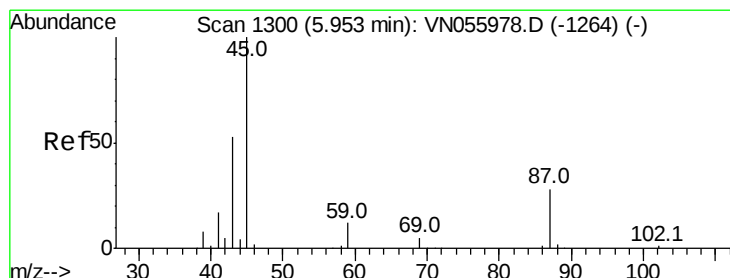
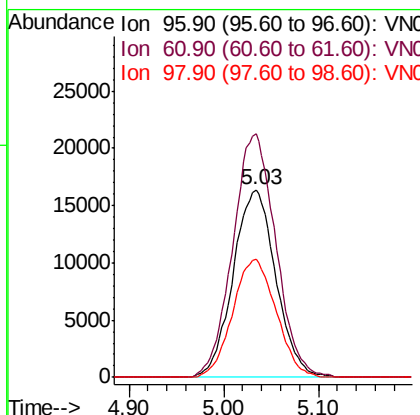
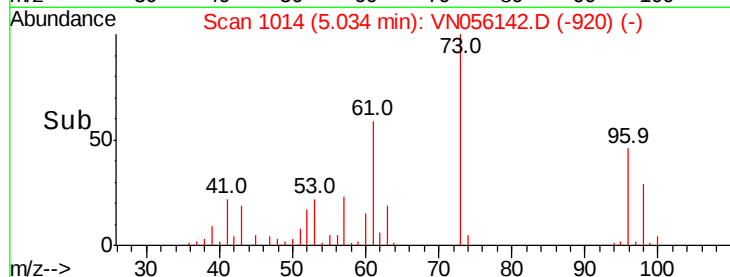
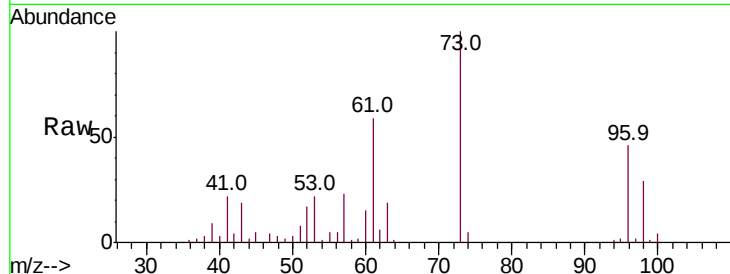
#21
trans-1,2-Dichloroethene
Concen: 20.858 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	107.8	161.8
98	62.9	49.8	74.8

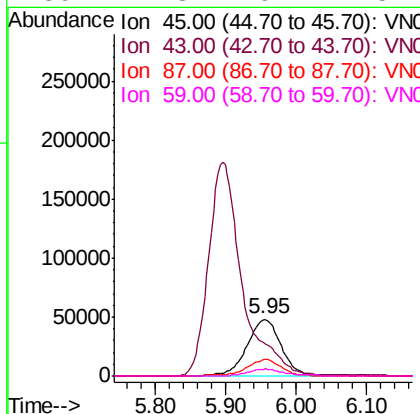
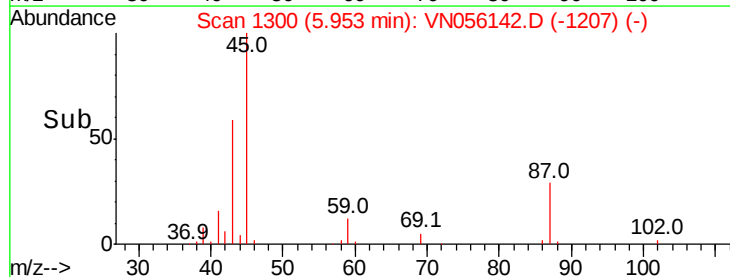
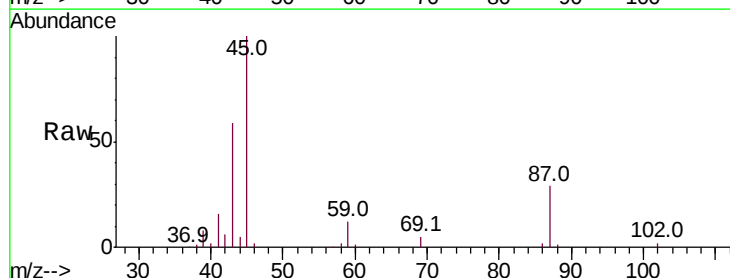
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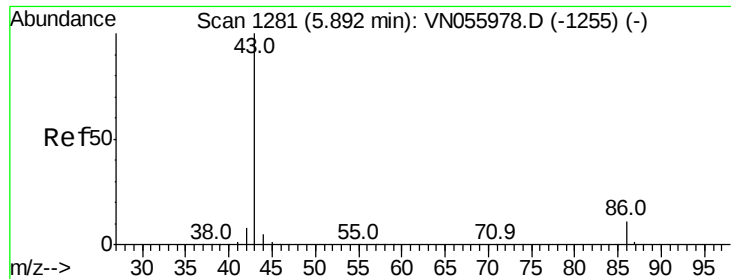
MMDadoda
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#22
Diisopropyl ether
Concen: 21.777 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	45.0	67.6
87	28.6	22.2	33.4
59	12.3	9.1	13.7





#23

Vinyl Acetate

Concen: 102.422 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion: 43 Resp: 605273

Ion Ratio Lower Upper

43 100

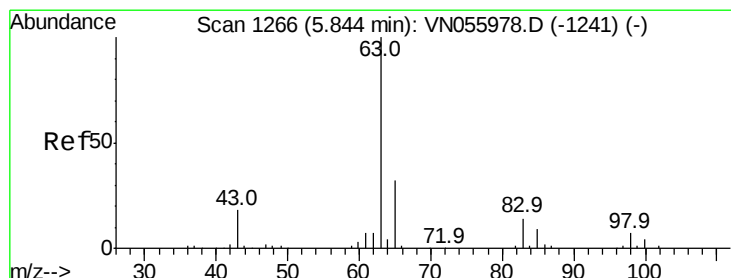
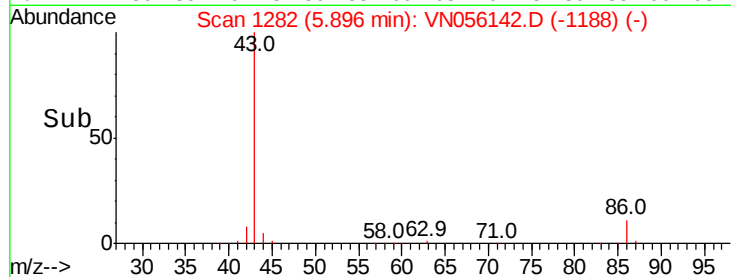
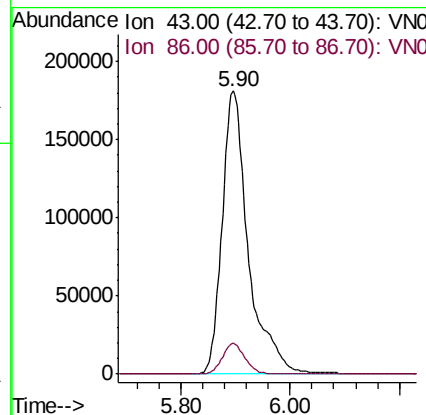
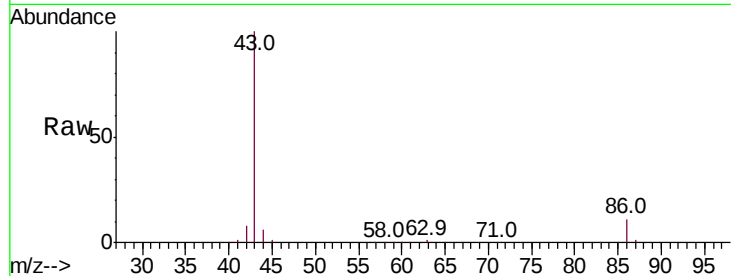
86 11.0 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.628 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

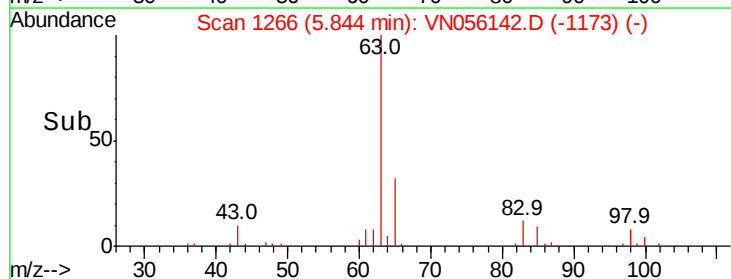
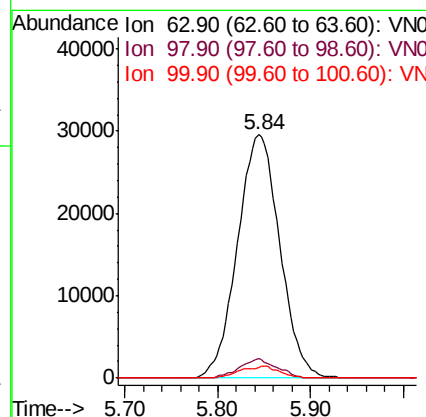
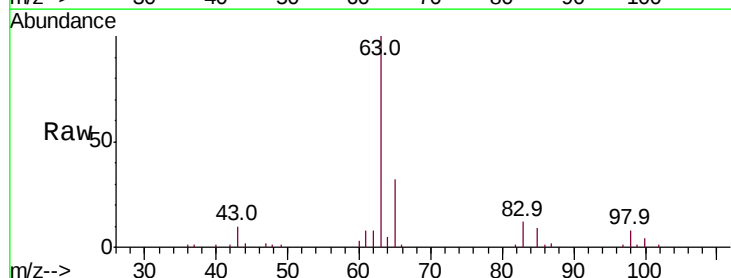
Tgt Ion: 63 Resp: 93622

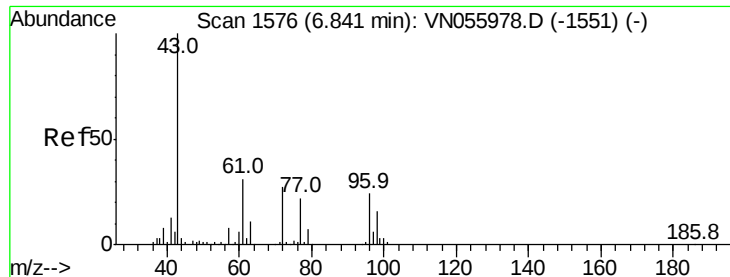
Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 108.162 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion: 43 Resp: 177725

Ion Ratio Lower Upper

43 100

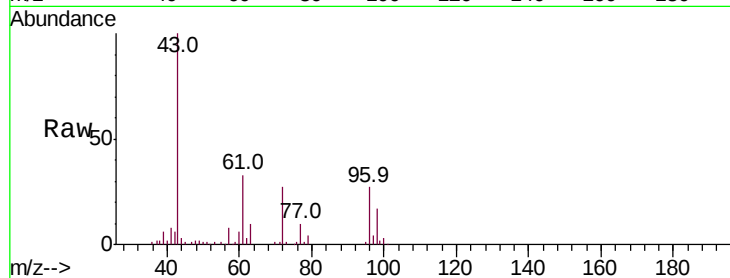
72 27.5 21.9 32.9

Manual Integrations

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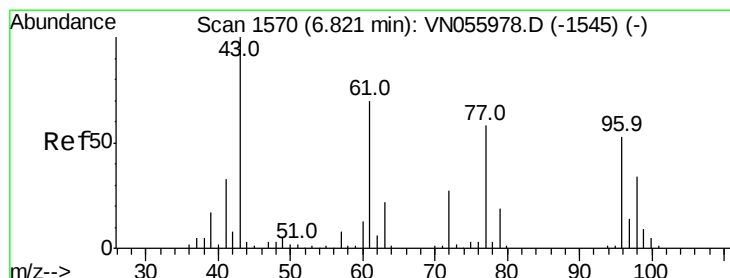
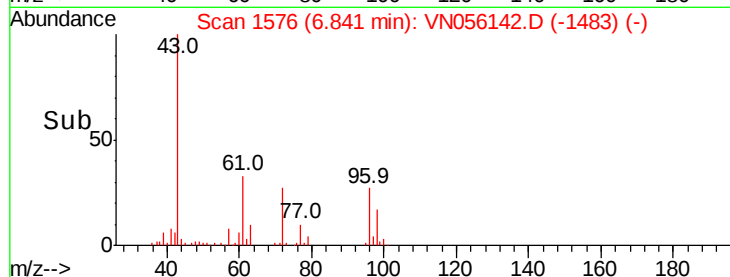
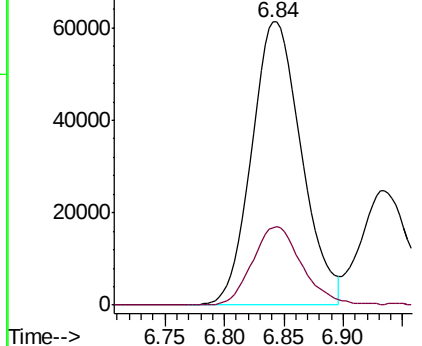
MMDadoda

6/10/2019 11:25:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 8.997 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056142.D

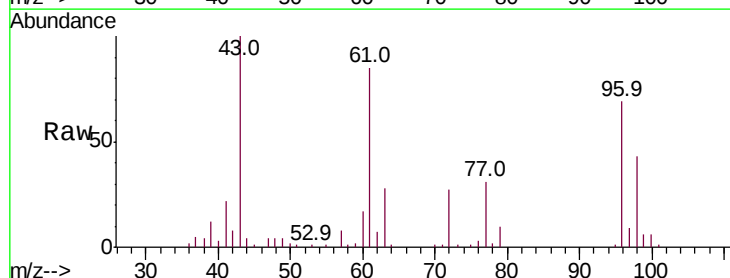
Acq: 8 Jun 2019 10:22

Tgt Ion: 77 Resp: 30390

Ion Ratio Lower Upper

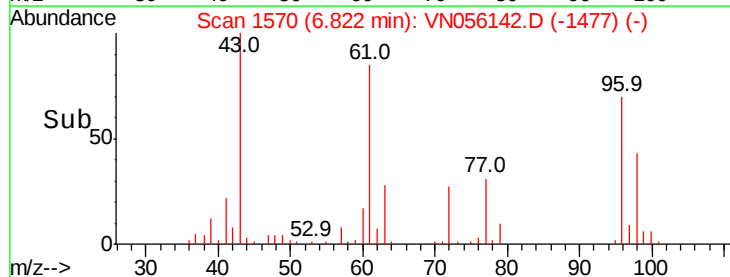
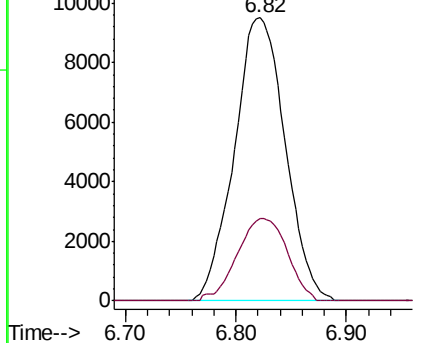
77 100

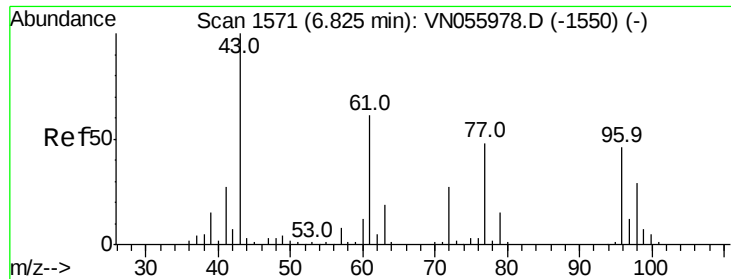
97 28.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.493 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

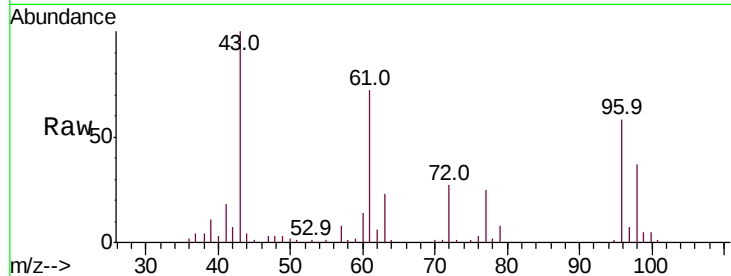
ClientSampleId :

VN0608WBS04

Tot Ion:	96	Resp:	62233
Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	275.8
98	62.6	0.0	128.4

Manual Integrations
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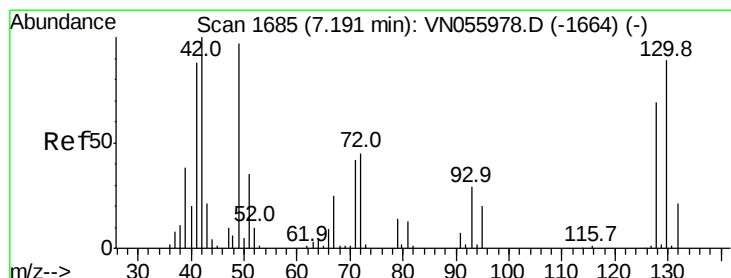
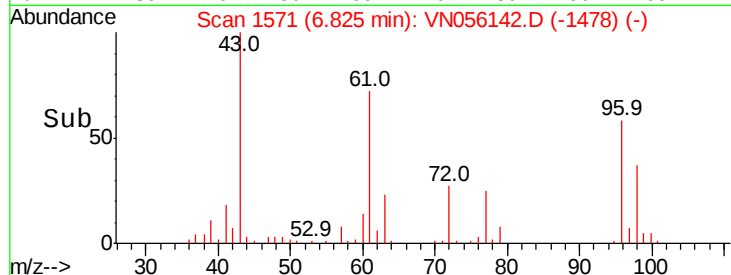
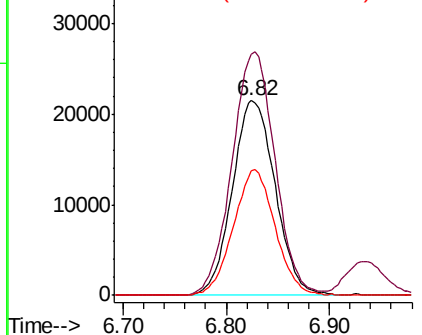
MMDadoda
6/10/2019 11:25:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.463 ug/l

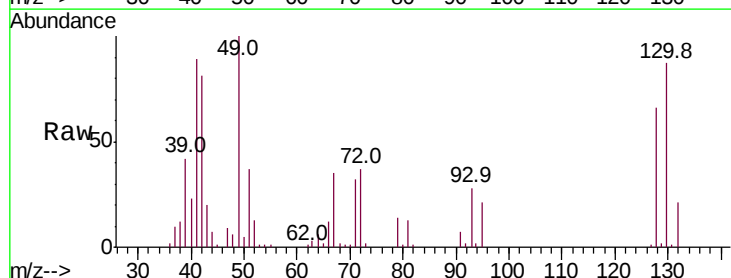
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

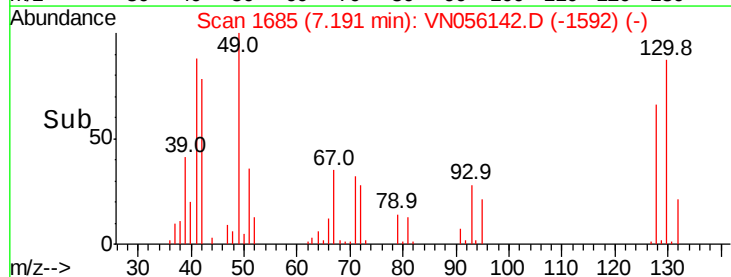
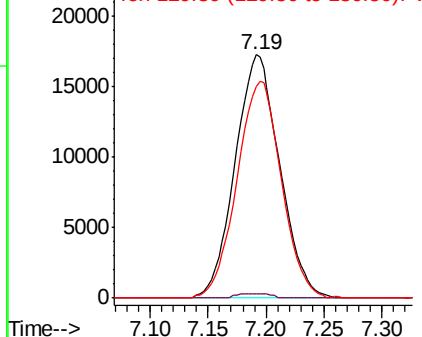
Tgt Ion:	49	Resp:	45982
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.4
130	88.6	71.2	106.8

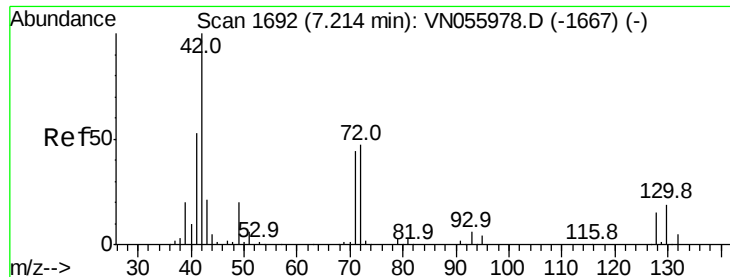


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





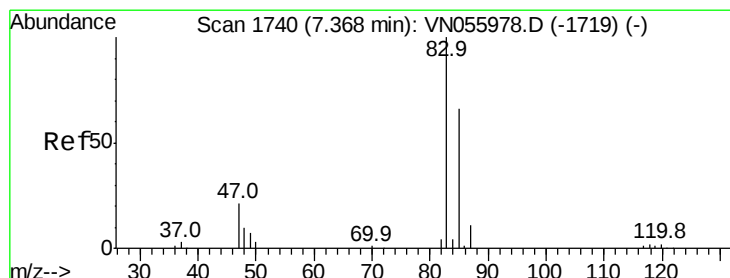
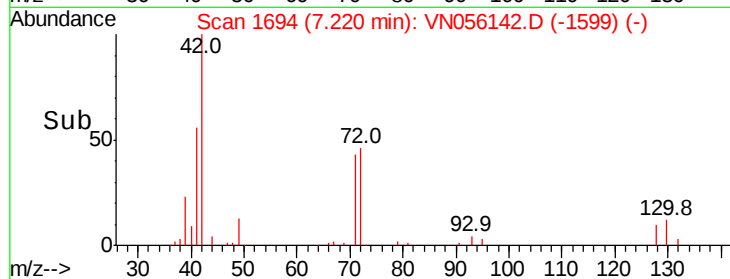
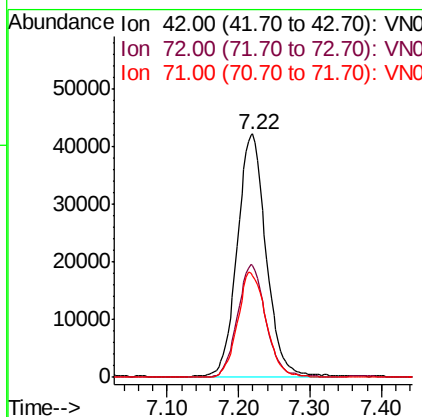
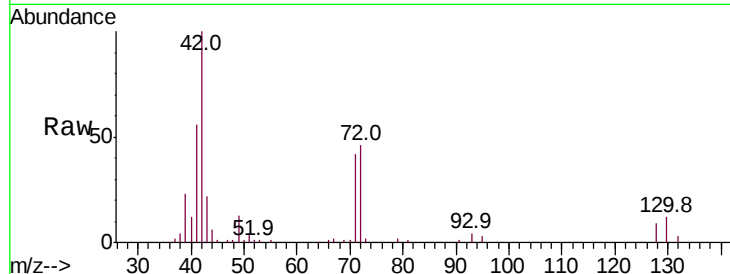
#29
Tetrahydrofuran
Concen: 118.138 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	42.3	34.0	51.0

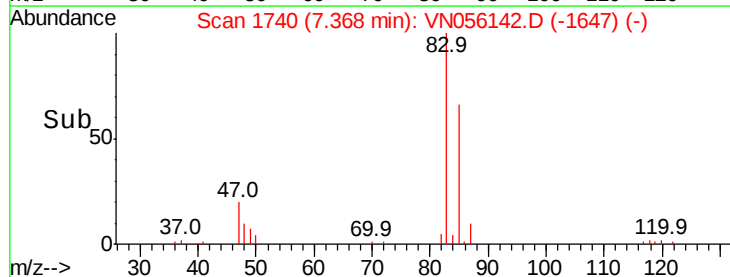
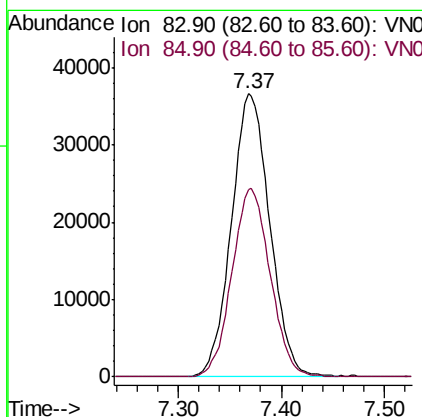
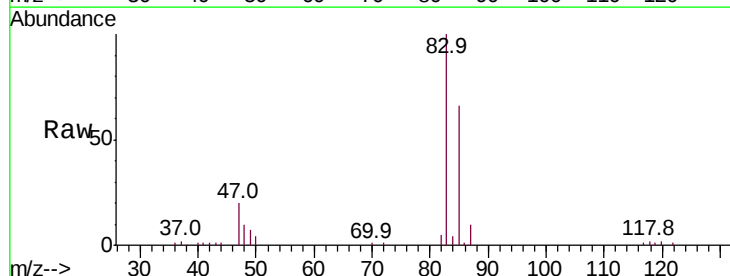
Manual Integrations
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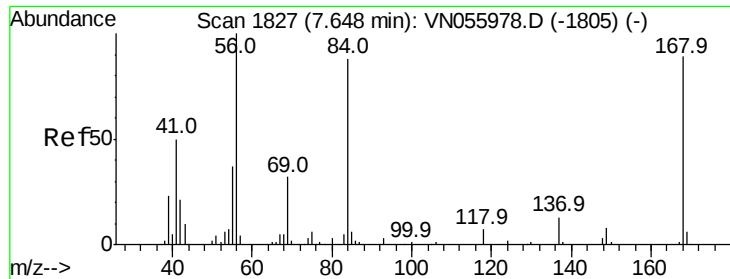
MMDadoda
6/10/2019 11:25:28 AM



#30
Chloroform
Concen: 21.738 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.8	77.8





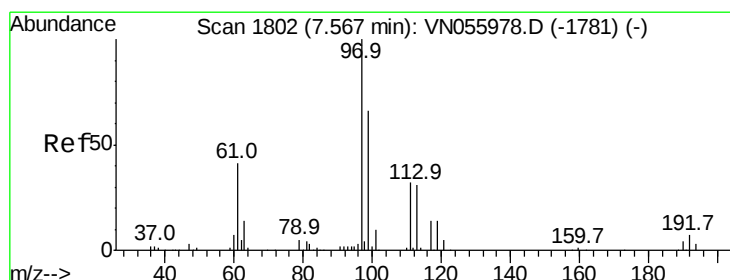
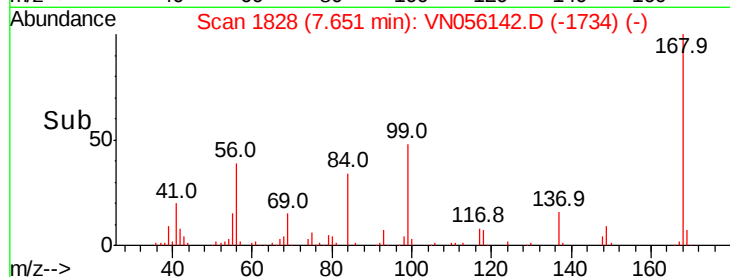
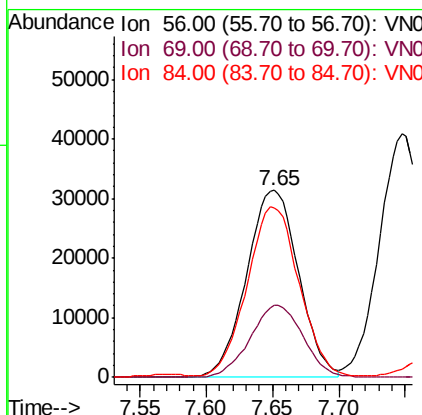
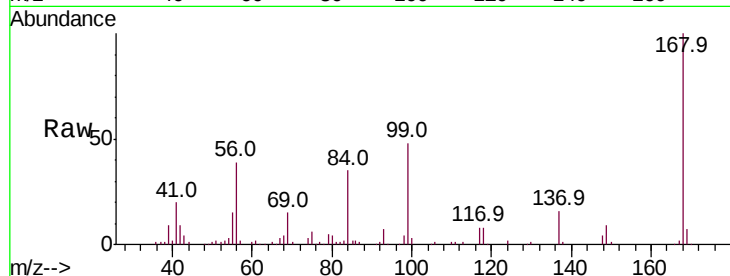
#31
Cyclohexane
Concen: 19.939 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleID :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	25.6	38.4
84	90.0	67.4	101.0

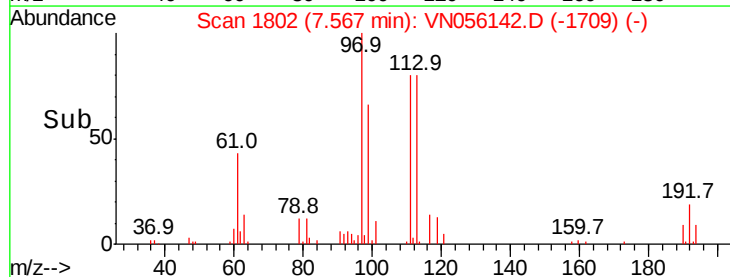
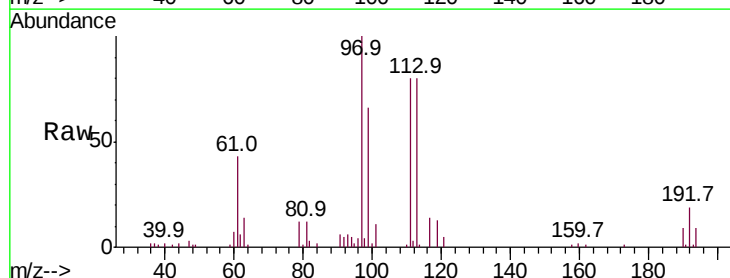
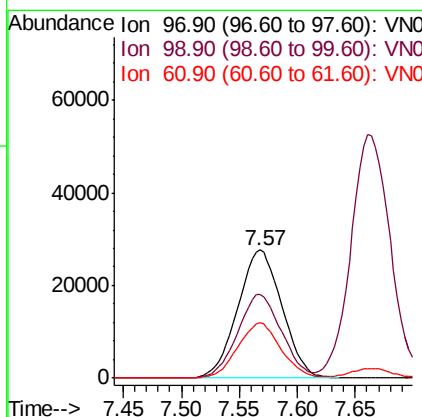
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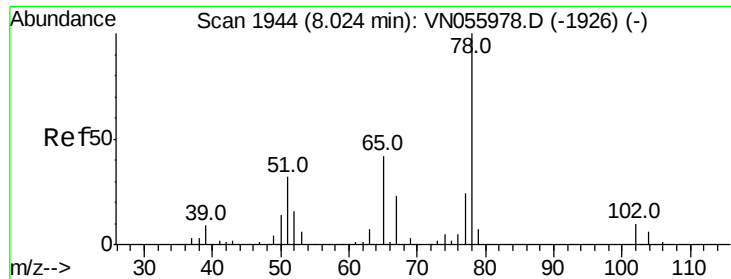
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#32
1,1,1-Trichloroethane
Concen: 20.197 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.0	78.0
61	42.2	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 53.954 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion: 65 Resp: 146711

Ion Ratio Lower Upper

65 100

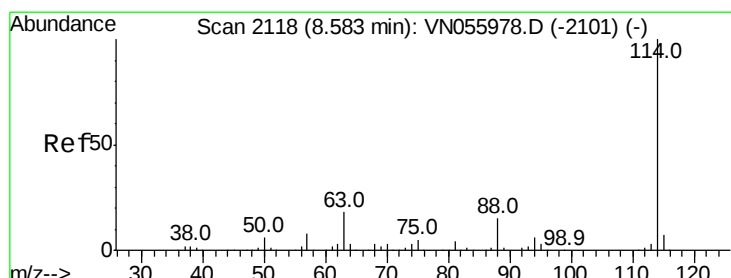
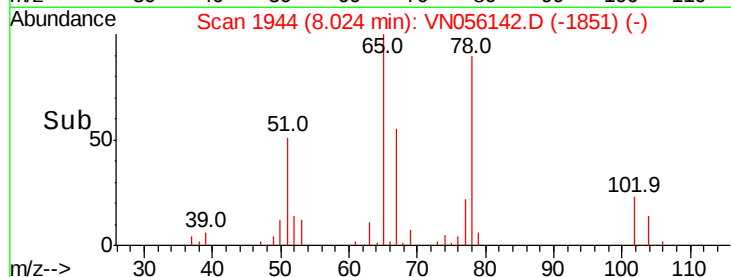
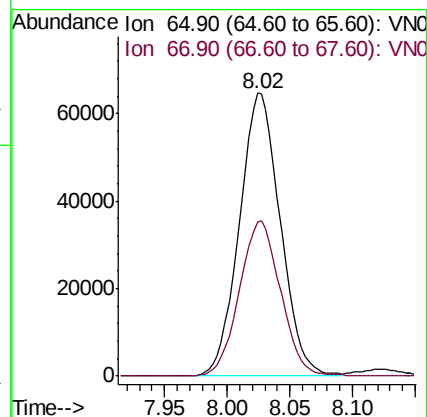
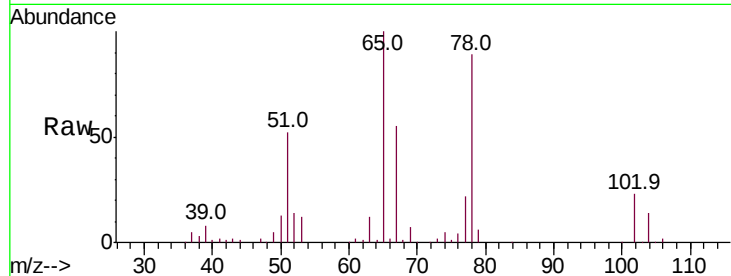
67 55.4 0.0 109.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

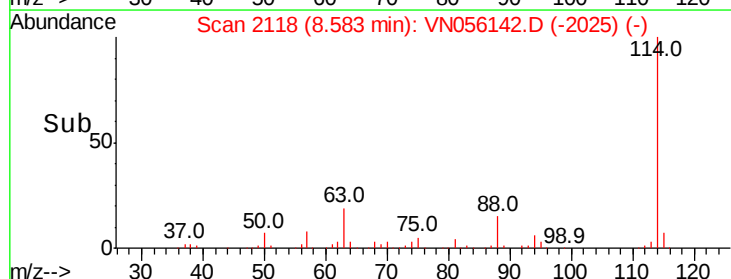
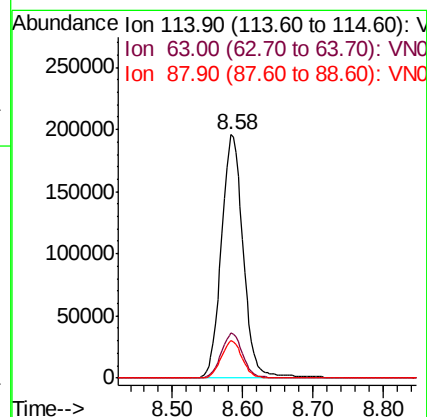
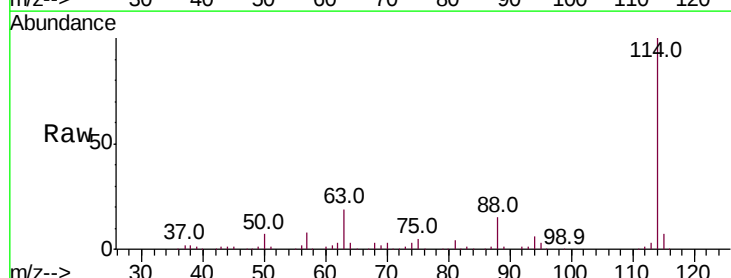
Tgt Ion: 114 Resp: 423663

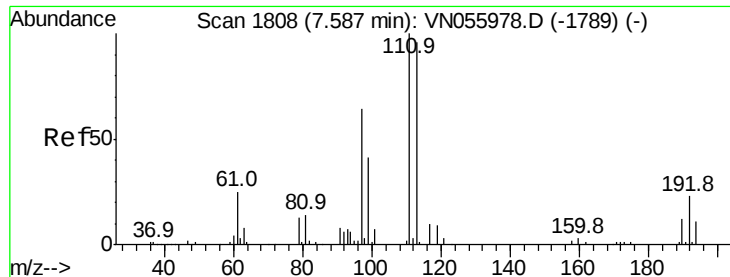
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

88 15.2 0.0 31.0





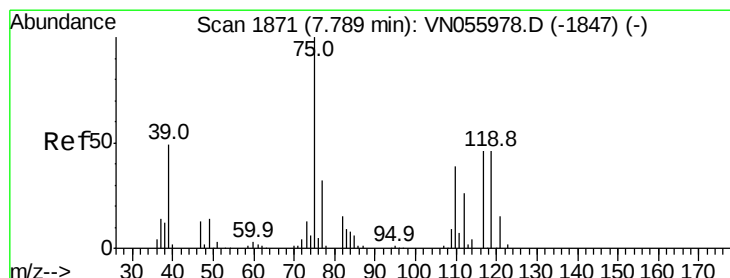
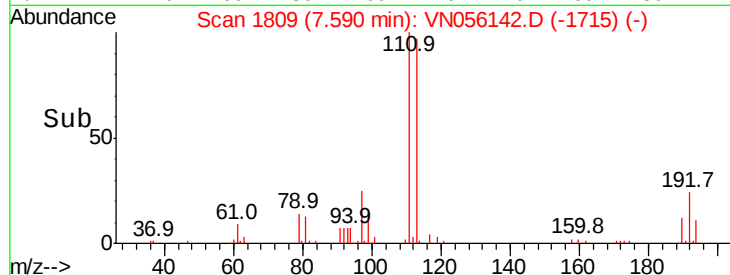
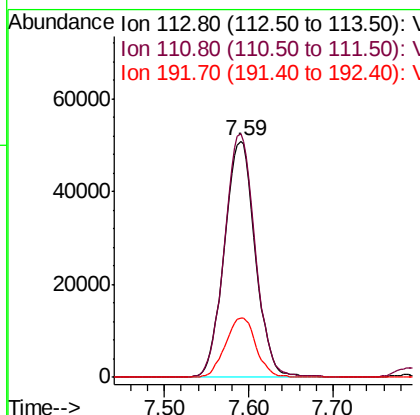
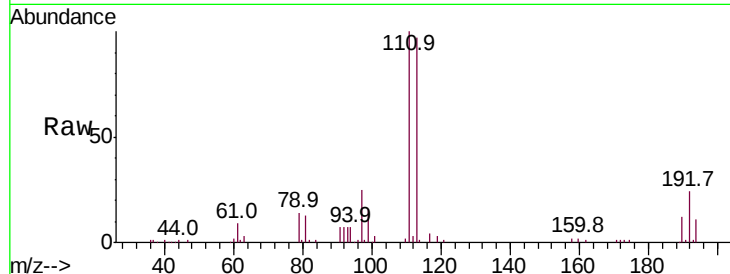
#35
 Dibromofluoromethane
 Concen: 49.981 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	81.9	122.9	
192	24.8	19.5	29.3	

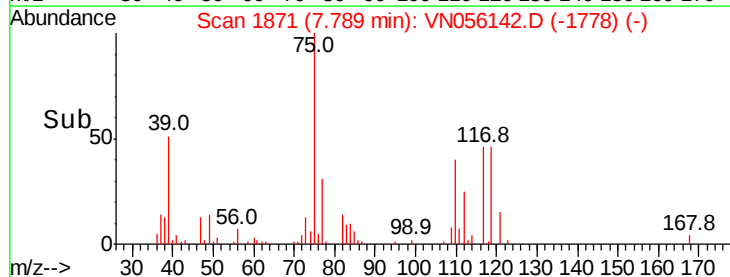
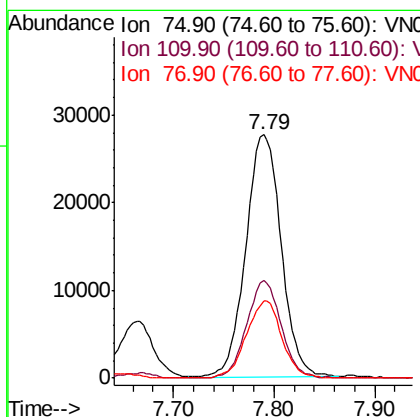
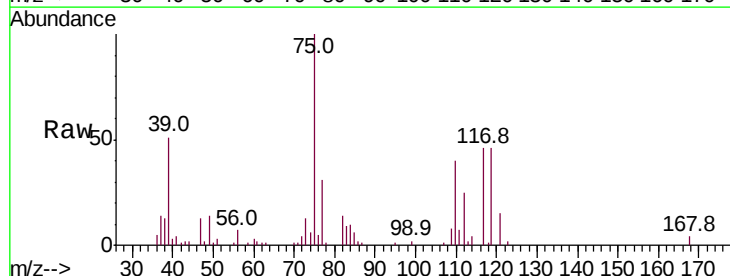
Manual Integrations
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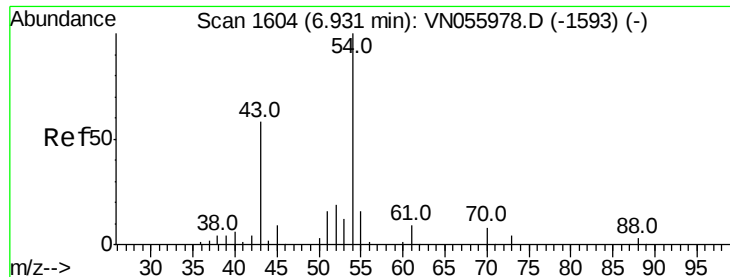
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#36
 1,1-Dichloropropene
 Concen: 18.461 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.9	19.0	57.0	
77	32.0	25.1	37.7	





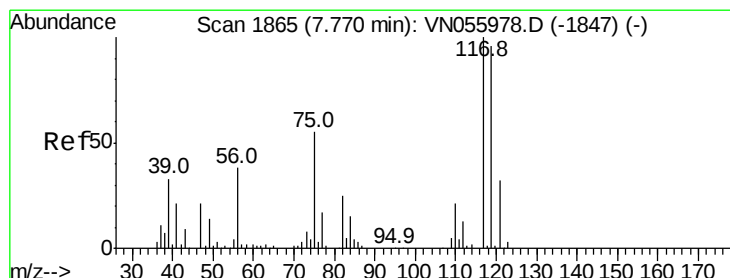
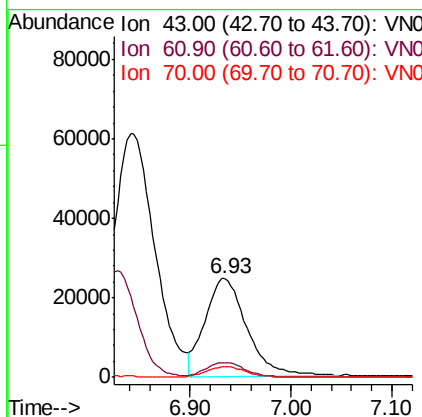
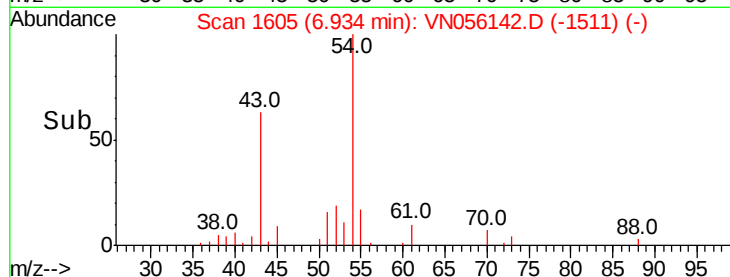
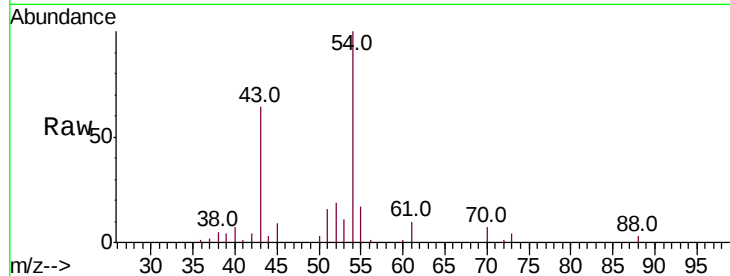
#37
Ethyl Acetate
Concen: 21.747 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	10.6	8.9	13.3

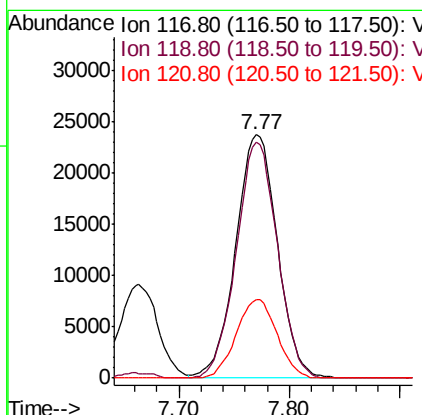
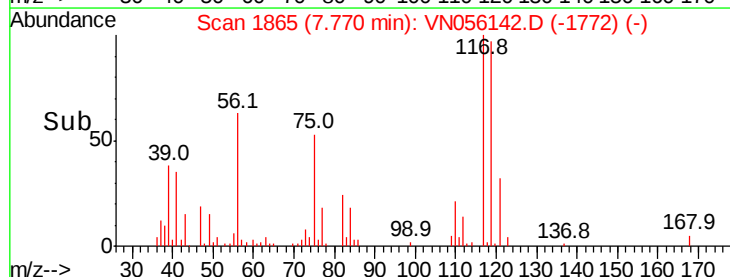
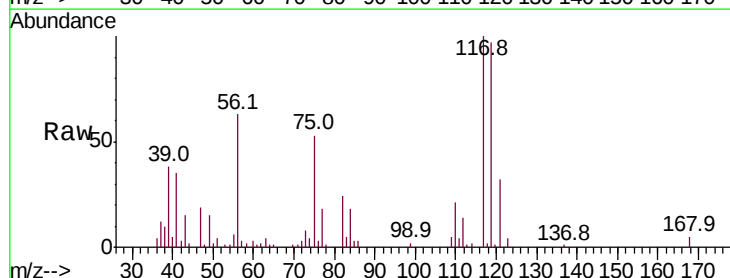
Manual Integrations
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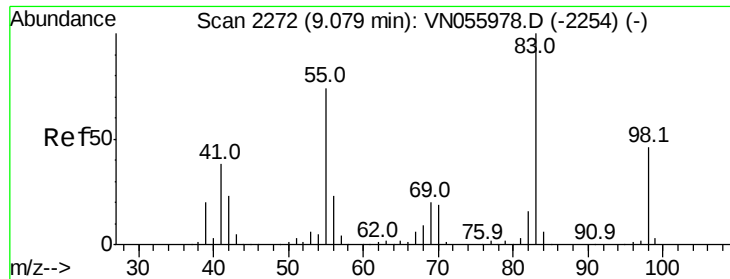
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#38
Carbon Tetrachloride
Concen: 18.498 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.0	118.6
121	32.1	24.7	37.1





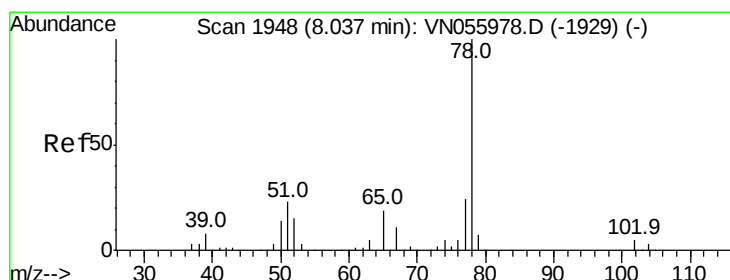
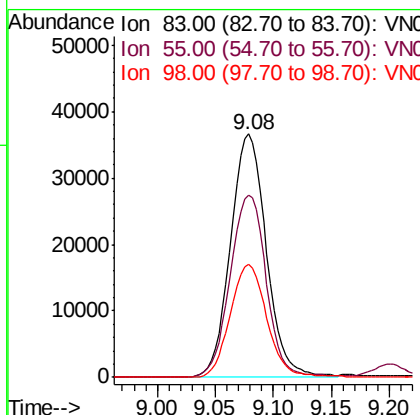
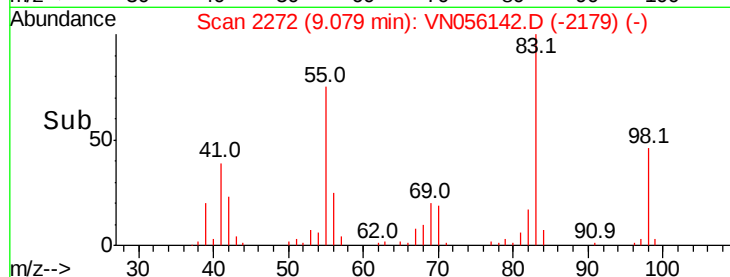
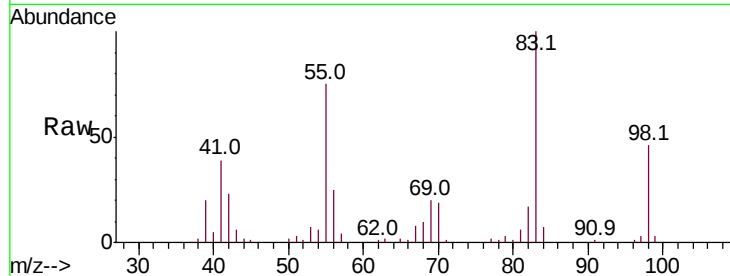
#39
Methvlcvclohexane
Concen: 17.341 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.3	88.9
98	46.4	36.6	54.8

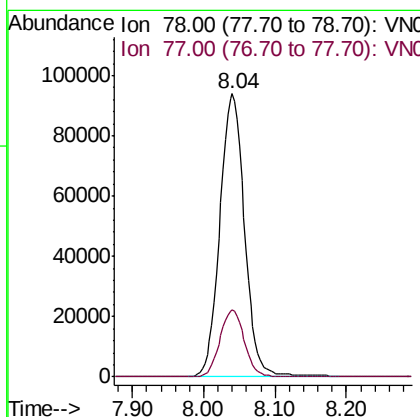
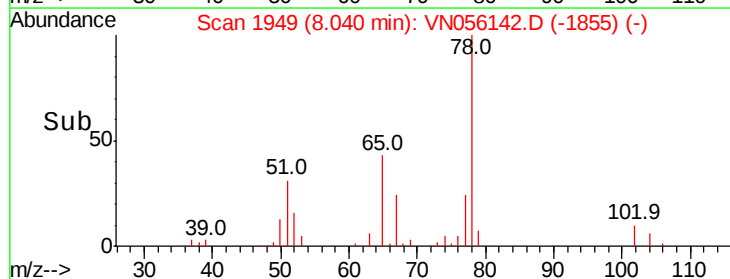
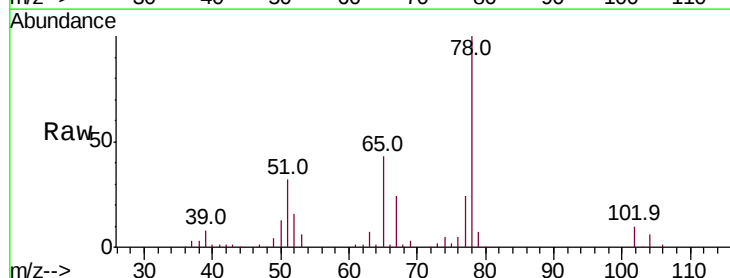
Manual Integrations
APPROVED

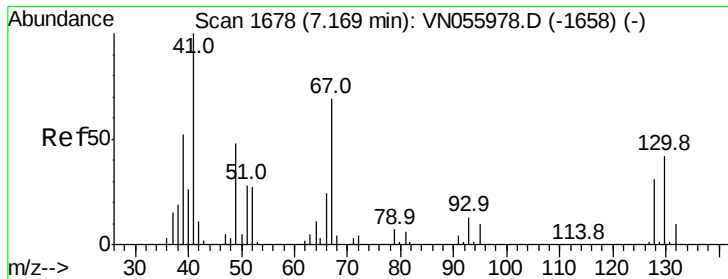
MMDadoda
6/10/2019 11:25:28 AM



#40
Benzene
Concen: 20.457 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





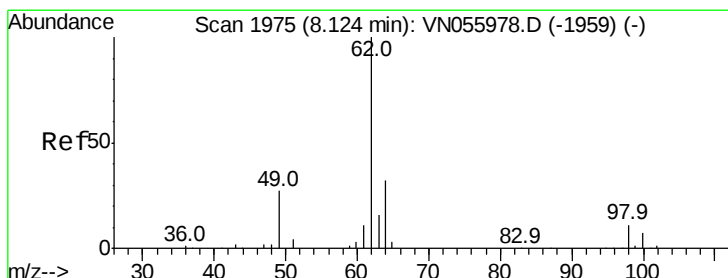
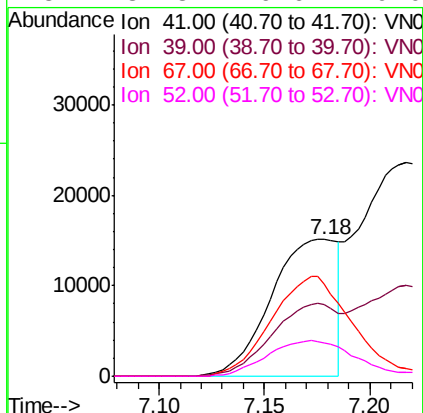
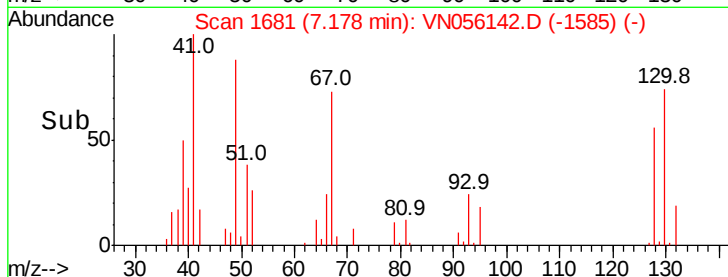
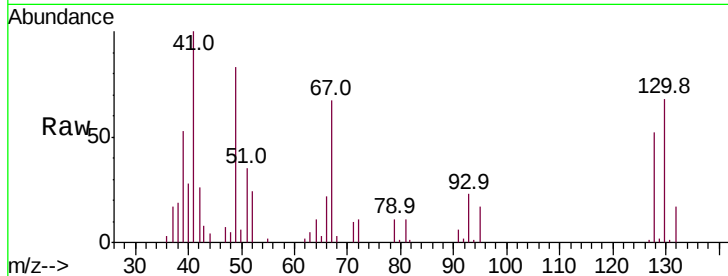
#41
Methacrylonitrile
Concen: 22.146 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion:	41	Resp:	33026
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.6	68.4
67	89.8	67.7	101.5
52	34.8	26.6	40.0

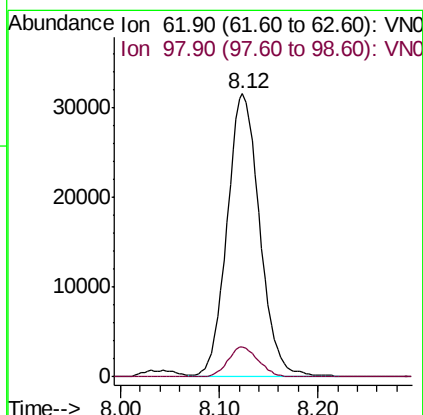
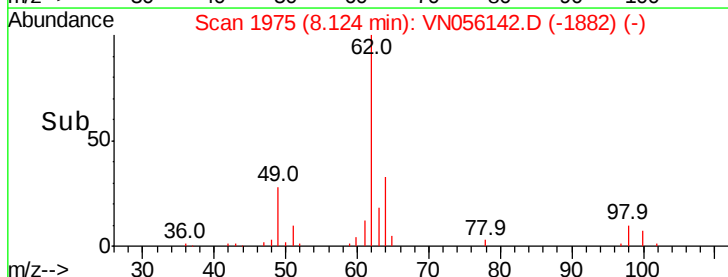
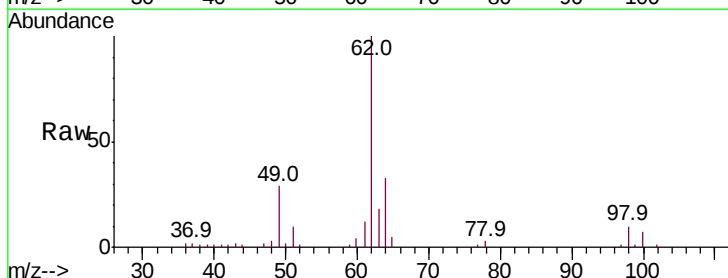
Manual Integrations
APPROVED

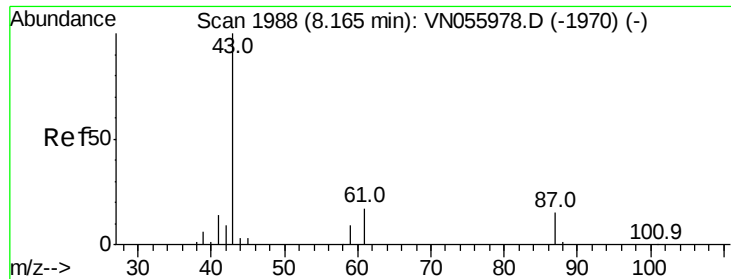
MMDadoda
6/10/2019 11:25:28 AM



#42
1,2-Dichloroethane
Concen: 20.526 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion:	62	Resp:	73052
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.860 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

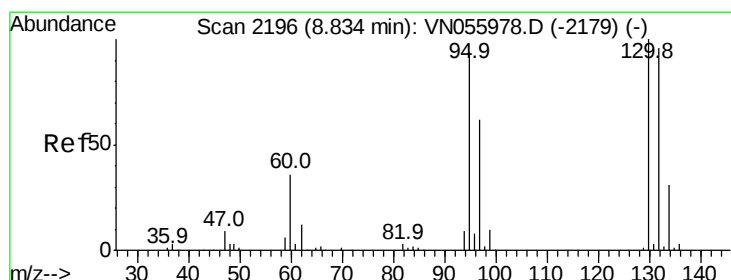
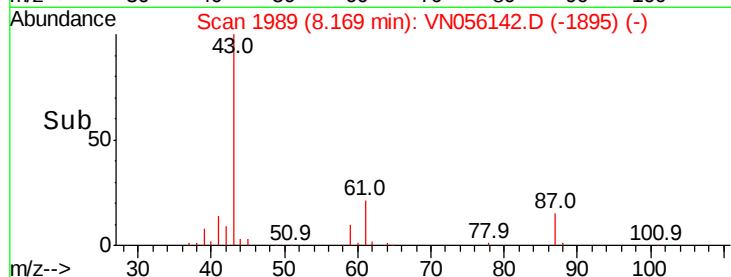
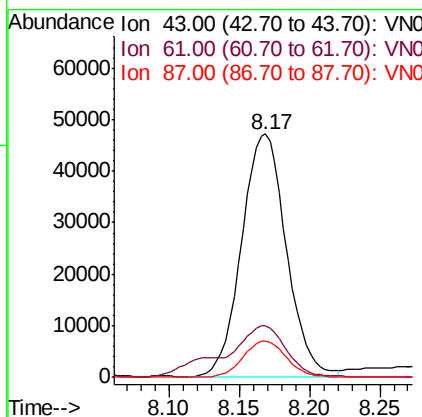
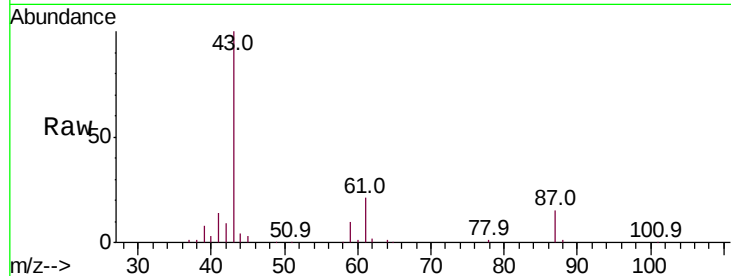
ClientSampleId :

VN0608WBS04

Tot Ion:	43	Resp:	104315
Ion	Ratio	Lower	Upper
43	100		
61	29.8	22.2	33.4
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 20.191 ug/l

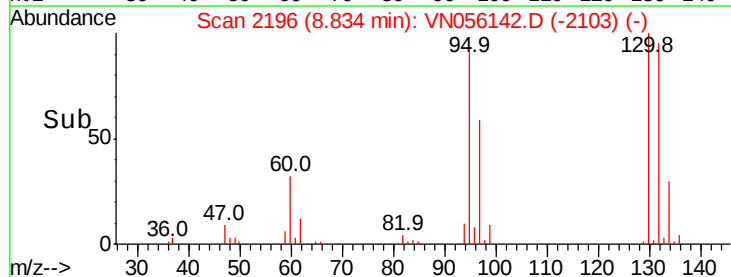
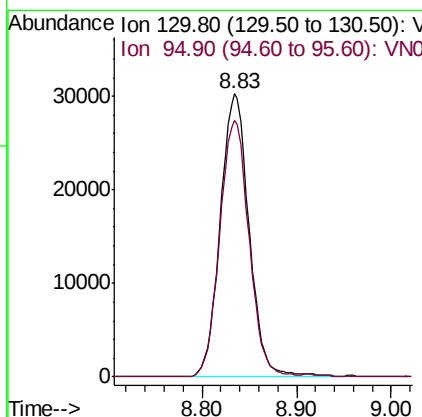
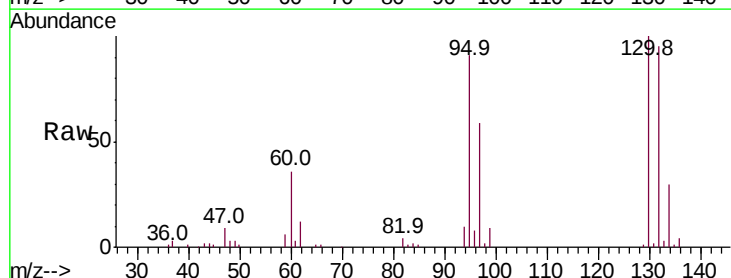
RT: 8.83 min Scan# 2196

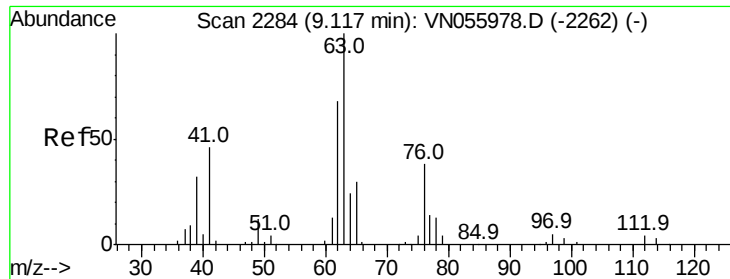
Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion:	130	Resp:	64194
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.776 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion: 63 Resp: 58879

Ion Ratio Lower Upper

63 100

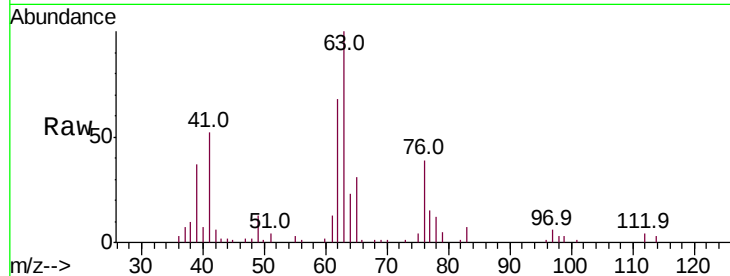
65 31.1 24.6 36.8

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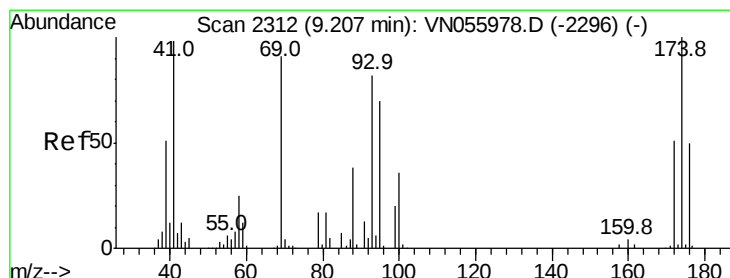
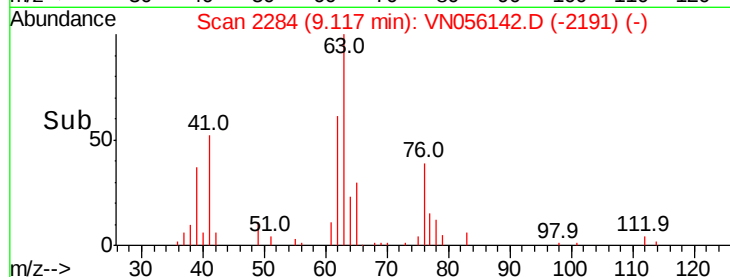
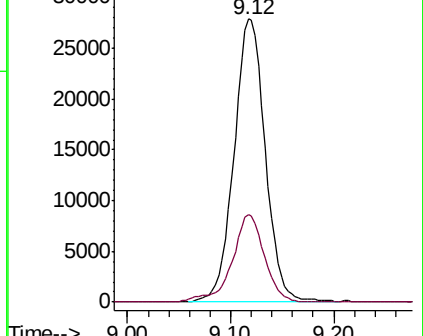
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.252 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

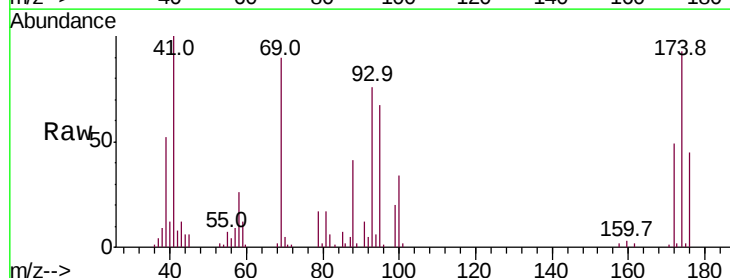
Tgt Ion: 93 Resp: 37532

Ion Ratio Lower Upper

93 100

95 86.9 66.7 100.1

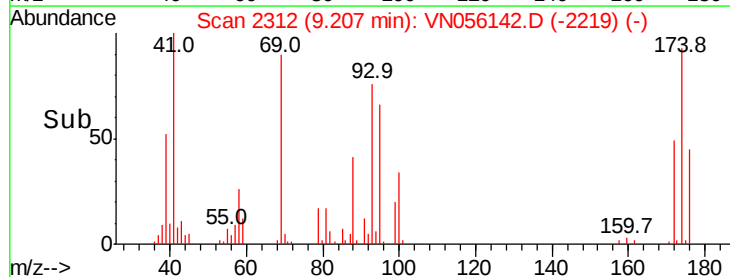
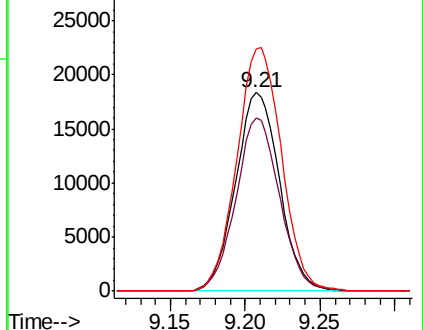
174 124.6 96.4 144.6

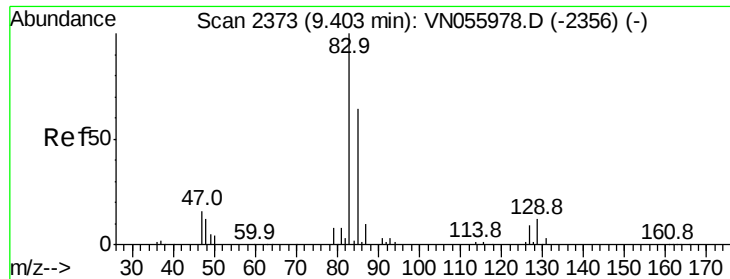


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.017 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

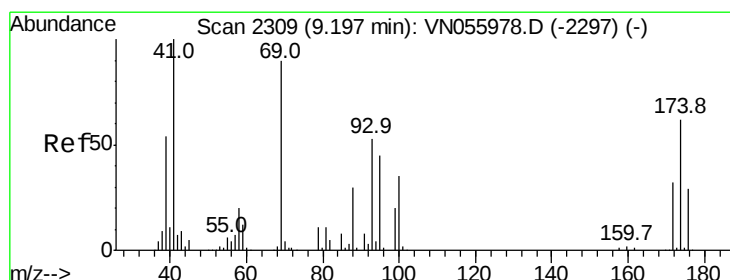
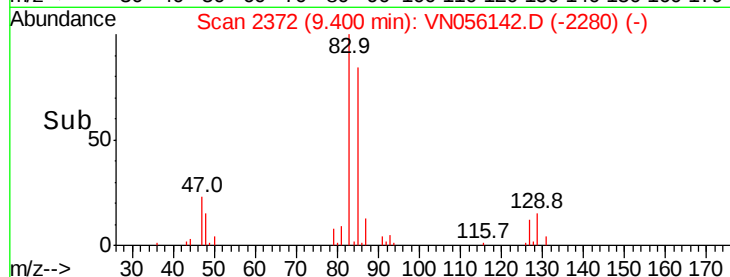
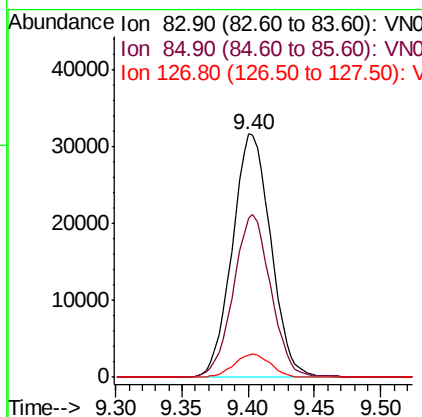
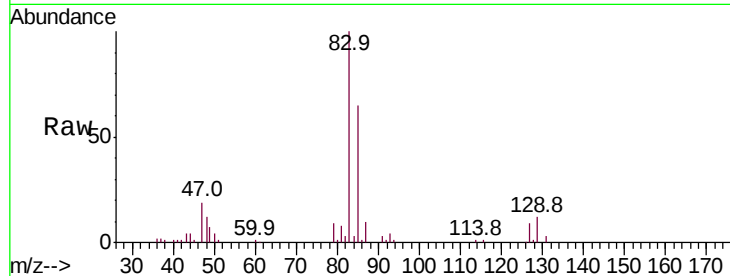
ClientSampleId :

VN0608WBS04

Tot Ion:	83	Resp:	63874
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.2
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.914 ug/l

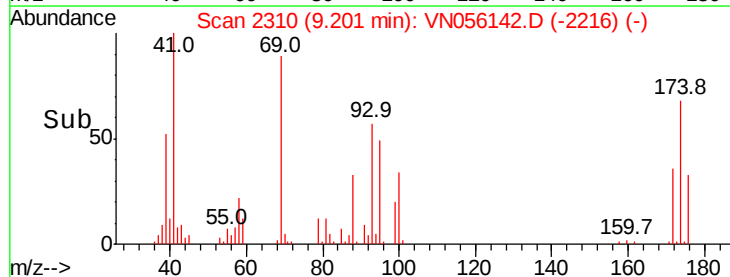
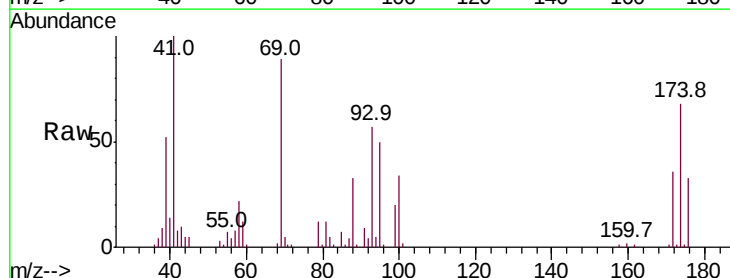
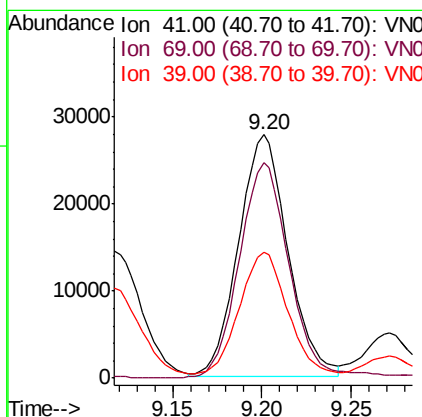
RT: 9.20 min Scan# 2310

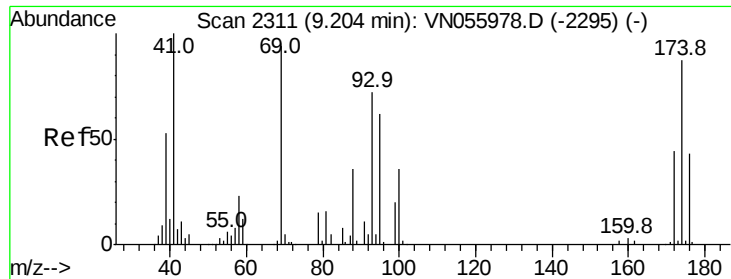
Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion:	41	Resp:	53742
Ion	Ratio	Lower	Upper
41	100		
69	90.7	71.0	106.6
39	51.8	44.2	66.2





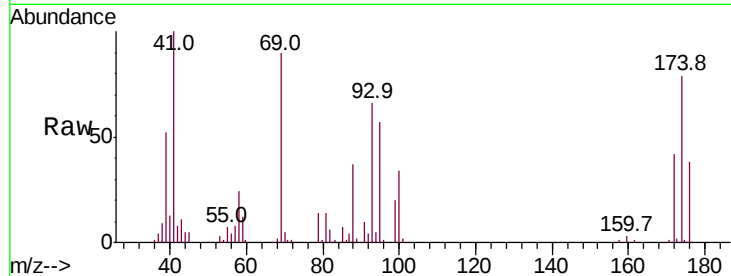
#49
1,4-Dioxane
Concen: 419.699 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

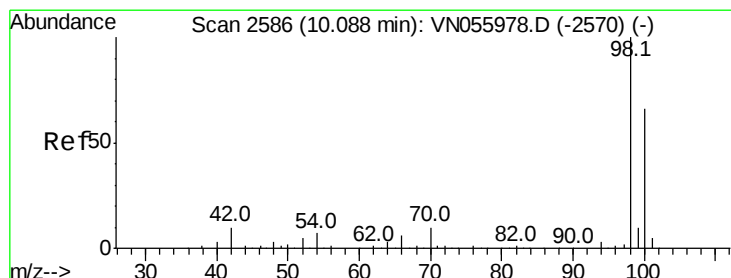
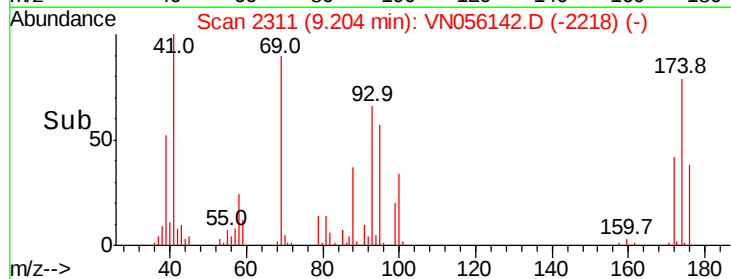
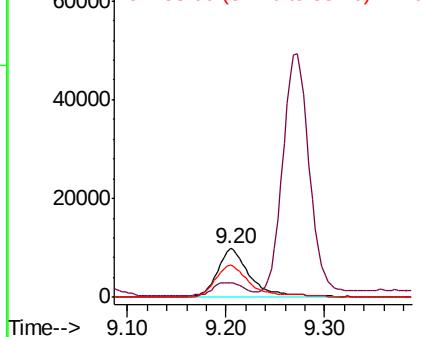
Tot Ion: 88 Resp: 23283
Ion Ratio Lower Upper
88 100
43 25.4 20.5 30.7
58 65.6 55.8 83.6

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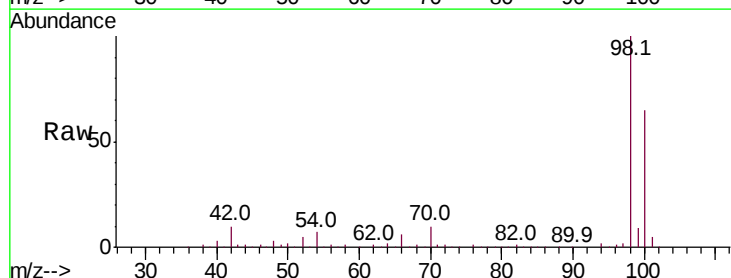


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

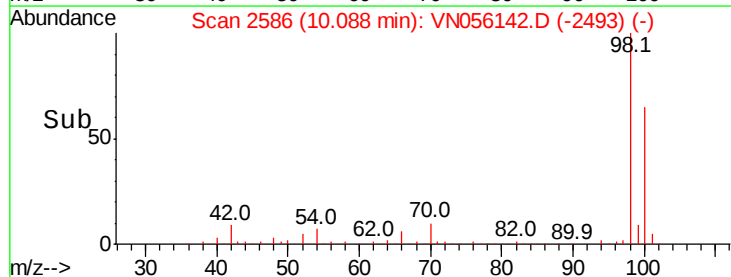
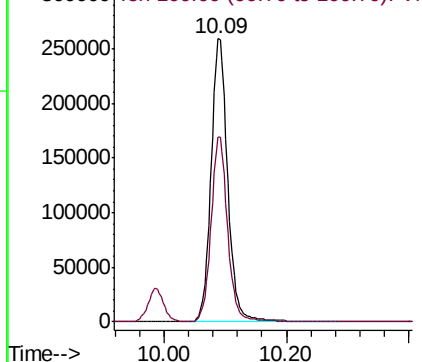


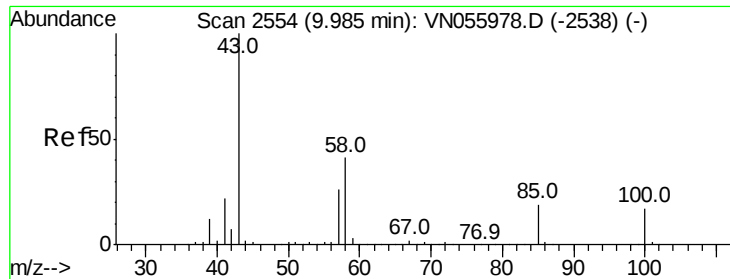
#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 98 Resp: 495595
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.576 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS04

Tot Ion: 43 Resp: 346777

Ion Ratio Lower Upper

43 100

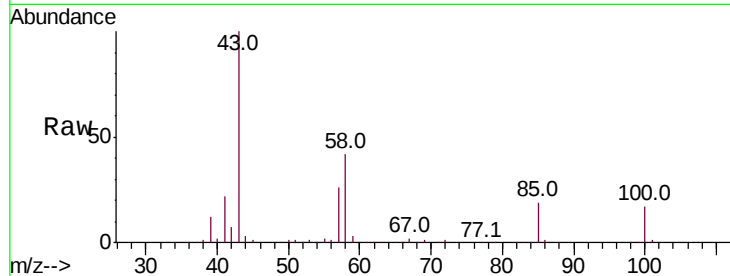
58 41.2 32.1 48.1

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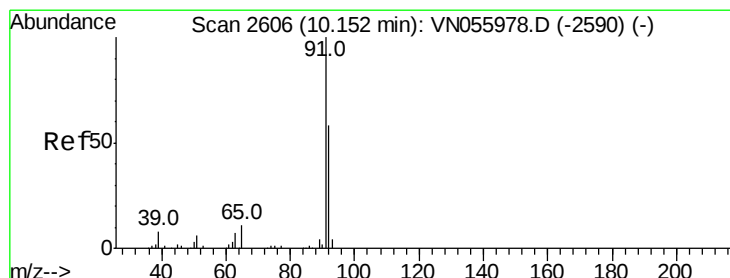
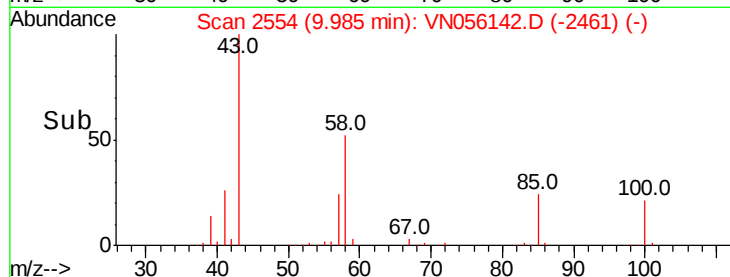
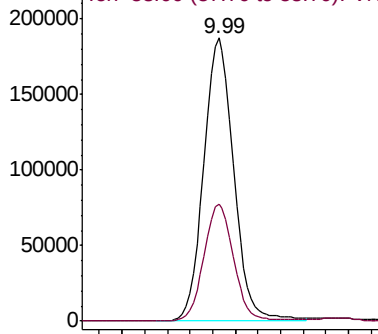
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.116 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056142.D

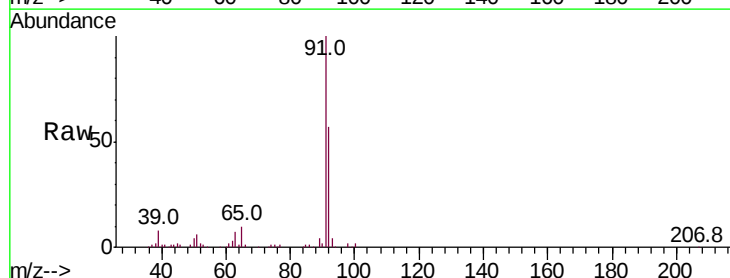
Acq: 8 Jun 2019 10:22

Tgt Ion: 92 Resp: 138497

Ion Ratio Lower Upper

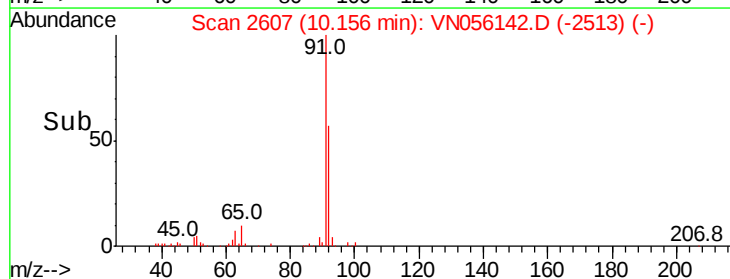
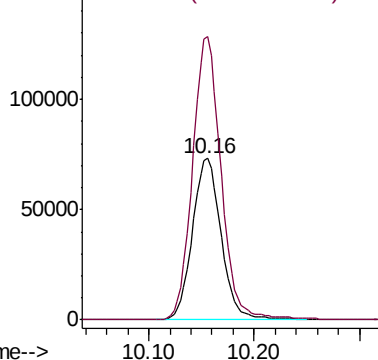
92 100

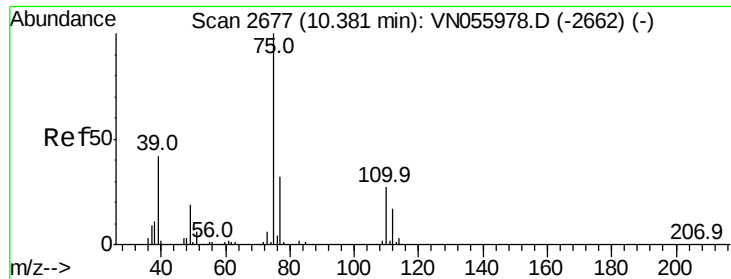
91 173.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





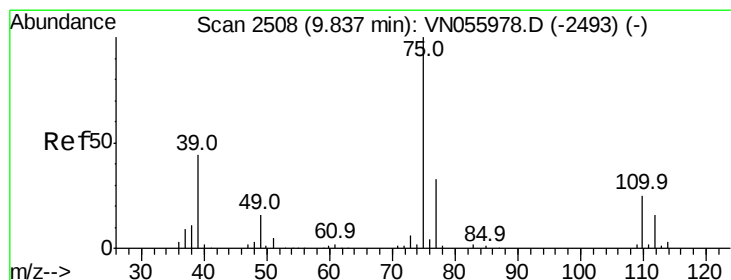
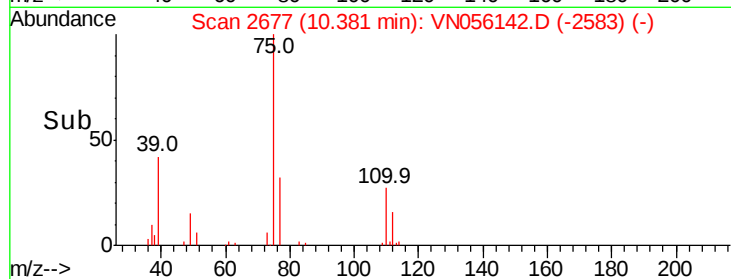
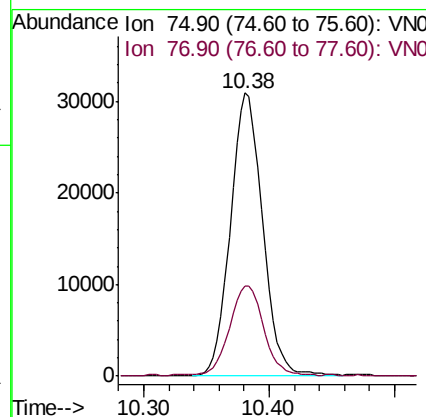
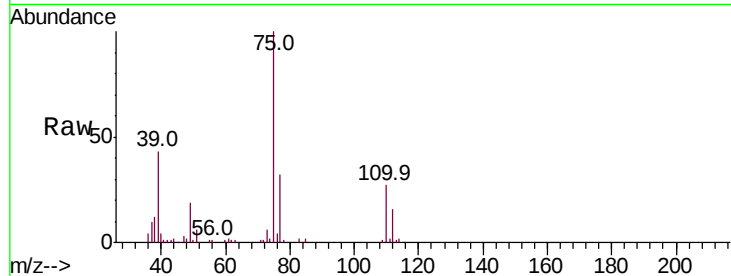
#53
 t-1,3-Dichloropropene
 Concen: 15.749 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6

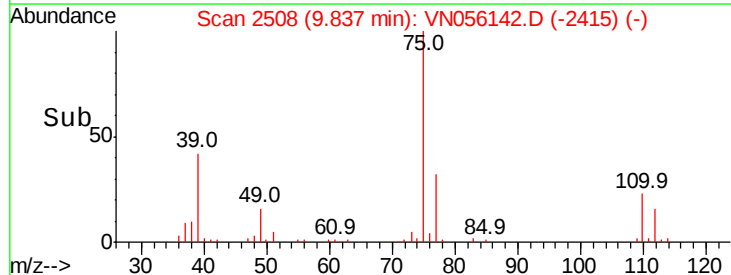
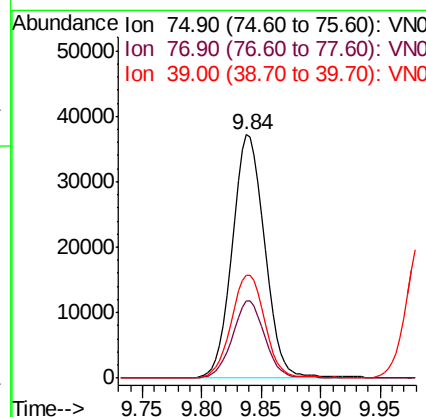
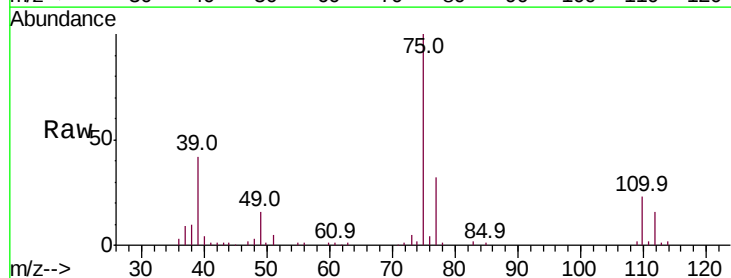
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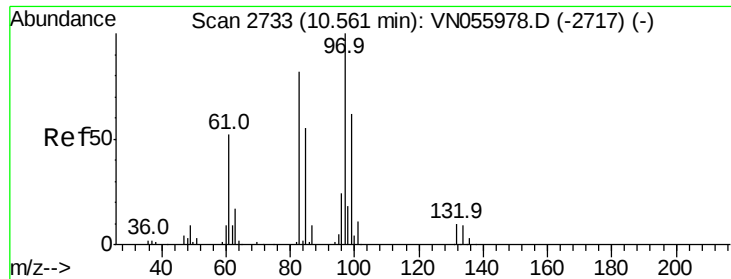
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#54
 cis-1,3-Dichloropropene
 Concen: 17.399 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	42.1	36.3	54.5





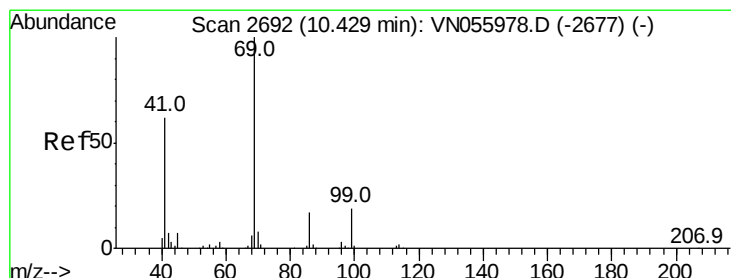
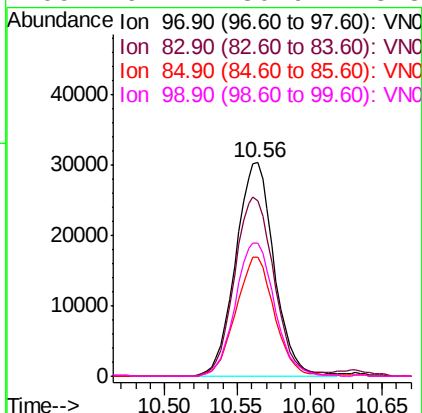
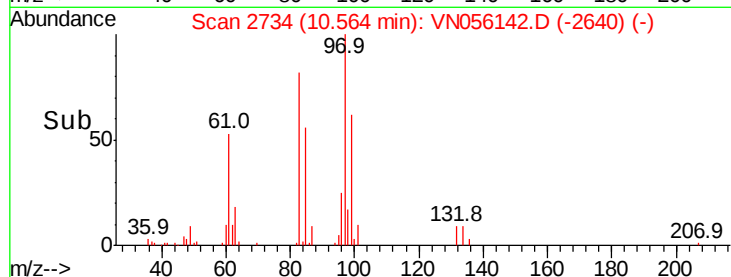
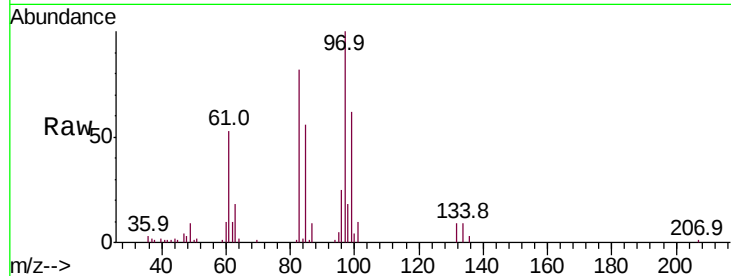
#55
 1,1,2-Trichloroethane
 Concen: 20.563 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.0	100.6
85	56.0	44.0	66.0
99	62.2	50.6	75.8

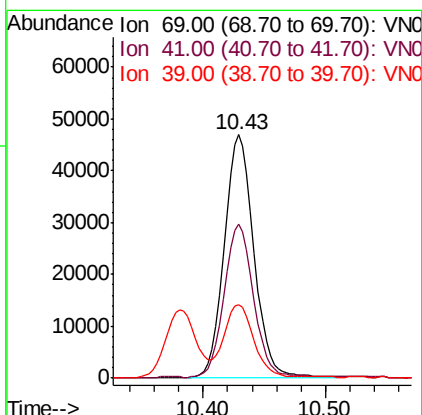
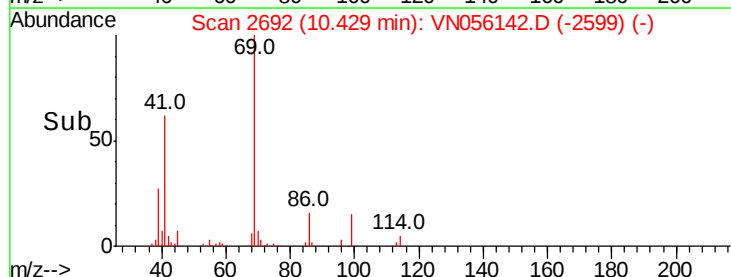
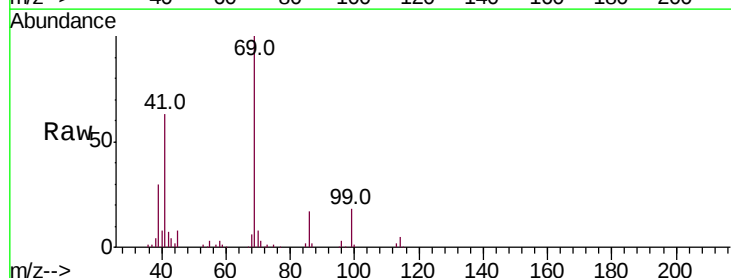
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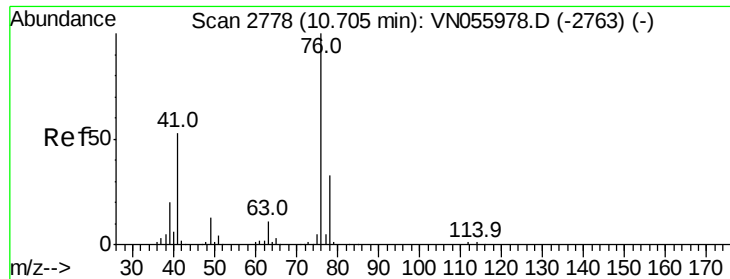
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#56
 Ethyl methacrylate
 Concen: 20.197 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.7	74.5
39	29.2	24.7	37.1





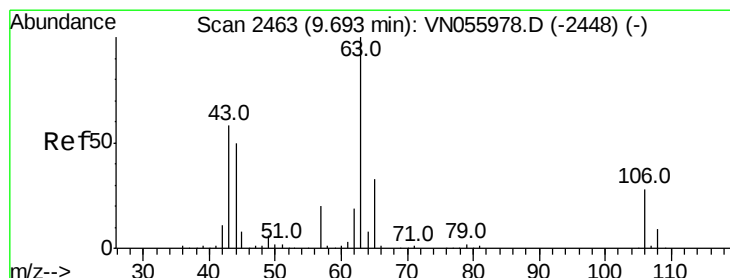
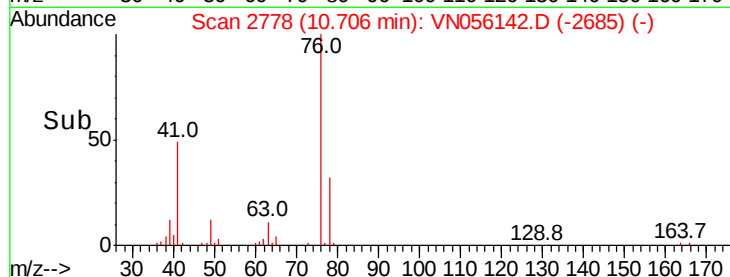
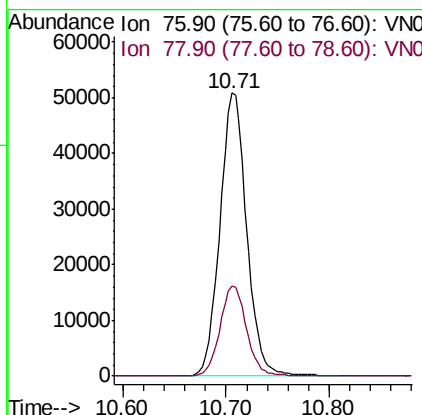
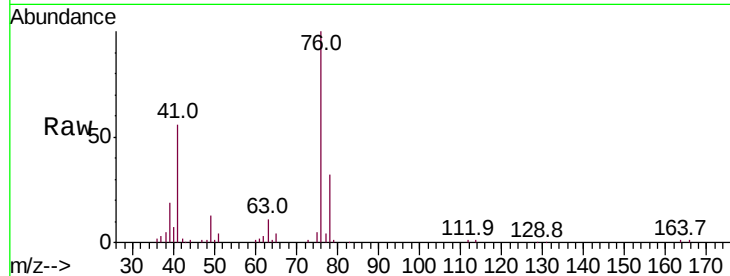
#57
 1,3-Dichloropropane
 Concen: 20.680 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion: 76 Resp: 91682
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

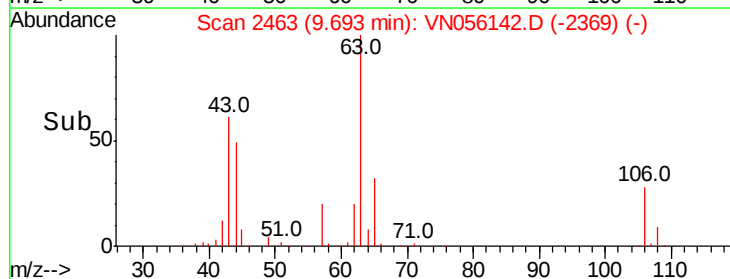
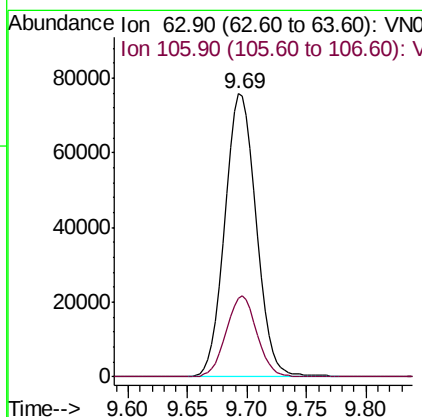
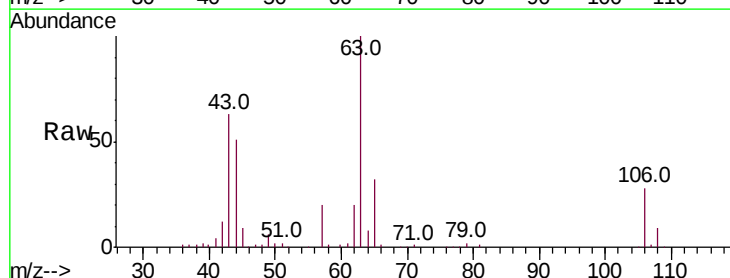
Manual Integrations
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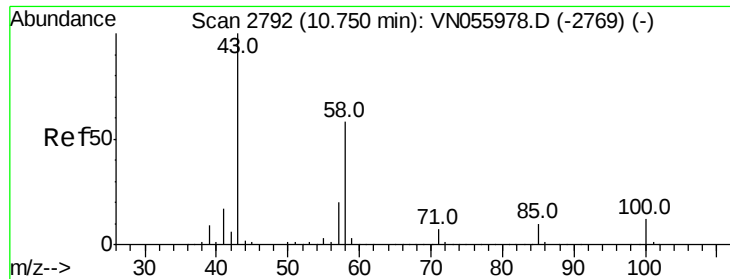
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.680 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion: 63 Resp: 138890
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1





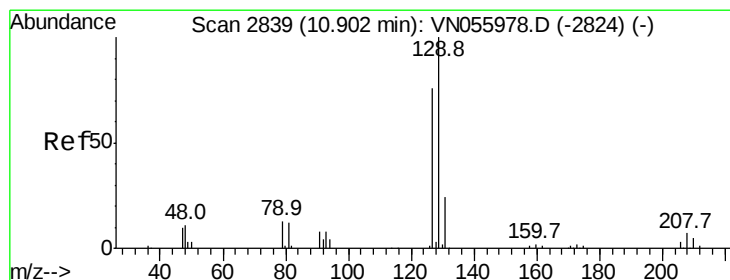
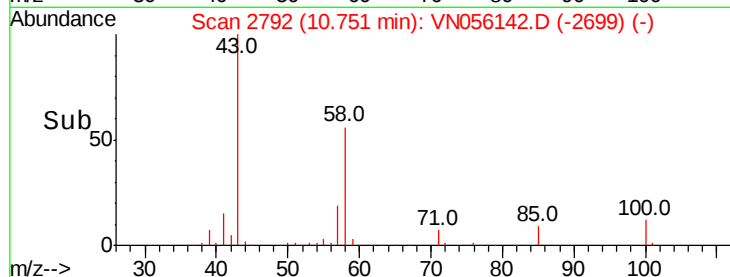
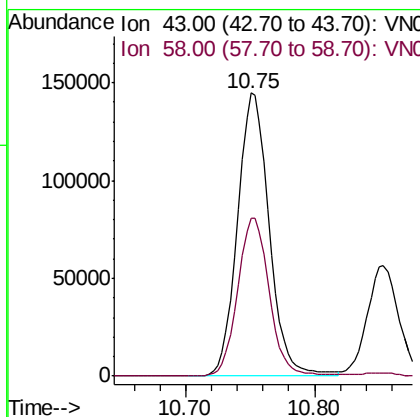
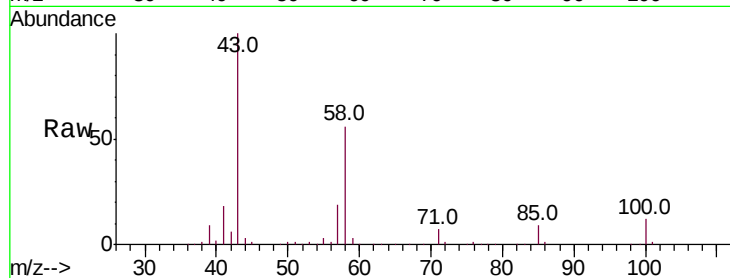
#59
2-Hexanone
Concen: 104.261 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion: 43 Resp: 248206
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.7

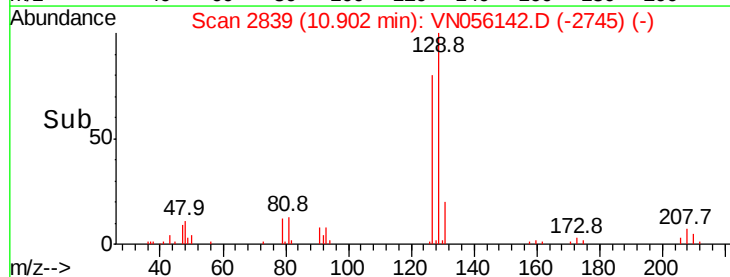
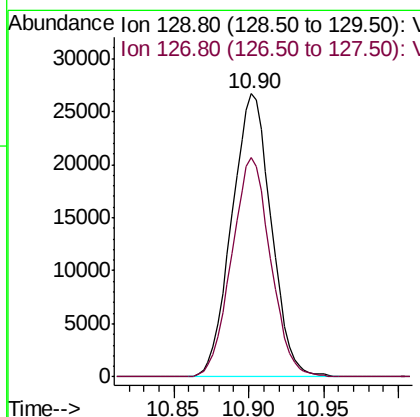
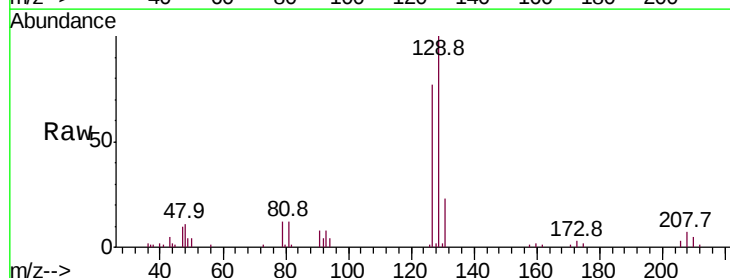
Manual Integrations
APPROVED

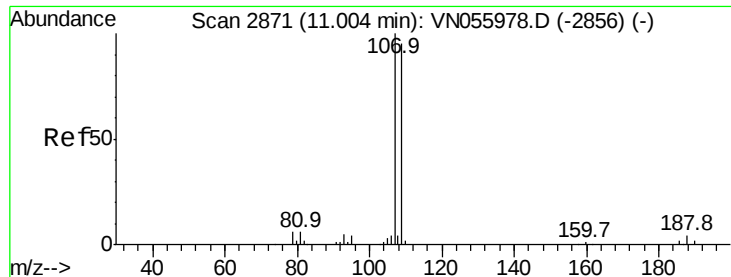
MMDadoda
6/10/2019 11:25:28 AM



#60
Dibromochloromethane
Concen: 17.894 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 129 Resp: 48843
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3





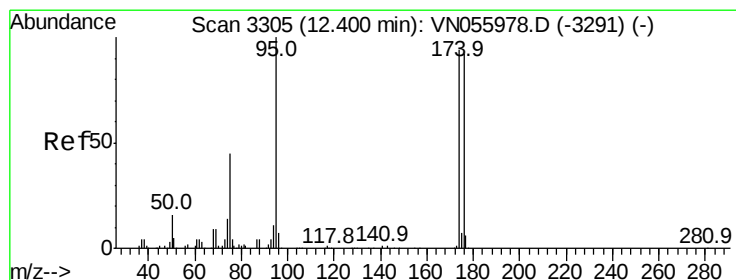
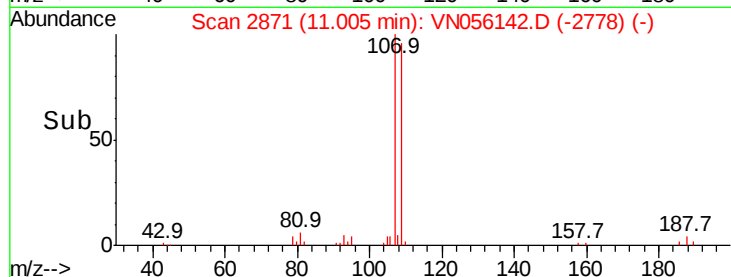
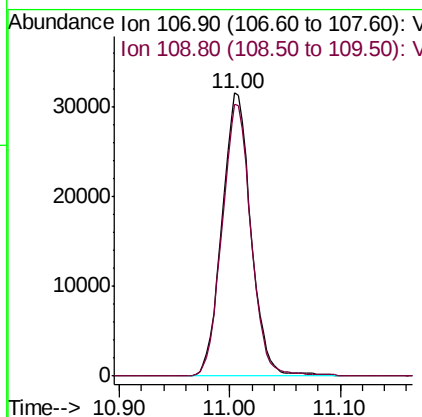
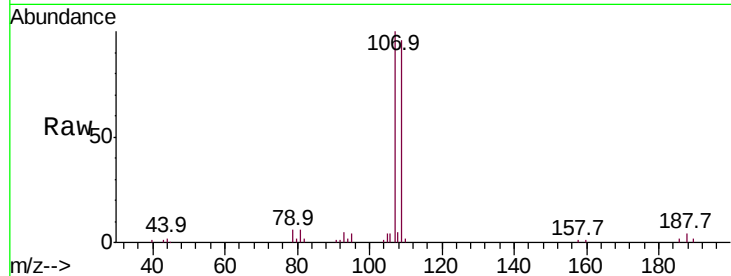
#61
 1,2-Dibromoethane
 Concen: 20.577 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	74.8	112.2

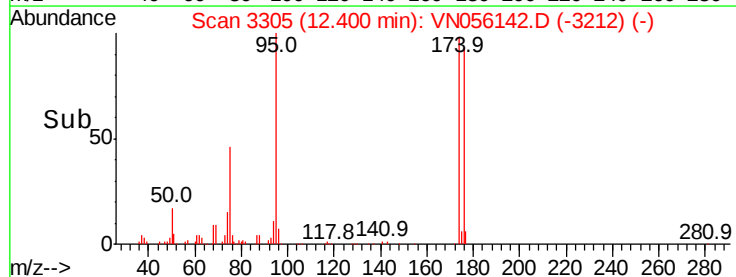
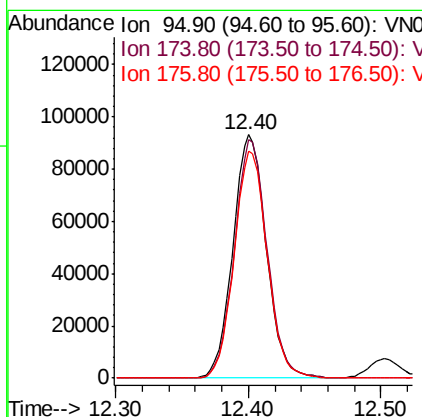
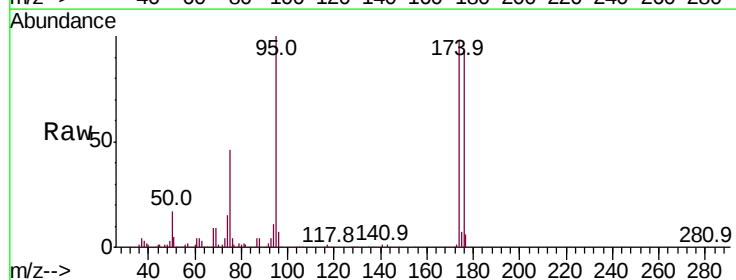
Manual Integrations
 APPROVED

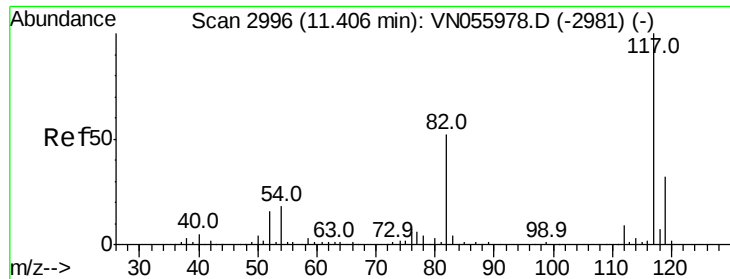
MMDadoda
 6/10/2019 11:25:28 AM



#62
 4-Bromofluorobenzene
 Concen: 47.788 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	191.0
176	92.3	0.0	185.2





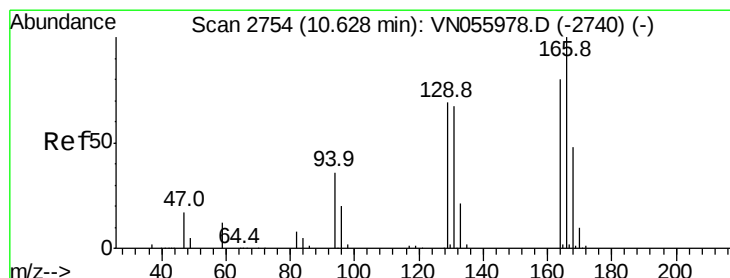
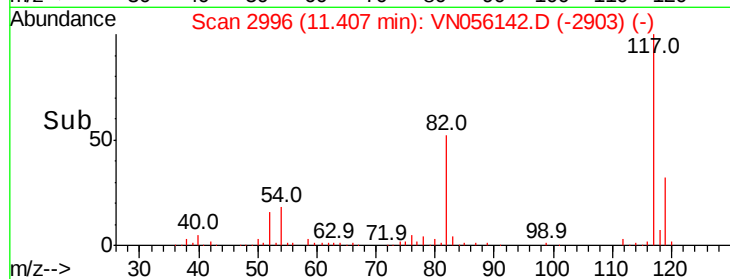
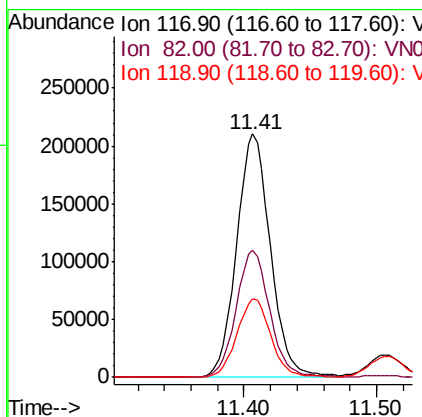
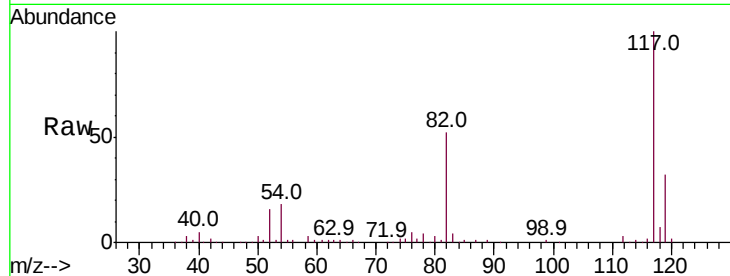
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.8
119	32.2	25.4	38.0

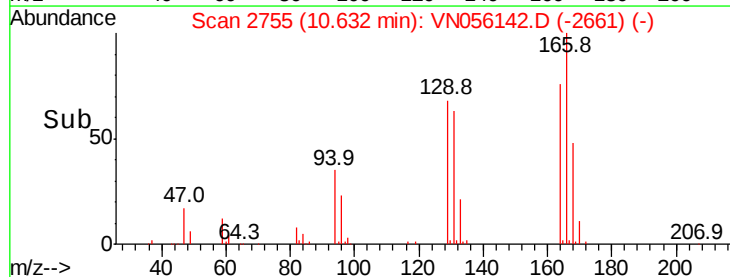
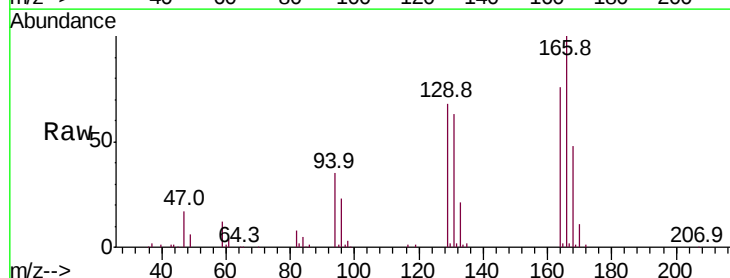
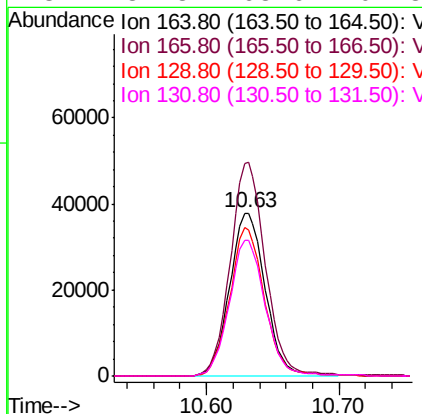
Manual Integrations
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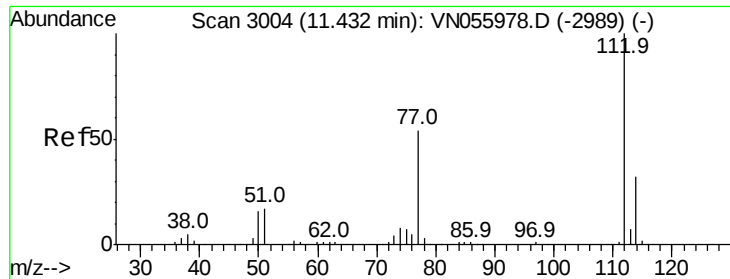
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6/10/2019 11:25:28 AM



#64
Tetrachloroethene
Concen: 21.941 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.0	154.6
129	89.7	70.6	105.8
131	82.8	68.6	102.8





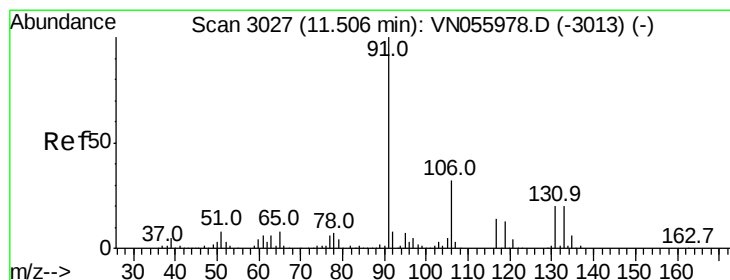
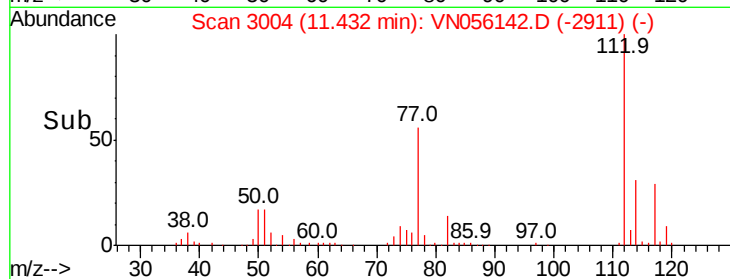
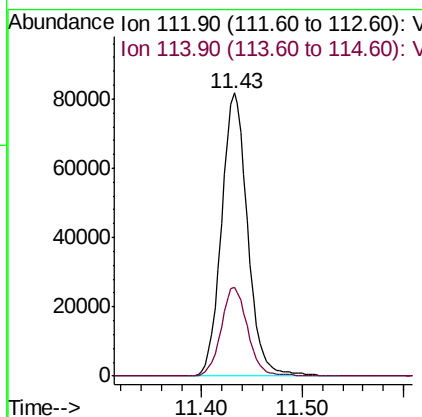
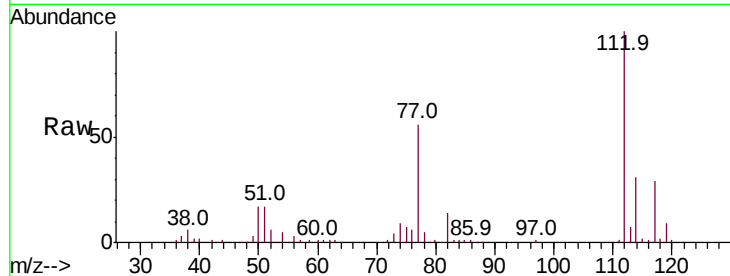
#65
Chlorobenzene
Concen: 19.965 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion:112 Resp: 147977
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.4

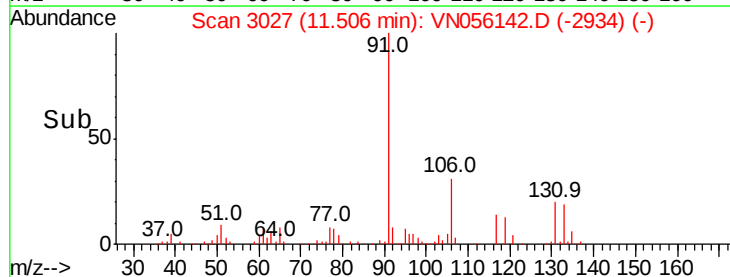
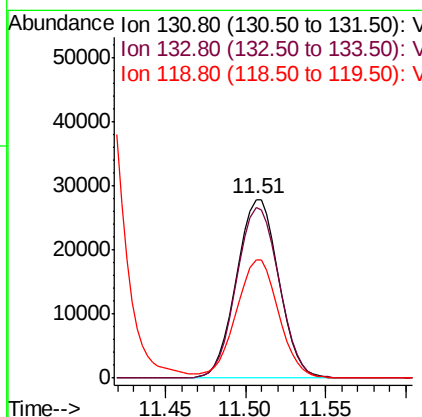
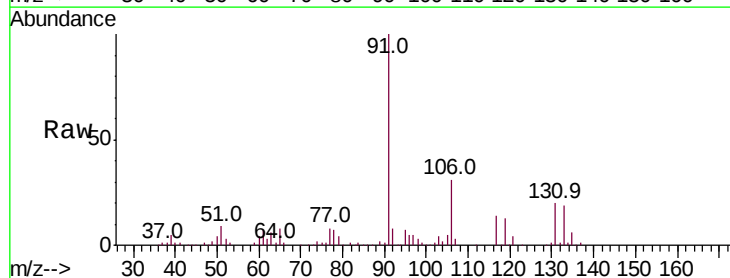
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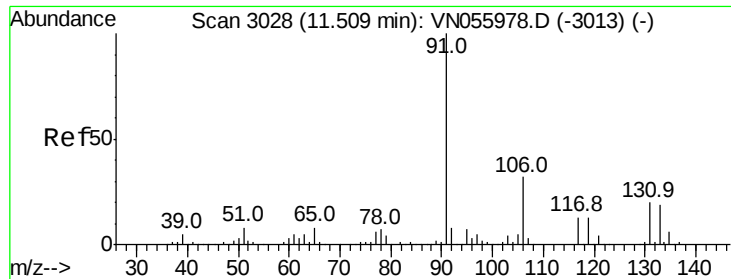
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.674 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion:131 Resp: 50350
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 67.1 33.1 99.5





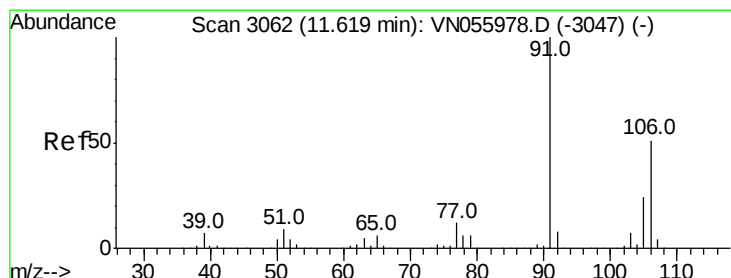
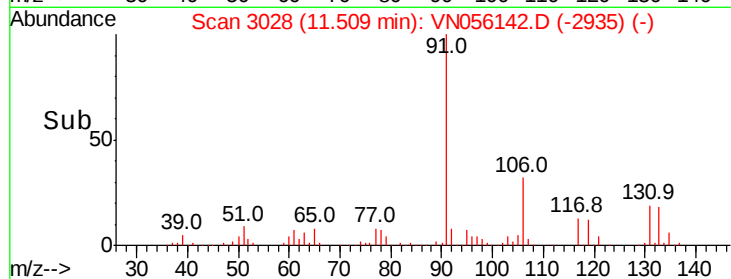
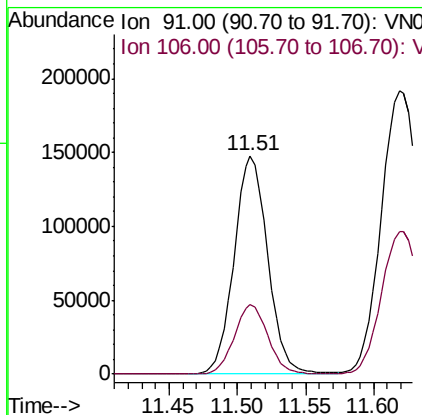
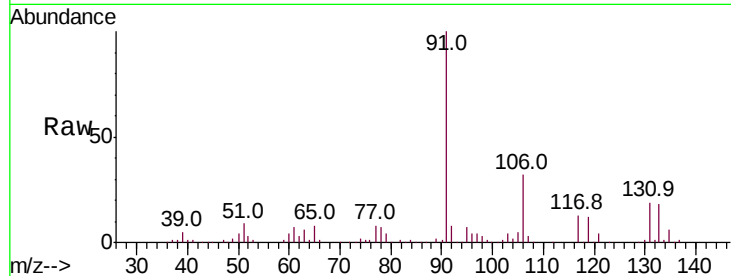
#67
Ethyl Benzene
Concen: 19.644 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS04

Tot Ion: 91 Resp: 253178
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

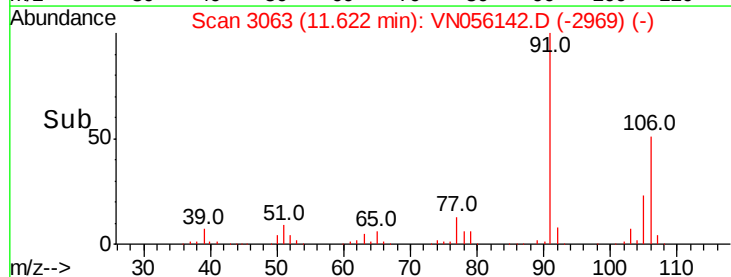
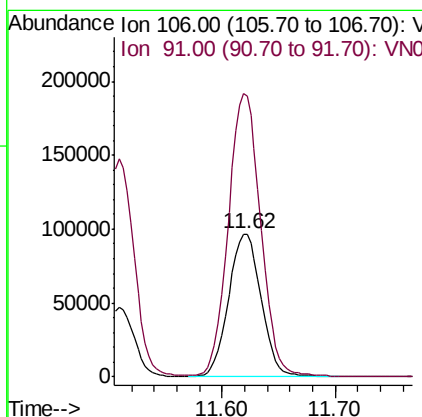
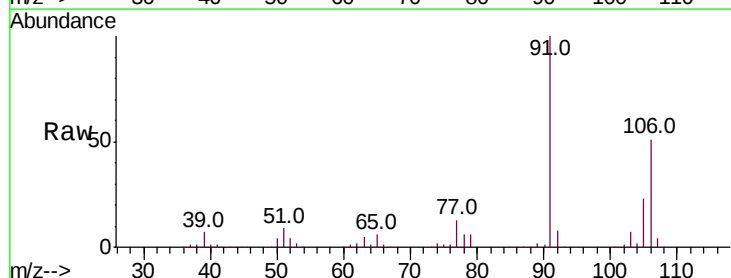
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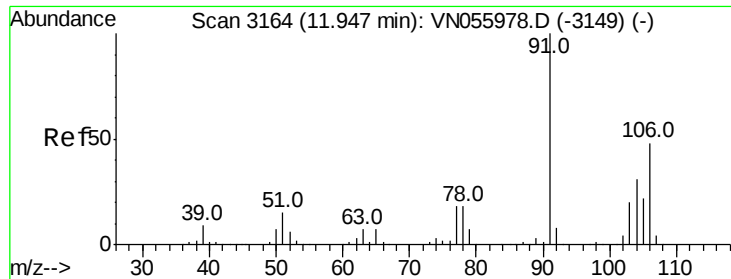
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#68
m/p-Xylenes
Concen: 39.519 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 106 Resp: 194570
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9





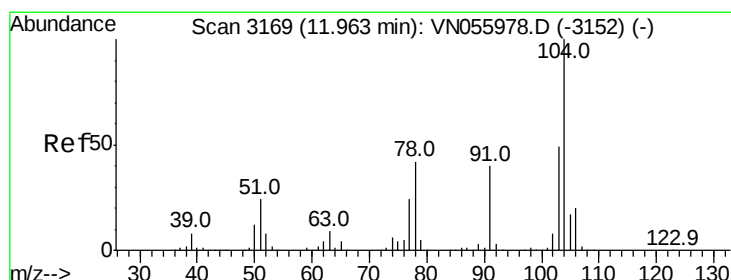
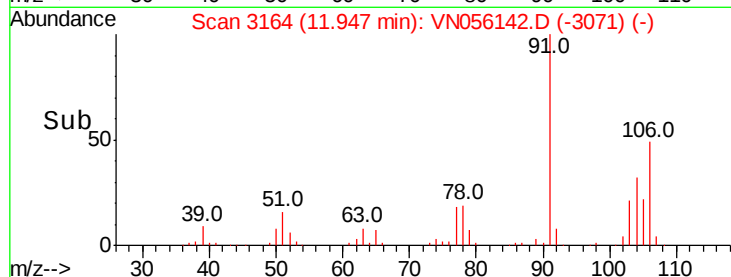
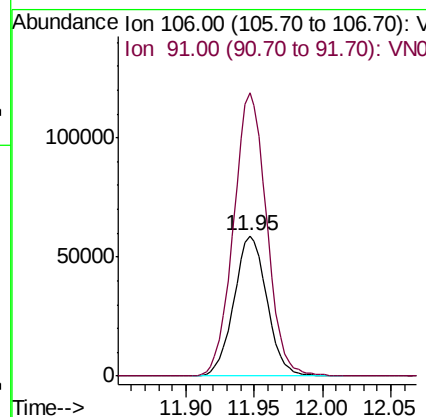
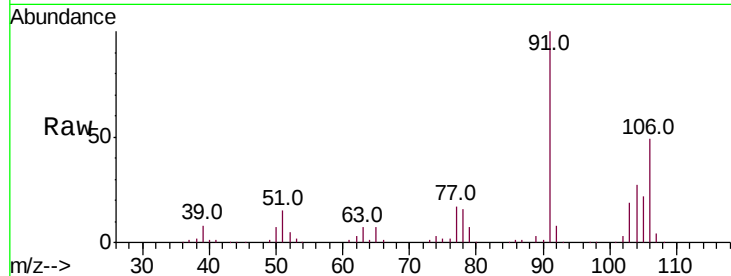
#69
o-Xylene
Concen: 20.400 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion:106 Resp: 98798
Ion Ratio Lower Upper
106 100
91 202.6 104.7 314.1

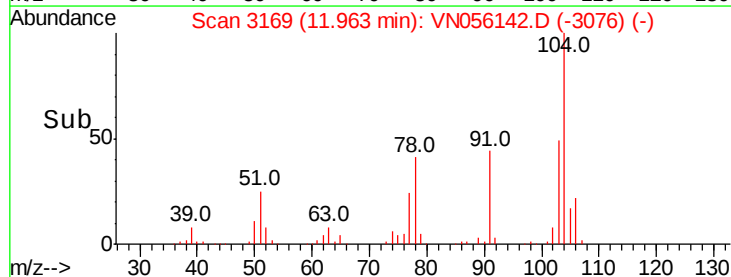
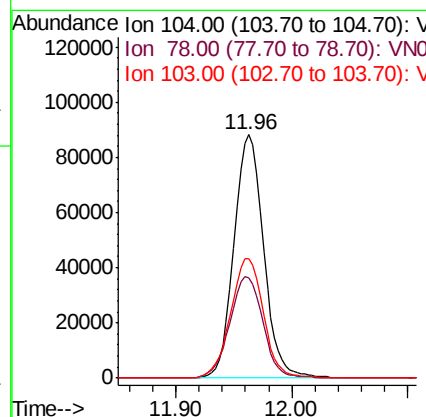
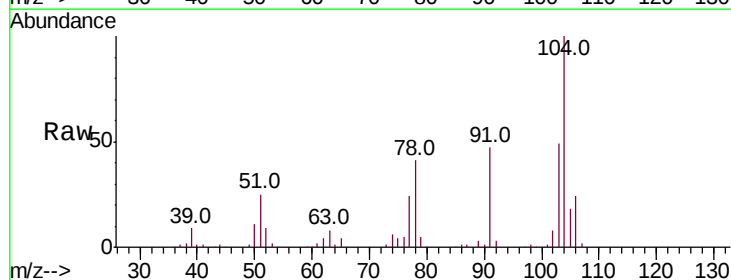
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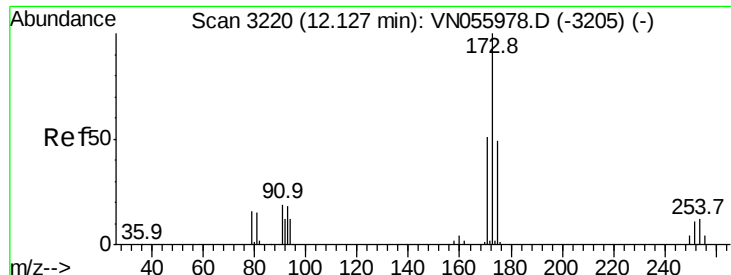
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#70
Styrene
Concen: 20.239 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion:104 Resp: 155737
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.6 44.2 66.2





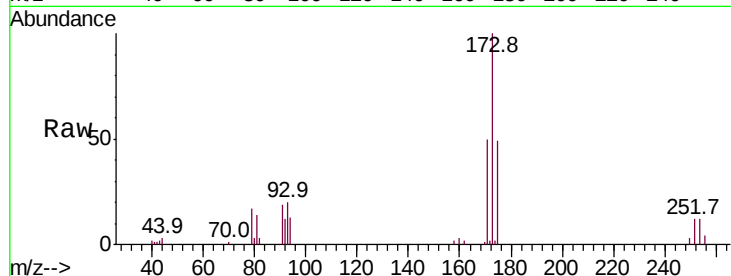
#71
Bromoform
Concen: 17.228 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

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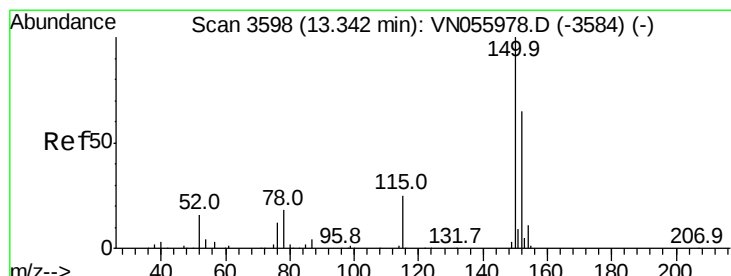
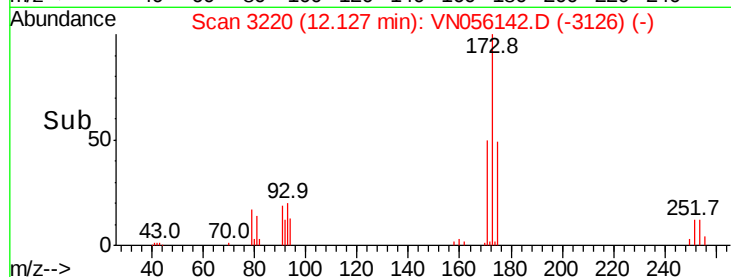
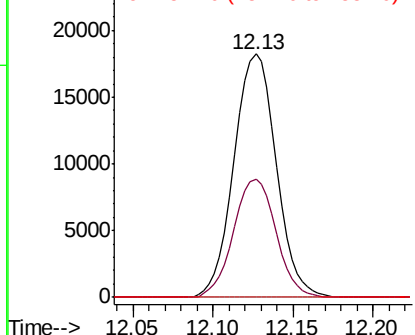


Abundance

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# 3598
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

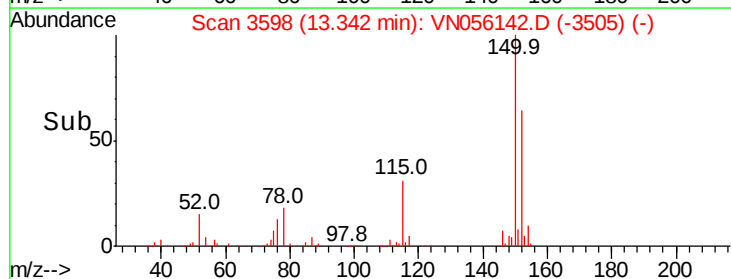
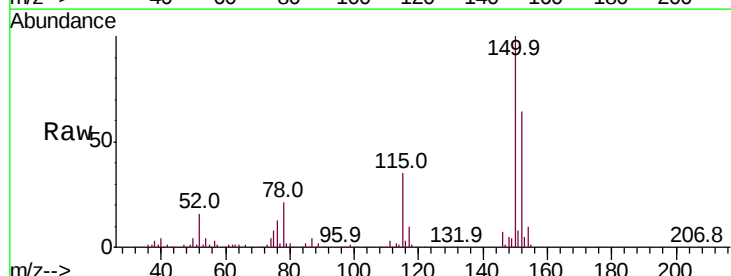
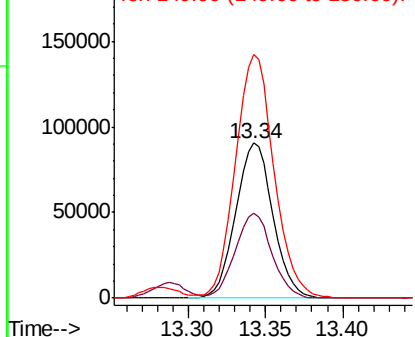
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.0	81.0
150	163.5	0.0	343.2

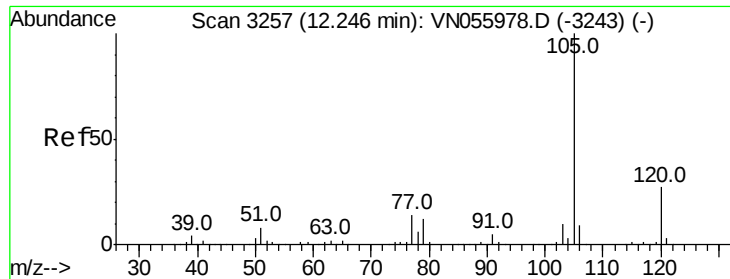
Abundance

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: 22.174 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion:105 Resp: 252458

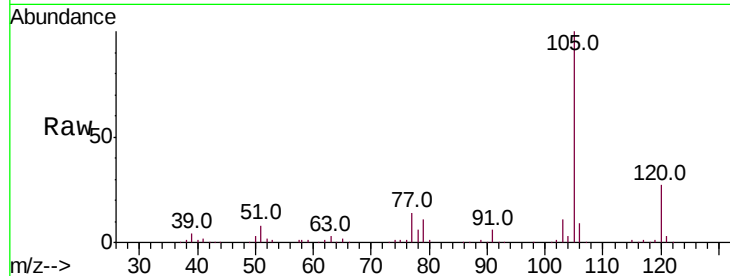
Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

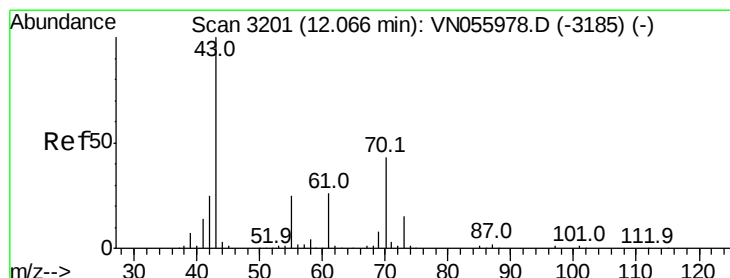
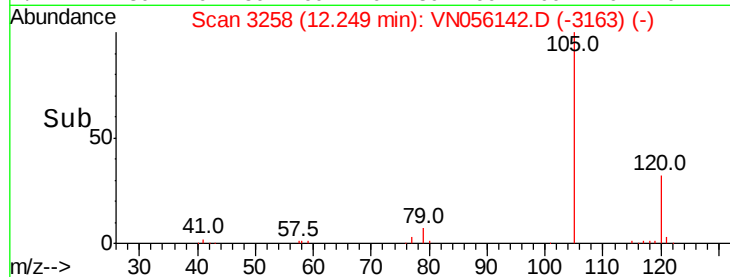
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.246 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion: 43 Resp: 85280

Ion Ratio Lower Upper

43 100

70 43.1 34.0 51.0

55 25.5 18.6 28.0

61 24.8 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

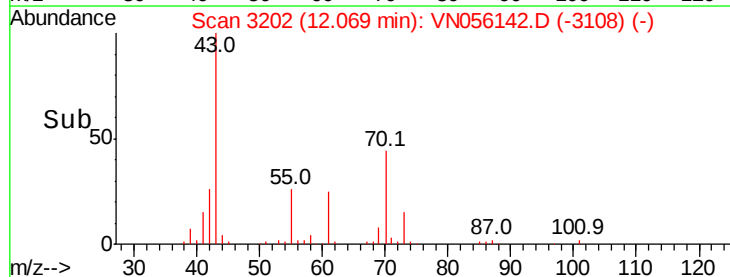
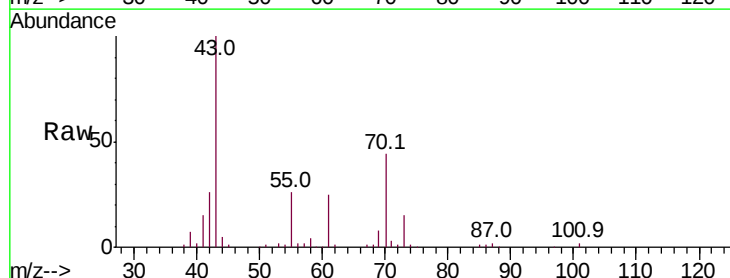
60000

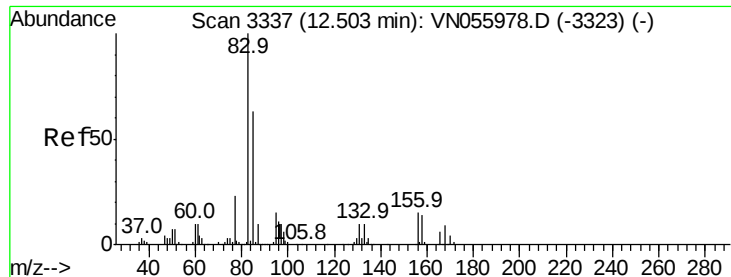
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.980 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion: 83 Resp: 76836

Ion Ratio Lower Upper

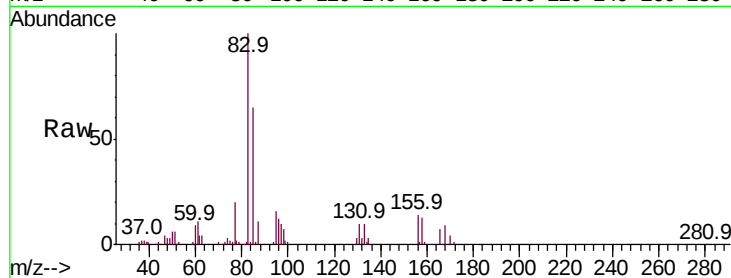
83 100

131 10.7 5.4 16.2

85 65.4 32.4 97.0

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6/10/2019 11:25:28 AM

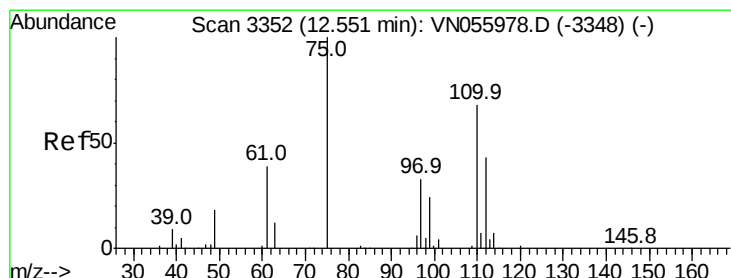
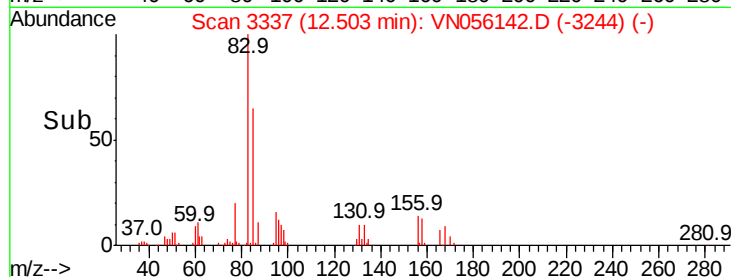
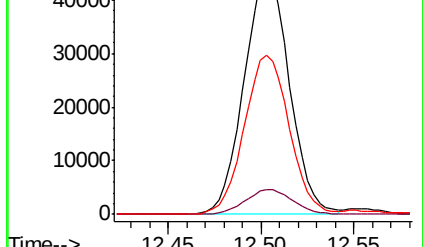


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.846 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056142.D

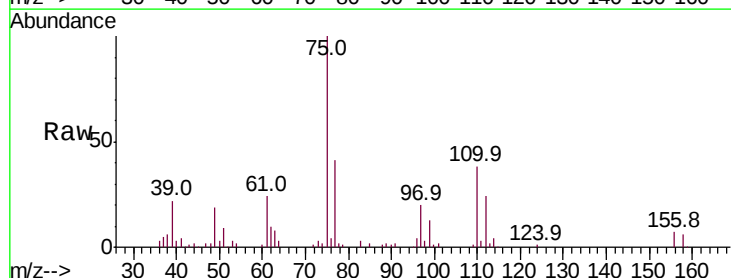
Acq: 8 Jun 2019 10:22

Tgt Ion: 75 Resp: 66073

Ion Ratio Lower Upper

75 100

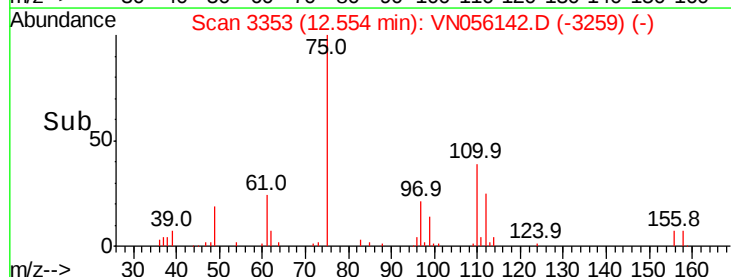
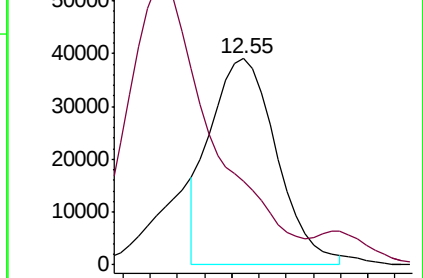
77 0.0 0.0 0.0

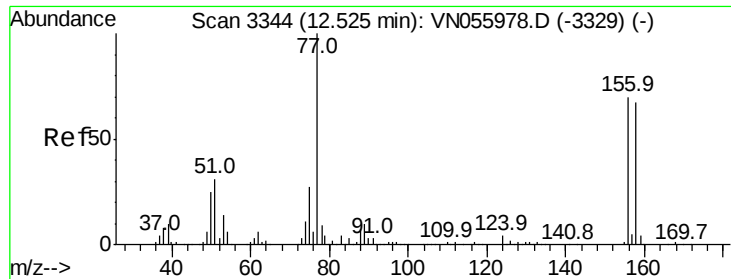


Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)

Time-->





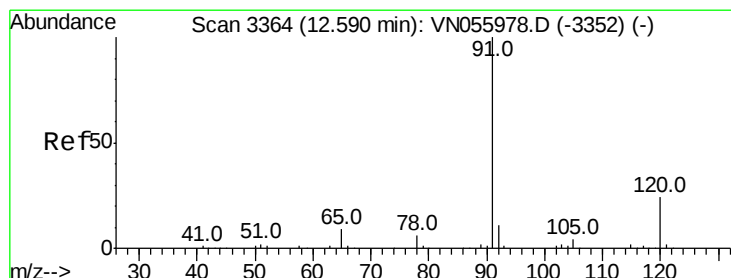
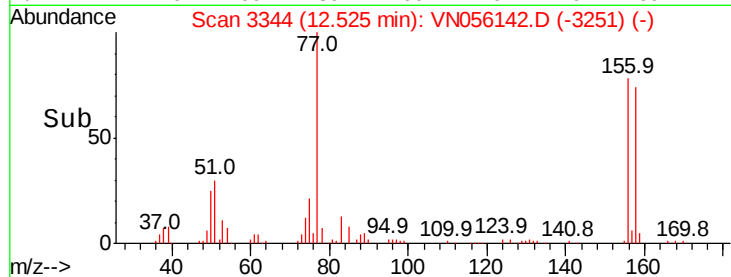
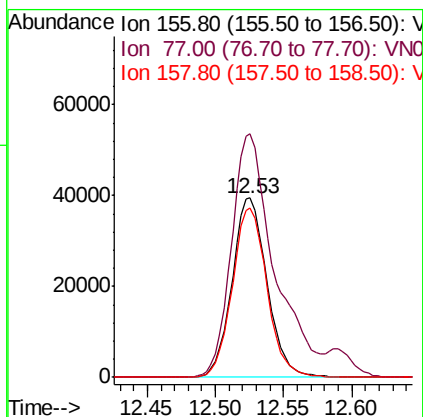
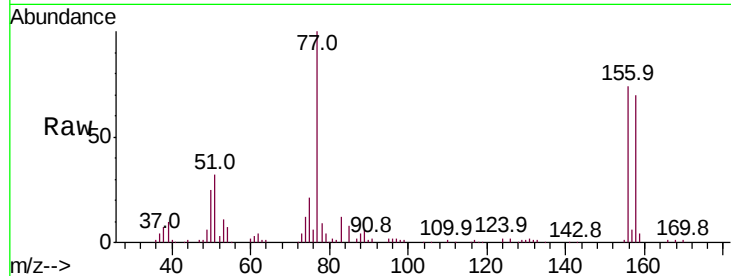
#77
Bromobenzene
Concen: 21.765 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.7	90.8	272.5
158	93.6	49.3	147.8

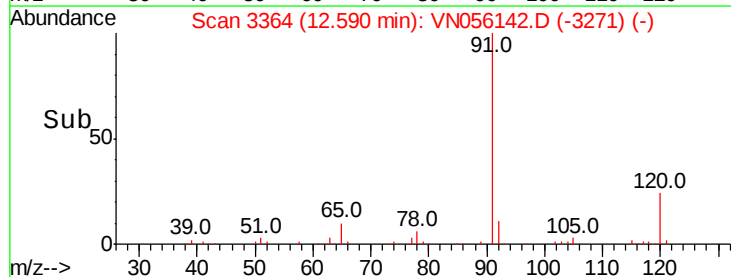
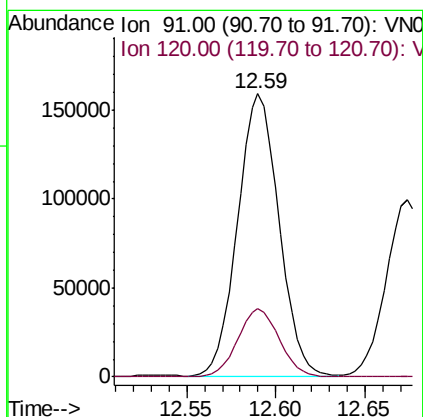
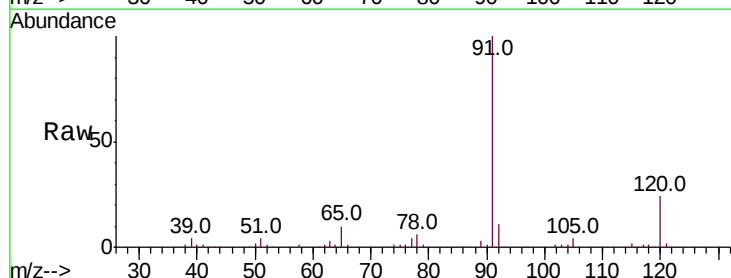
Manual Integrations
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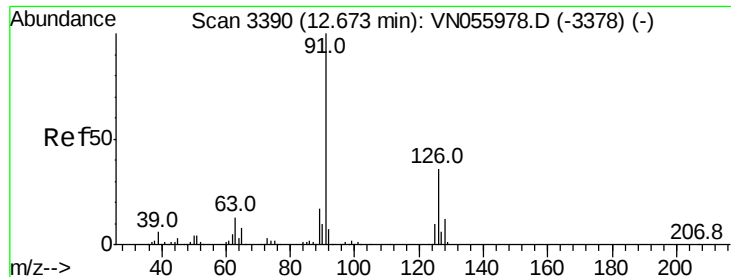
MMDadoda
6/10/2019 11:25:28 AM



#78
n-propylbenzene
Concen: 20.075 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.906 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS04

Tot Ion: 91 Resp: 164008

Ion Ratio Lower Upper

91 100

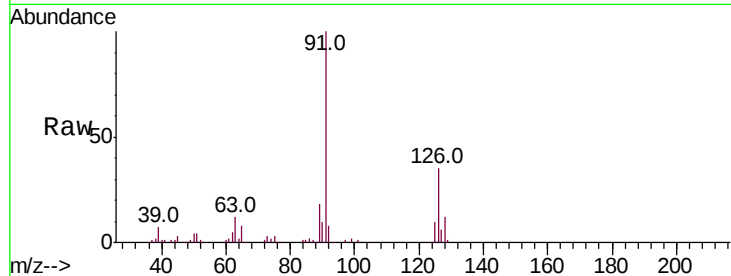
126 36.0 18.1 54.4

Manual Integrations

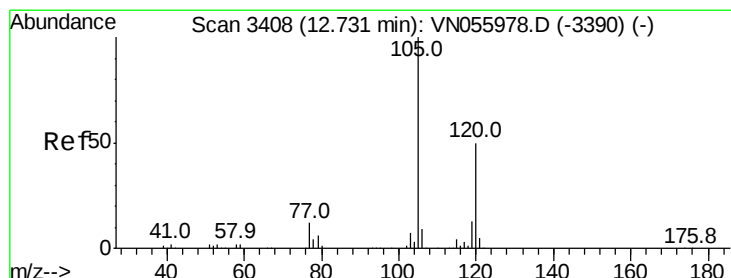
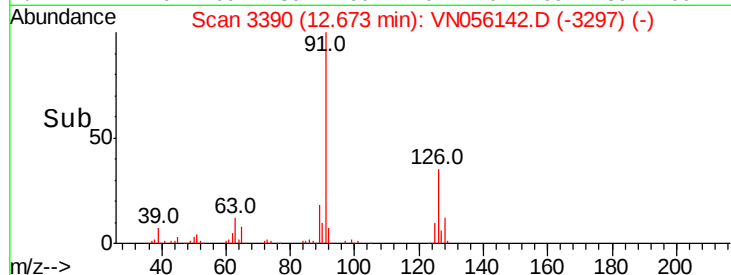
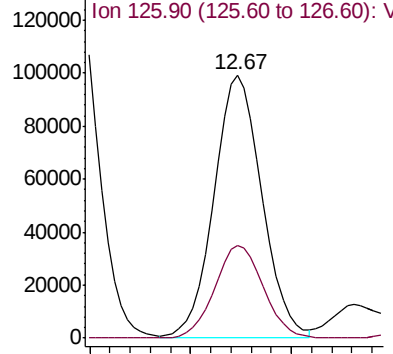
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.091 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056142.D

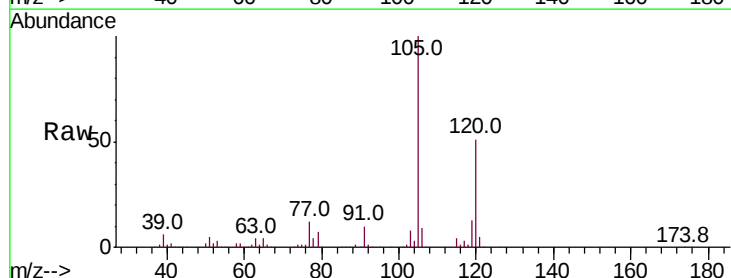
Acq: 8 Jun 2019 10:22

Tgt Ion: 105 Resp: 203410

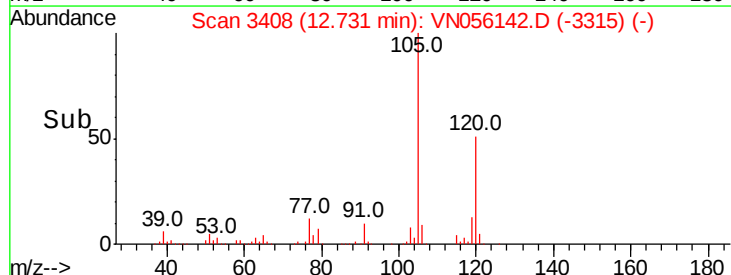
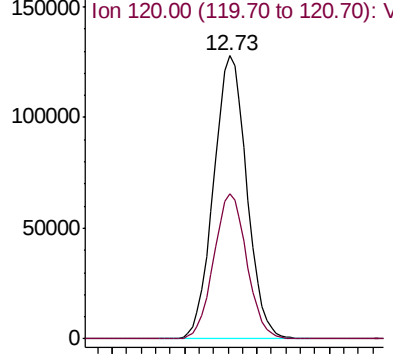
Ion Ratio Lower Upper

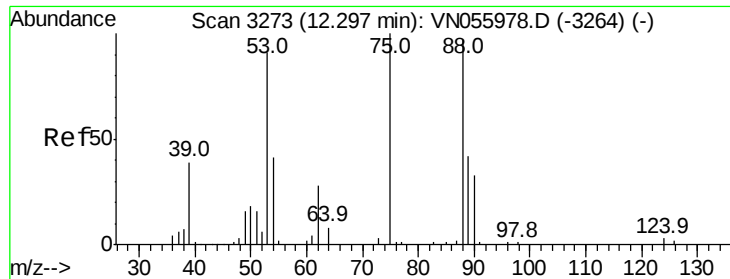
105 100

120 51.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





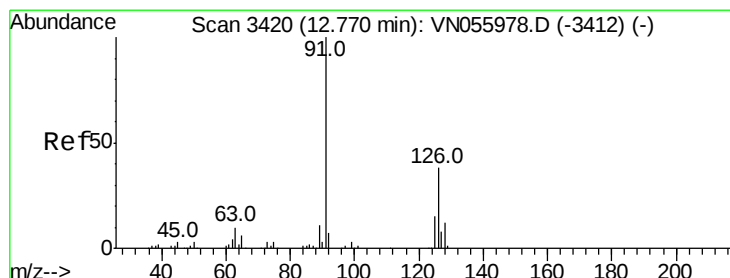
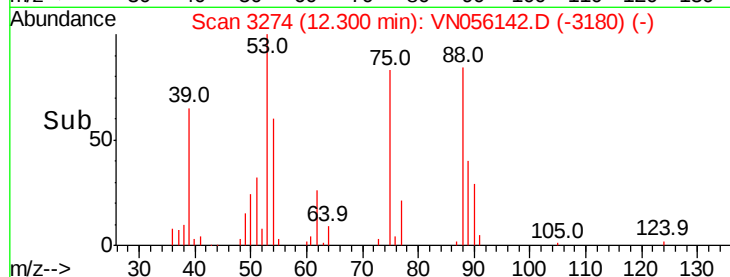
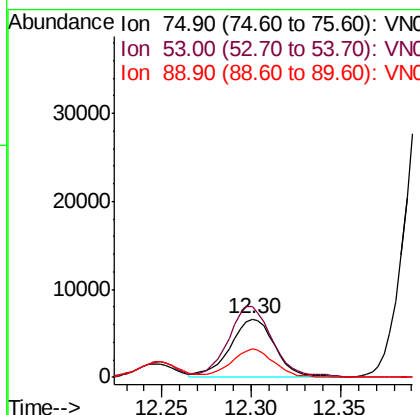
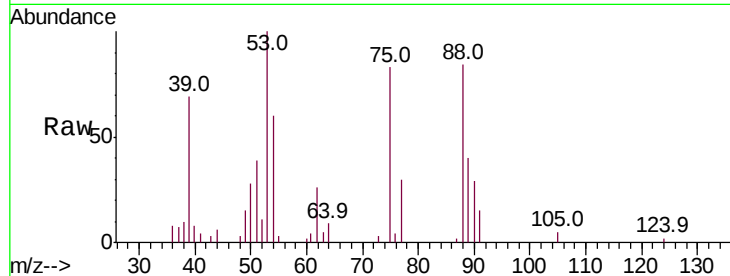
#81
trans-1,4-Dichloro-2-butene
Concen: 14.028 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion: 75 Resp: 11672
Ion Ratio Lower Upper
75 100
53 119.1 68.1 102.1#
89 45.5 36.9 55.3

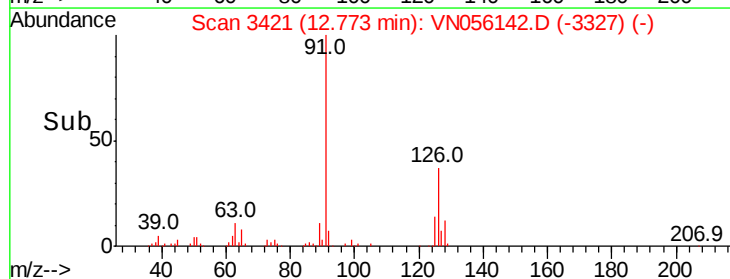
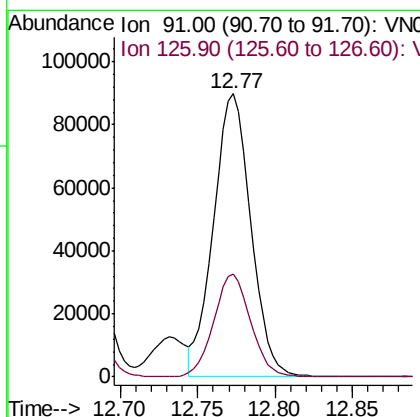
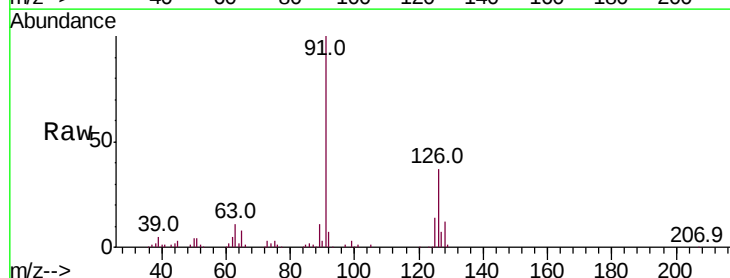
Manual Integrations
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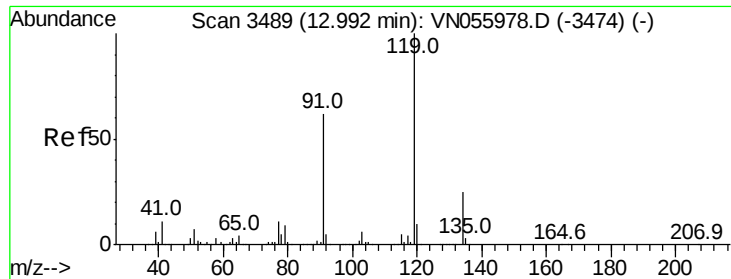
MMDadoda
6/10/2019 11:25:28 AM



#82
4-Chlorotoluene
Concen: 20.262 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion: 91 Resp: 151011
Ion Ratio Lower Upper
91 100
126 36.1 17.8 53.3





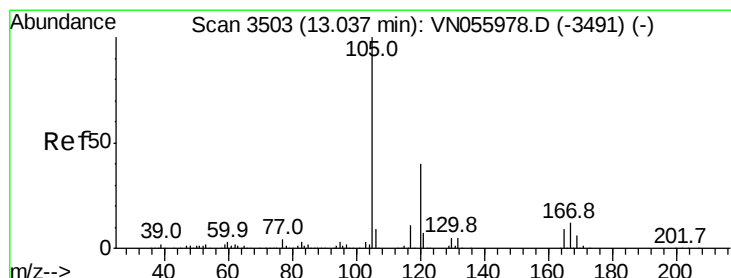
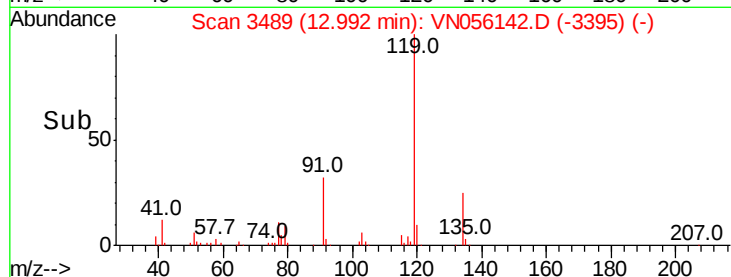
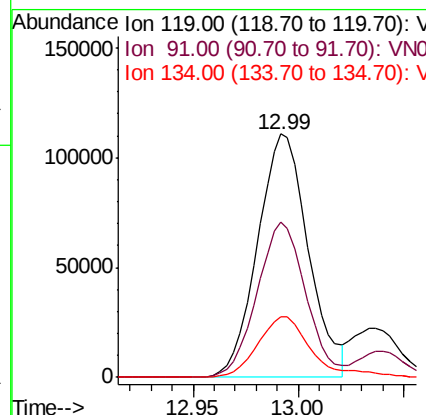
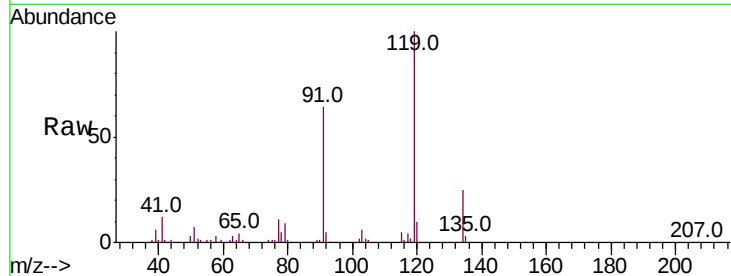
#83
tert-Butylbenzene
Concen: 22.096 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.9	92.8
134	26.4	13.3	39.8

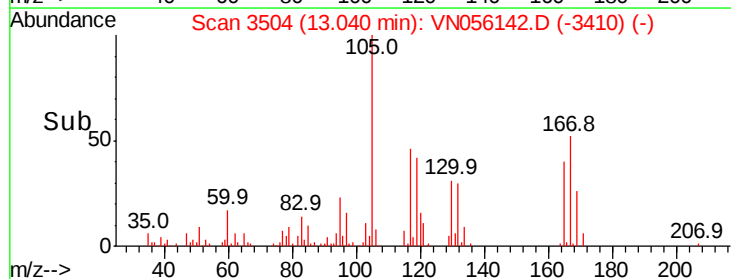
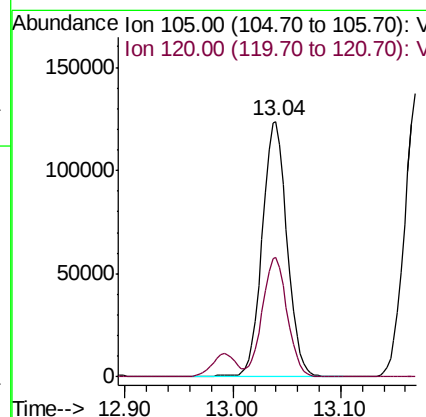
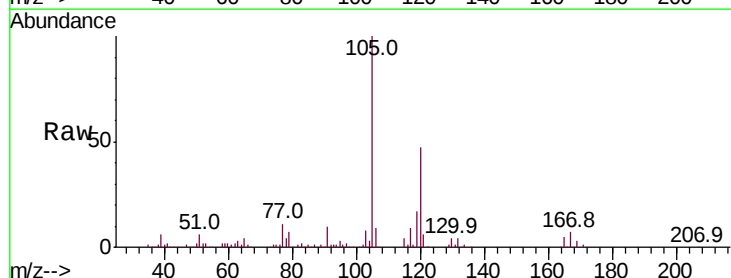
Manual Integrations
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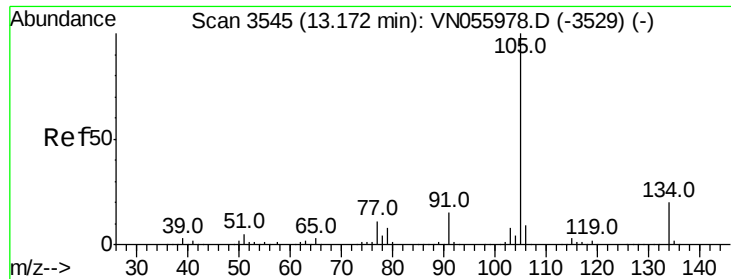
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.619 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.147 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS04

Tot Ion:105 Resp: 227289

Ion Ratio Lower Upper

105 100

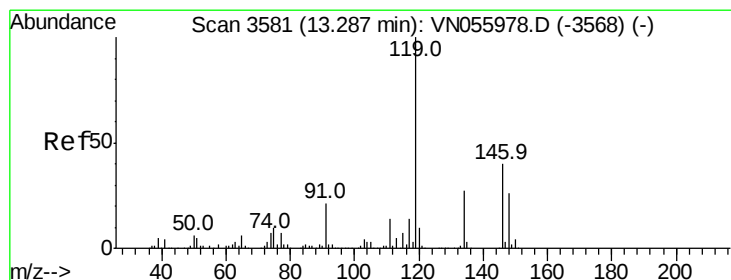
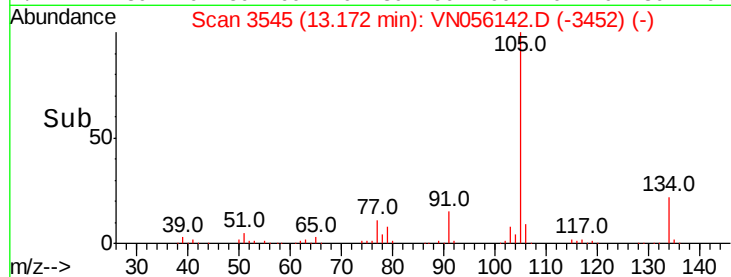
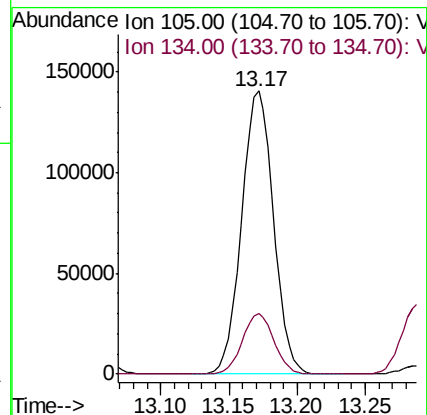
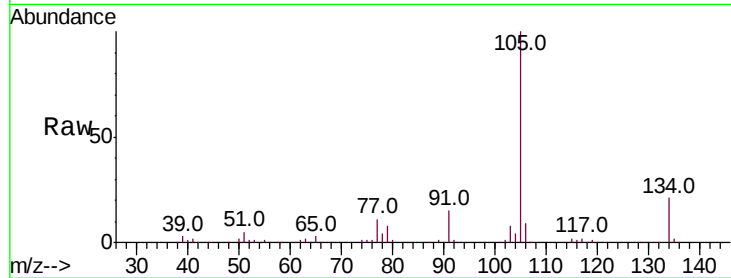
134 21.1 10.4 31.2

Manual Integrations

APPROVED

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6/10/2019 11:25:28 AM



#86

p-Isopropyltoluene

Concen: 19.705 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

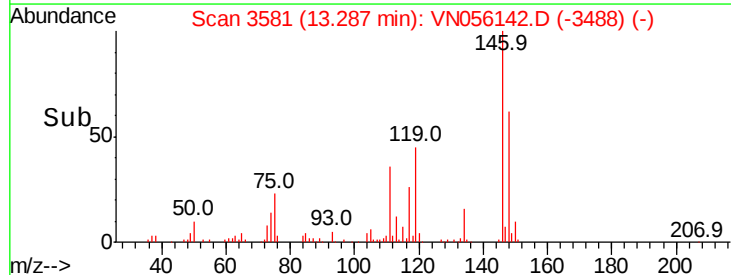
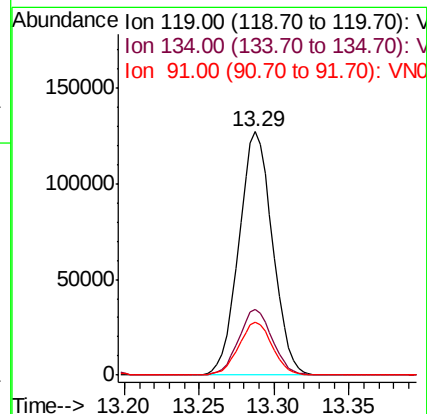
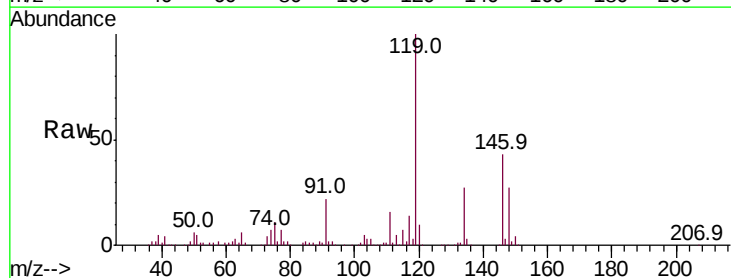
Tgt Ion:119 Resp: 198955

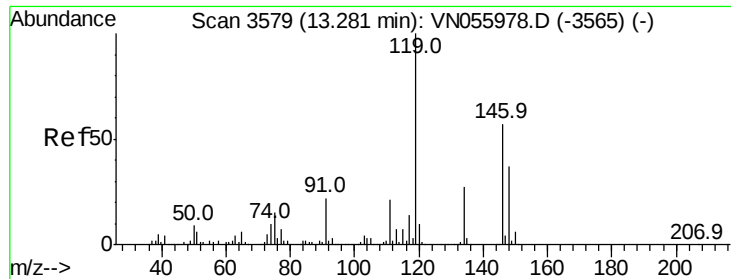
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.6 10.9 32.9





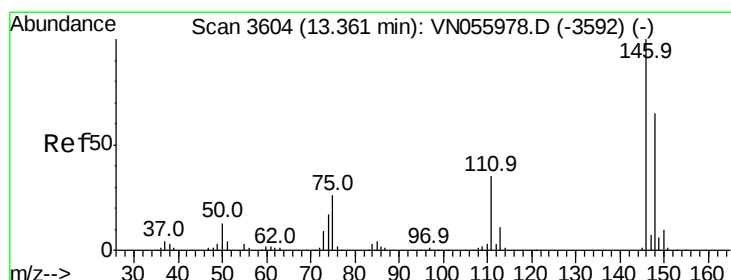
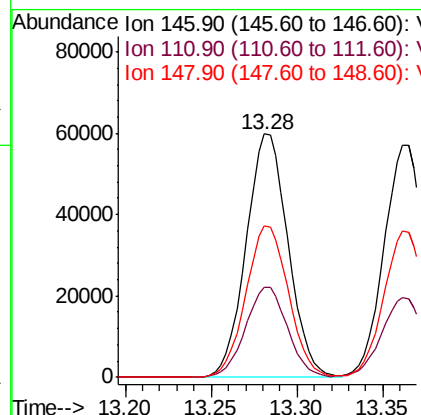
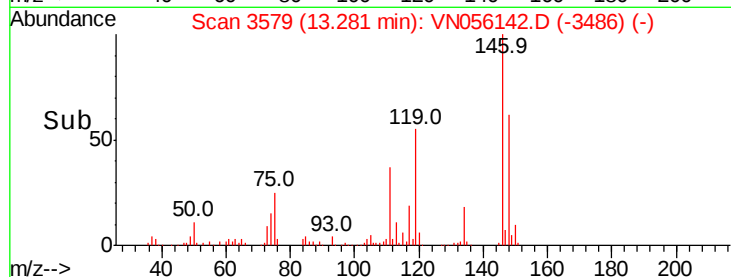
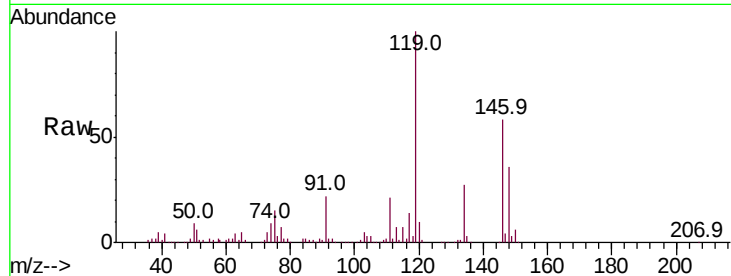
#87
 1,3-Dichlorobenzene
 Concen: 20.248 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	63.4	32.0	96.2

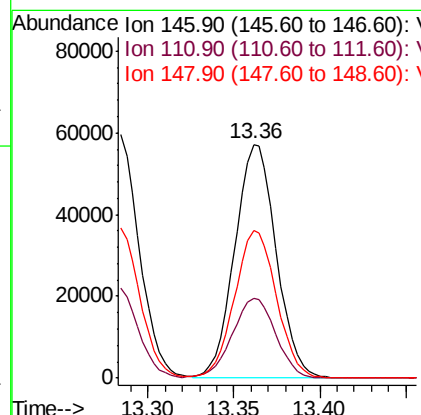
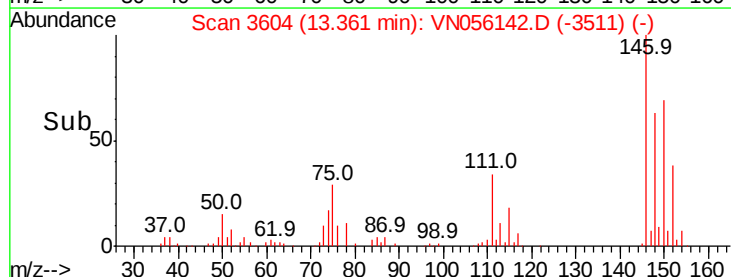
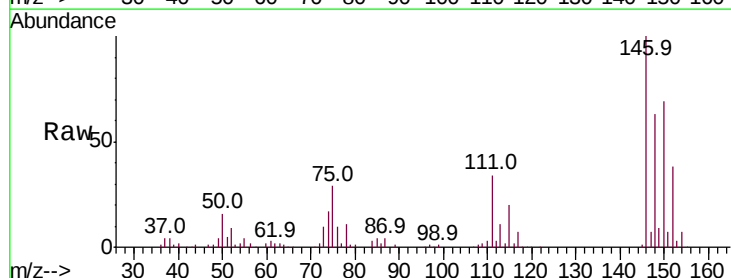
Manual Integrations
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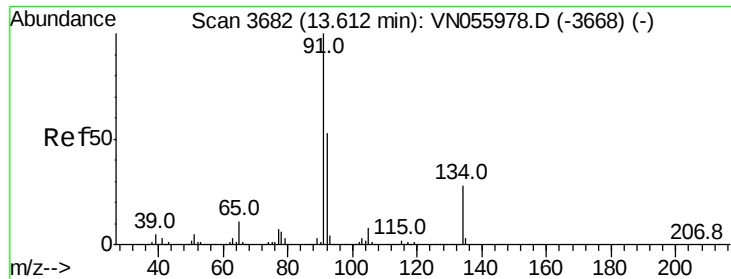
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#88
 1,4-Dichlorobenzene
 Concen: 19.915 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.4
148	63.9	32.1	96.5





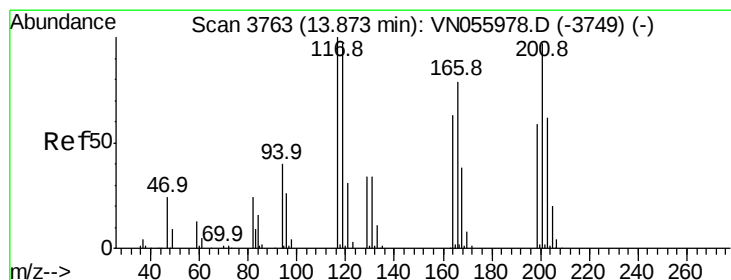
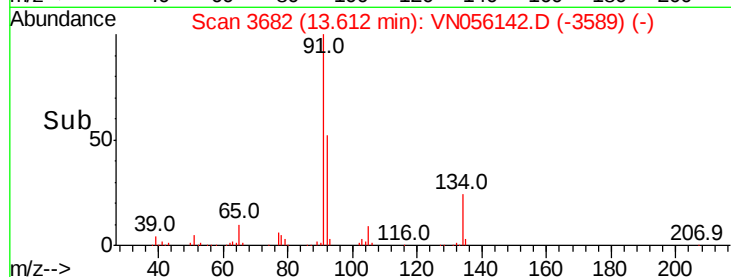
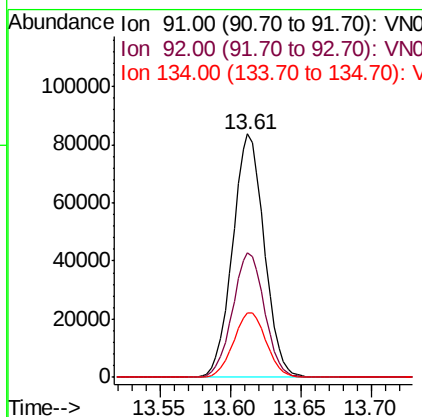
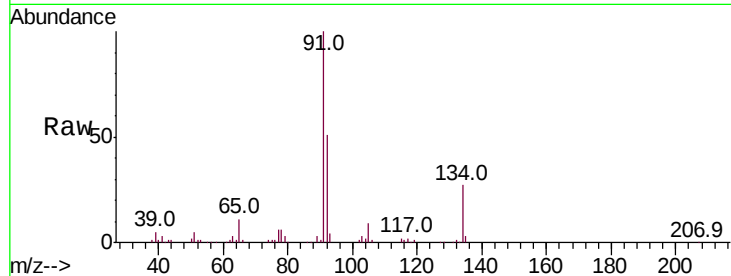
#89
n-Butylbenzene
Concen: 17.549 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS04

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.0
134	27.5	13.9	41.7

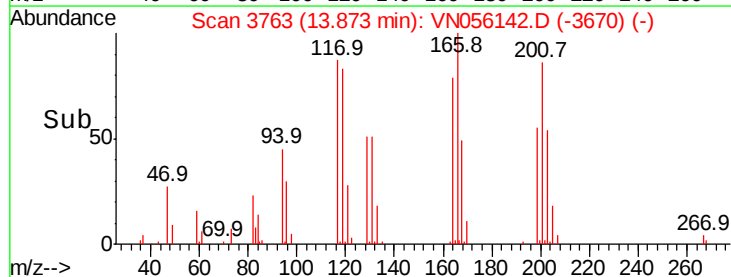
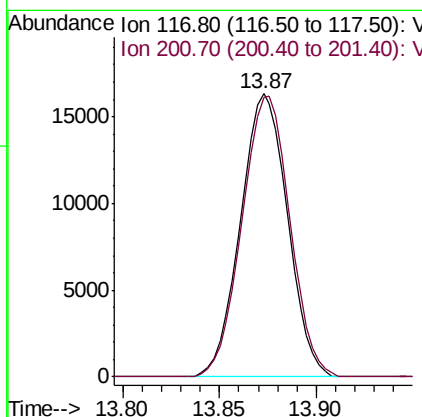
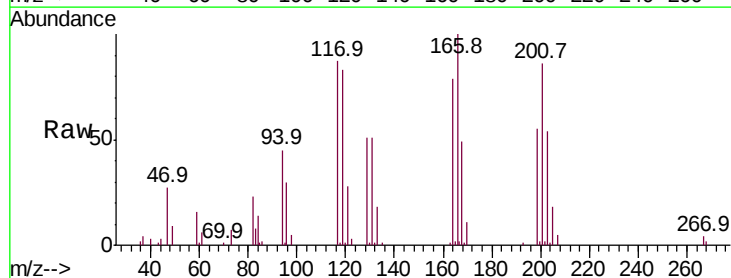
Manual Integrations
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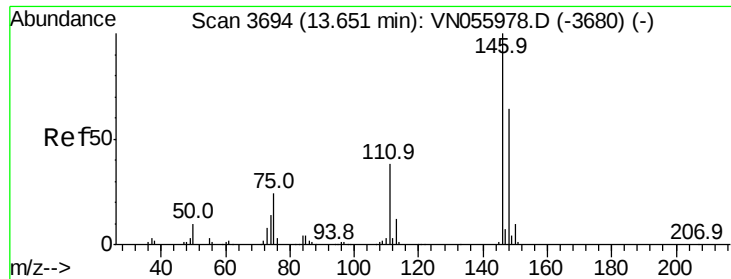
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#90
Hexachloroethane
Concen: 18.153 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056142.D
Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.0	50.0	150.0





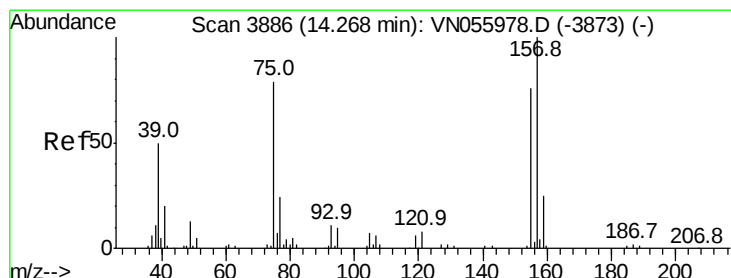
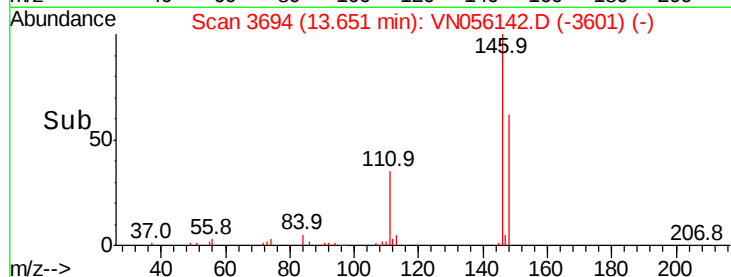
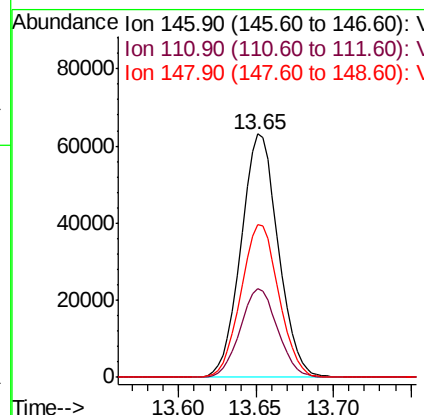
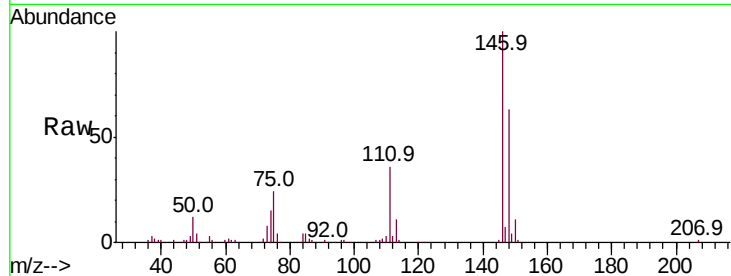
#91
 1,2-Dichlorobenzene
 Concen: 20.924 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	19.1	57.5
148	63.8	31.9	95.9

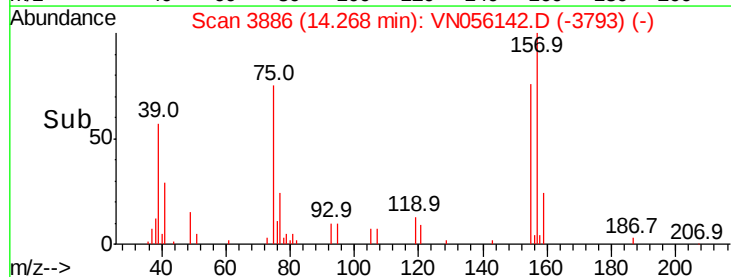
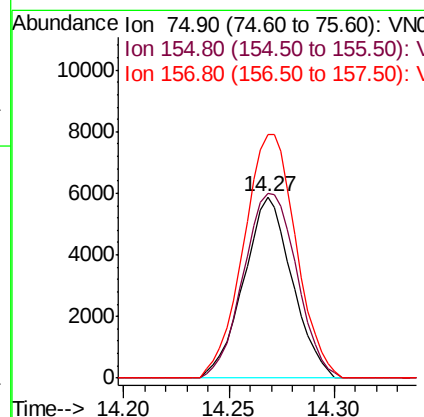
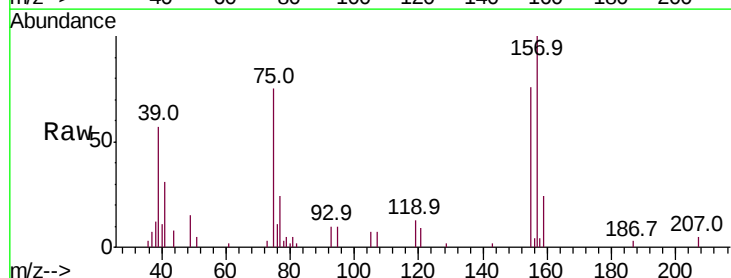
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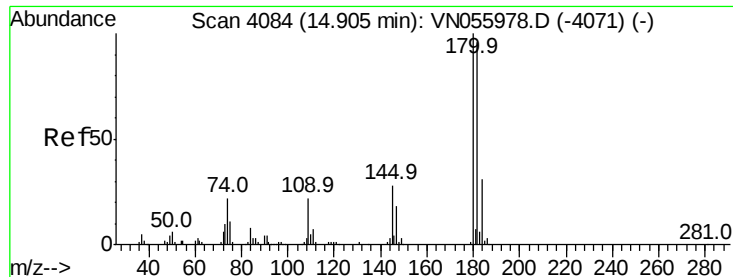
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.794 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.1	50.0	150.1
157	145.5	64.8	194.3





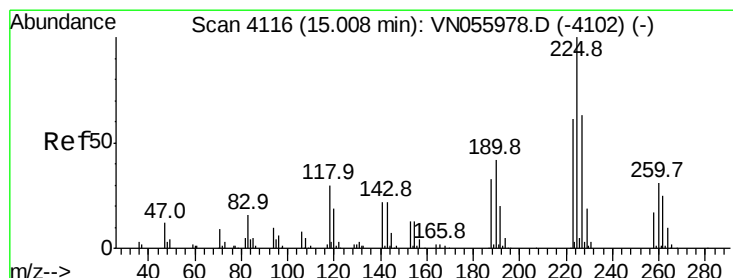
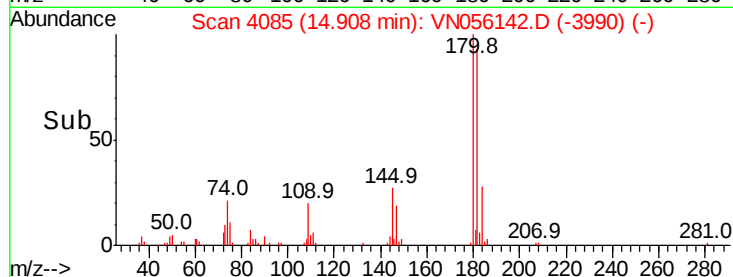
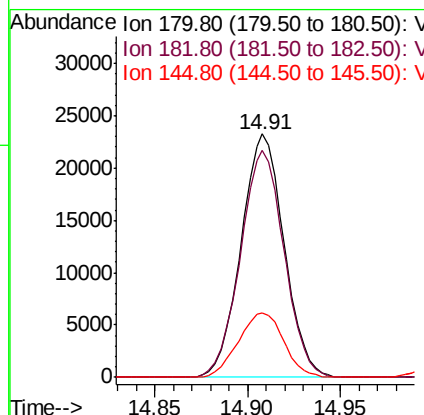
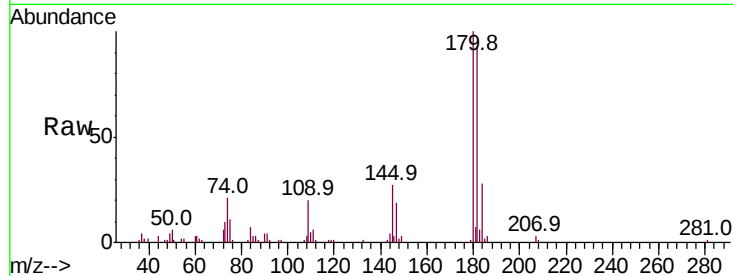
#93
 1,2,4-Trichlorobenzene
 Concen: 16.634 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS04

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	48.3	144.9	
145	27.9	14.0	41.9	

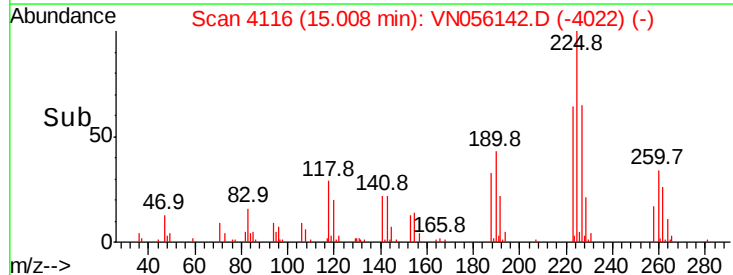
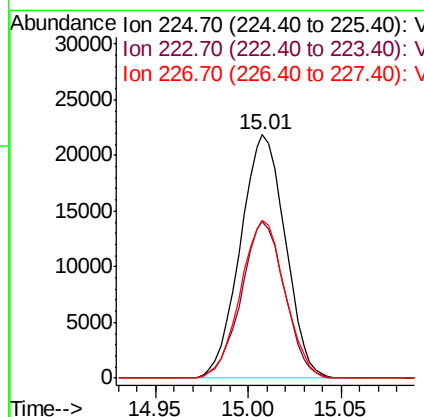
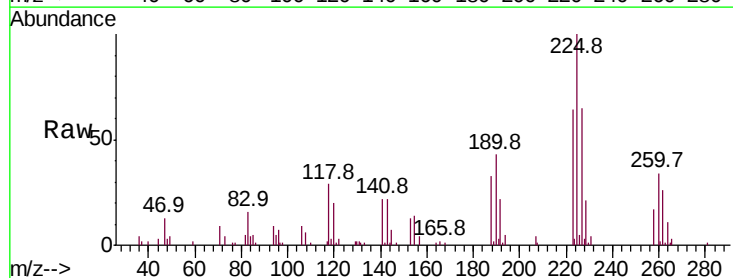
Manual Integrations
 APPROVED

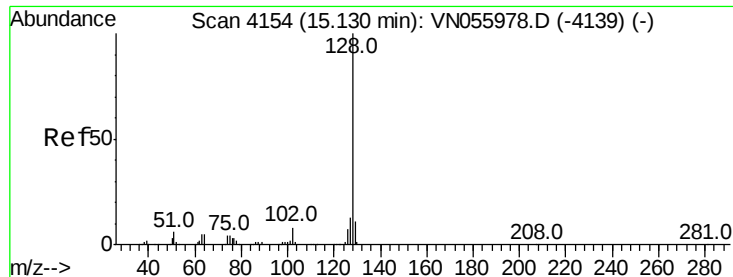
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 6/10/2019 11:25:28 AM



#94
 Hexachlorobutadiene
 Concen: 20.056 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056142.D
 Acq: 8 Jun 2019 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	30.9	92.7	
227	64.1	31.6	94.7	





#95

Naphthalene

Concen: 17.633 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Instrument :

MSVOA_N

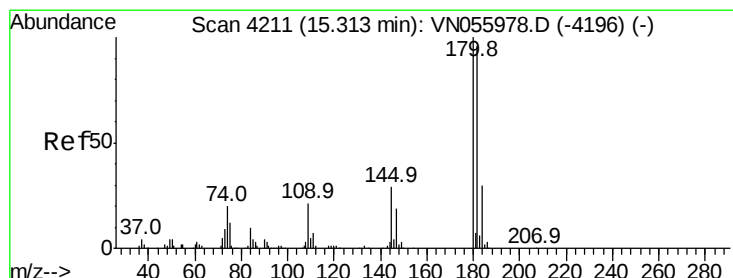
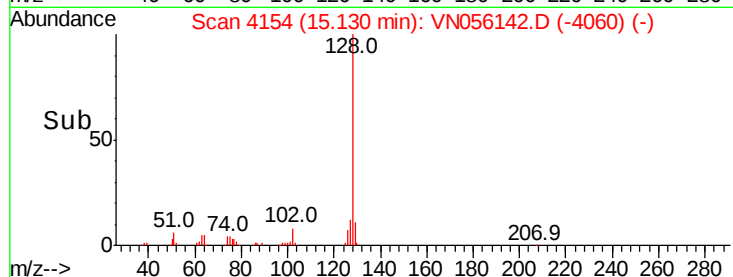
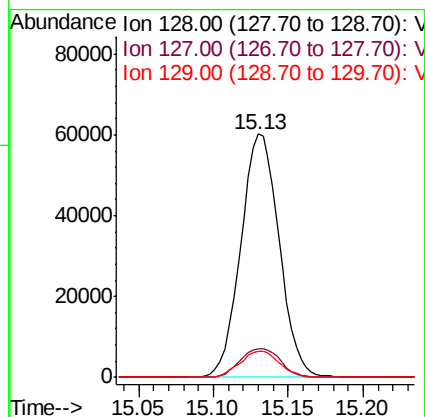
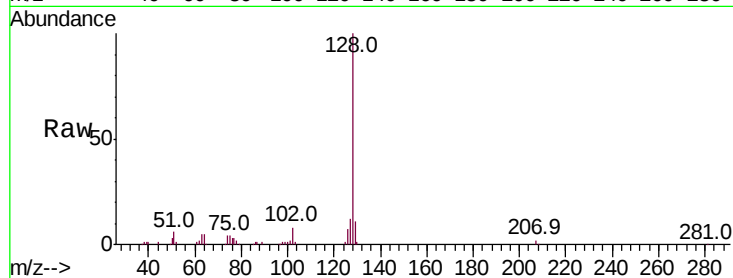
ClientSampleId :

VN0608WBS04

Tot Ion:	128	Resp:	107545
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 17.895 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056142.D

Acq: 8 Jun 2019 10:22

Tgt Ion:	180	Resp:	44765
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.7
145	29.6	14.9	44.7

