

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056952.D
 Acq On : 26 Jul 2019 19:39
 Operator : JC/SP
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 11:46:53 AM

Quant Time: Jul 27 01:17:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	560007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	857985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	740072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	285582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	315010	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	7.58	113	291748	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
50) Toluene-d8	10.08	98	1088987	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.39	95	336016	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	118304	20.897	ug/l	100
3) Chloromethane	2.05	50	148096	21.846	ug/l	100
4) Vinyl Chloride	2.18	62	131615	20.705	ug/l	97
5) Bromomethane	2.55	94	80882	20.467	ug/l	97
6) Chloroethane	2.69	64	72656	20.735	ug/l	98
7) Trichlorofluoromethane	3.00	101	172296	20.706	ug/l	100
8) Diethyl Ether	3.40	74	65068	20.894	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100018	19.387	ug/l	100
10) Methyl Iodide	3.94	142	115129	16.701	ug/l	100
11) Tert butyl alcohol	4.77	59	78761	101.647	ug/l	98
12) 1,1-Dichloroethene	3.72	96	102343	20.791	ug/l	99
13) Acrolein	3.59	56	33613	82.889	ug/l	97
14) Allyl chloride	4.31	41	159610	19.934	ug/l	98
15) Acrylonitrile	4.97	53	240557	105.866	ug/l	100
16) Acetone	3.80	43	181338	87.318	ug/l	99
17) Carbon Disulfide	4.04	76	255851	19.560	ug/l	99
18) Methyl Acetate	4.31	43	133146	20.098	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	306300	20.869	ug/l	98
20) Methylene Chloride	4.54	84	119118	19.912	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	107696	20.601	ug/l	96
22) Diisopropyl ether	5.93	45	353869	21.450	ug/l	98
23) Vinyl Acetate	5.88	43	1191650	104.250	ug/l	99
24) 1,1-Dichloroethane	5.83	63	201104	20.660	ug/l	98
25) 2-Butanone	6.82	43	290312	98.584	ug/l	98
26) 2,2-Dichloropropane	6.81	77	137067	18.519	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	128332	20.755	ug/l	97
28) Bromochloromethane	7.18	49	103269	22.571	ug/l	97
29) Tetrahydrofuran	7.20	42	202001	105.135	ug/l	99
30) Chloroform	7.36	83	200182	20.114	ug/l	99
31) Cyclohexane	7.64	56	181484	19.267	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	164062	20.661	ug/l	98
36) 1,1-Dichloropropene	7.78	75	147775	19.574	ug/l	98
37) Ethyl Acetate	6.91	43	119647	19.787	ug/l	98
38) Carbon Tetrachloride	7.76	117	142245	19.919	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174647	18.100	ug/l	96
40) Benzene	8.03	78	464168	19.961	ug/l	100
41) Methacrylonitrile	7.16	41	39411m	14.099	ug/l	
42) 1,2-Dichloroethane	8.11	62	143643	19.710	ug/l	99
43) Isopropyl Acetate	8.15	43	200653	20.077	ug/l #	91
44) Trichloroethene	8.82	130	126205	19.700	ug/l	100
45) 1,2-Dichloropropane	9.11	63	123616	19.875	ug/l	98
46) Dibromomethane	9.20	93	77207	20.583	ug/l	100
47) Bromodichloromethane	9.39	83	147359	19.982	ug/l	98
48) Methyl methacrylate	9.19	41	98135	20.339	ug/l	99
49) 1,4-Dioxane	9.19	88	40070	402.978	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	602499	101.464	ug/l	99
52) Toluene	10.15	92	279765	20.025	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	147873	19.323	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	174757	19.640	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	114001	20.347	ug/l	99
56) Ethyl methacrylate	10.42	69	150633	18.937	ug/l	99
57) 1,3-Dichloropropane	10.70	76	185898	20.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	314663	93.721	ug/l	99
59) 2-Hexanone	10.74	43	402919	89.729	ug/l	100
60) Dibromochloromethane	10.90	129	116750	20.339	ug/l	99
61) 1,2-Dibromoethane	11.00	107	111676	20.425	ug/l	99
64) Tetrachloroethene	10.62	164	126310	19.805	ug/l	99
65) Chlorobenzene	11.43	112	298500	19.790	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	115075	20.269	ug/l	98
67) Ethyl Benzene	11.50	91	512800	19.671	ug/l	98
68) m/p-Xylenes	11.61	106	387595	40.286	ug/l	100
69) o-Xylene	11.94	106	188545	20.031	ug/l	99
70) Styrene	11.96	104	300575	19.259	ug/l	100
71) Bromoform	12.12	173	77951	19.666	ug/l #	99
73) Isopropylbenzene	12.24	105	502415	20.356	ug/l	100
74) N-amyl acetate	12.06	43	138712	19.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143474	21.545	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119642m	20.629	ug/l	
77) Bromobenzene	12.52	156	128384	19.930	ug/l	99
78) n-propylbenzene	12.59	91	525676	19.947	ug/l	100
79) 2-Chlorotoluene	12.67	91	324408	19.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	421924	20.829	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	34375	19.043	ug/l	96
82) 4-Chlorotoluene	12.77	91	302720	19.934	ug/l	100
83) tert-Butylbenzene	12.99	119	363743	20.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	409215	20.995	ug/l	99
85) sec-Butylbenzene	13.17	105	459580	19.869	ug/l	99
86) p-Isopropyltoluene	13.28	119	413111	20.117	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	194771	19.878	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	180928	19.181	ug/l	98
89) n-Butylbenzene	13.61	91	302896	19.138	ug/l	99
90) Hexachloroethane	13.87	117	69736	19.722	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	201390	20.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19781	20.151	ug/l	98

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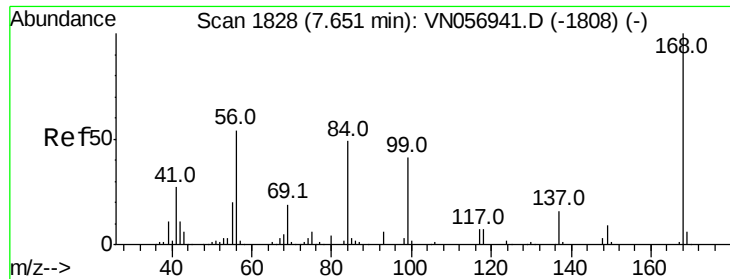
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	76020	17.163	ug/l	98
94) Hexachlorobutadiene	15.00	225	71502	19.179	ug/l	97
95) Naphthalene	15.12	128	169497	16.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	82656	17.817	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:168 Resp: 560007

Ion Ratio Lower Upper

168 100

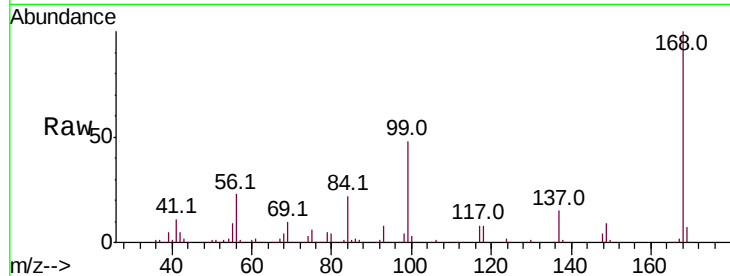
99 48.0 39.0 58.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

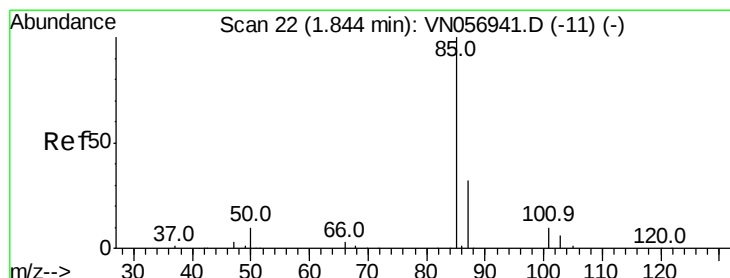
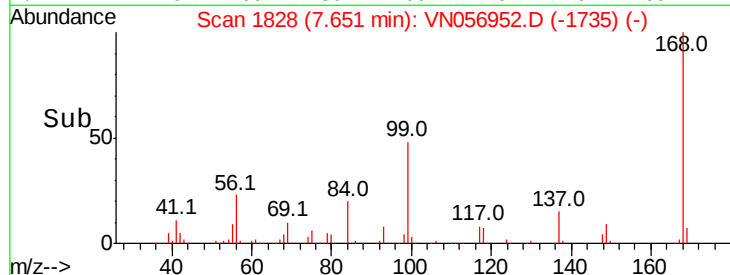
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.897 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN056952.D

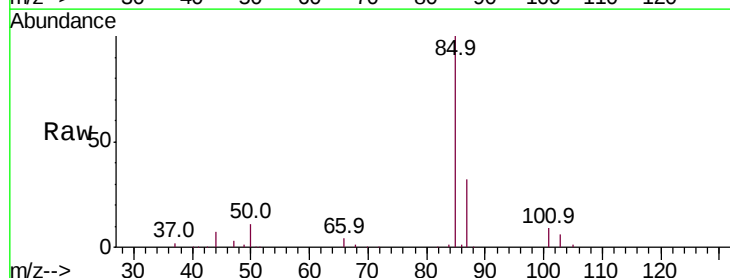
Acq: 26 Jul 2019 19:39

Tgt Ion: 85 Resp: 118304

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

80000

60000

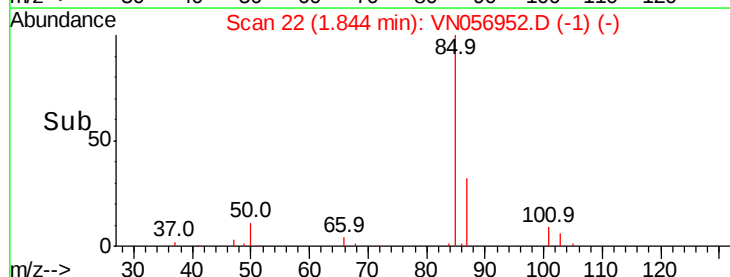
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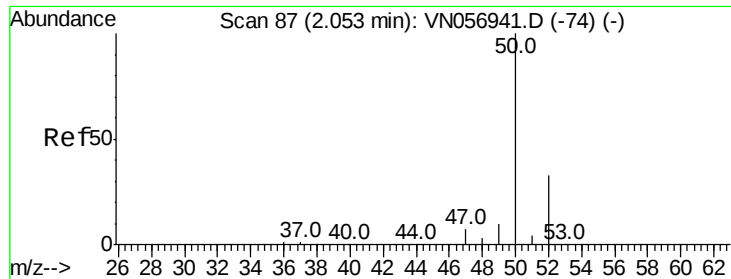
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.846 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 50 Resp: 148096

Ion Ratio Lower Upper

50 100

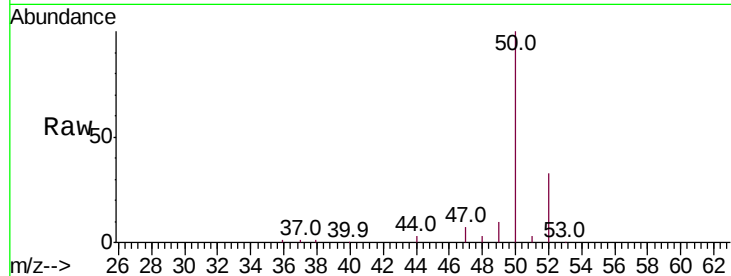
52 32.8 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.05

120000

100000

80000

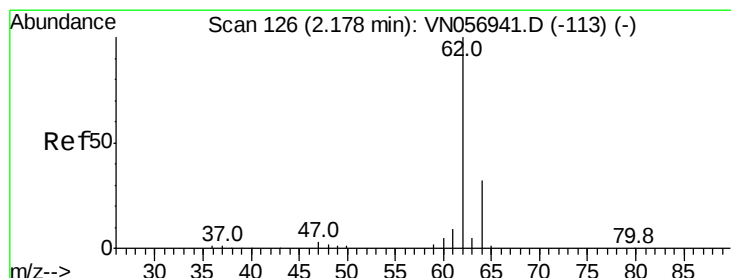
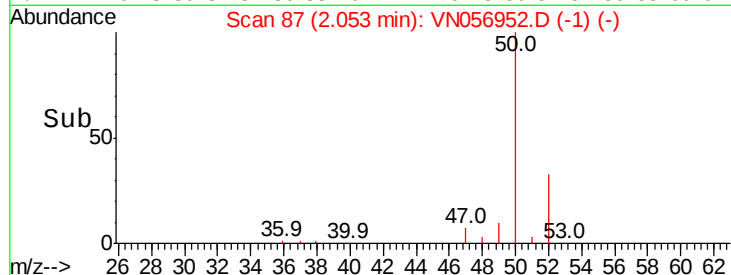
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.705 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN056952.D

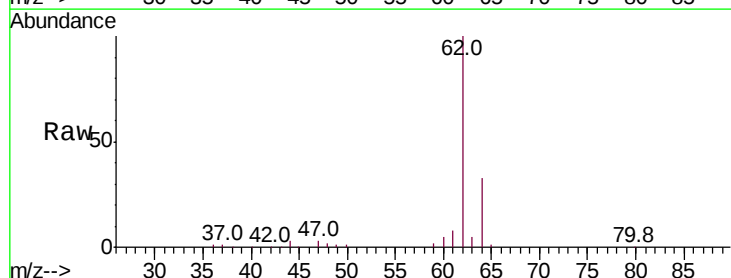
Acq: 26 Jul 2019 19:39

Tgt Ion: 62 Resp: 131615

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

100000

80000

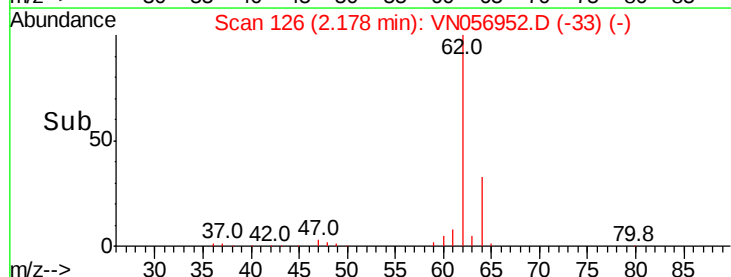
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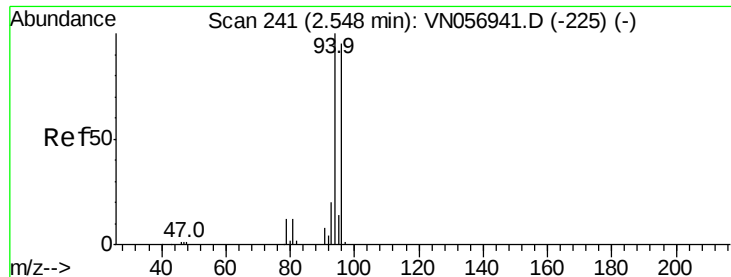
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.467 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 94 Resp: 80882

Ion Ratio Lower Upper

94 100

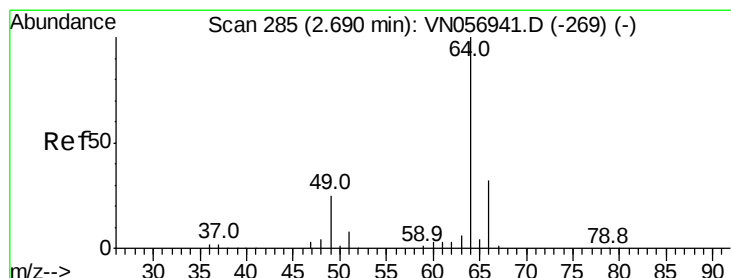
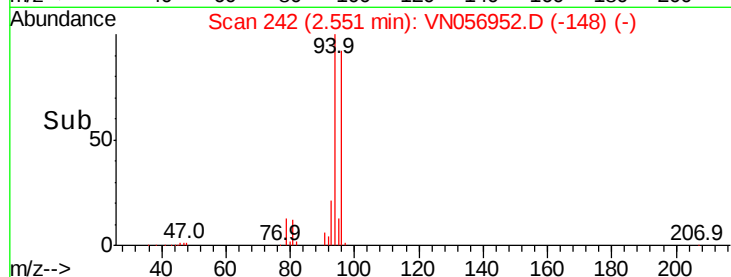
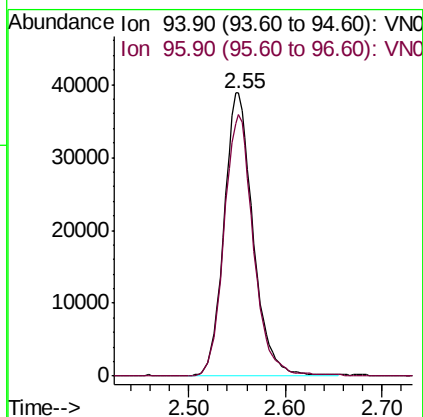
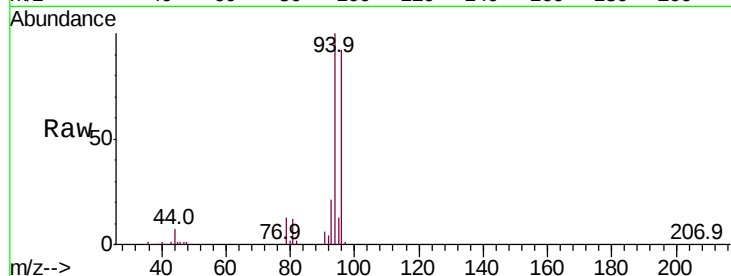
96 92.3 76.2 114.2

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#6

Chloroethane

Concen: 20.735 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056952.D

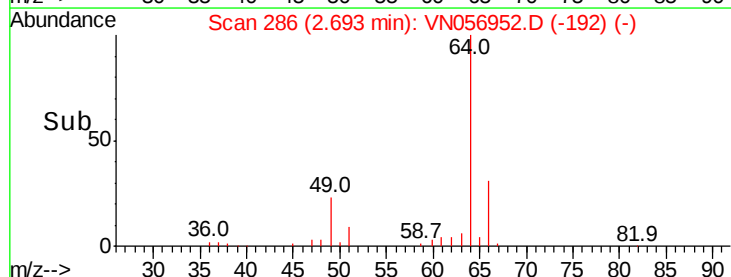
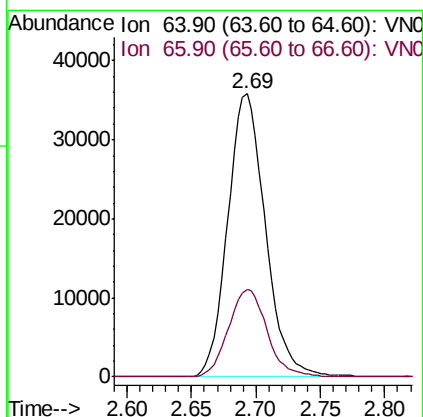
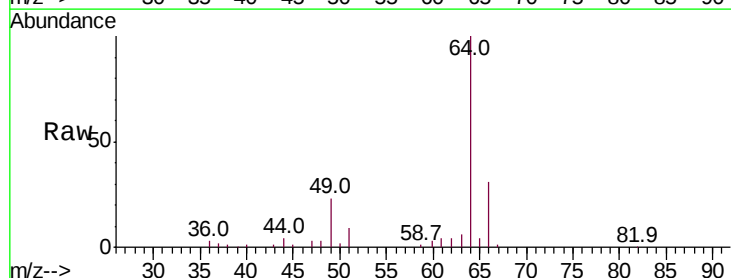
Acq: 26 Jul 2019 19:39

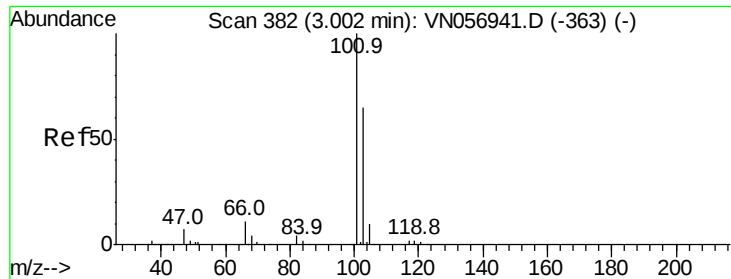
Tgt Ion: 64 Resp: 72656

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.8





#7

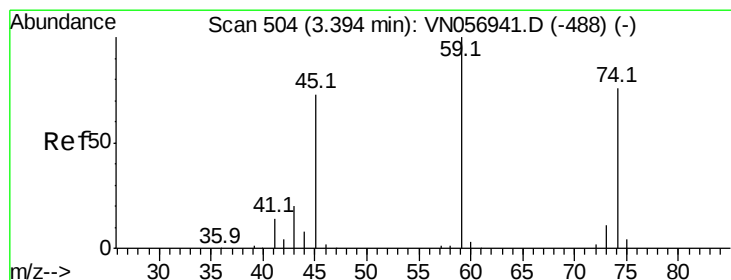
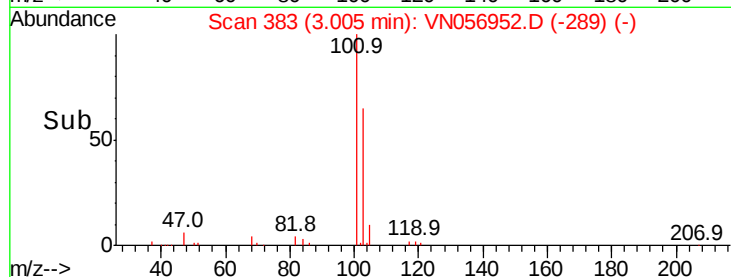
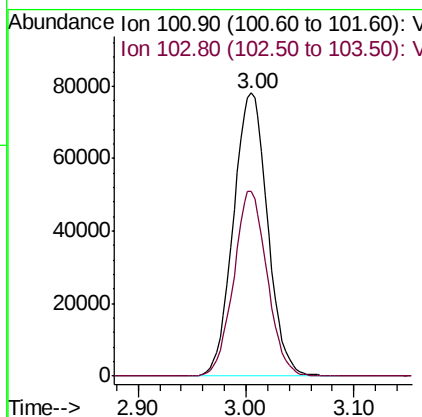
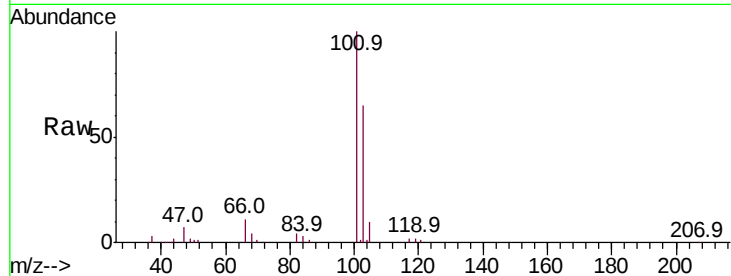
Trichlorofluoromethane
Concen: 20.706 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

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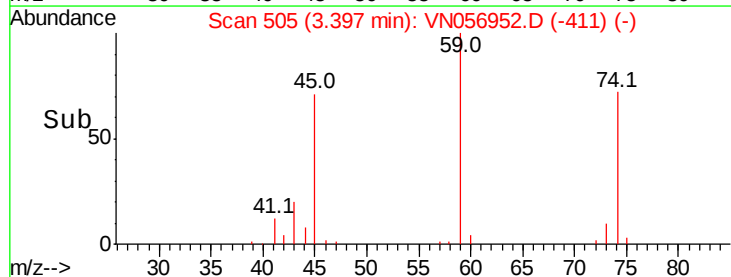
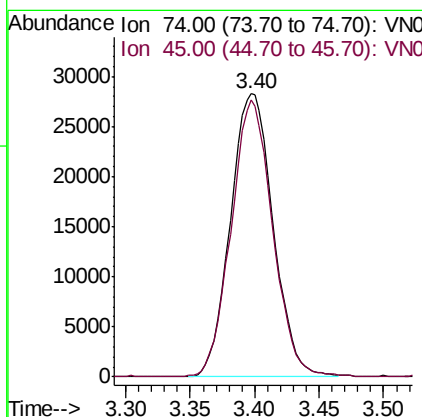
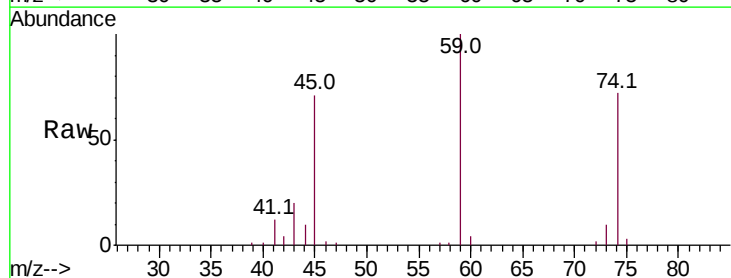
MMDadoda
7/31/2019 11:46:53 AM

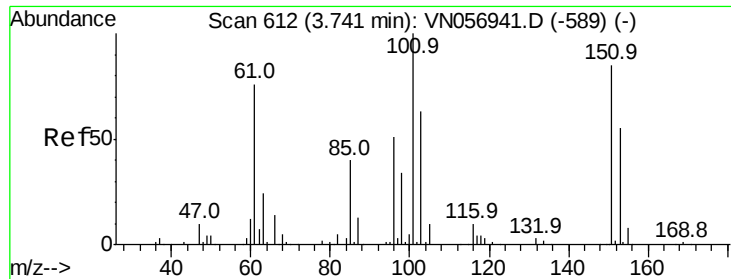


#8

Diethyl Ether
Concen: 20.894 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.387 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056952.D

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MSVOA_N

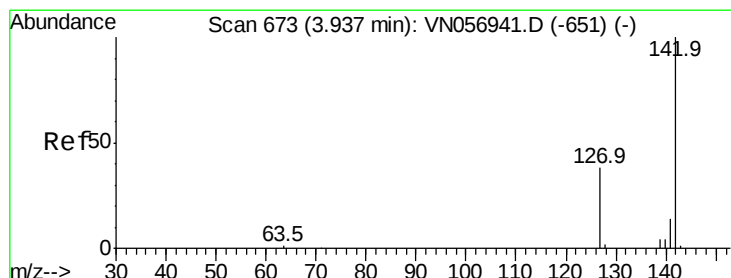
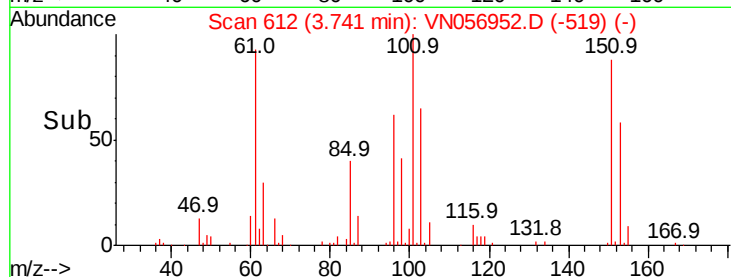
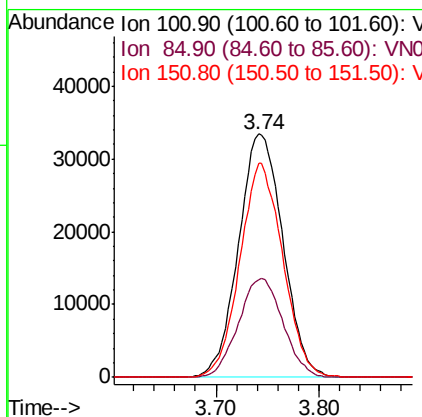
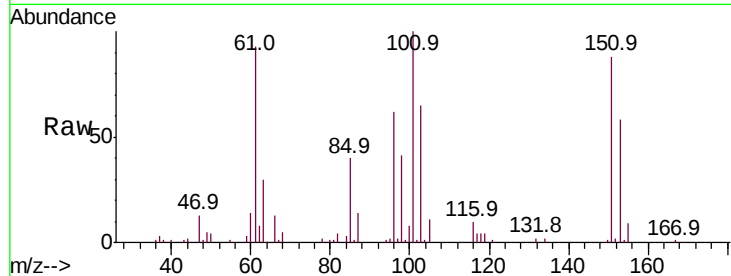
ClientSampleId :

VN0727WBS01

Tot Ion:	101	Resp:	100018
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.3	48.5
151	84.9	68.0	102.0

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#10

Methyl Iodide

Concen: 16.701 ug/l

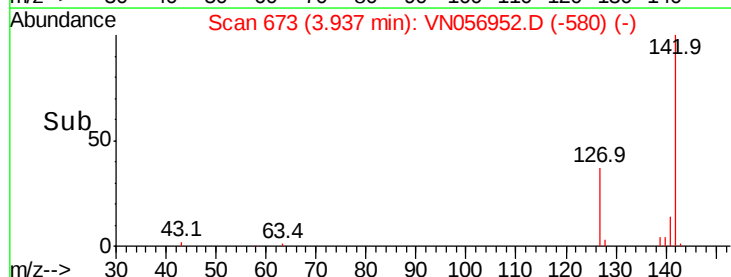
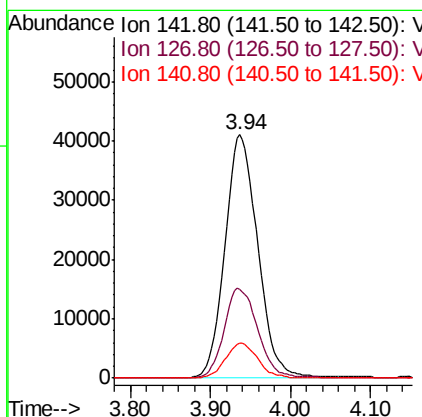
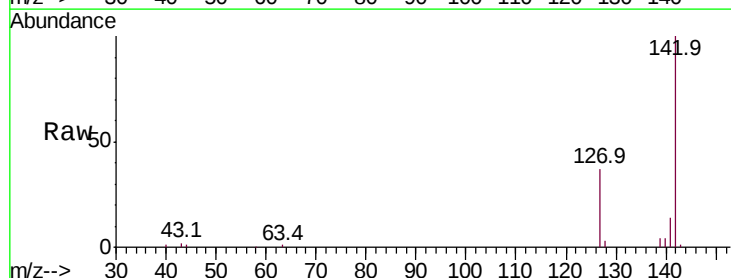
RT: 3.94 min Scan# 673

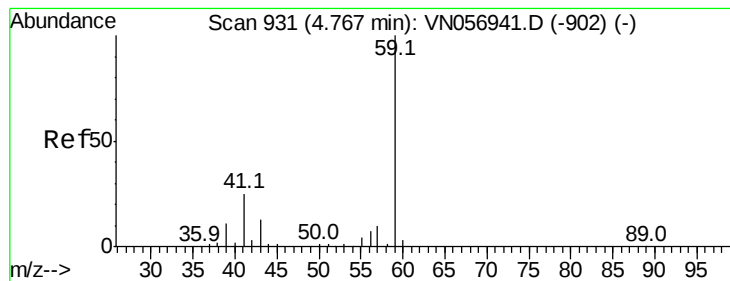
Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion:	142	Resp:	115129
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.4	45.6
141	13.9	11.1	16.7





#11

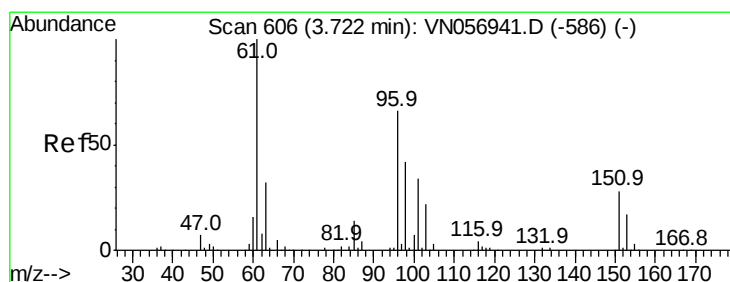
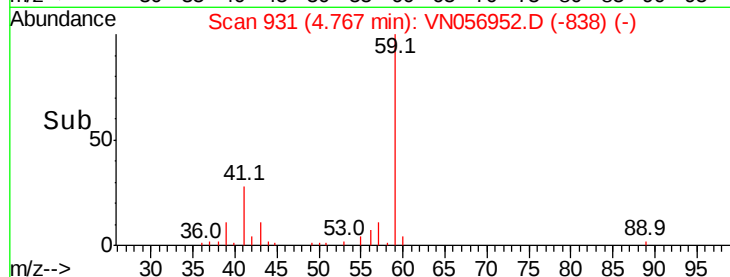
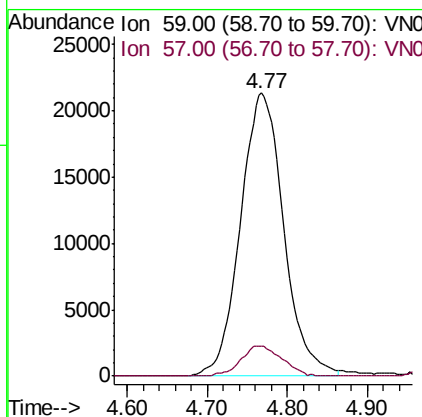
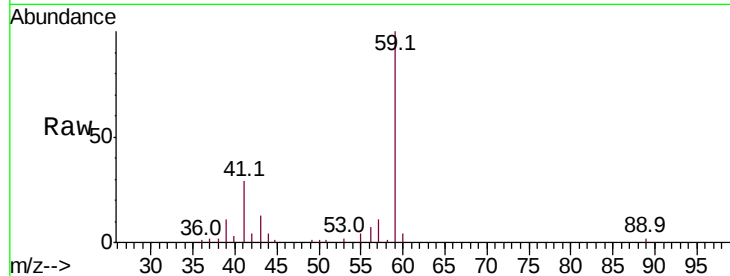
Tert butyl alcohol
 Concen: 101.647 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	59	57	Ratio	100	10.0	Resp	Lower	Upper
78761								

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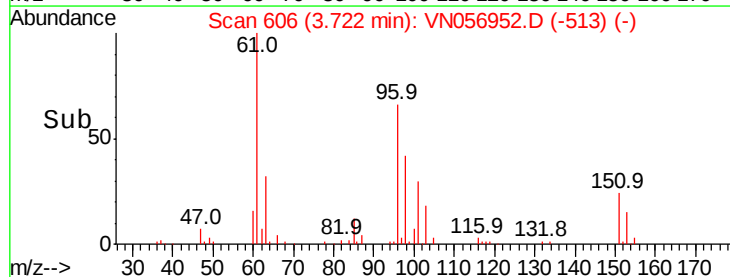
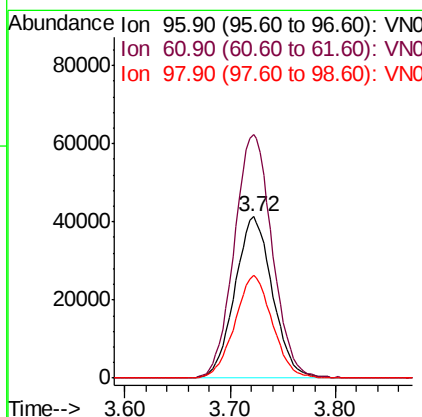
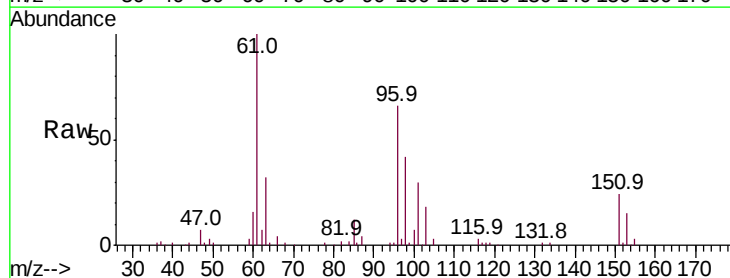
MMDadoda
 7/31/2019 11:46:53 AM

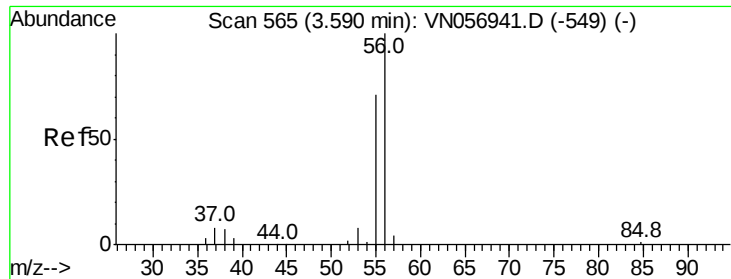


#12

1,1-Dichloroethene
 Concen: 20.791 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion	96	61	98	Ratio	100	151.1	64.2	Resp	Lower	Upper
102343										





#13

Acrolein

Concen: 82.889 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 56 Resp: 33613

Ion Ratio Lower Upper

56 100

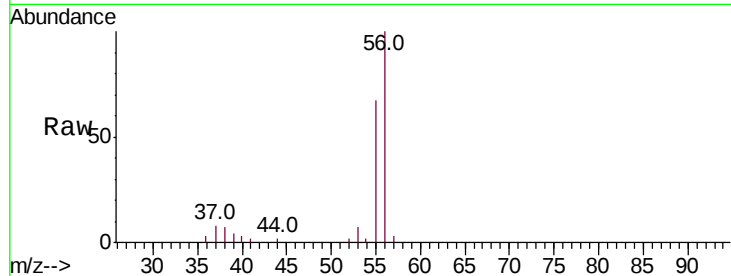
55 72.3 55.8 83.6

Manual Integrations

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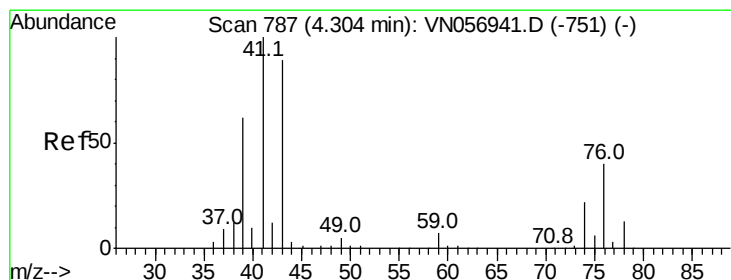
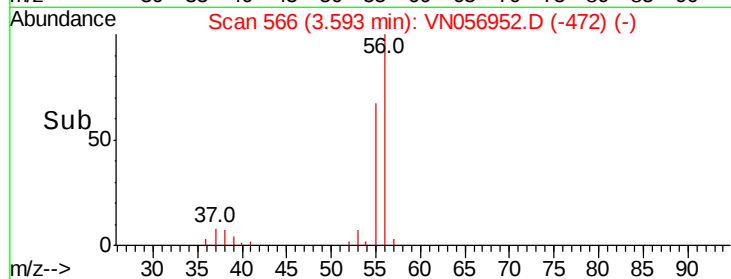
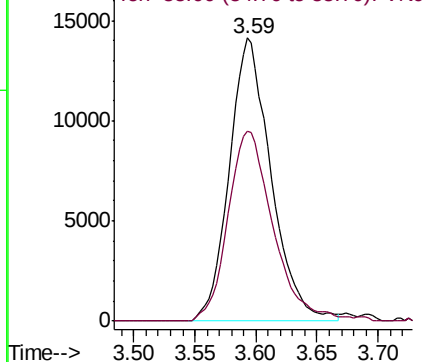
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.934 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

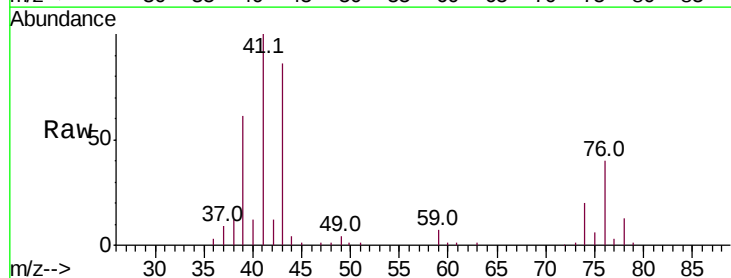
Tgt Ion: 41 Resp: 159610

Ion Ratio Lower Upper

41 100

39 59.3 46.4 69.6

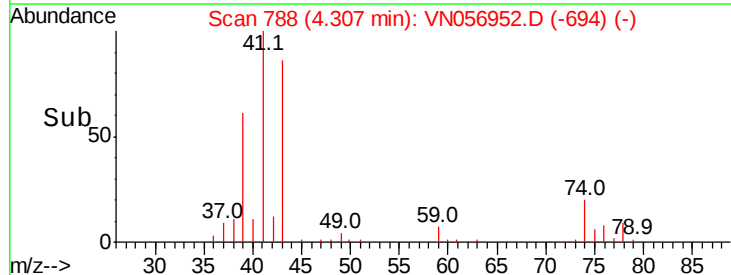
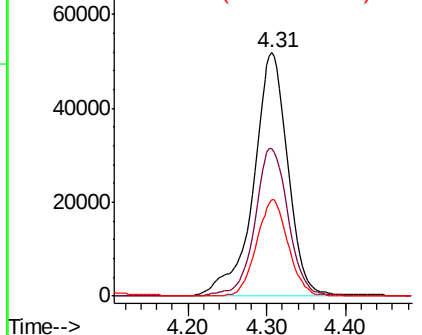
76 36.5 28.4 42.6

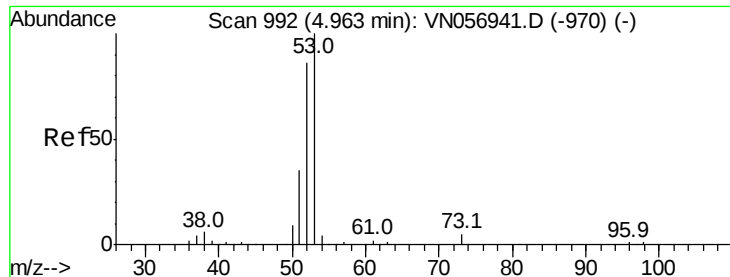


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.866 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

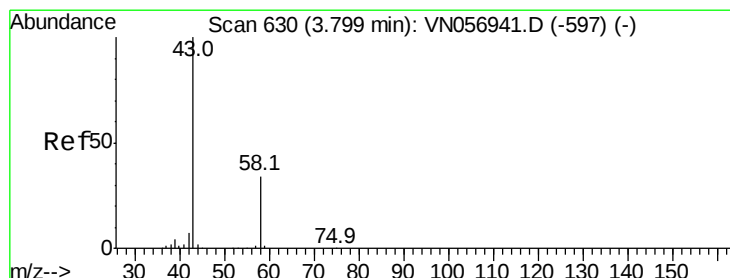
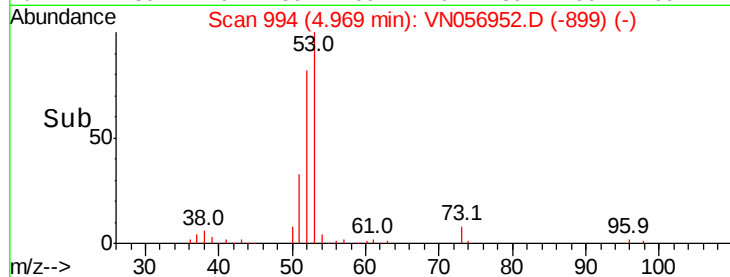
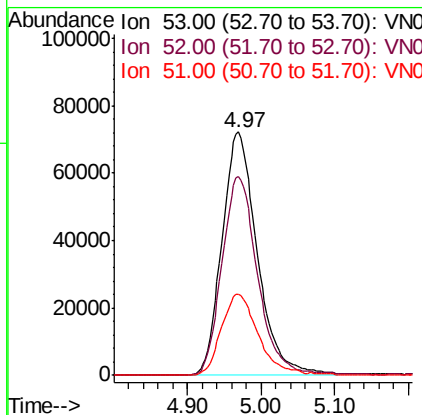
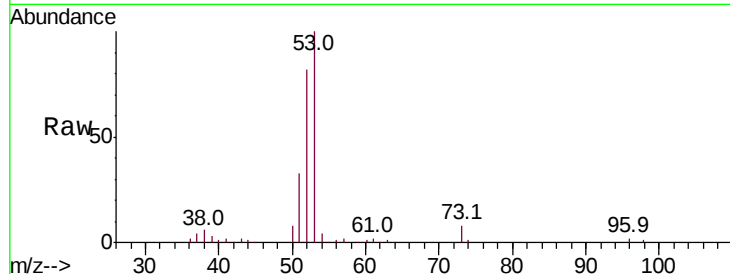
ClientSampleId :

VN0727WBS01

Tot Ion:	53	Resp:	240557
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.5	99.7
51	34.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 87.318 ug/l

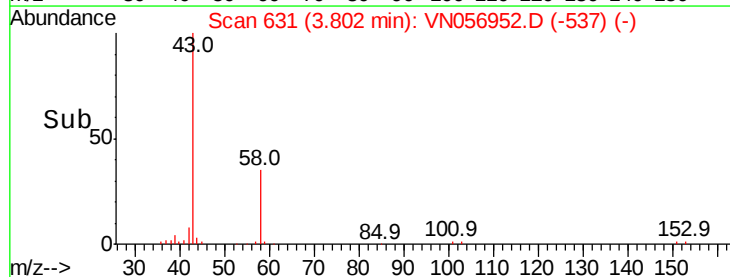
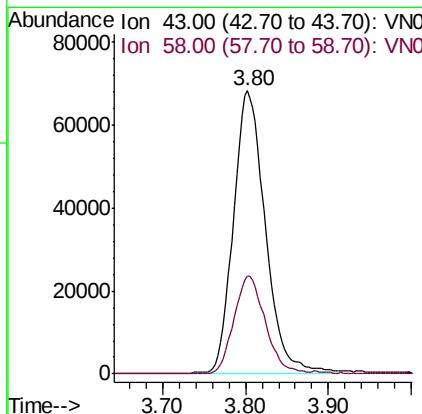
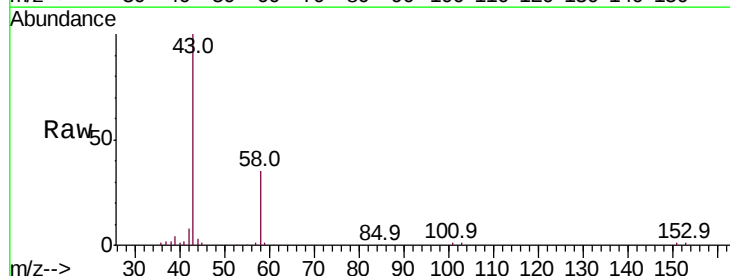
RT: 3.80 min Scan# 631

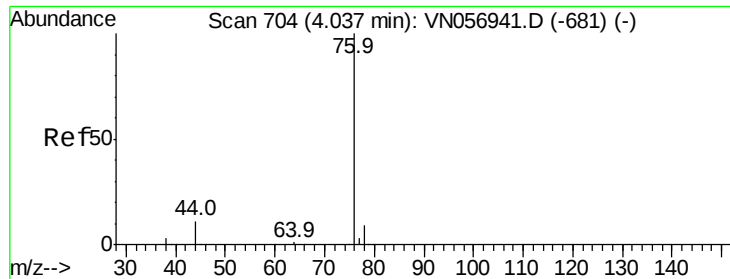
Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion:	43	Resp:	181338
Ion Ratio	Lower	Upper	
43	100		
58	34.4	27.2	40.8





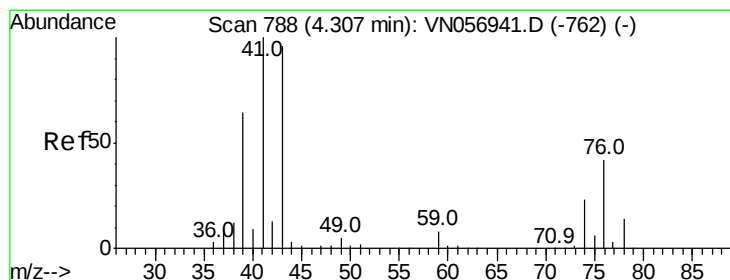
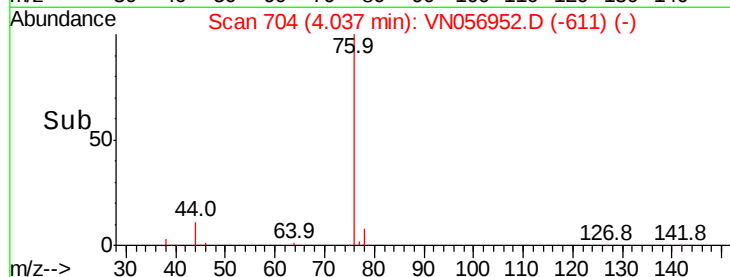
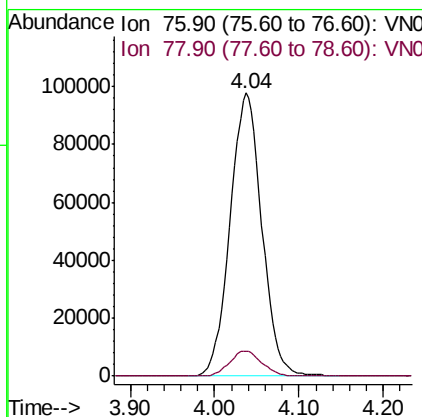
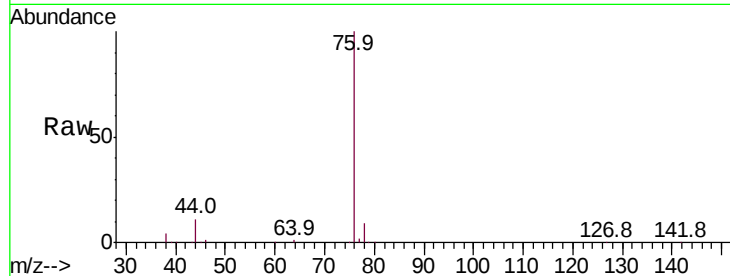
#17
Carbon Disulfide
Concen: 19.560 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

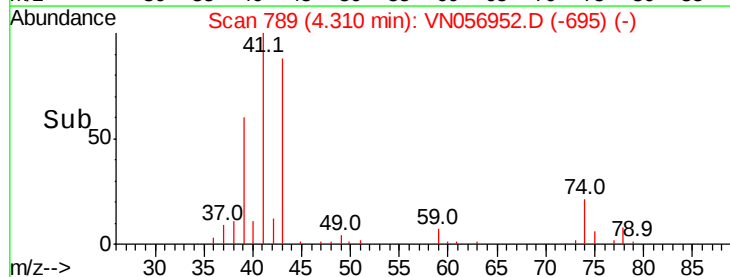
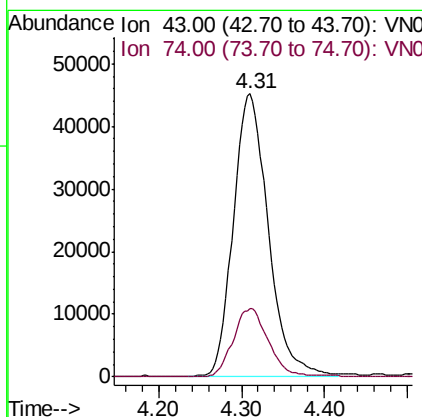
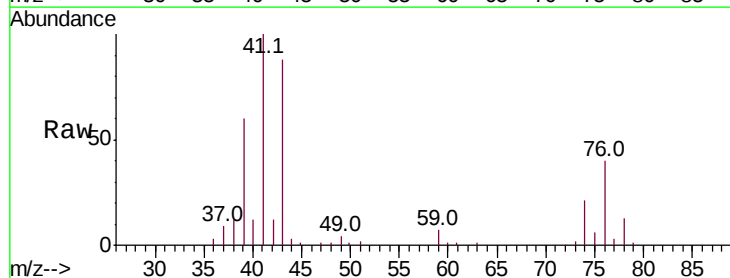
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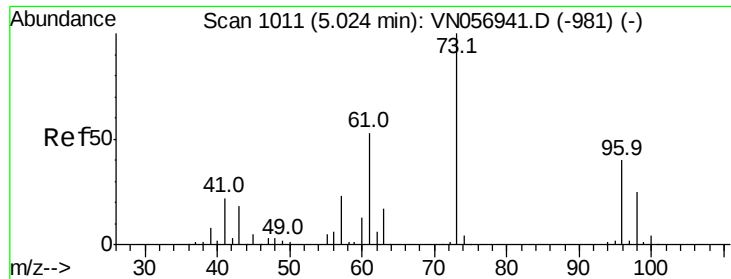
MMDadoda
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#18
Methyl Acetate
Concen: 20.098 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.7	29.5





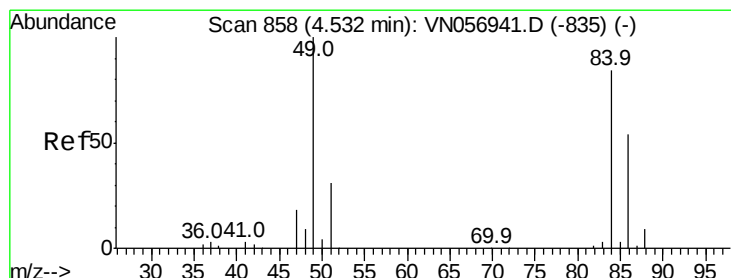
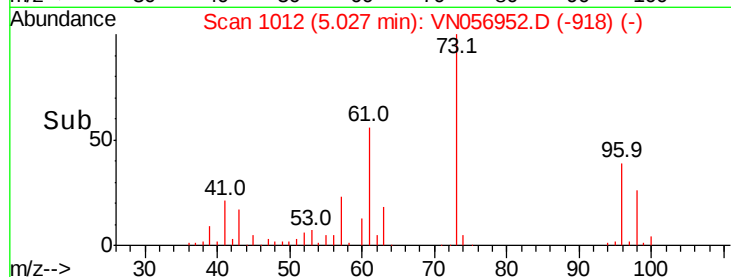
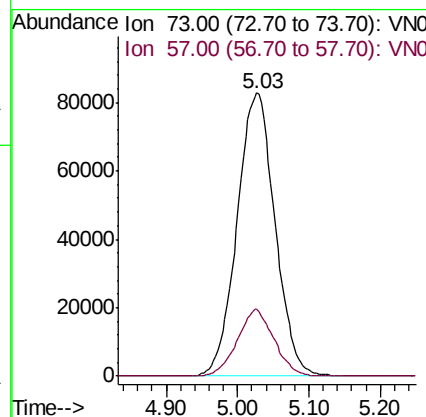
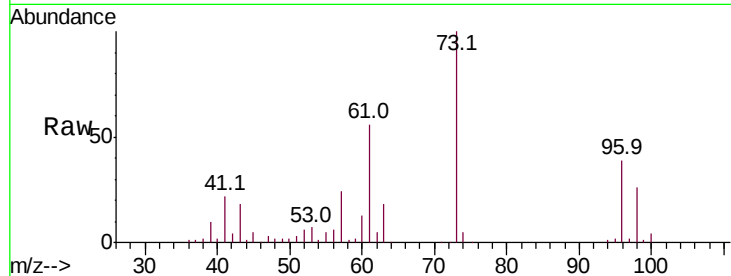
#19
Methvl tert-butvl Ether
Concen: 20.869 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion: 73 Resp: 306300
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5

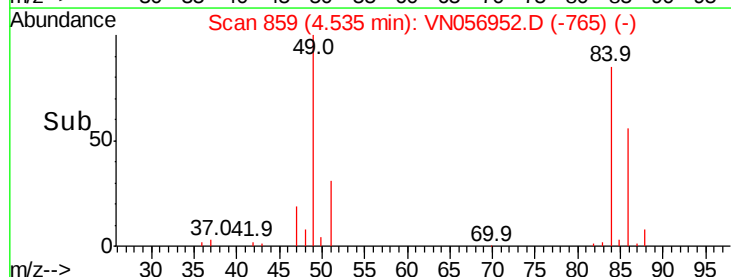
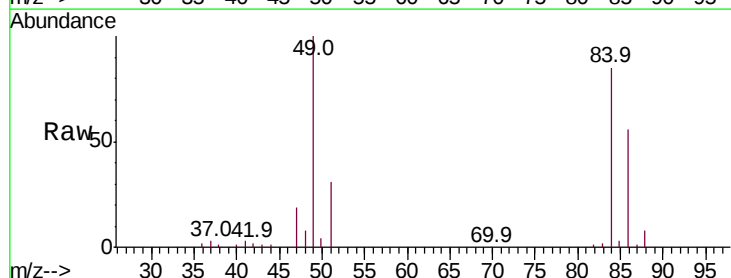
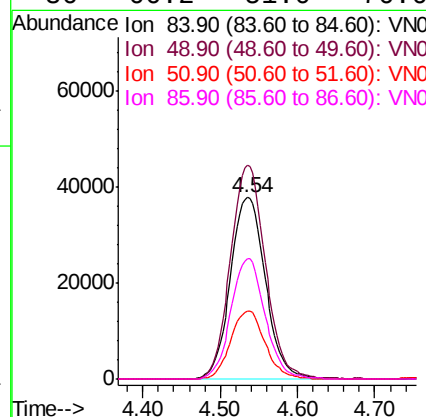
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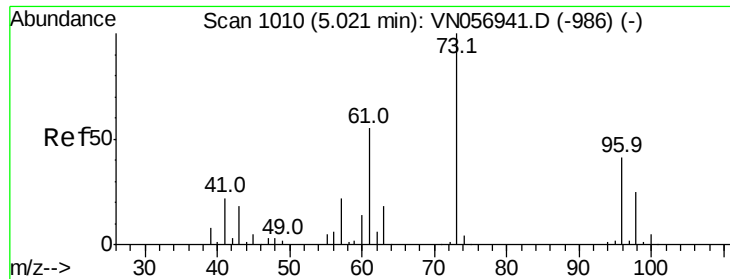
MMDadoda
7/31/2019 11:46:53 AM



#20
Methylene Chloride
Concen: 19.912 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion: 84 Resp: 119118
Ion Ratio Lower Upper
84 100
49 117.6 95.2 142.8
51 37.0 29.7 44.5
86 66.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.601 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 96 Resp: 107696

Ion Ratio Lower Upper

96 100

61 138.0 107.5 161.3

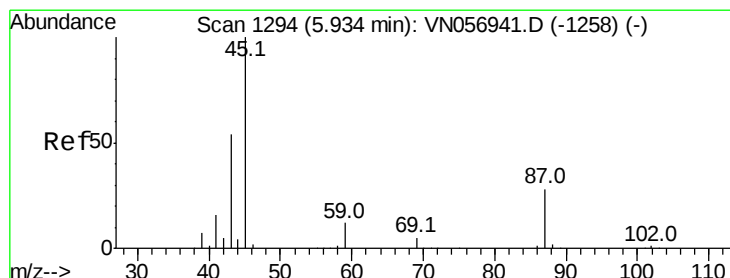
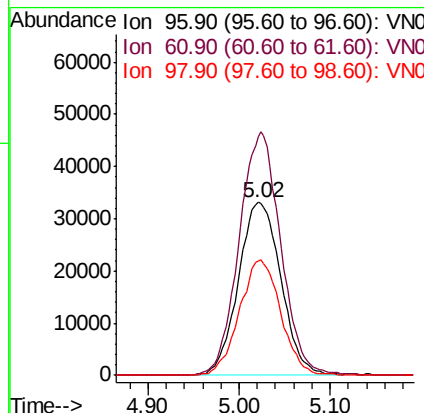
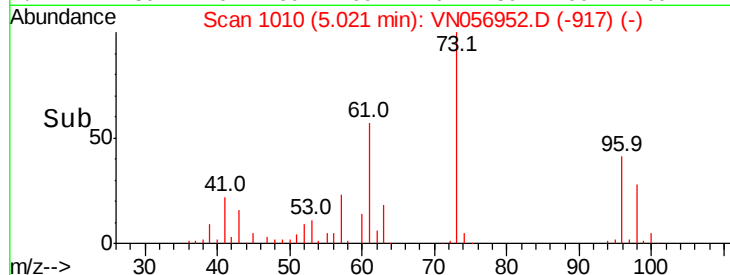
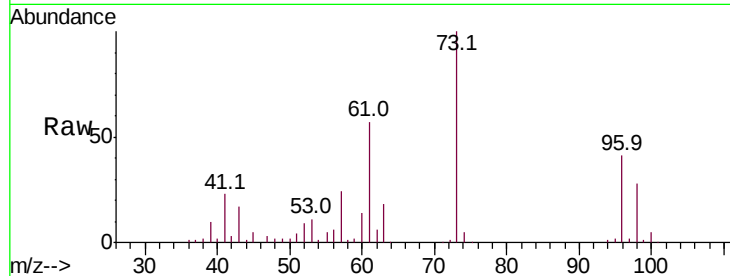
98 66.4 49.9 74.9

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#22

Diisopropyl ether

Concen: 21.450 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion: 45 Resp: 353869

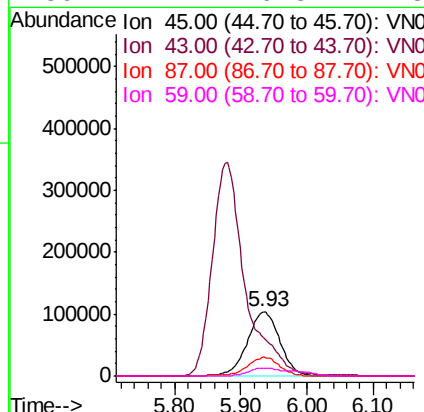
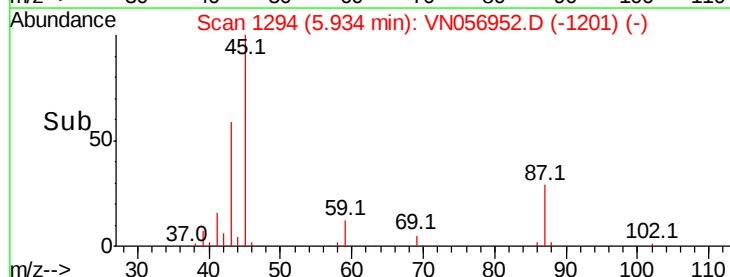
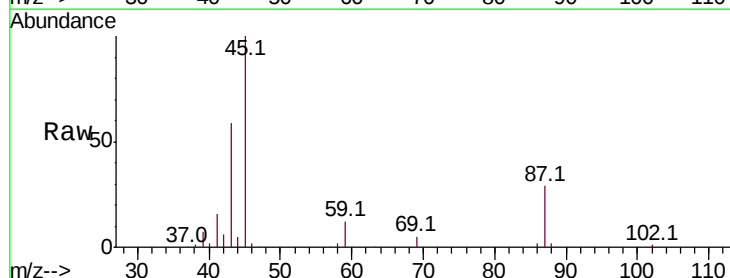
Ion Ratio Lower Upper

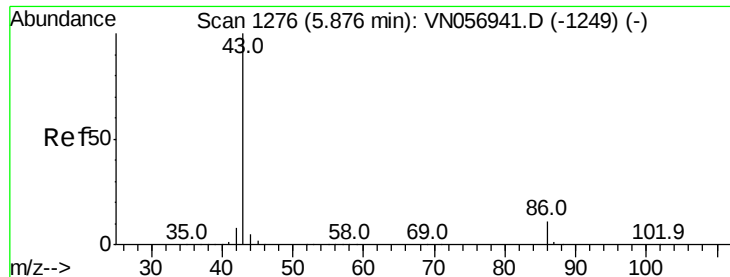
45 100

43 57.7 44.7 67.1

87 29.0 23.0 34.6

59 11.7 9.8 14.8





#23

Vinyl Acetate

Concen: 104.250 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 43 Resp: 1191650

Ion Ratio Lower Upper

43 100

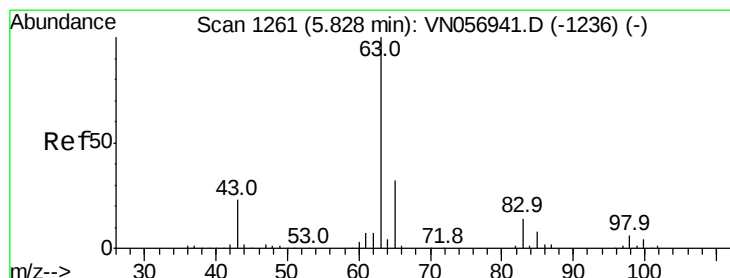
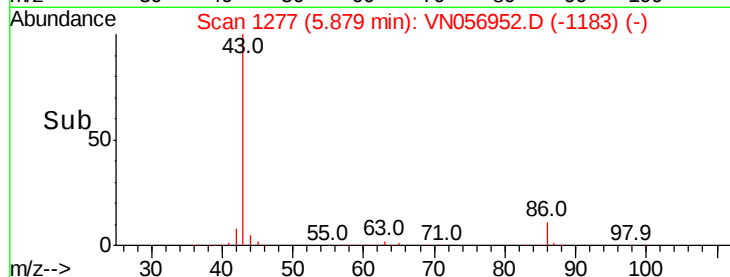
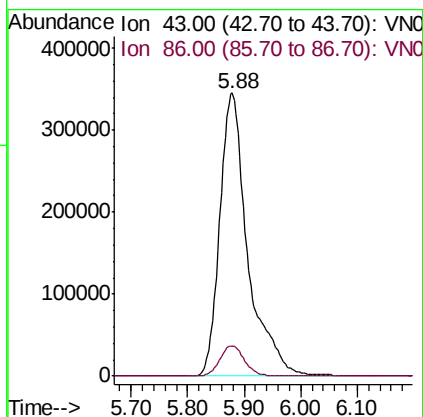
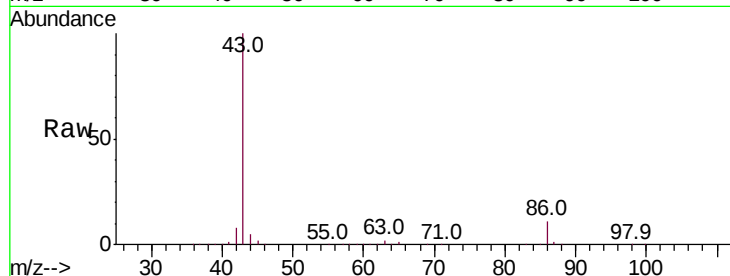
86 10.8 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.660 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

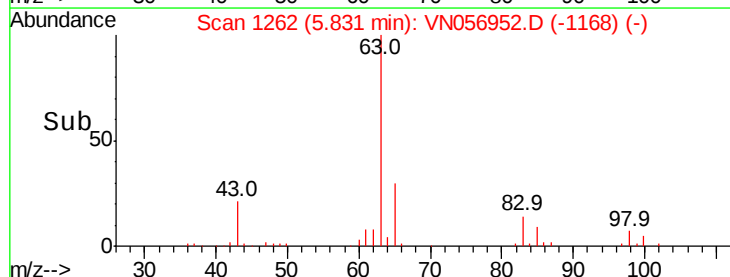
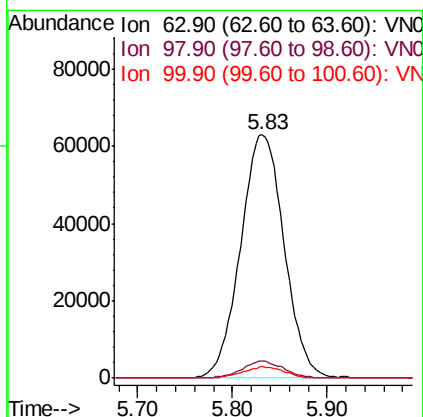
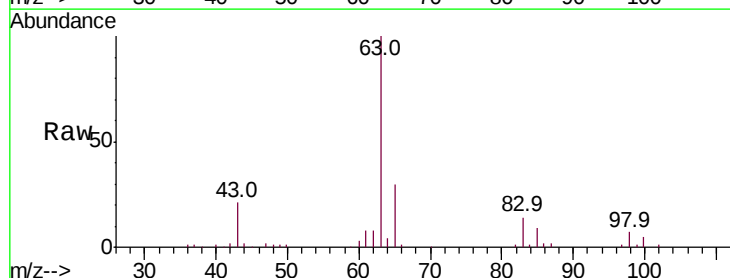
Tgt Ion: 63 Resp: 201104

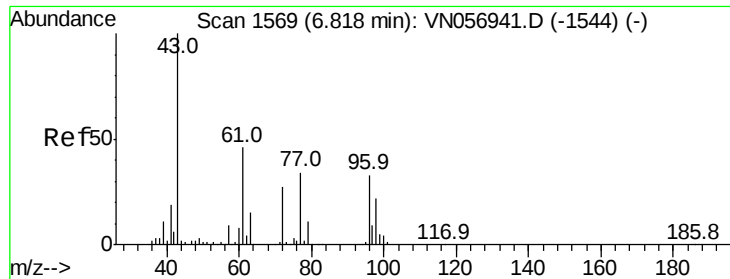
Ion Ratio Lower Upper

63 100

98 7.3 3.2 9.6

100 4.9 2.1 6.3





#25

2-Butanone

Concen: 98.584 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 43 Resp: 290312

Ion Ratio Lower Upper

43 100

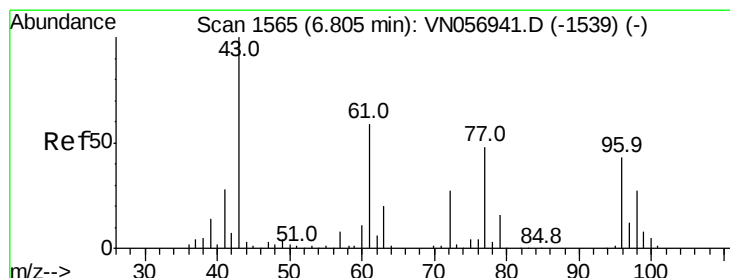
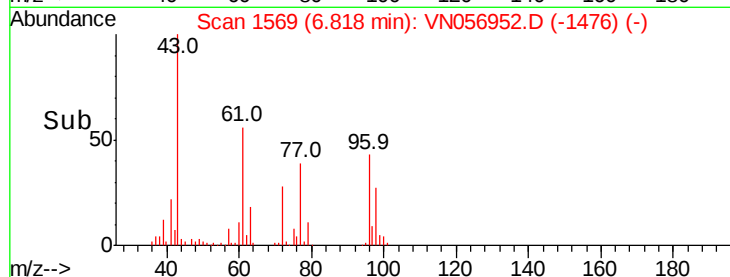
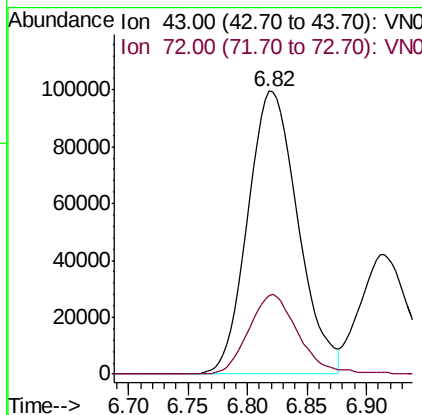
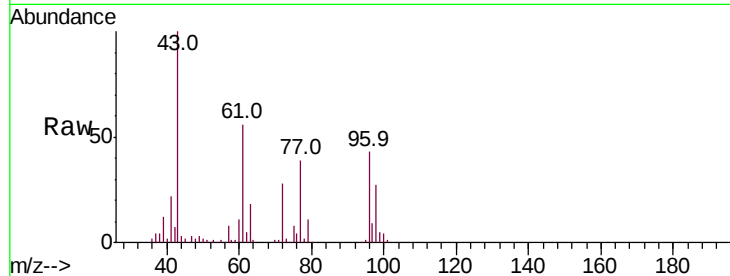
72 27.9 21.5 32.3

Manual Integrations

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MMDadoda

7/31/2019 11:46:53 AM



#26

2,2-Dichloropropane

Concen: 18.519 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN056952.D

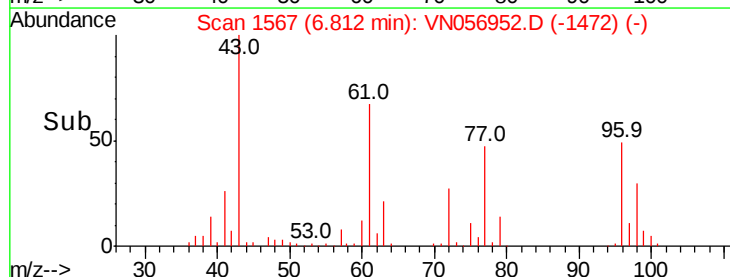
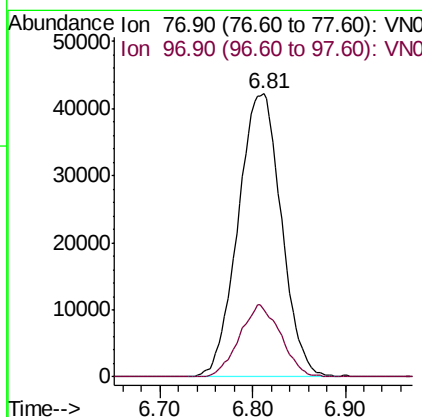
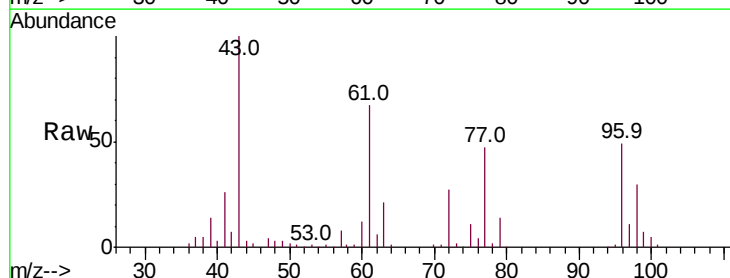
Acq: 26 Jul 2019 19:39

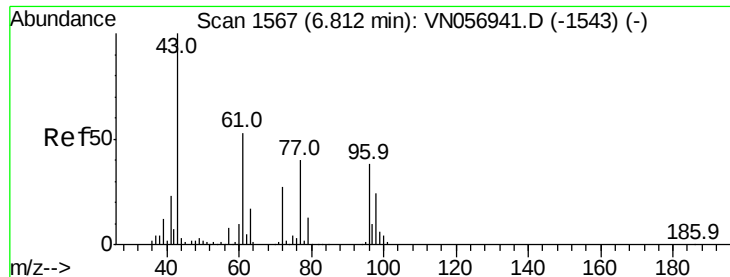
Tgt Ion: 77 Resp: 137067

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.755 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

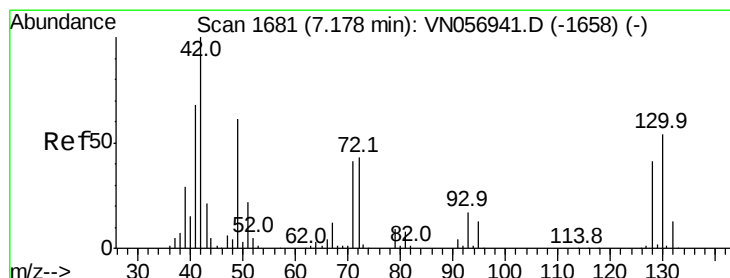
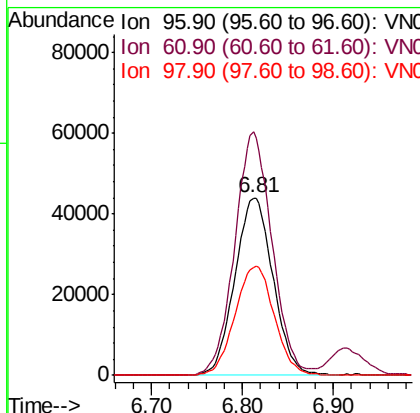
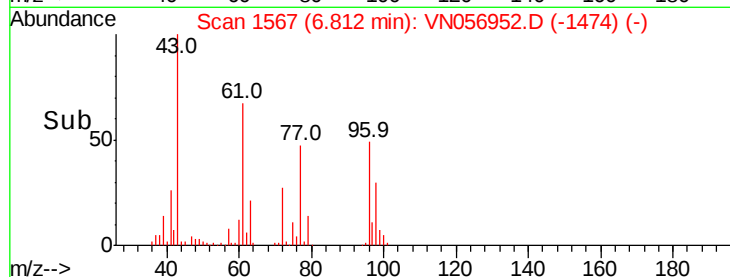
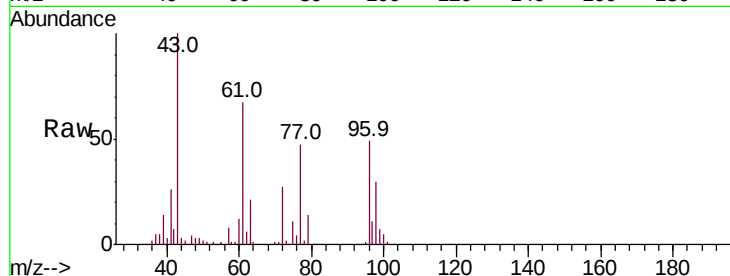
ClientSampleId :

VN0727WBS01

Tot Ion:	96	Resp:	128332
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	277.2
98	63.2	0.0	128.4

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#28

Bromochloromethane

Concen: 22.571 ug/l

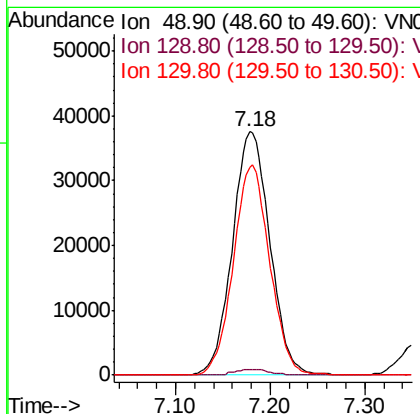
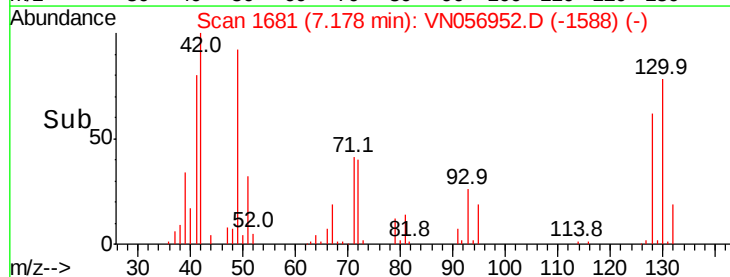
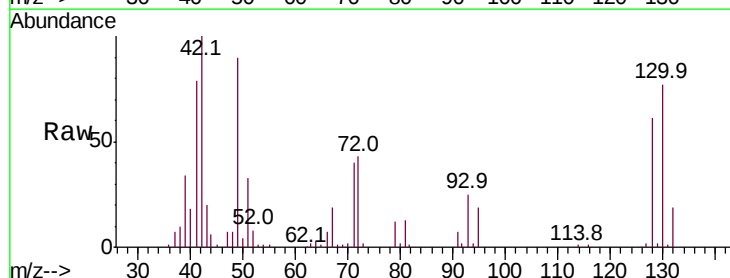
RT: 7.18 min Scan# 1681

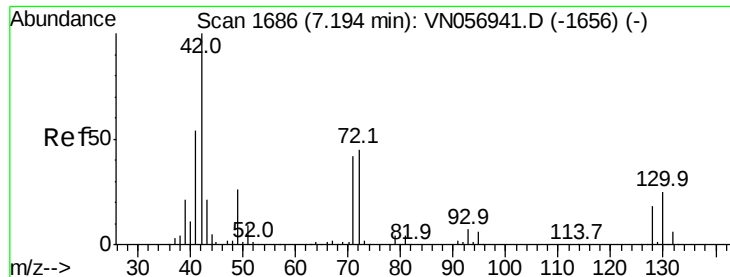
Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion:	49	Resp:	103269
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	83.8	69.0	103.4





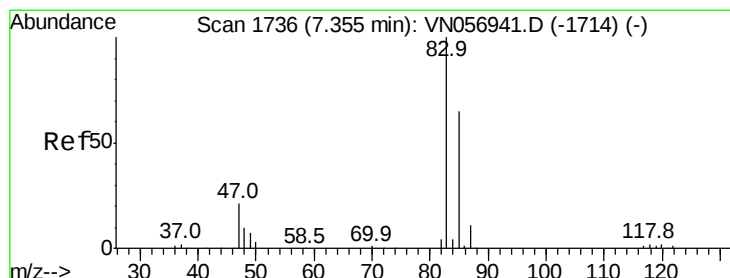
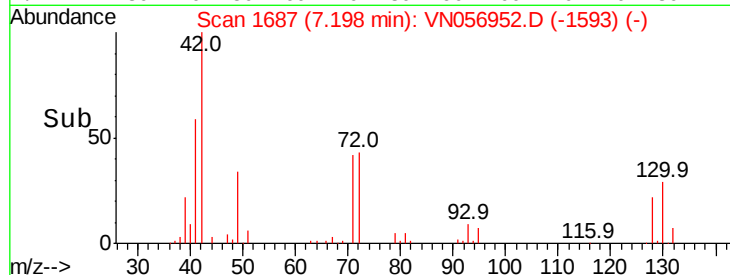
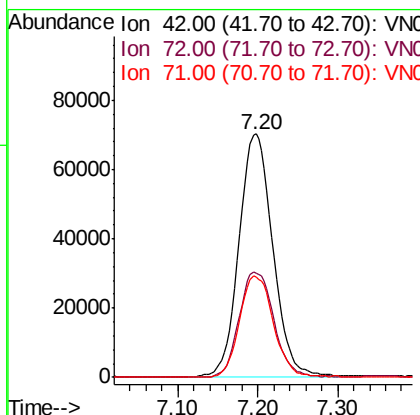
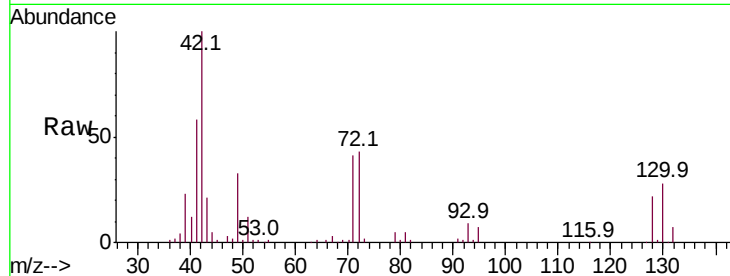
#29
Tetrahydrofuran
Concen: 105.135 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	41.6	33.5	50.3

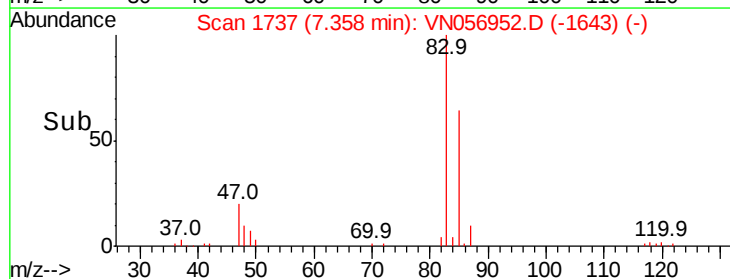
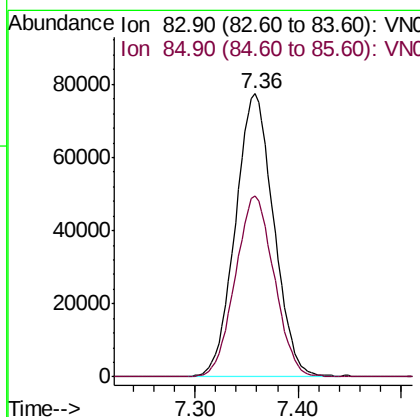
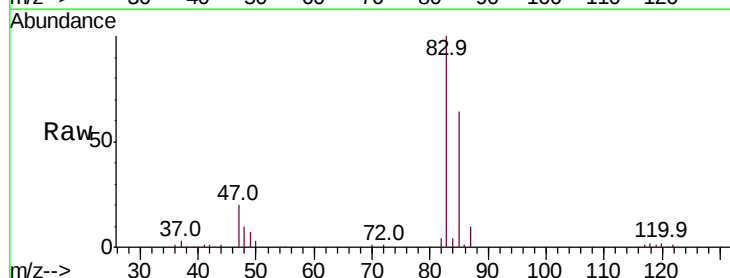
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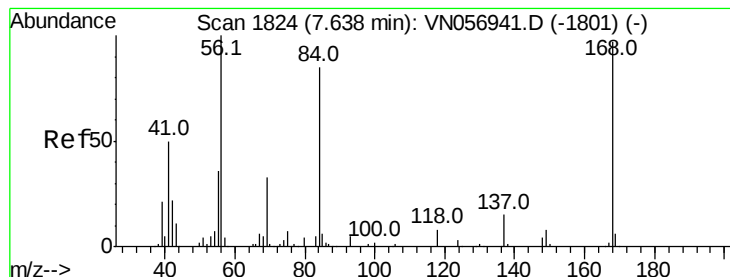
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#30
Chloroform
Concen: 20.114 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2





#31

Cyclohexane

Concen: 19.267 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 56 Resp: 181484

Ion Ratio Lower Upper

56 100

69 36.8 26.2 39.2

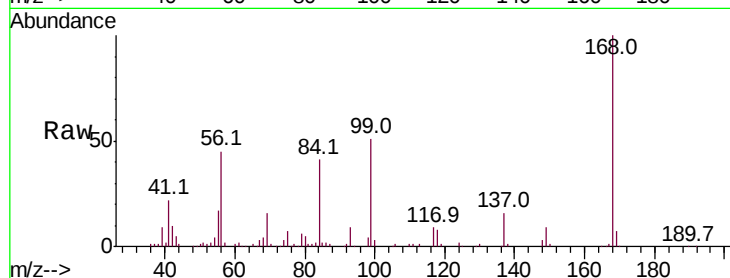
84 91.0 68.2 102.2

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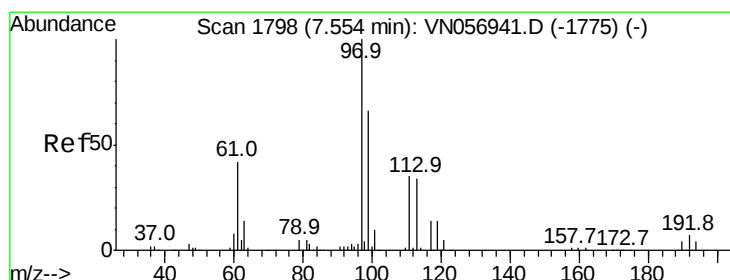
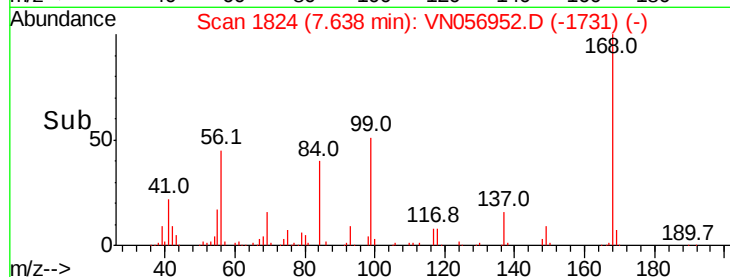
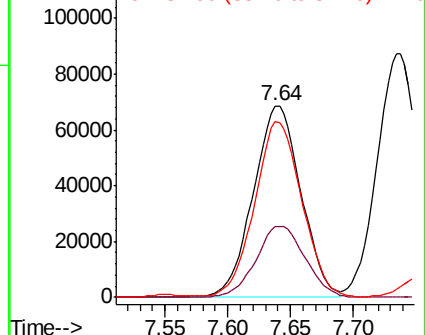


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 20.661 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

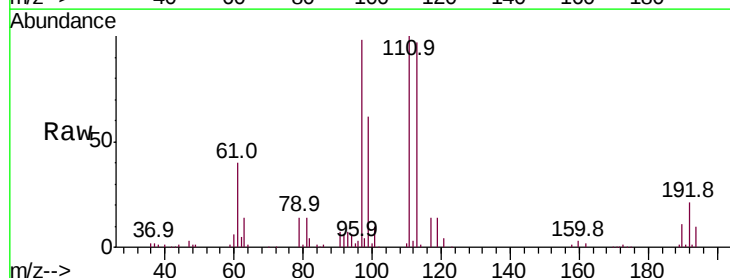
Tgt Ion: 97 Resp: 164062

Ion Ratio Lower Upper

97 100

99 63.3 52.3 78.5

61 41.3 33.9 50.9

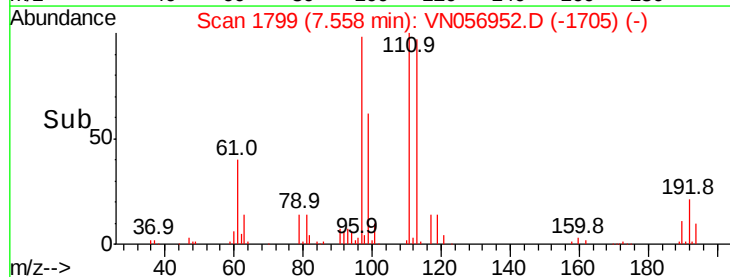
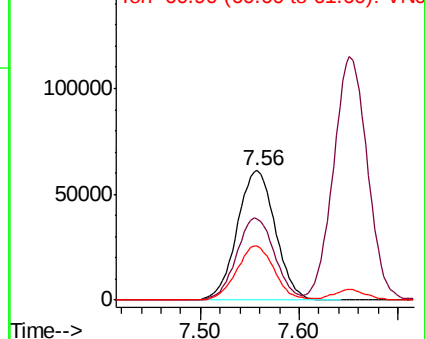


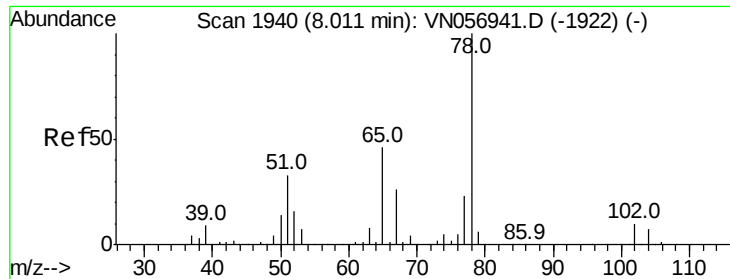
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 54.952 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 65 Resp: 315010

Ion Ratio Lower Upper

65 100

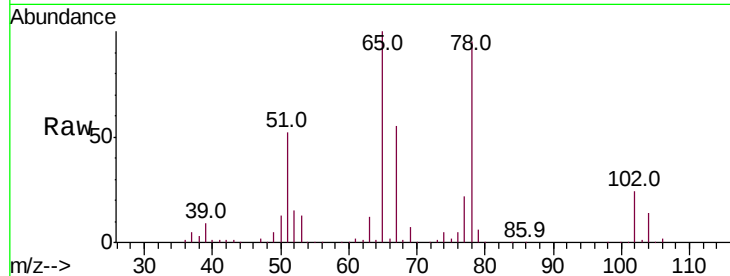
67 55.3 0.0 112.0

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Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)

8.01

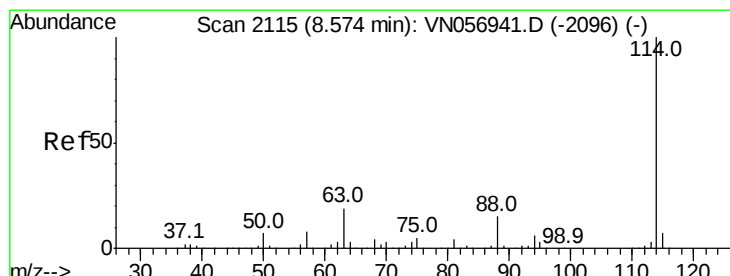
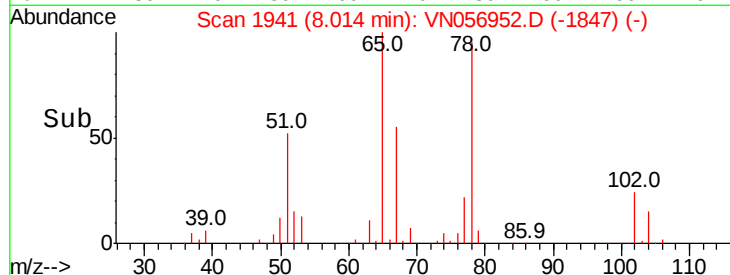
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

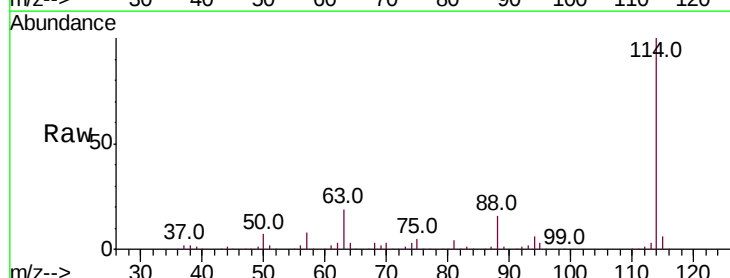
Tgt Ion: 114 Resp: 857985

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.0

88 15.7 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN056941.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN056941.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN056941.D (-2096) (-)

8.57

500000

400000

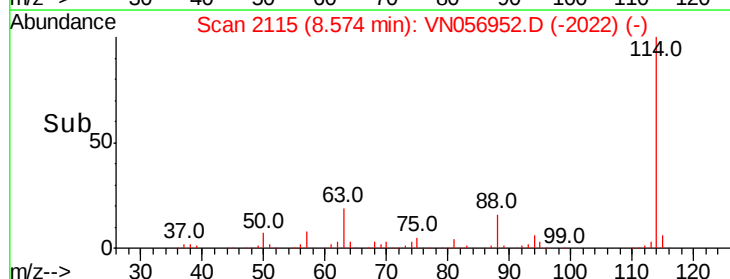
300000

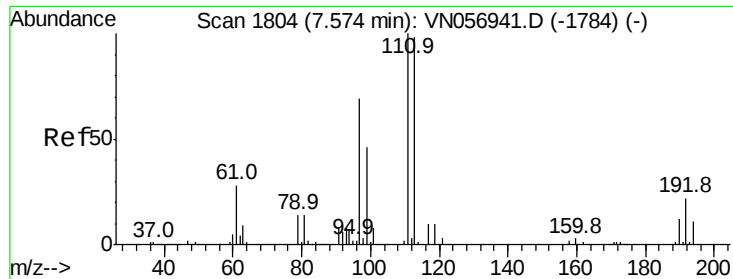
200000

100000

0

Time-->





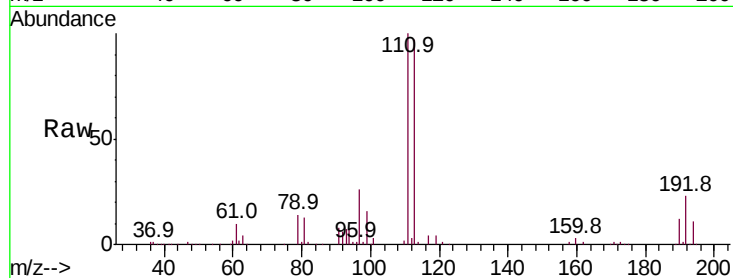
#35
Dibromofluoromethane
Concen: 53.117 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	22.9	18.4	27.6

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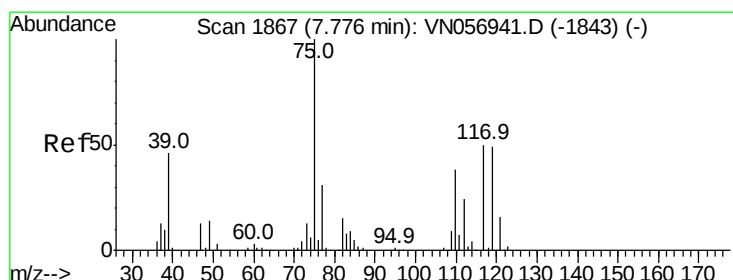
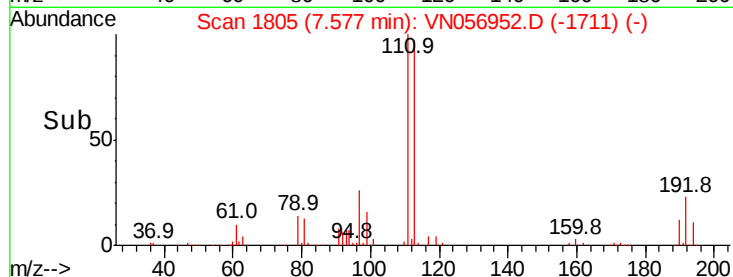
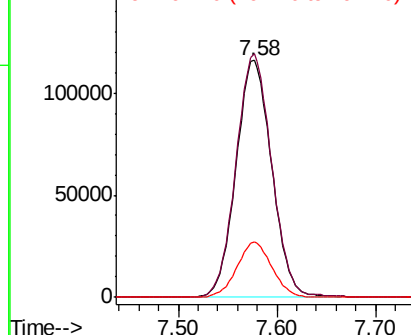


Abundance

Ion 112.80 (112.50 to 113.50): V

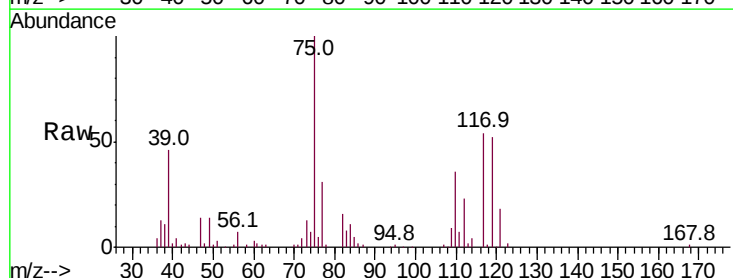
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 19.574 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.6	55.8
77	30.7	25.2	37.8

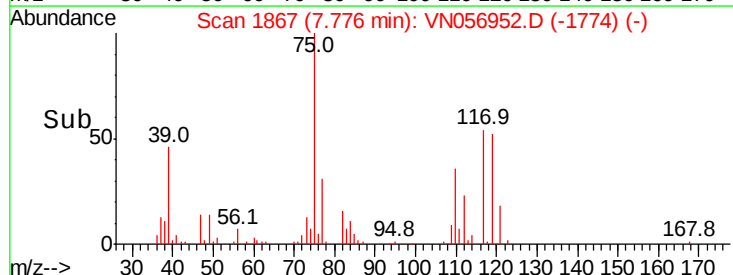
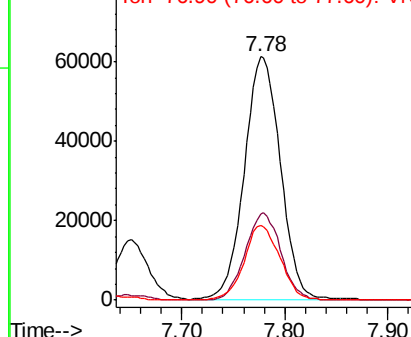


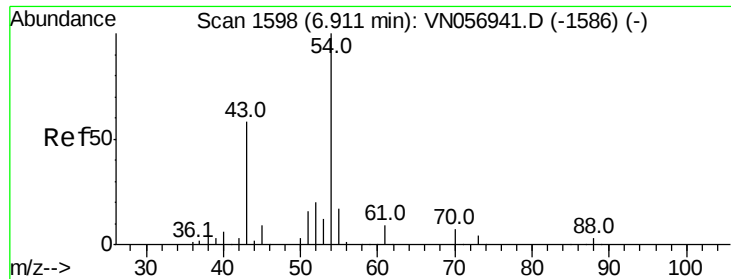
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





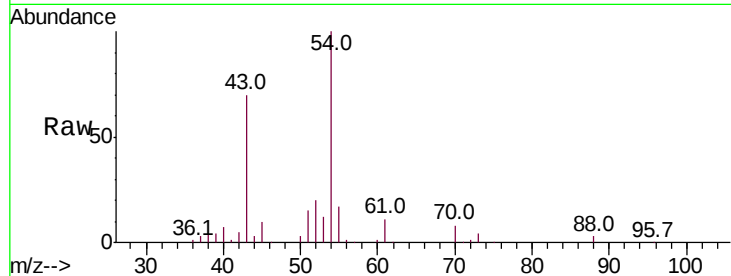
#37
Ethyl Acetate
Concen: 19.787 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS01

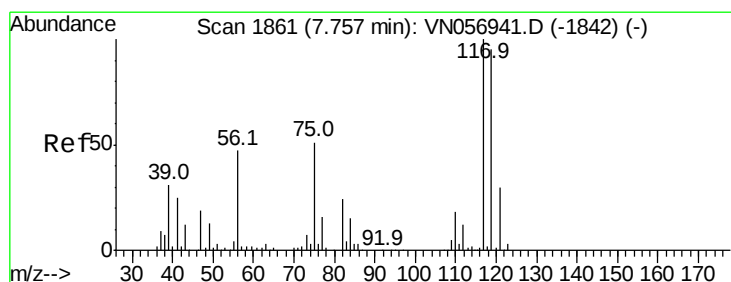
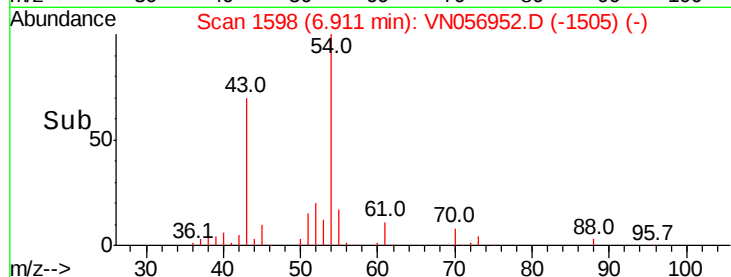
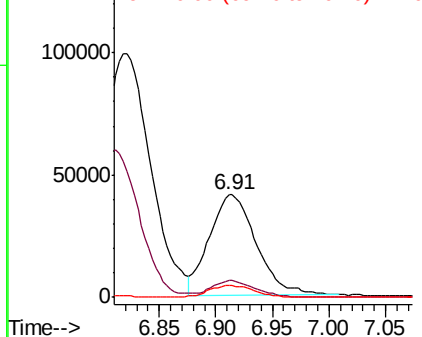
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.8	17.6
70	11.4	8.5	12.7

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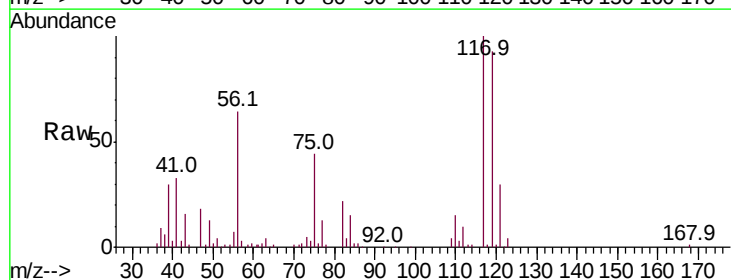


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

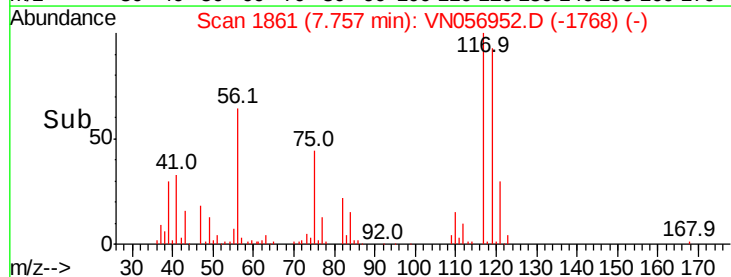
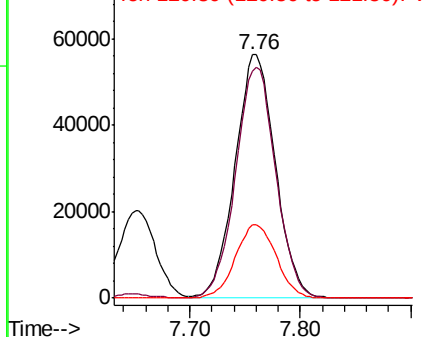


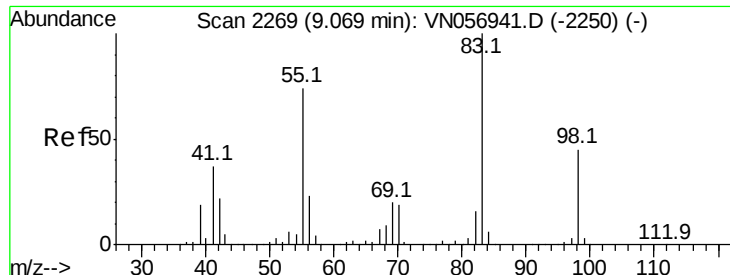
#38
Carbon Tetrachloride
Concen: 19.919 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.3	112.9
121	30.2	24.2	36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





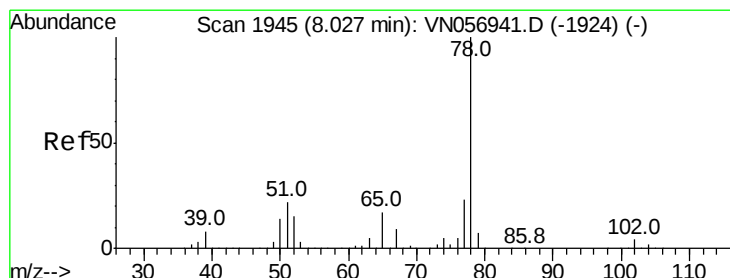
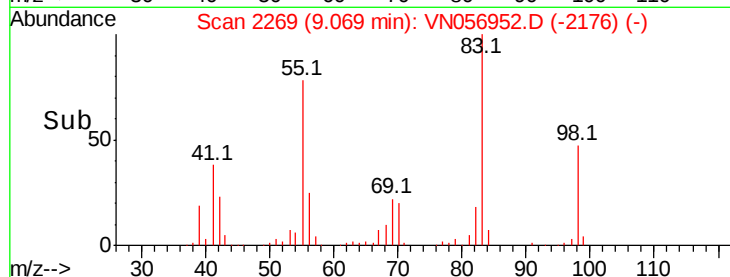
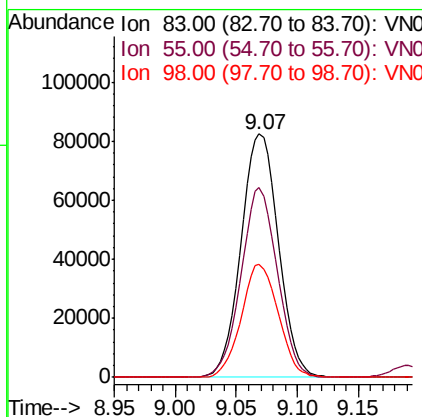
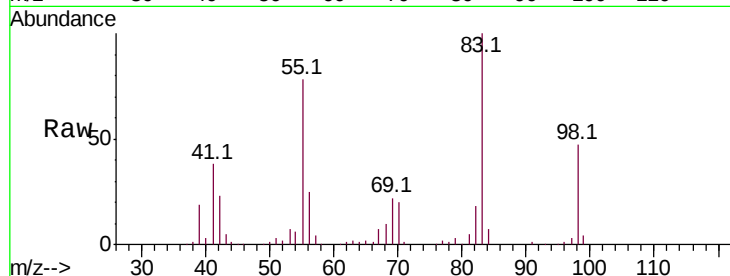
#39
Methvlcvclohexane
Concen: 18.100 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	83	Resp	174647
Ion Ratio	100	Lower	Upper
83	100		
55	78.2	59.0	88.6
98	46.5	36.2	54.4

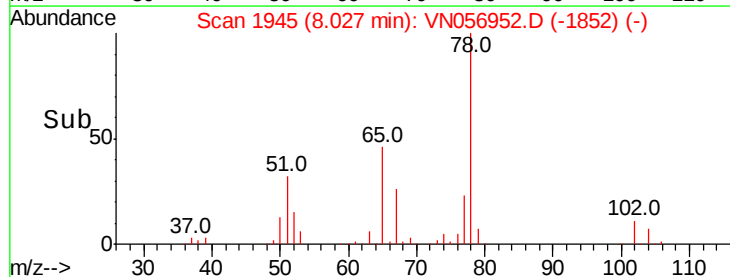
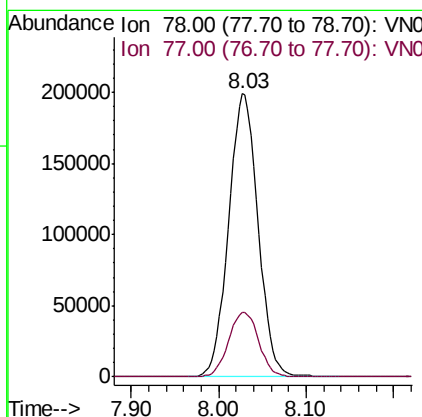
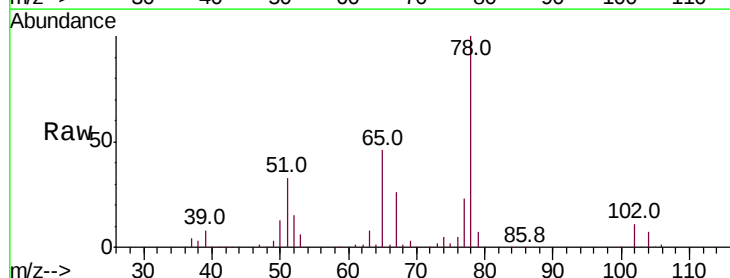
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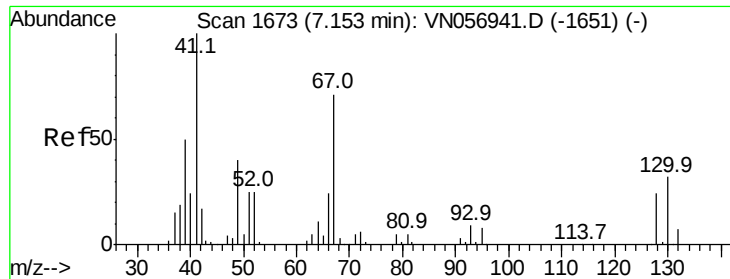
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#40
Benzene
Concen: 19.961 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	78	Resp	464168
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	18.3	27.5





#41

Methacrylonitrile

Concen: 14.099 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 41 Resp: 39411

Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

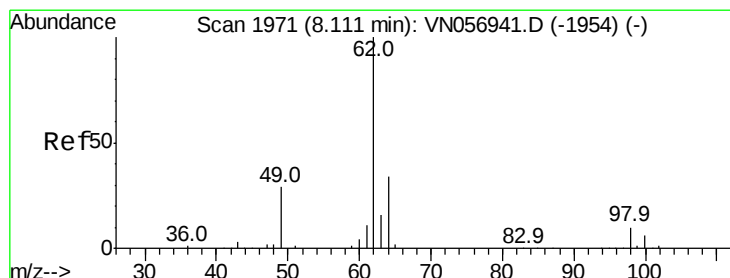
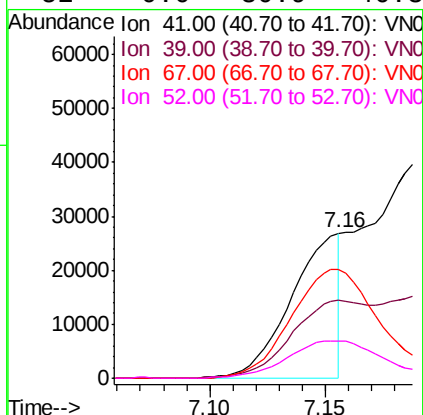
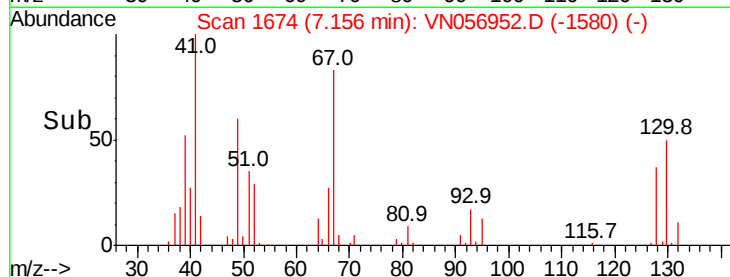
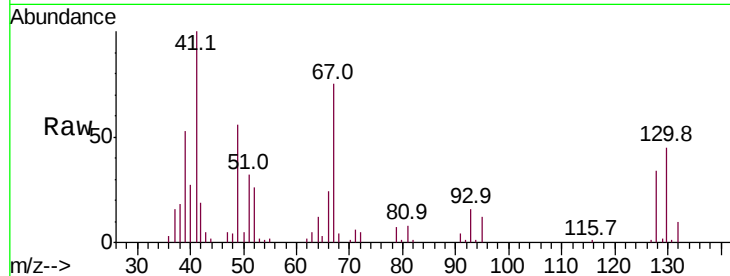
67 0.0 83.4 125.0#

52 0.0 30.9 46.3#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.710 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN056952.D

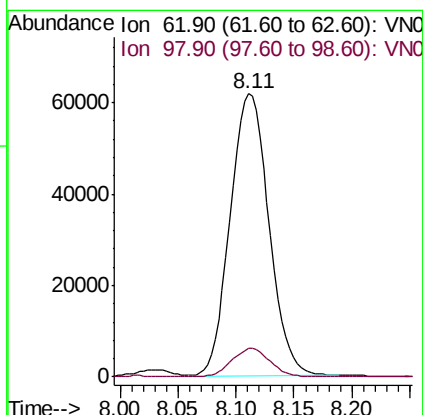
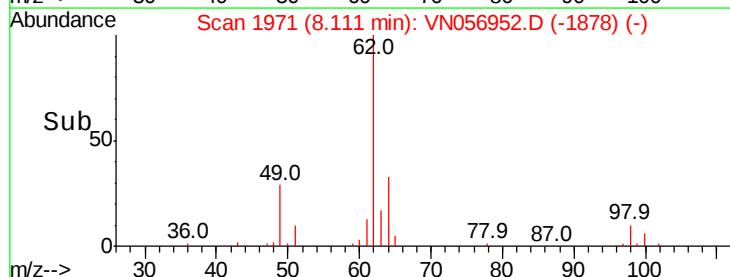
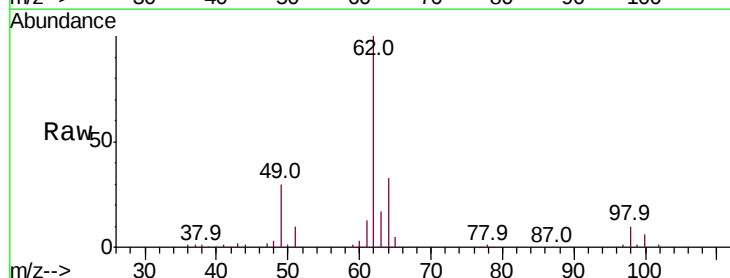
Acq: 26 Jul 2019 19:39

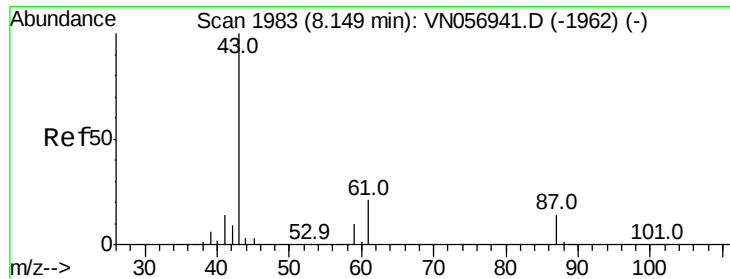
Tgt Ion: 62 Resp: 143643

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.6





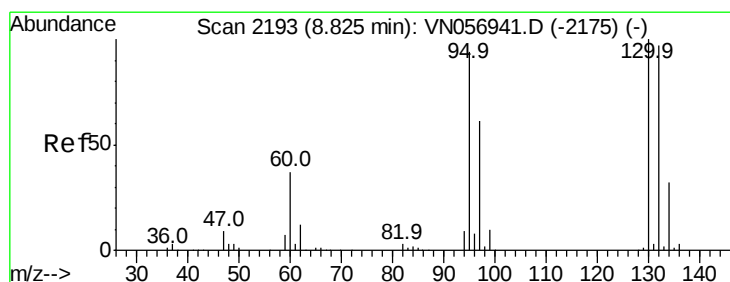
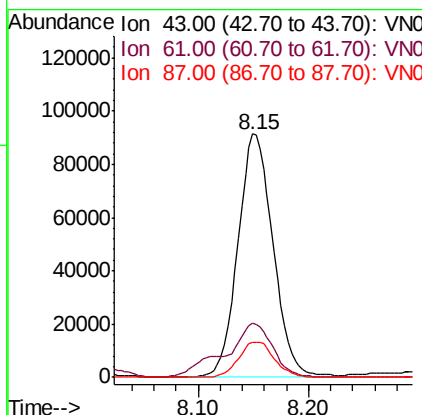
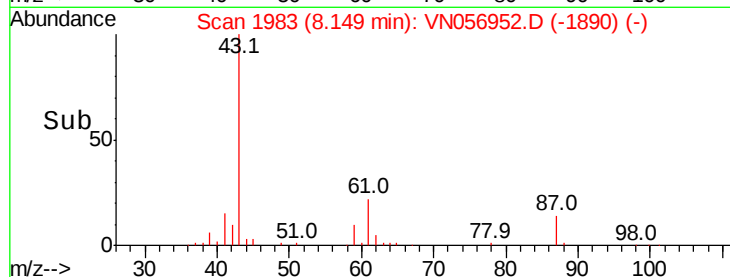
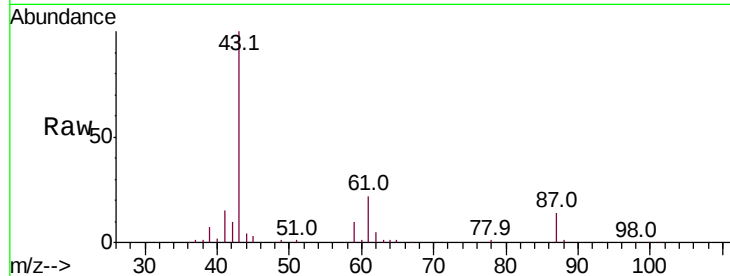
#43
Isopropyl Acetate
Concen: 20.077 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	23.0	34.6#
87	14.8	11.7	17.5

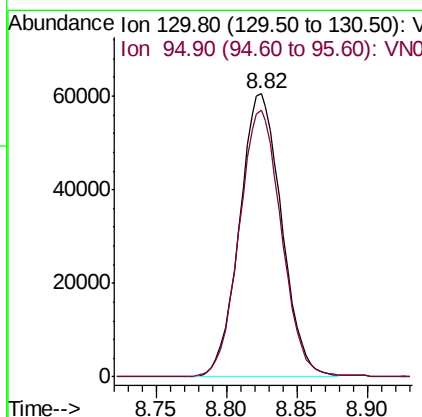
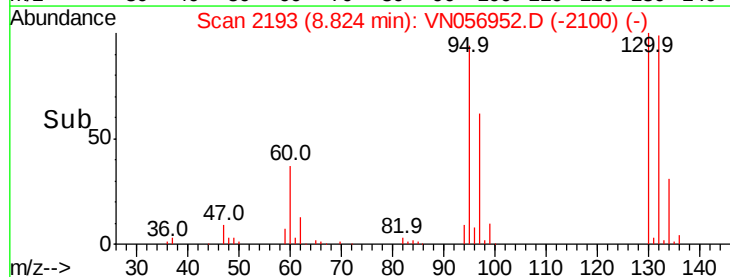
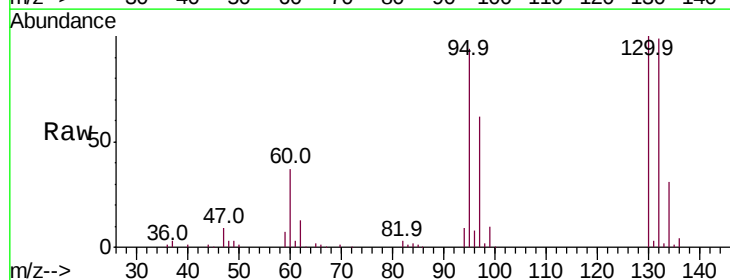
Manual Integrations
APPROVED

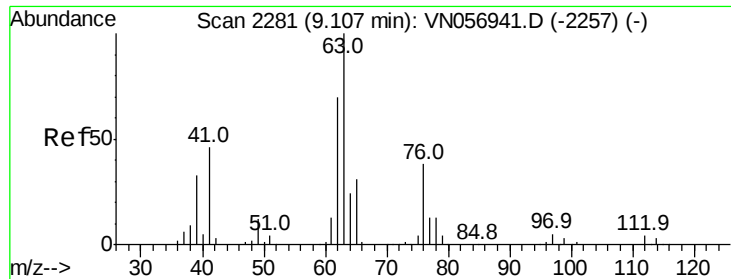
MMDadoda
7/31/2019 11:46:53 AM



#44
Trichloroethene
Concen: 19.700 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	189.0





#45

1,2-Dichloropropane

Concen: 19.875 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 63 Resp: 123616

Ion Ratio Lower Upper

63 100

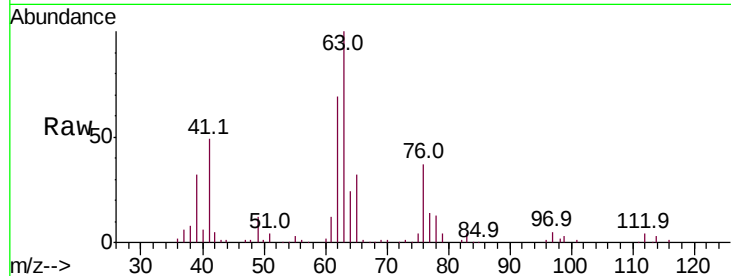
65 32.0 24.8 37.2

Manual Integrations

APPROVED

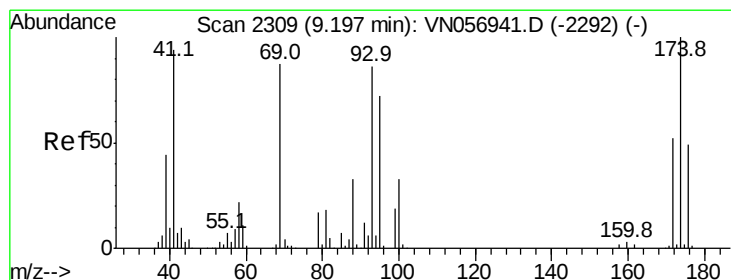
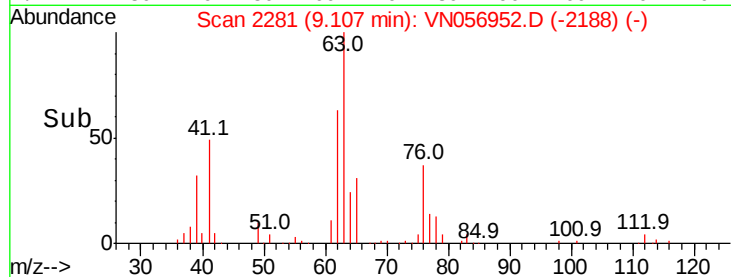
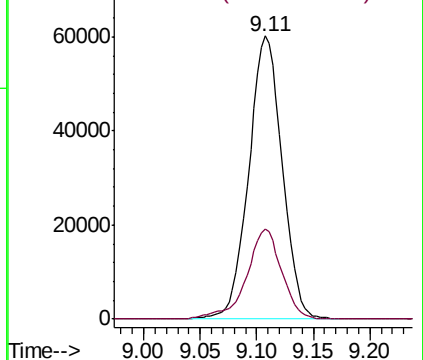
MMDadoda

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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: 20.583 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

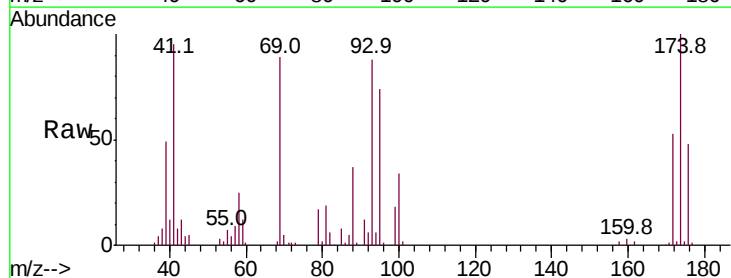
Tgt Ion: 93 Resp: 77207

Ion Ratio Lower Upper

93 100

95 84.1 67.0 100.6

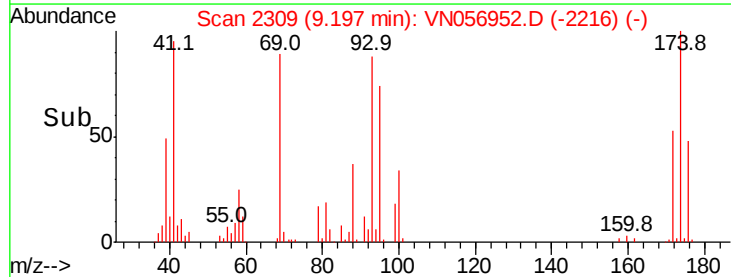
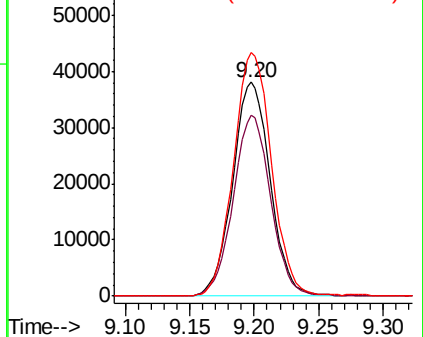
174 115.4 92.7 139.1

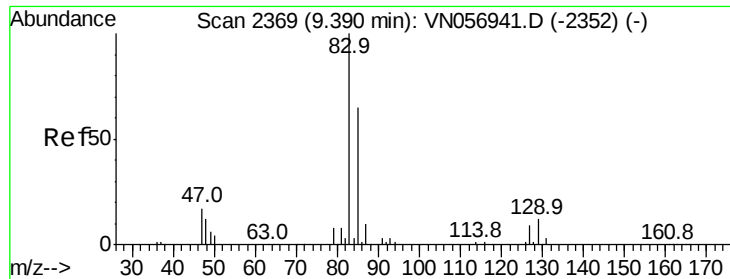


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





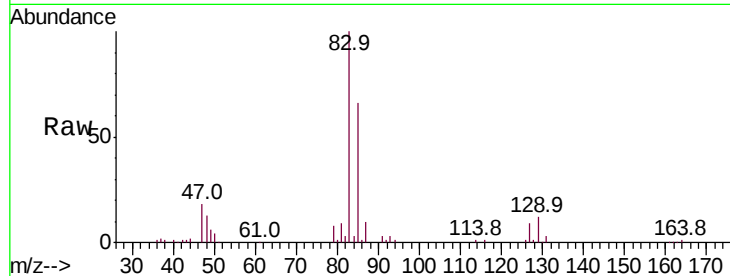
#47
Bromodichloromethane
Concen: 19.982 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.1	51.6	77.4	
127	9.2	7.3	10.9	

Manual Integrations
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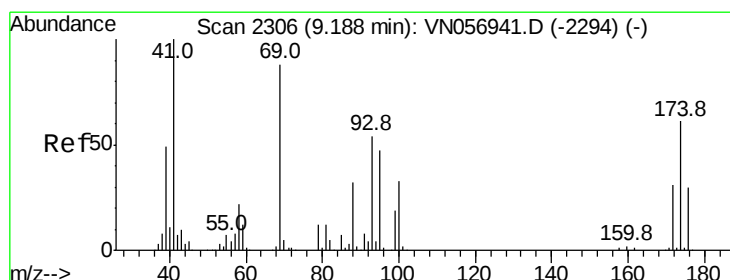
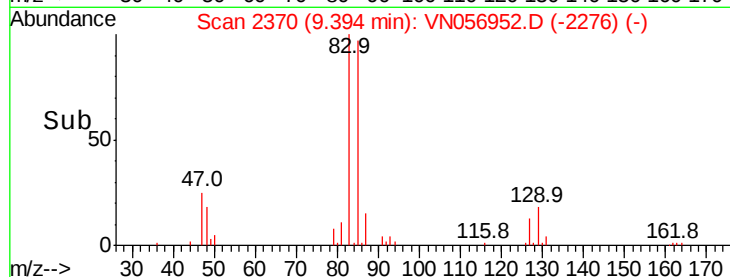
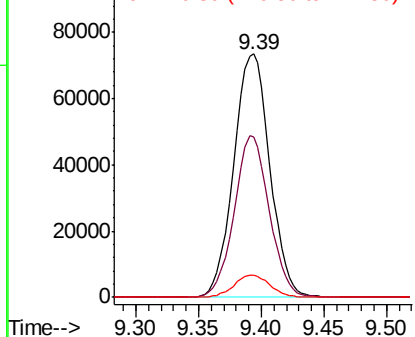
MMDadoda
7/31/2019 11:46:53 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

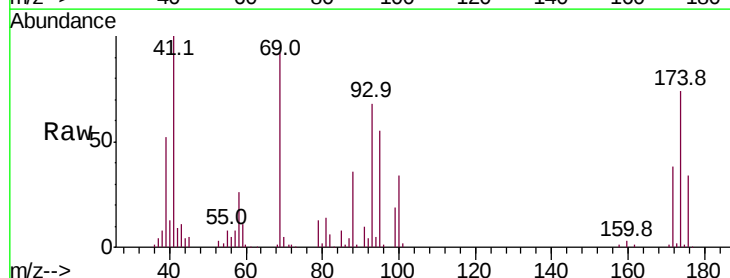
Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)



#48
Methyl methacrylate
Concen: 20.339 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

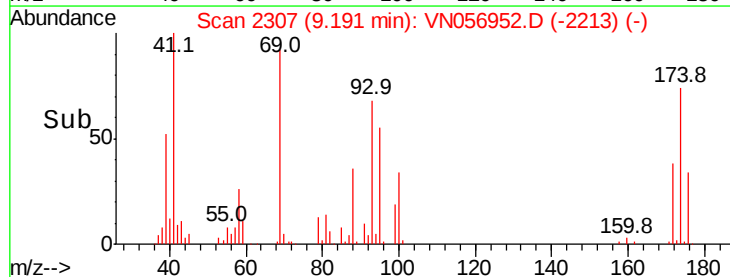
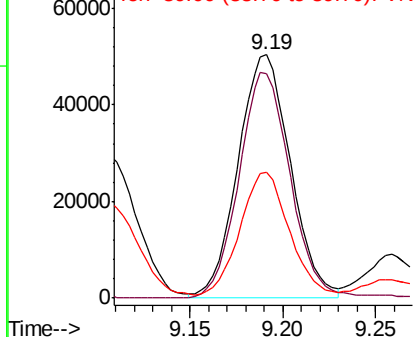
Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.3	73.4	110.0	
39	49.6	39.9	59.9	

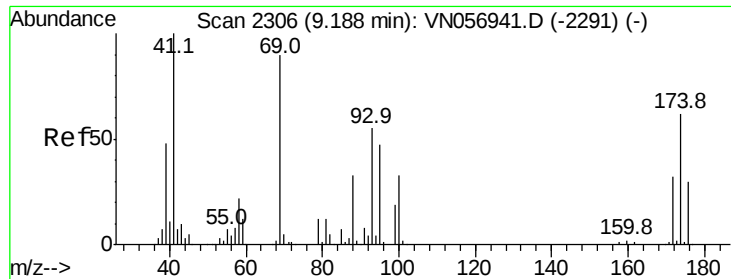


Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)





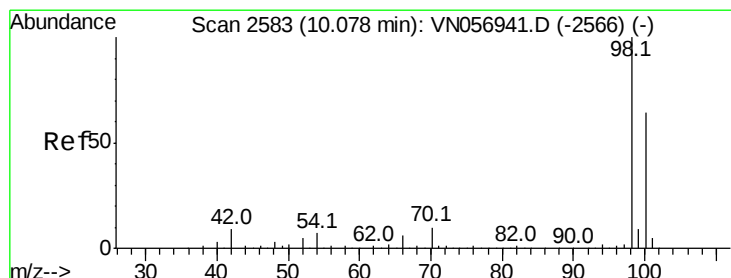
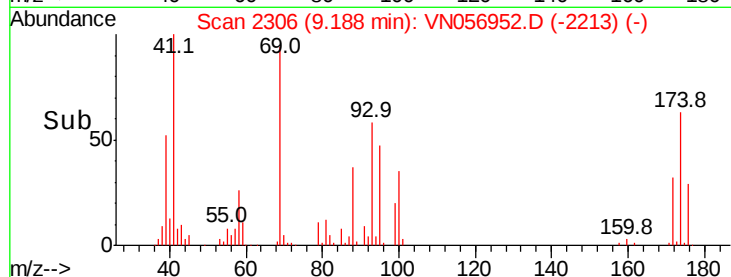
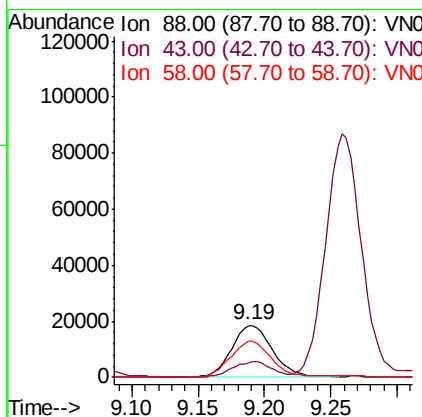
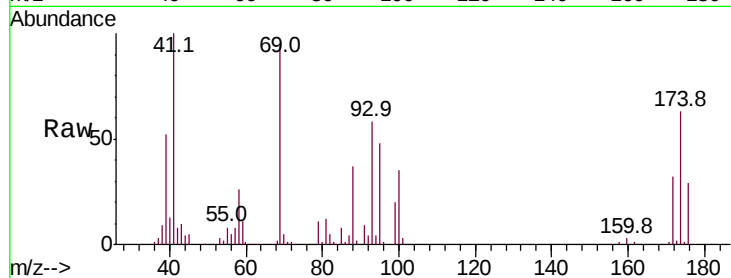
#49
 1,4-Dioxane
 Concen: 402.978 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	88	Resp	40070
Ion	Ratio	Lower	Upper
88	100		
43	27.9	22.2	33.2
58	69.5	54.1	81.1

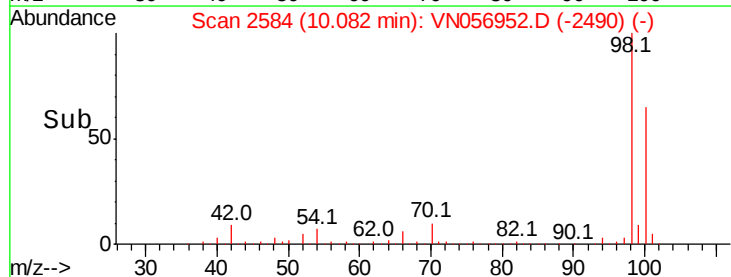
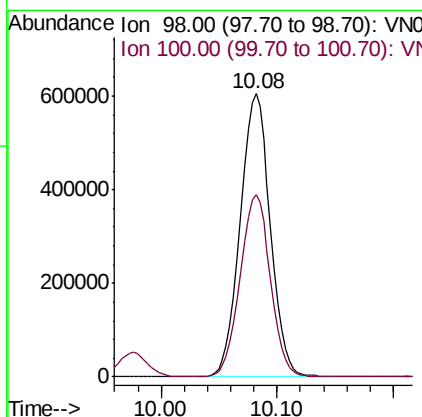
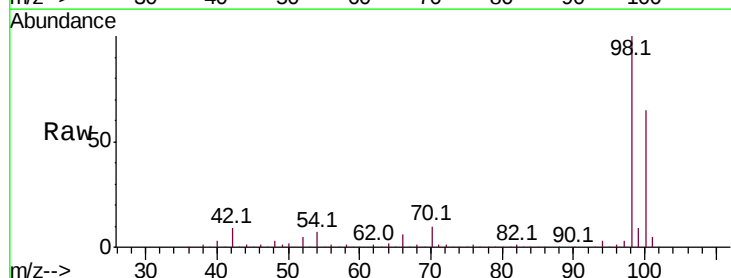
Manual Integrations
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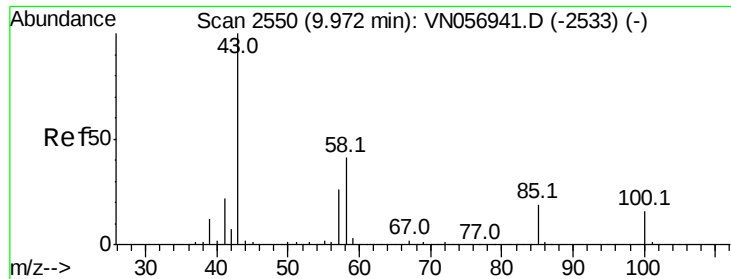
MMDadoda
 7/31/2019 11:46:53 AM



#50
 Toluene-d8
 Concen: 51.991 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion	98	Resp	1088987
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 101.464 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampled :

VN0727WBS01

Tot Ion: 43 Resp: 602499

Ion Ratio Lower Upper

43 100

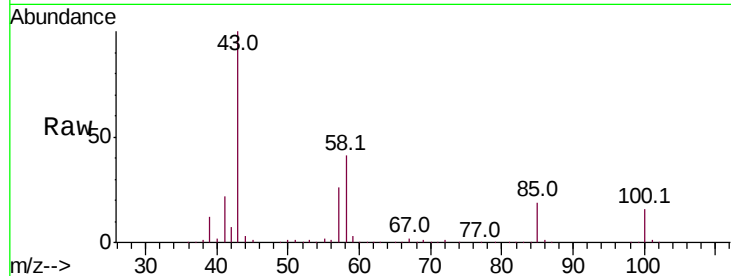
58 40.9 33.1 49.7

Manual Integrations

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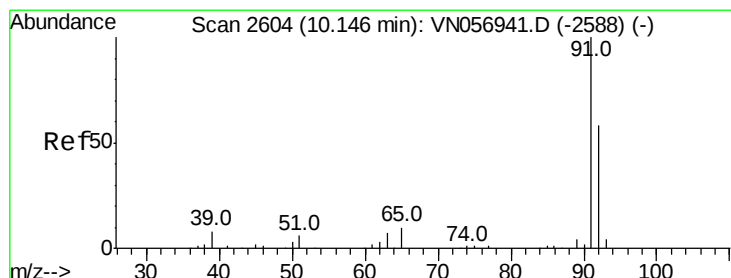
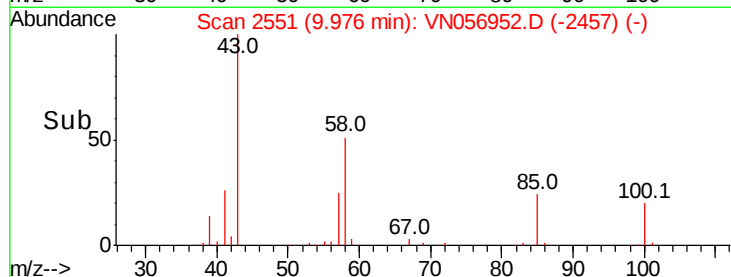
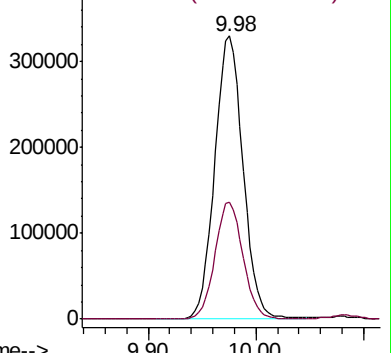
MMDadoda

7/31/2019 11:46:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.025 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056952.D

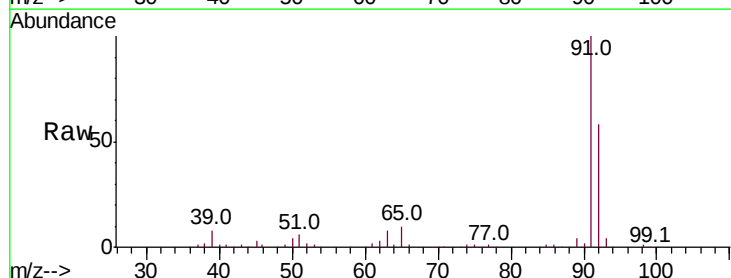
Acq: 26 Jul 2019 19:39

Tgt Ion: 92 Resp: 279765

Ion Ratio Lower Upper

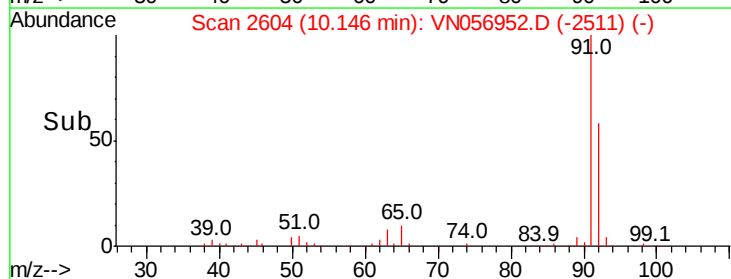
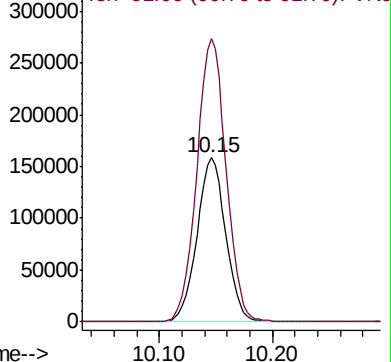
92 100

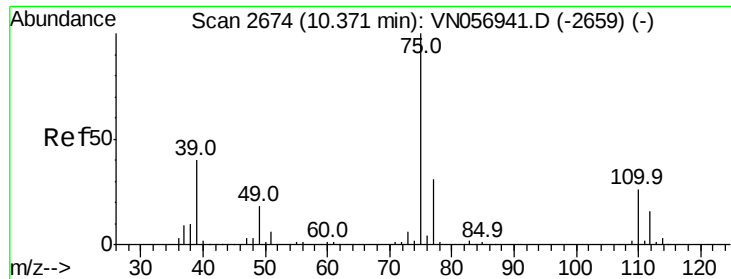
91 176.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





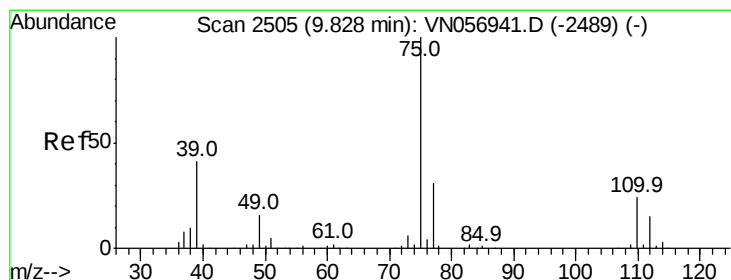
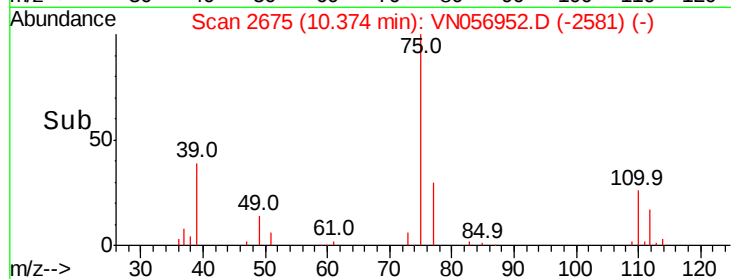
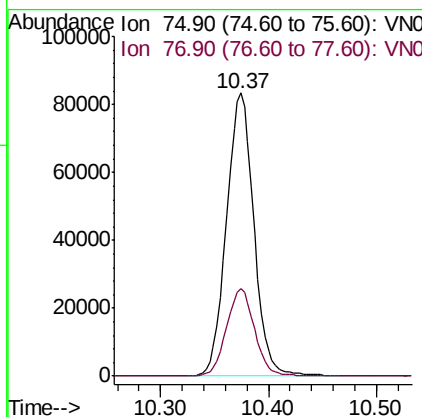
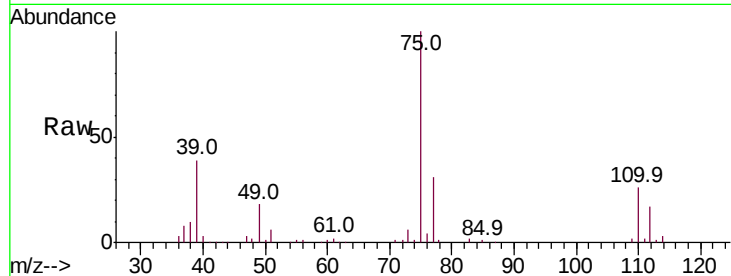
#53
t-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS01

Tot Ion: 75 Resp: 147873
Ion Ratio Lower Upper
75 100
77 30.8 25.1 37.7

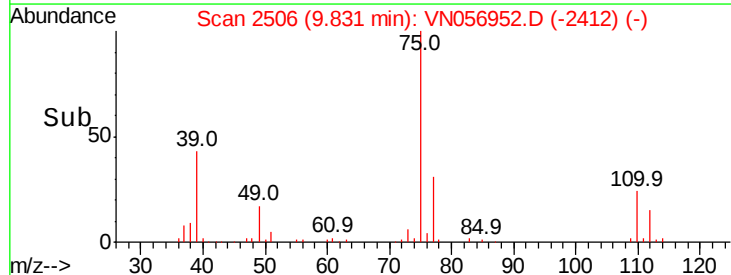
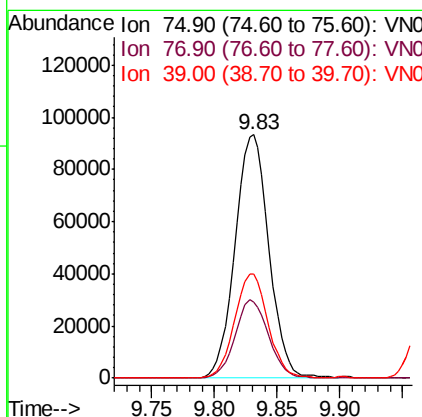
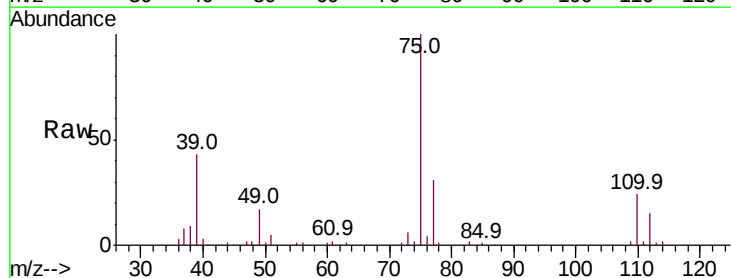
Manual Integrations
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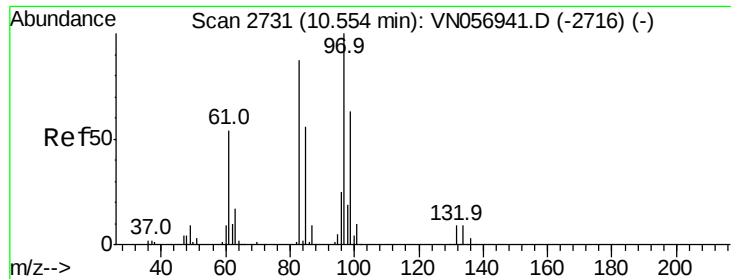
MMDadoda
7/31/2019 11:46:53 AM



#54
cis-1,3-Dichloropropene
Concen: 19.640 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion: 75 Resp: 174757
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 42.8 32.6 49.0





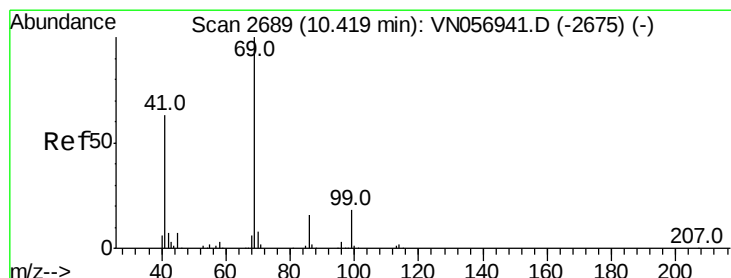
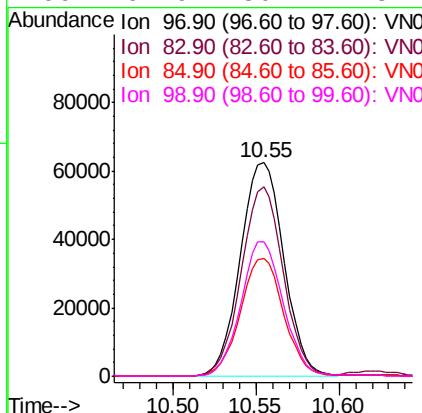
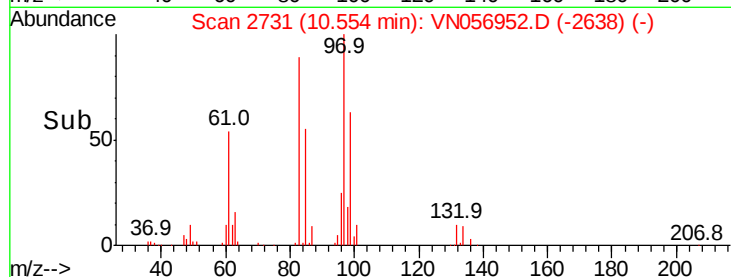
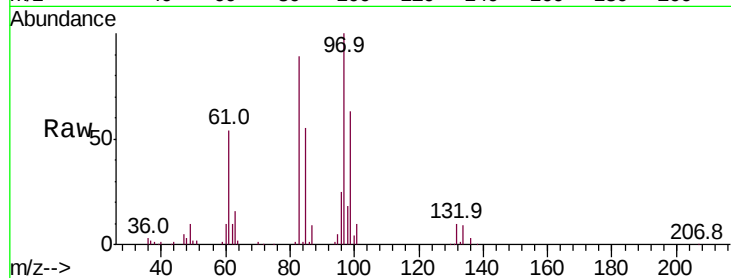
#55
 1,1,2-Trichloroethane
 Concen: 20.347 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.4	104.0
85	55.3	44.7	67.1
99	62.9	50.1	75.1

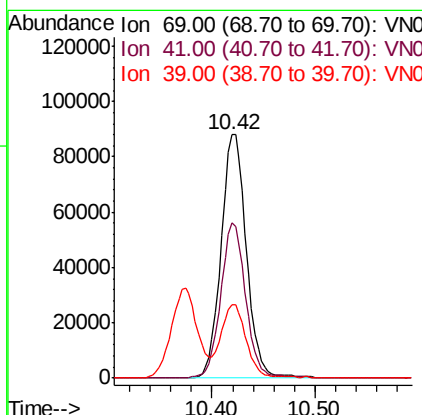
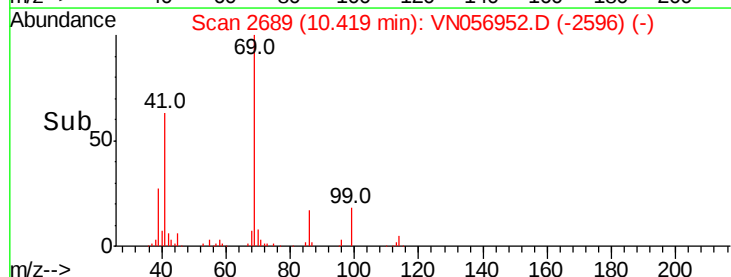
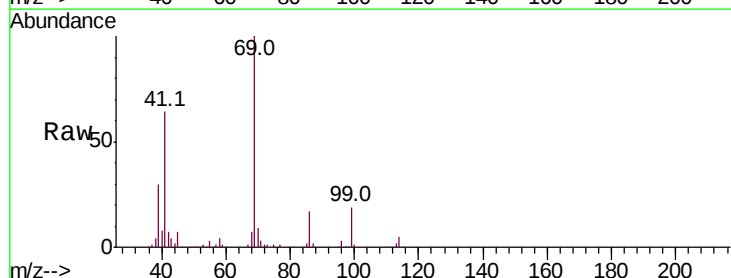
Manual Integrations
 APPROVED

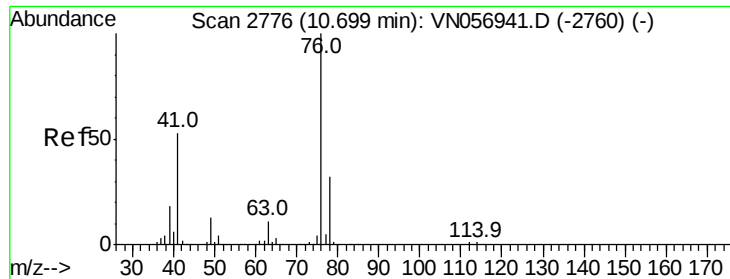
MMDadoda
 7/31/2019 11:46:53 AM



#56
 Ethyl methacrylate
 Concen: 18.937 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.2	73.8
39	30.2	23.1	34.7





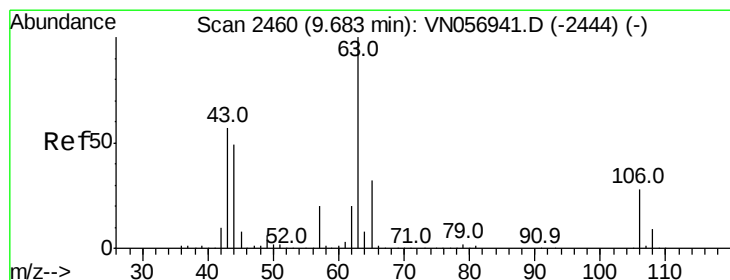
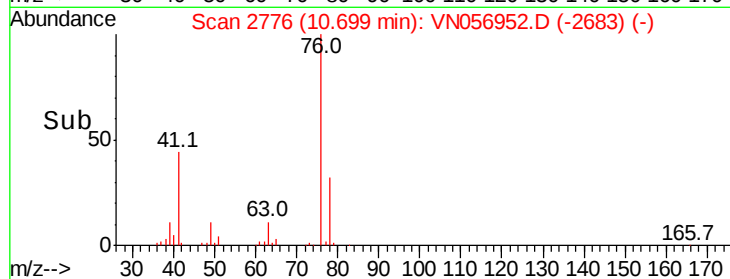
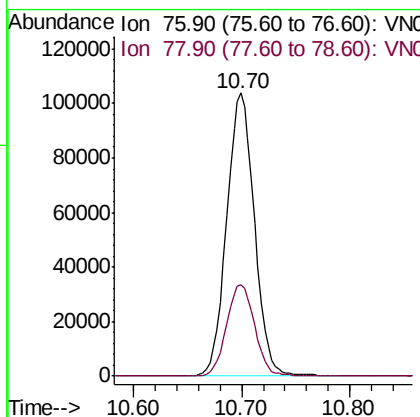
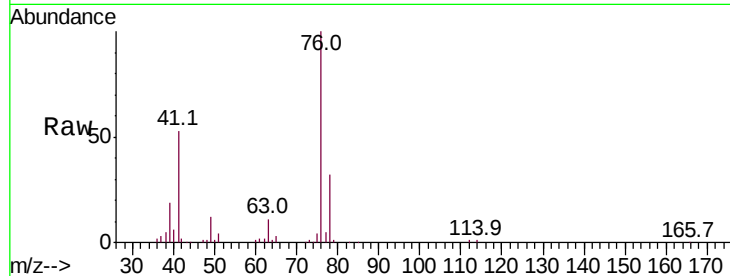
#57
 1,3-Dichloropropane
 Concen: 20.009 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0727WBS01

Tot Ion: 76 Resp: 185898
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9

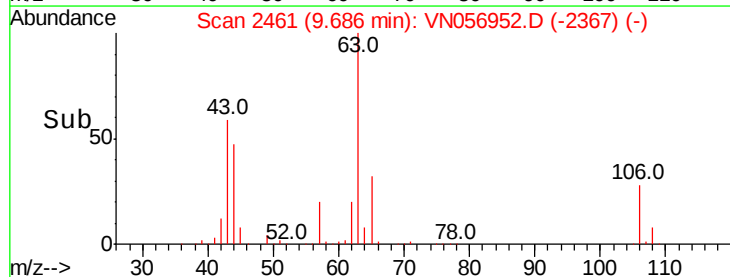
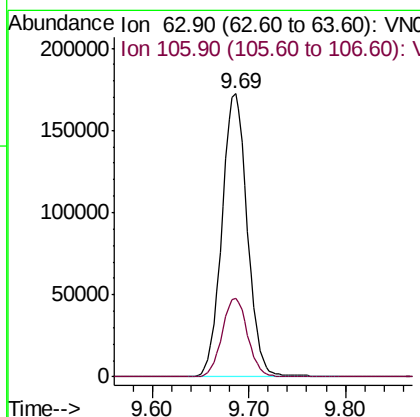
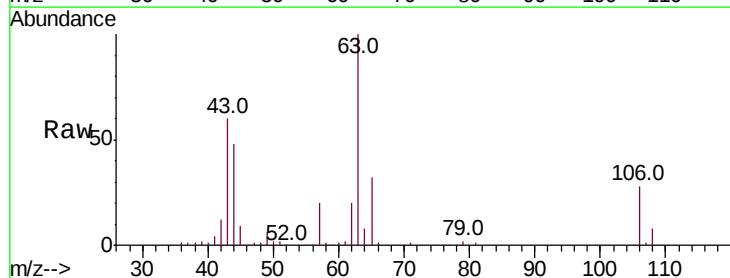
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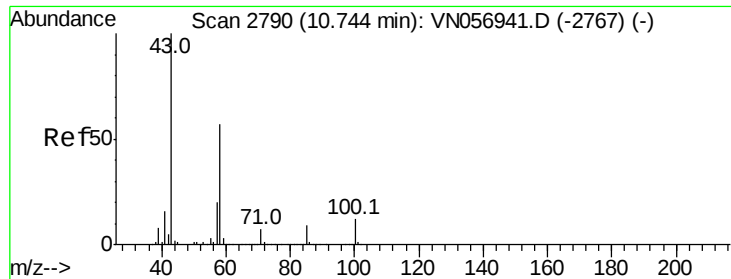
MMDadoda
 7/31/2019 11:46:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.721 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion: 63 Resp: 314663
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.0 33.0





#59

2-Hexanone

Concen: 89.729 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampled :

VN0727WBS01

Tot Ion: 43 Resp: 402919

Ion Ratio Lower Upper

43 100

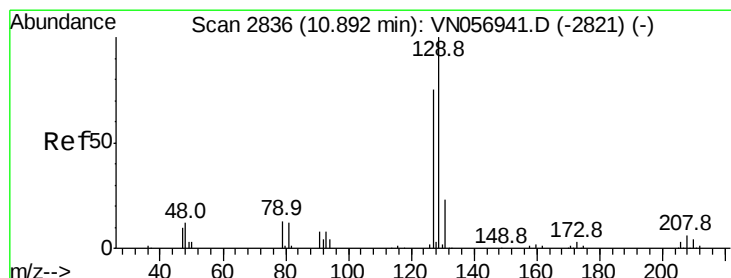
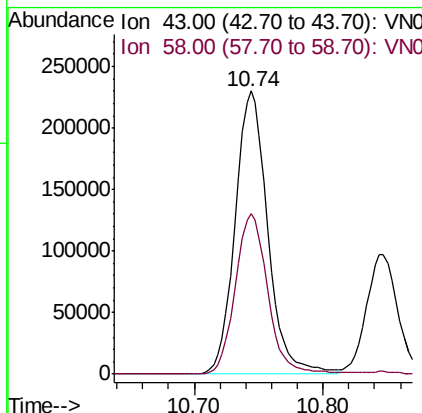
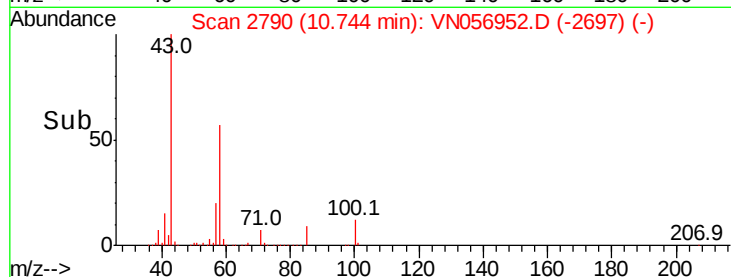
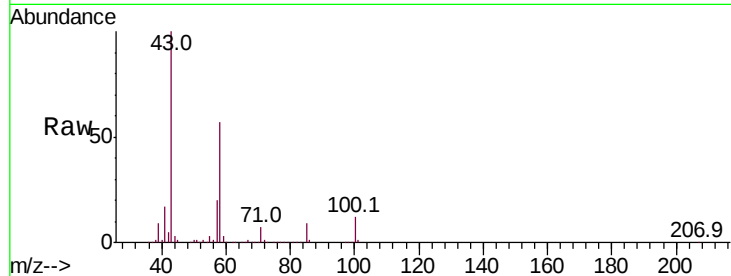
58 56.7 28.5 85.5

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#60

Dibromochloromethane

Concen: 20.339 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN056952.D

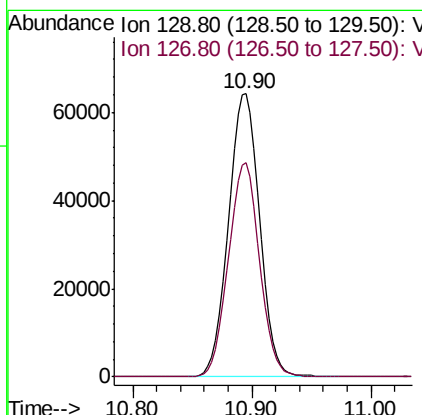
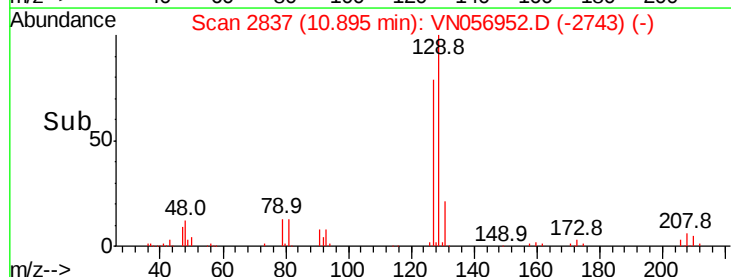
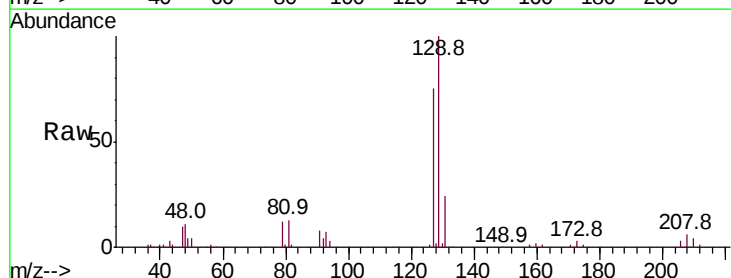
Acq: 26 Jul 2019 19:39

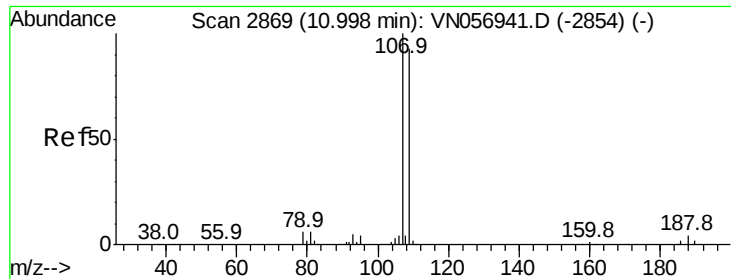
Tgt Ion: 129 Resp: 116750

Ion Ratio Lower Upper

129 100

127 75.3 38.0 113.9





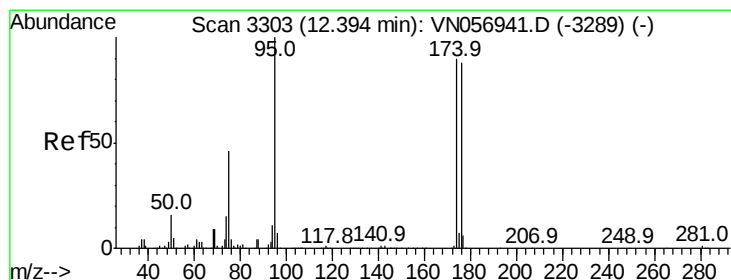
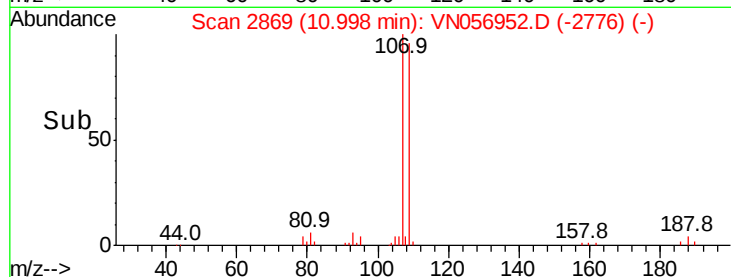
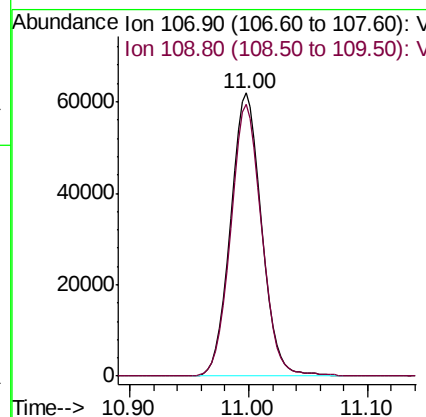
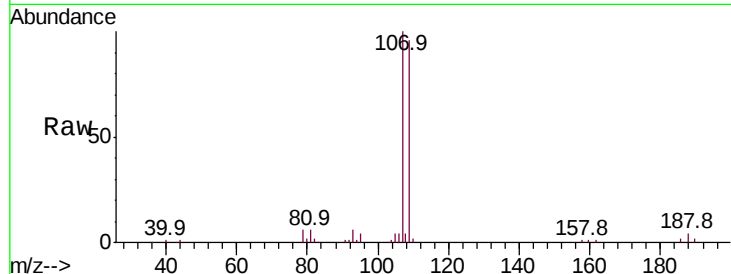
#61
1,2-Dibromoethane
Concen: 20.425 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	76.0	114.0

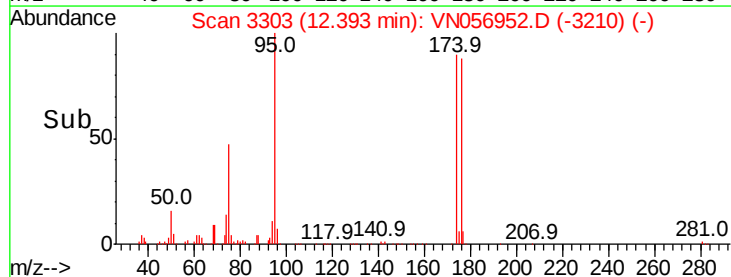
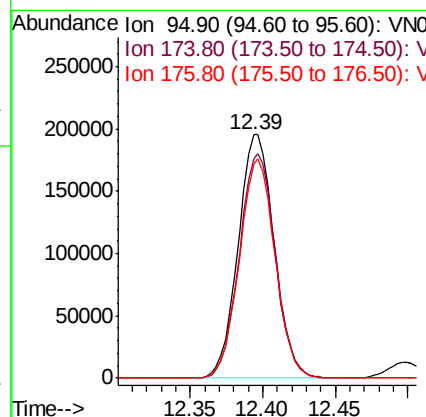
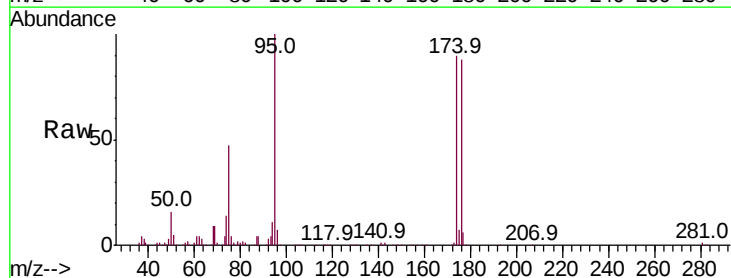
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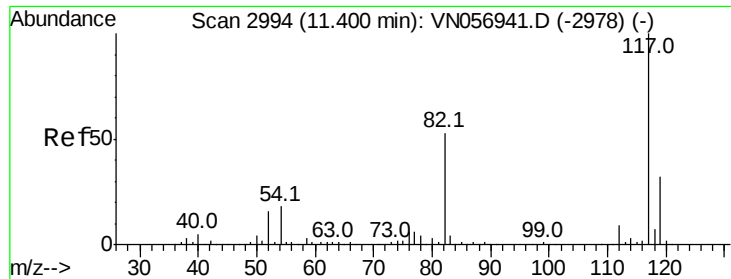
MMDadoda
7/31/2019 11:46:53 AM



#62
4-Bromofluorobenzene
Concen: 49.278 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	182.2
176	89.4	0.0	179.4





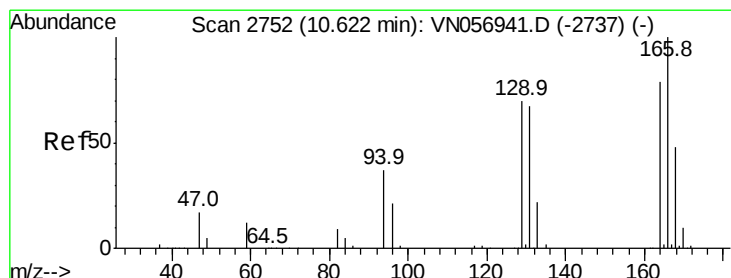
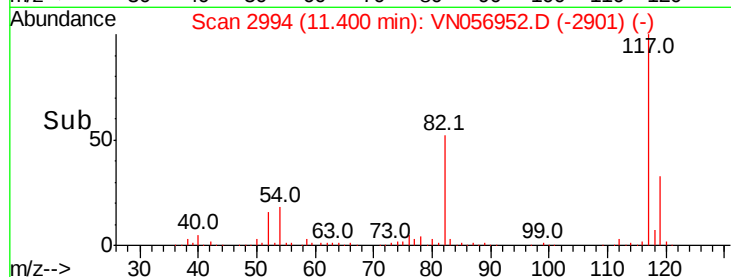
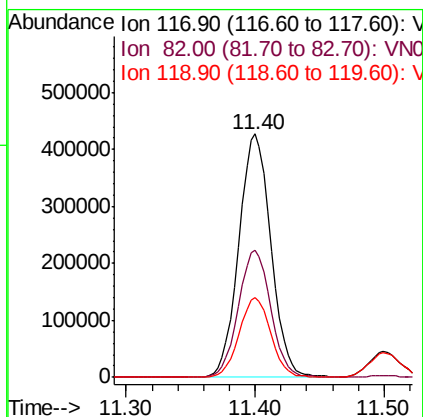
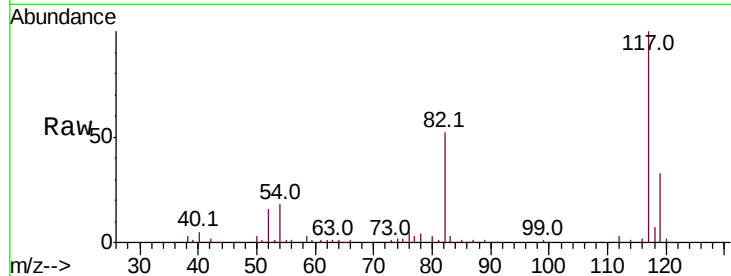
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.2	63.4
119	32.6	25.8	38.6

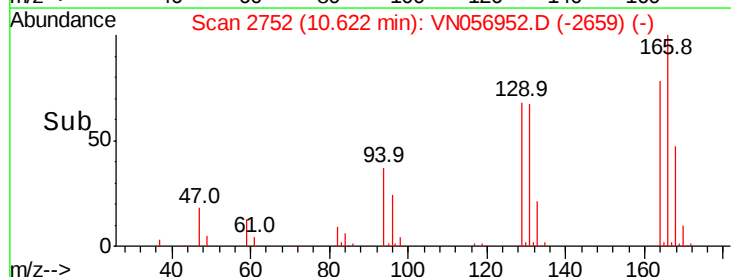
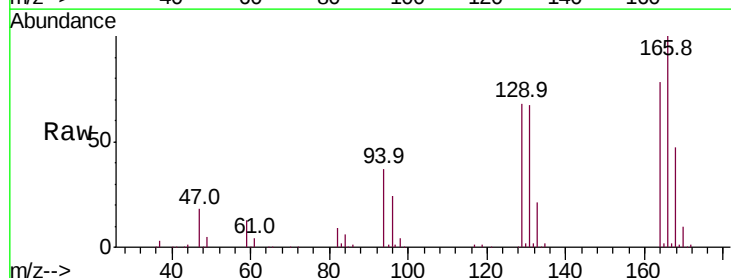
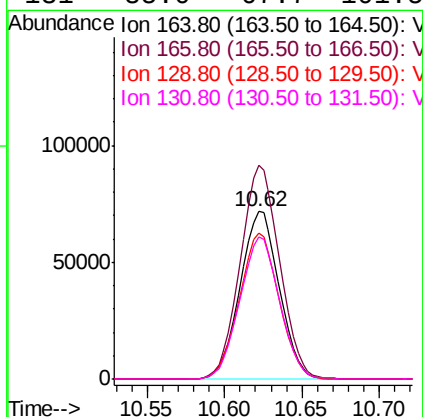
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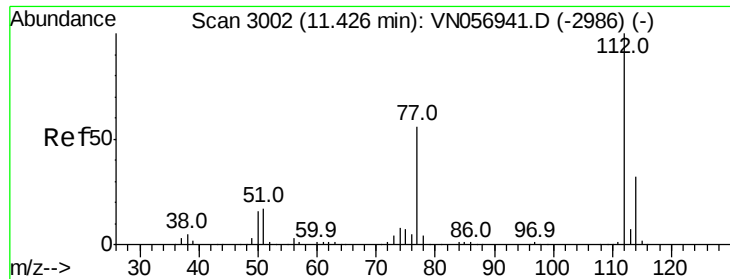
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#64
Tetrachloroethene
Concen: 19.805 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.1	151.7
129	87.4	70.9	106.3
131	85.0	67.7	101.5





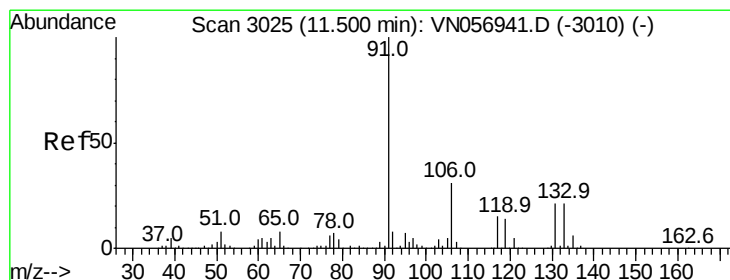
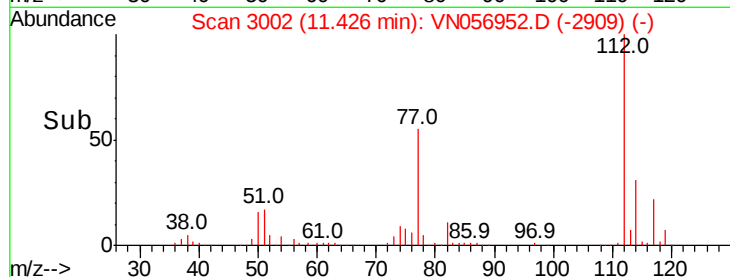
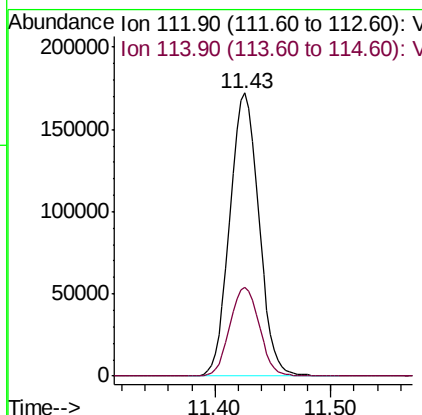
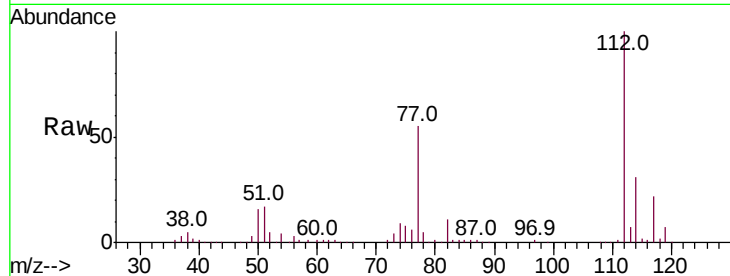
#65
Chlorobenzene
Concen: 19.790 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion:112 Resp: 298500
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0

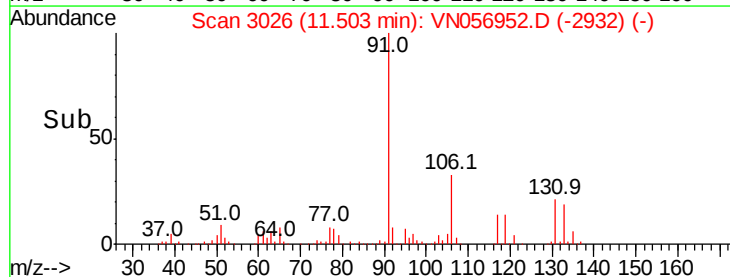
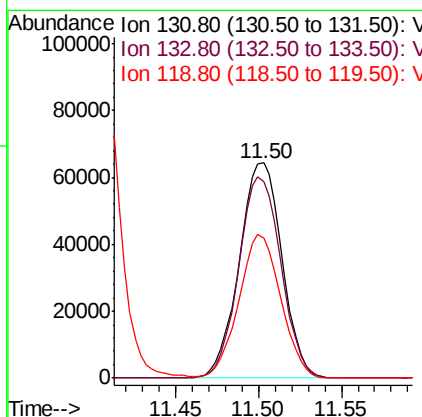
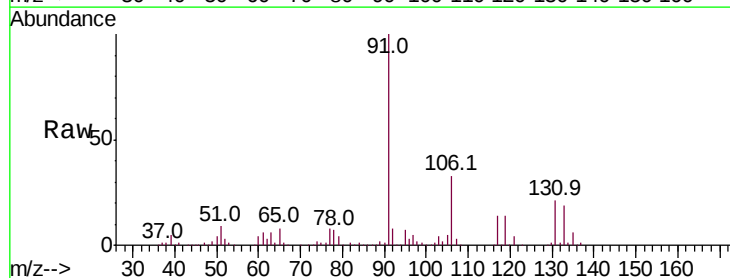
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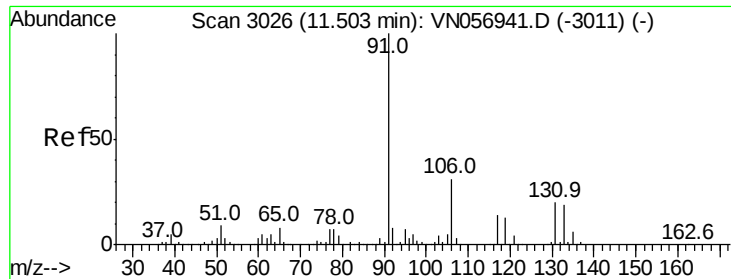
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.269 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion:131 Resp: 115075
Ion Ratio Lower Upper
131 100
133 92.7 48.0 144.0
119 65.8 33.2 99.6





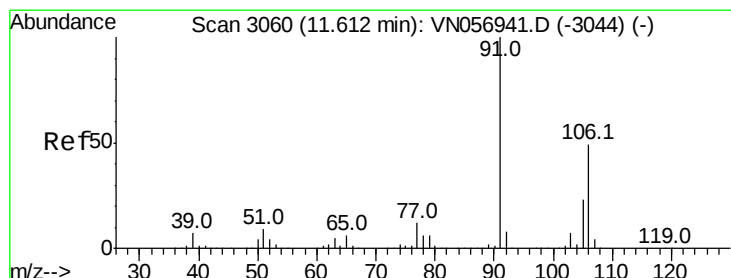
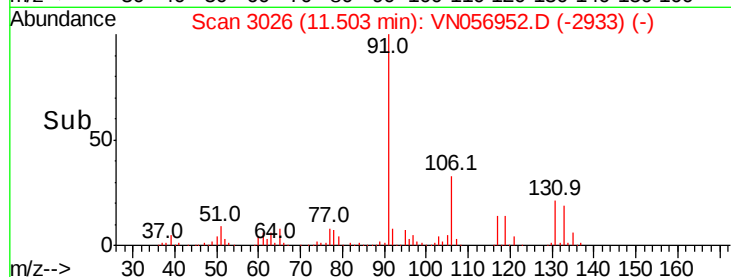
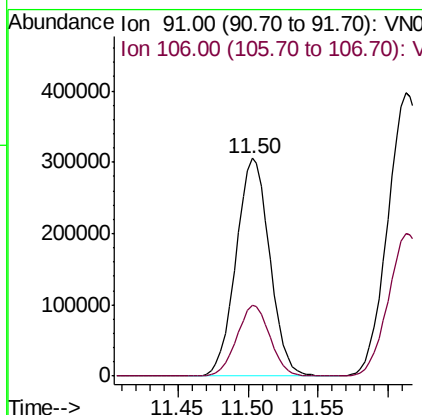
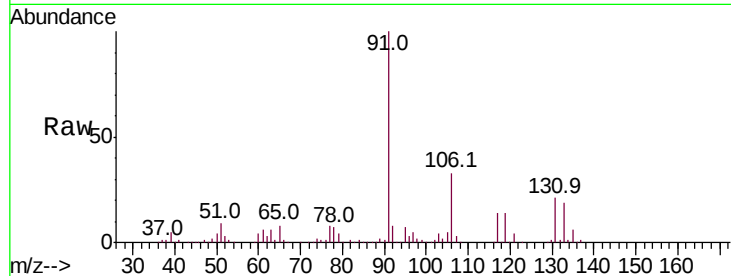
#67
Ethyl Benzene
Concen: 19.671 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS01

Tot Ion: 91 Resp: 512800
Ion Ratio Lower Upper
91 100
106 32.6 25.1 37.7

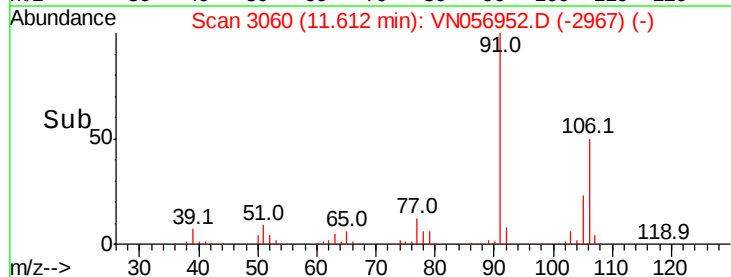
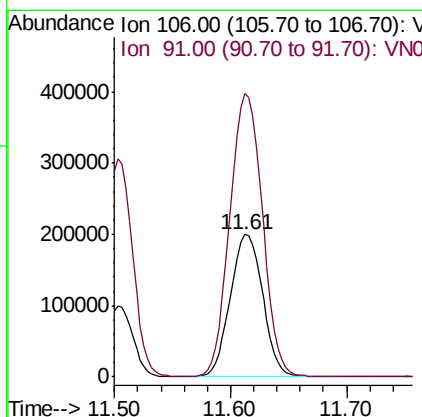
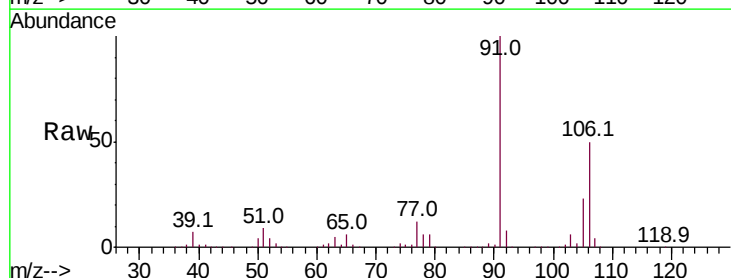
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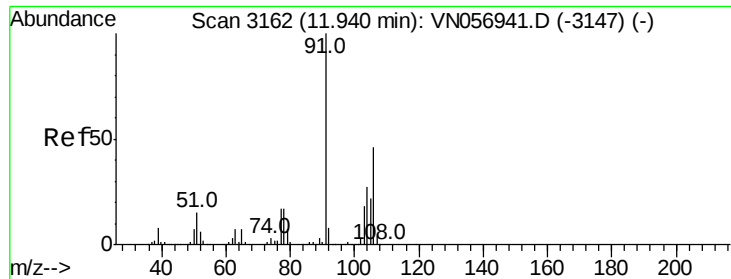
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#68
m/p-Xylenes
Concen: 40.286 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion: 106 Resp: 387595
Ion Ratio Lower Upper
106 100
91 199.8 160.0 240.0





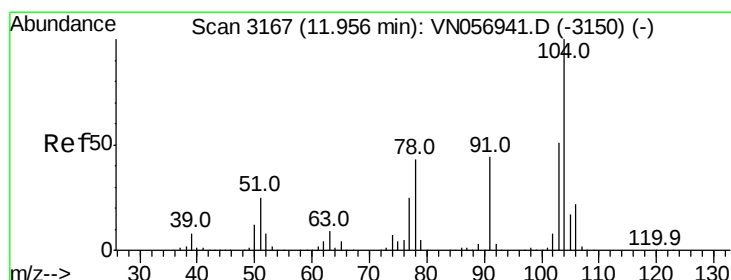
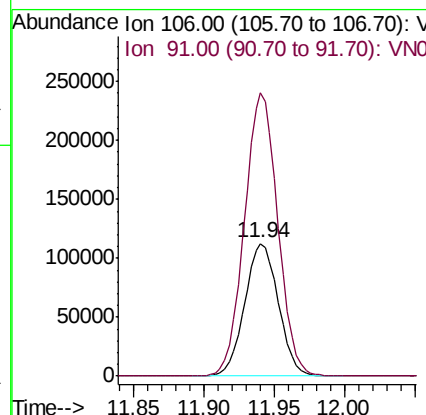
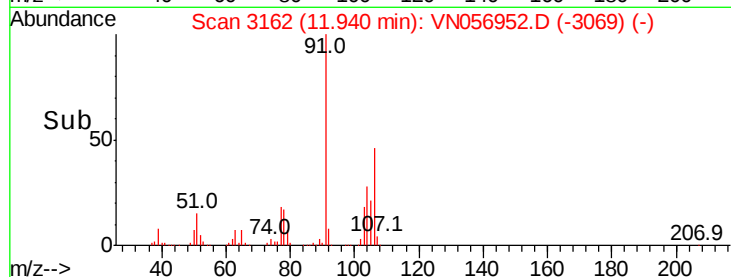
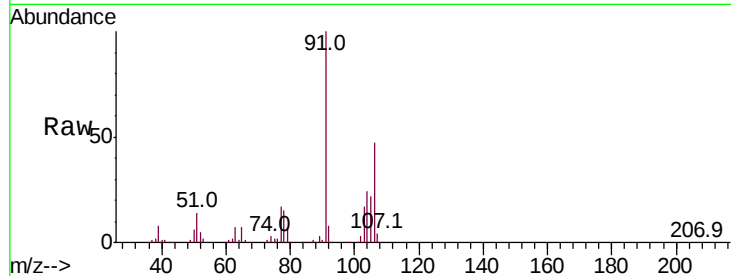
#69
o-Xylene
Concen: 20.031 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS01

Tot Ion:106 Resp: 188545
Ion Ratio Lower Upper
106 100
91 211.4 106.2 318.6

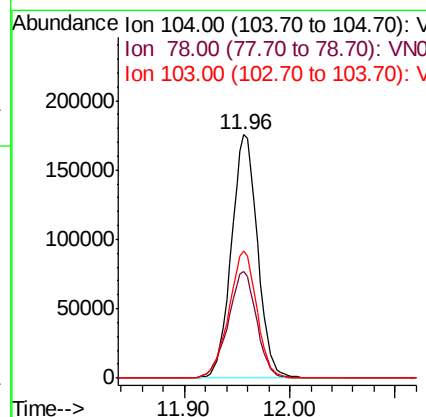
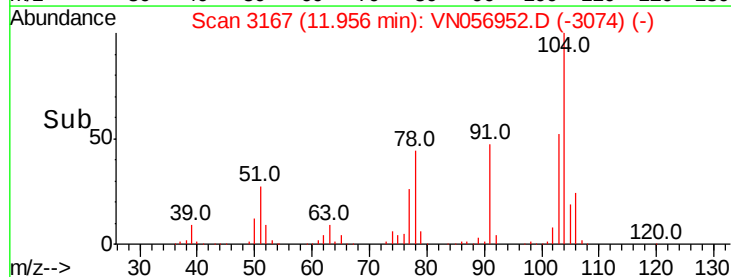
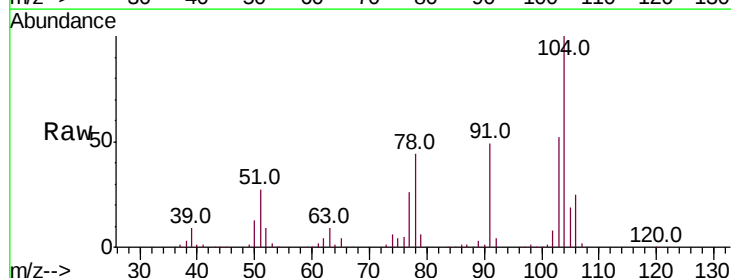
Manual Integrations
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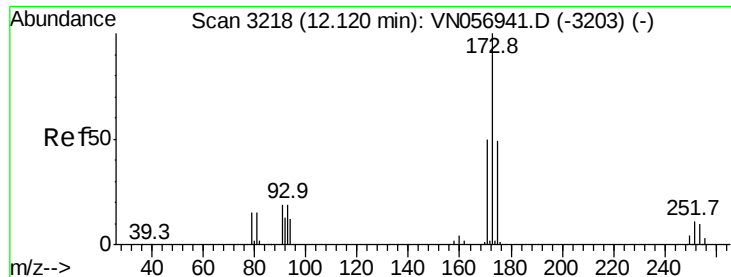
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#70
Styrene
Concen: 19.259 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion:104 Resp: 300575
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 55.9 44.3 66.5





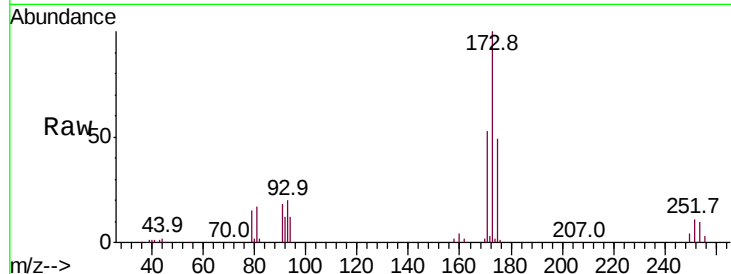
#71
Bromoform
Concen: 19.666 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	0.0	0.1	0.1#

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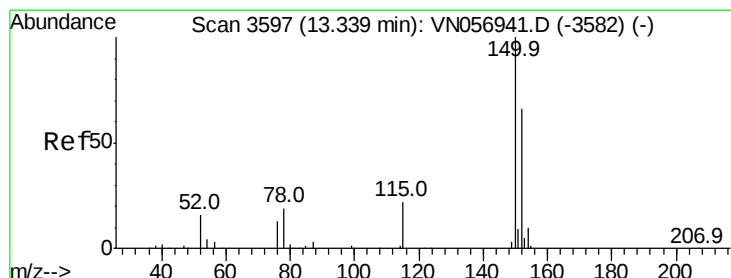
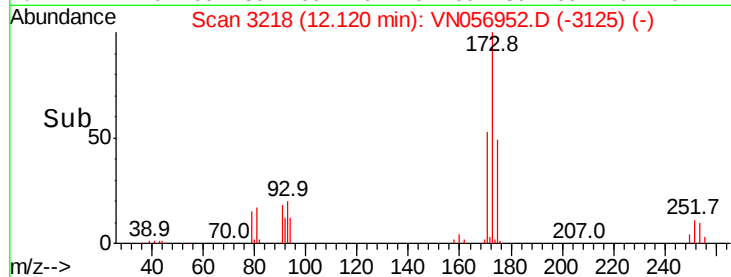
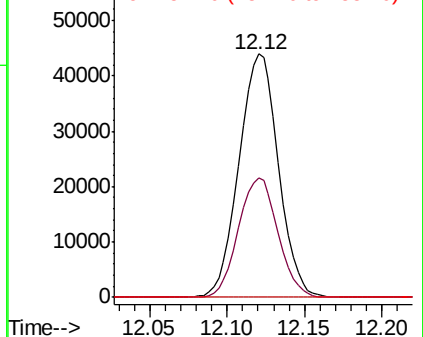


Abundance

Ion 172.70 (172.40 to 173.40): V

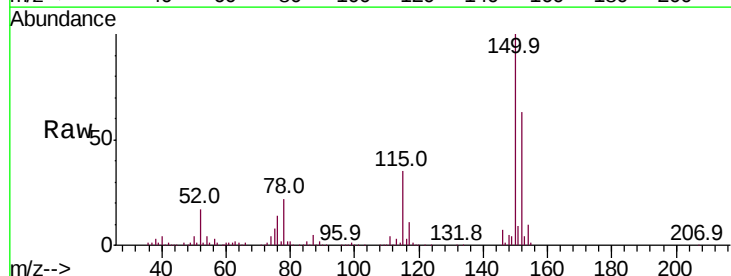
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.2	84.6
150	163.9	0.0	349.4

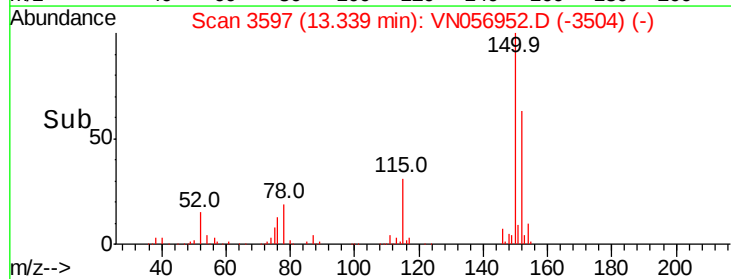
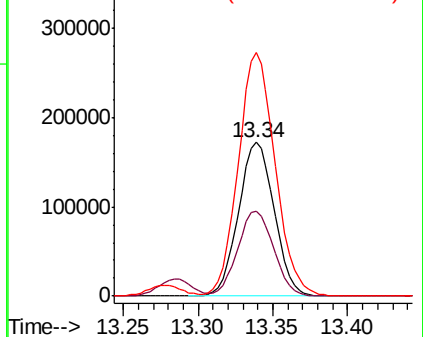


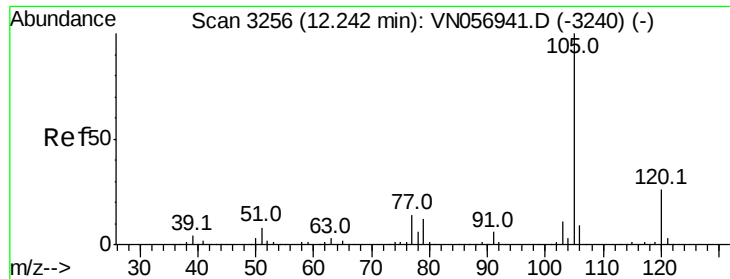
Abundance

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: 20.356 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:105 Resp: 502415

Ion Ratio Lower Upper

105 100

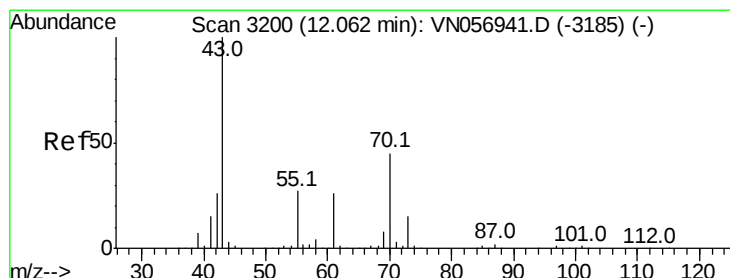
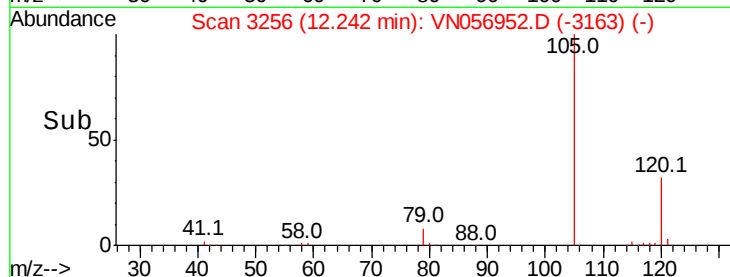
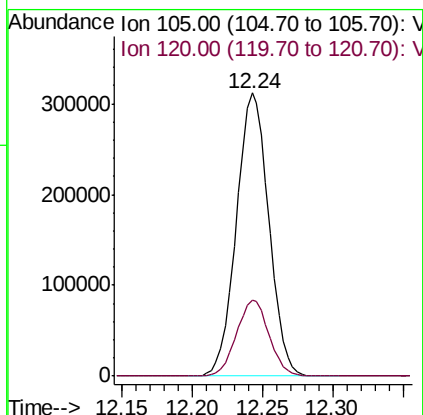
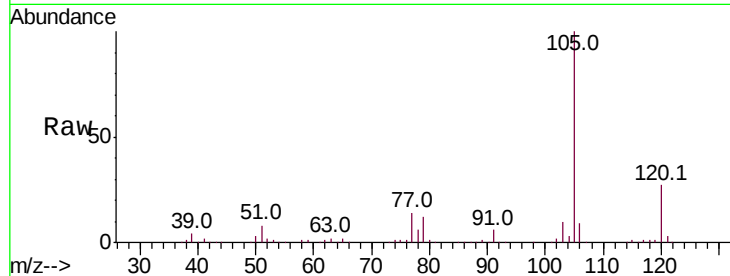
120 26.9 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.356 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion: 43 Resp: 138712

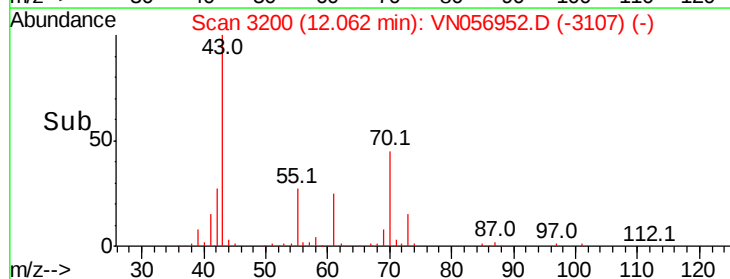
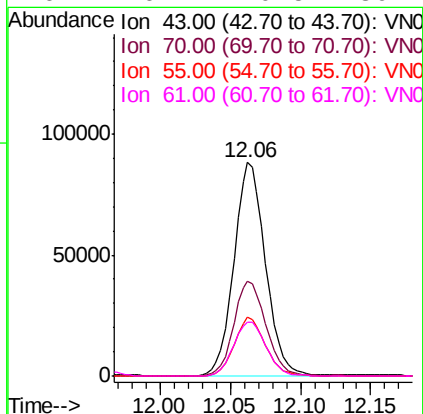
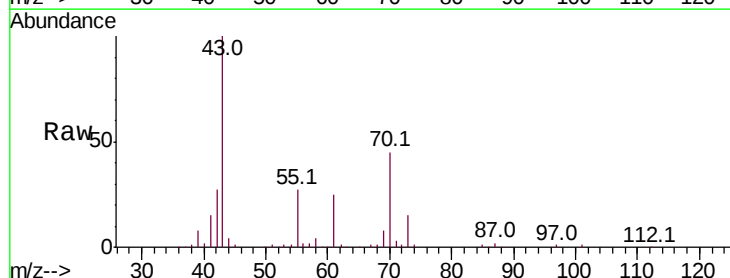
Ion Ratio Lower Upper

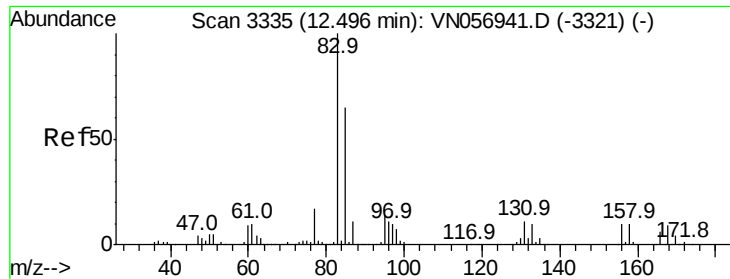
43 100

70 45.1 36.5 54.7

55 27.1 21.4 32.0

61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.545 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

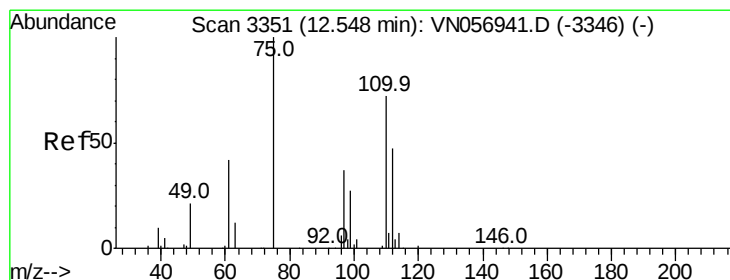
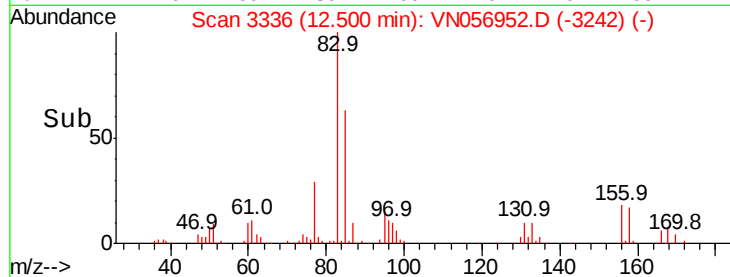
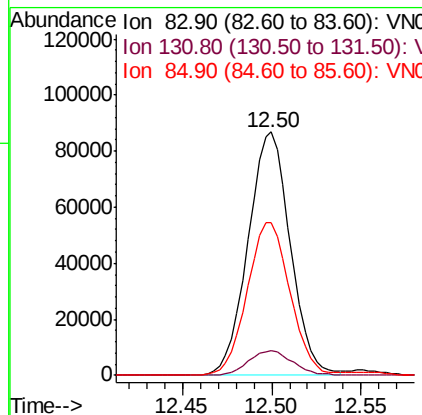
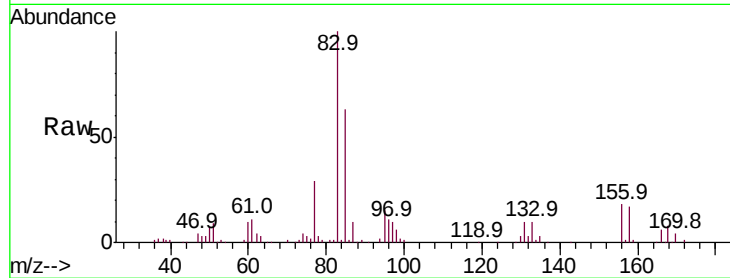
ClientSampleId :

VN0727WBS01

Tot Ion:	83	Resp:	143474
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	63.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.629 ug/l m

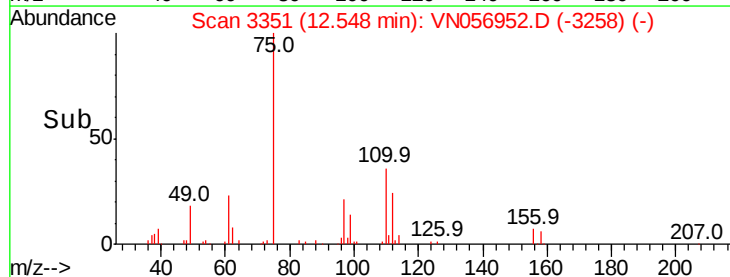
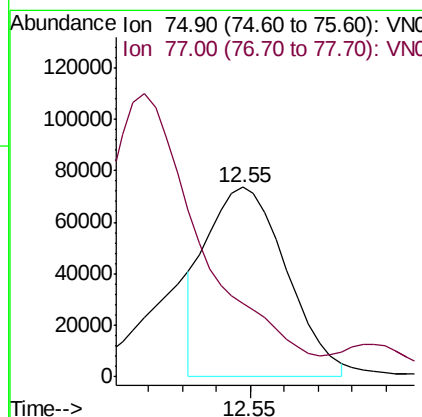
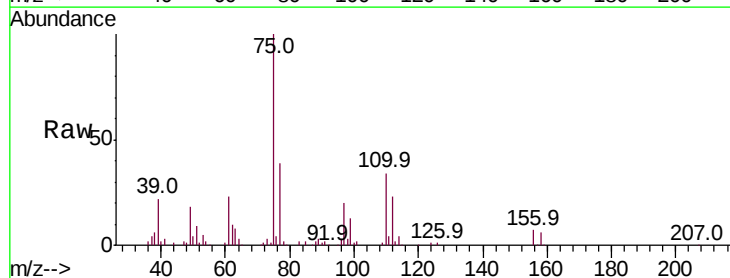
RT: 12.55 min Scan# 3351

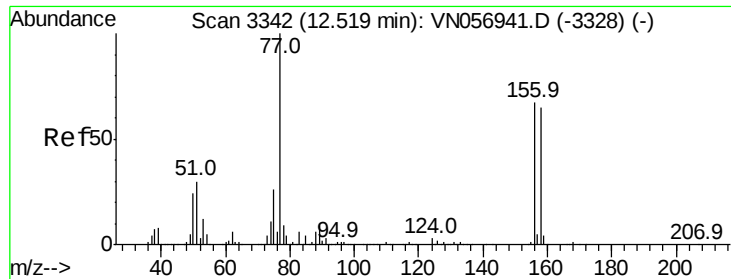
Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion:	75	Resp:	119642
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.930 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

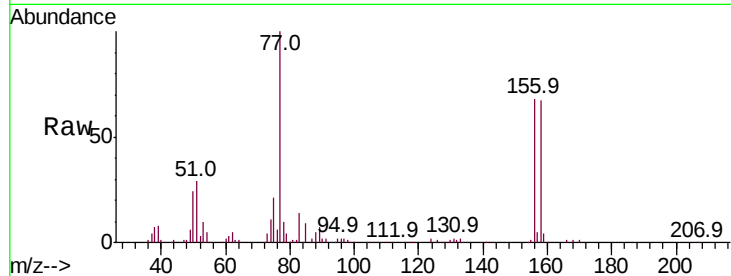
ClientSampleId :

VN0727WBS01

Tot Ion:	156	Resp:	128384
Ion Ratio	Lower	Upper	
156	100		
77	177.4	89.5	268.5
158	97.3	48.4	145.3

Manual Integrations
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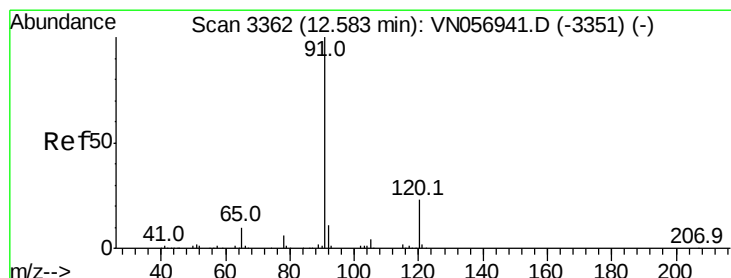
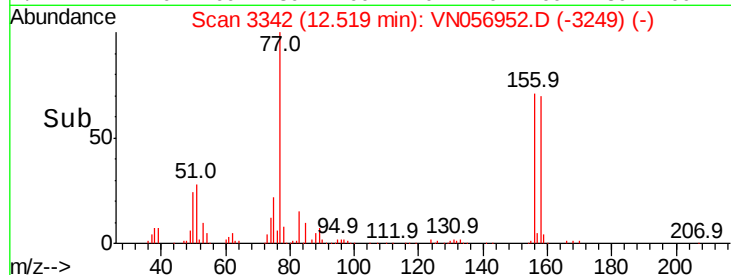
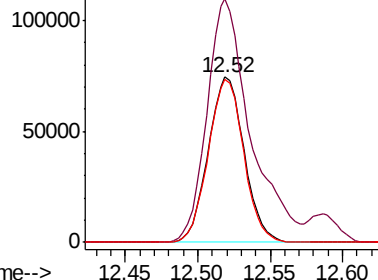


Abundance Ion 155.80 (155.50 to 156.50): V

150000

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.947 ug/l

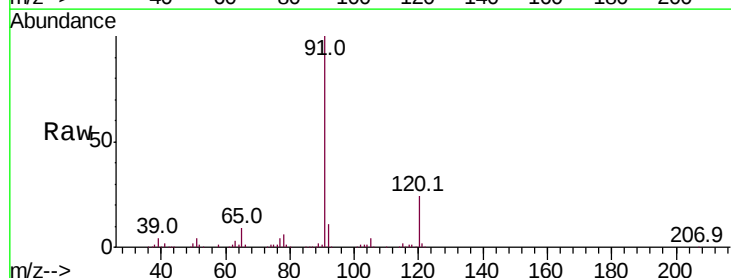
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN056952.D

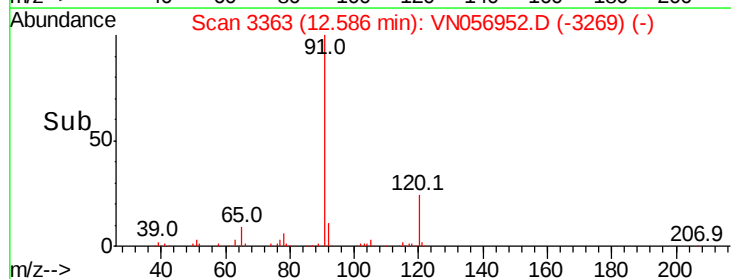
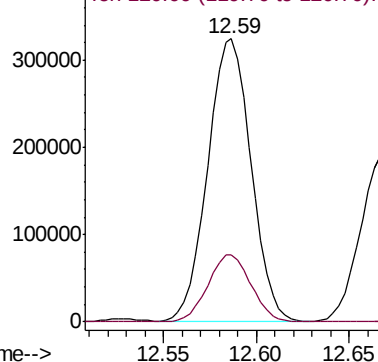
Acq: 26 Jul 2019 19:39

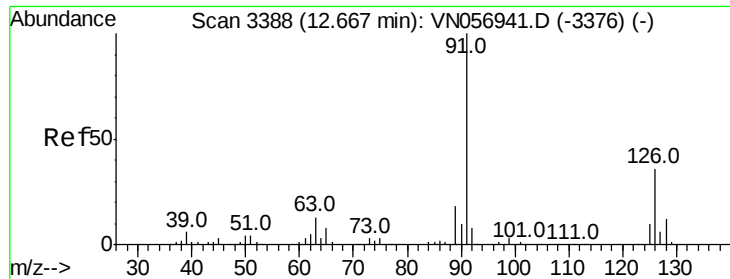
Tgt Ion:	91	Resp:	525676
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





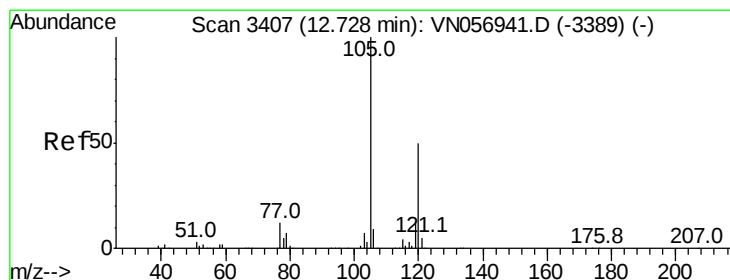
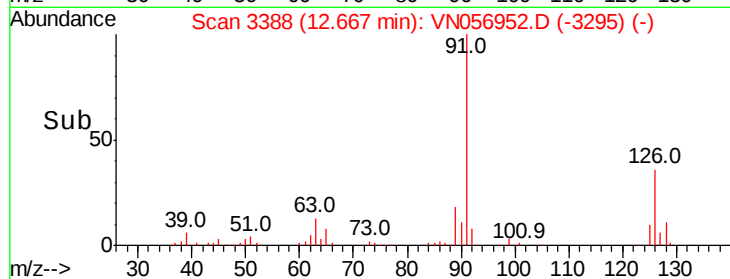
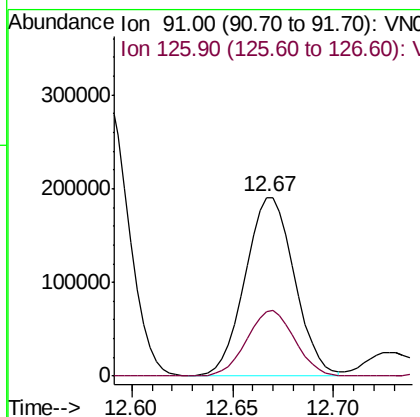
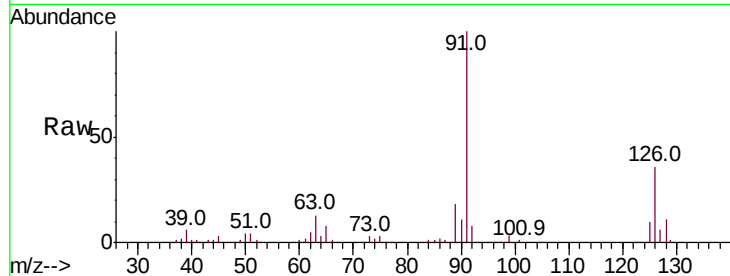
#79
2-Chlorotoluene
Concen: 19.992 ug/l
RT: 12.67 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VN0727WBS01

Tot Ion: 91 Resp: 324408
Ion Ratio Lower Upper
91 100
126 36.0 17.9 53.7

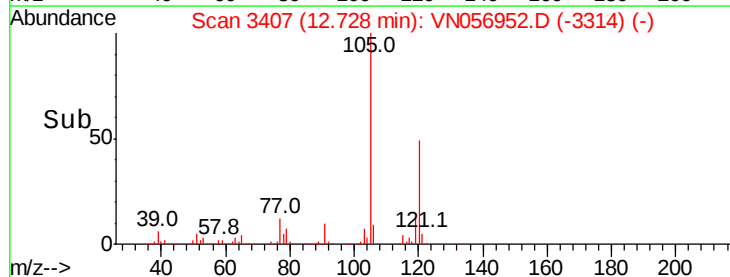
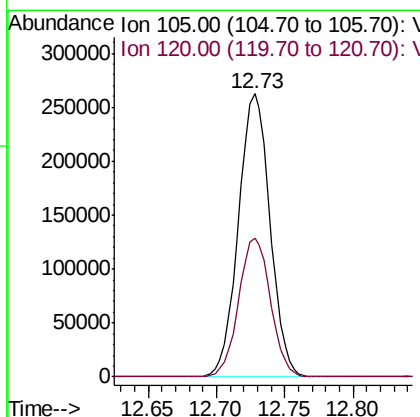
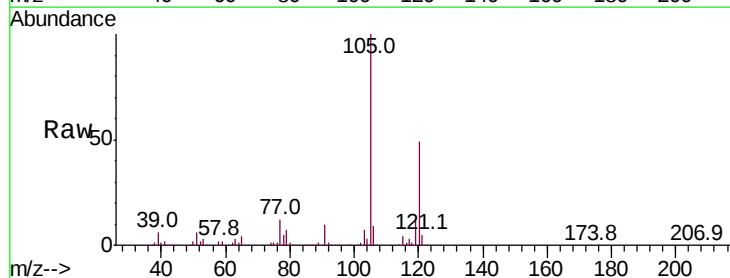
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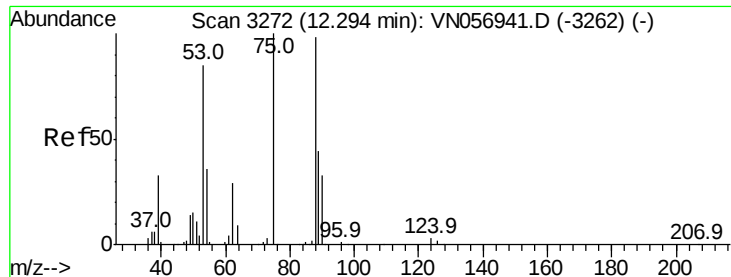
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#80
1,3,5-Trimethylbenzene
Concen: 20.829 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion: 105 Resp: 421924
Ion Ratio Lower Upper
105 100
120 49.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.043 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion: 75 Resp: 34375

Ion Ratio Lower Upper

75 100

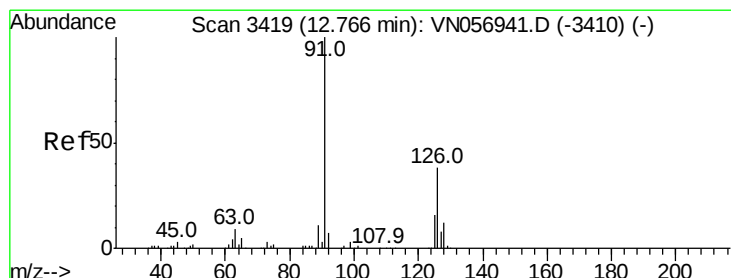
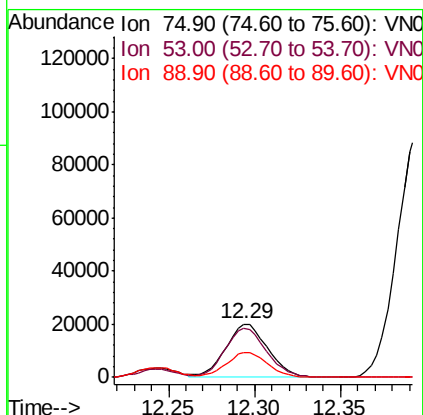
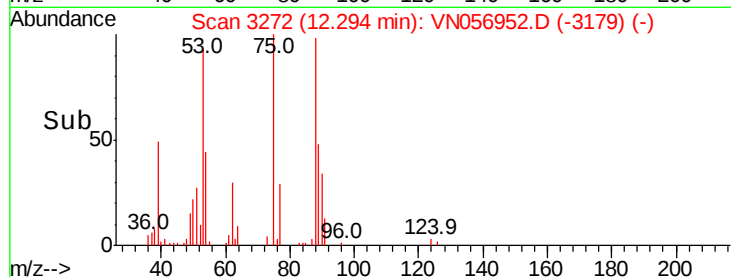
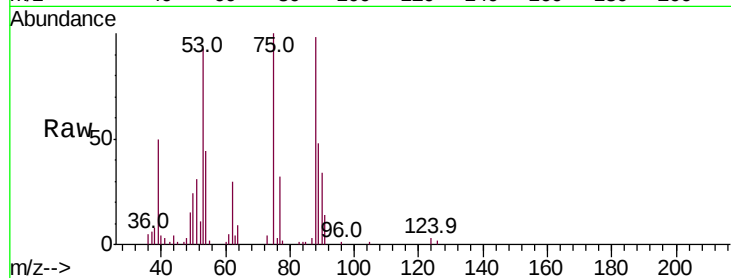
53 91.8 69.3 103.9

89 45.4 35.8 53.6

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#82

4-Chlorotoluene

Concen: 19.934 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN056952.D

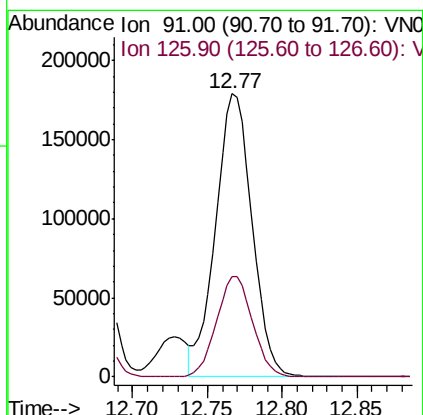
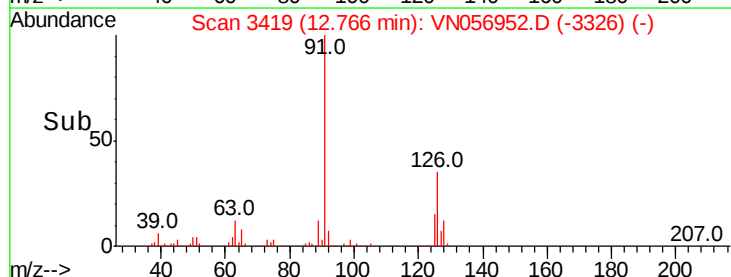
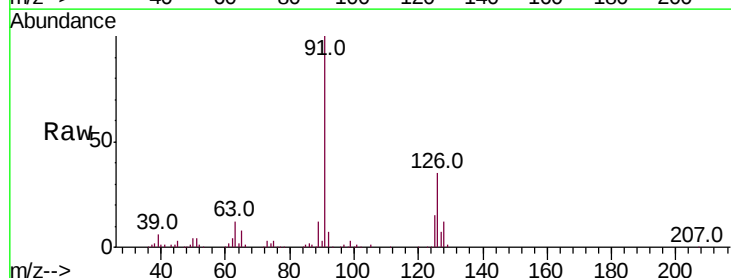
Acq: 26 Jul 2019 19:39

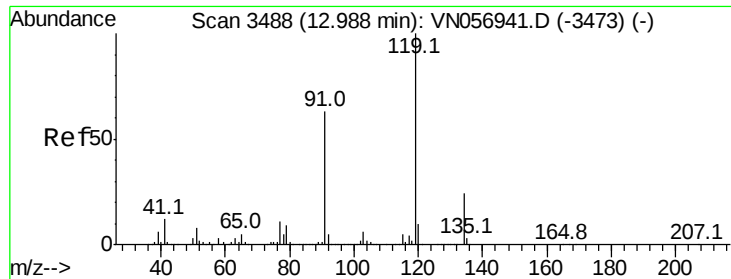
Tgt Ion: 91 Resp: 302720

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5





#83

tert-Butylbenzene

Concen: 20.284 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

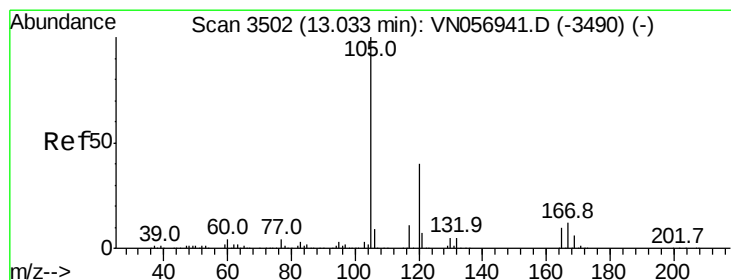
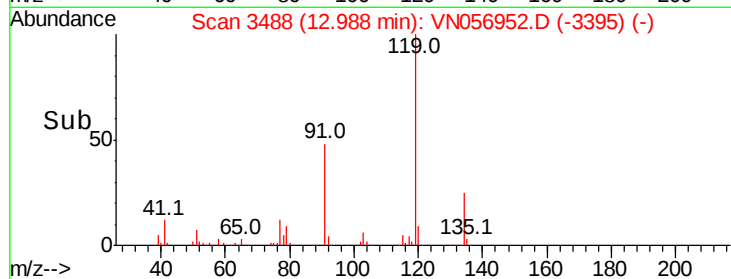
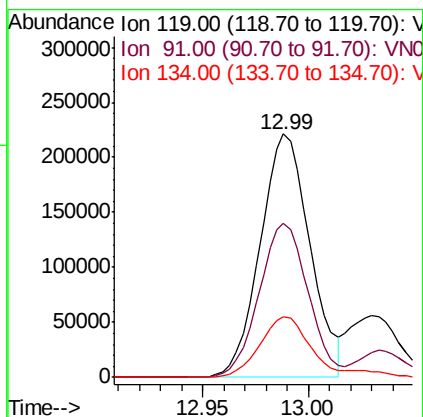
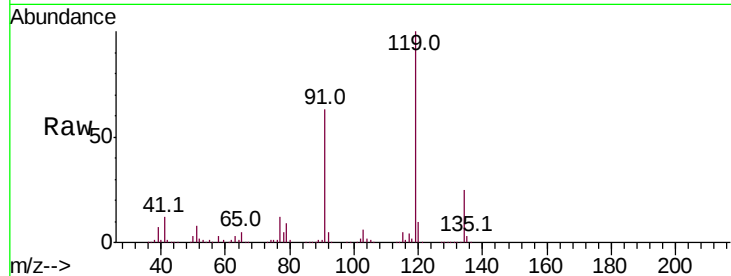
ClientSampleId :

VN0727WBS01

Tot Ion:	119	Resp:	363743
Ion Ratio	Lower	Upper	
119	100		
91	62.4	31.3	93.8
134	24.8	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.995 ug/l

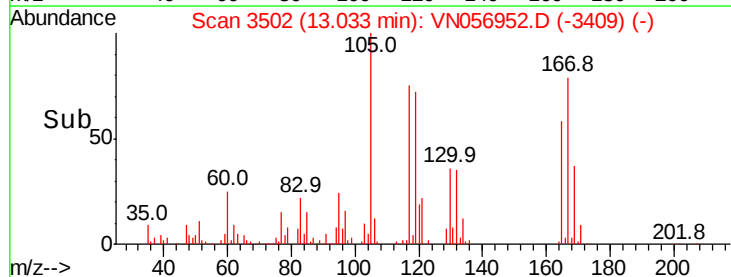
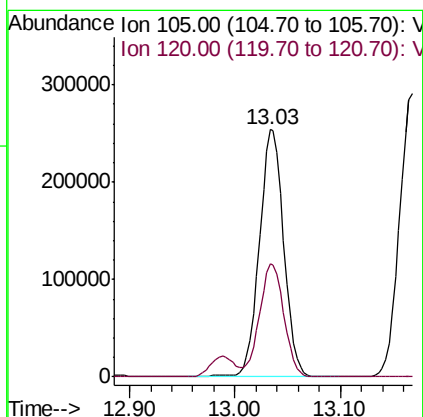
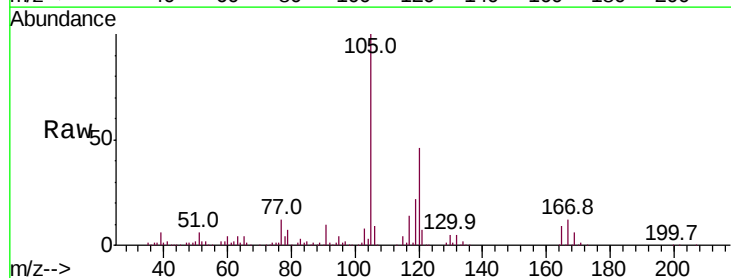
RT: 13.03 min Scan# 3502

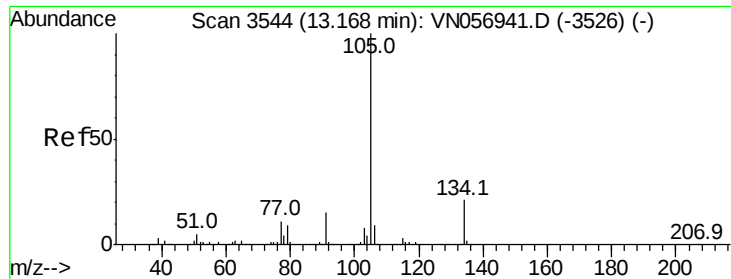
Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Tgt Ion:	105	Resp:	409215
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.869 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS01

Tot Ion:105 Resp: 459580

Ion Ratio Lower Upper

105 100

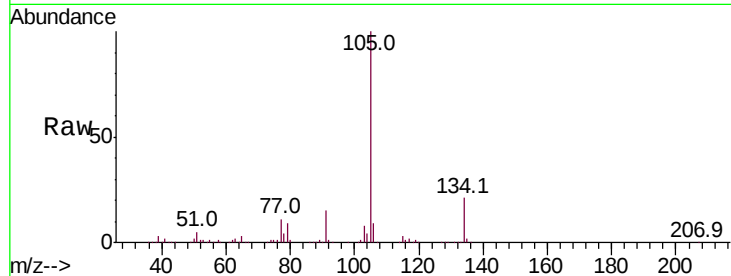
134 21.1 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

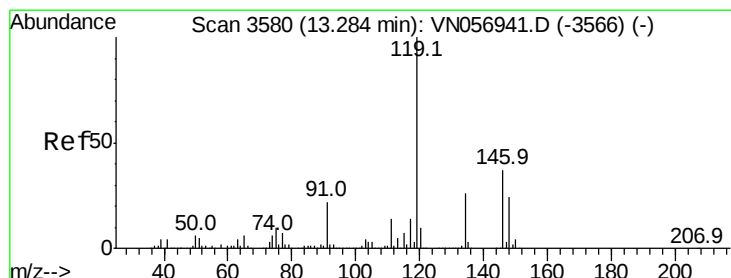
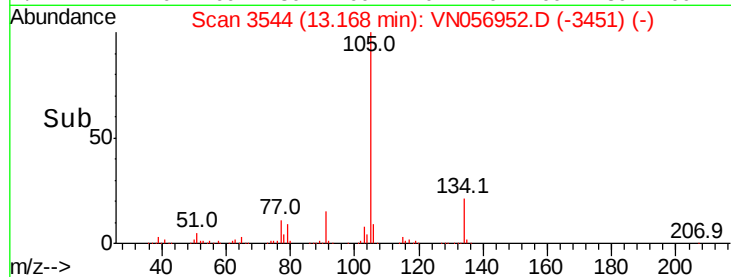
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.117 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056952.D

Acq: 26 Jul 2019 19:39

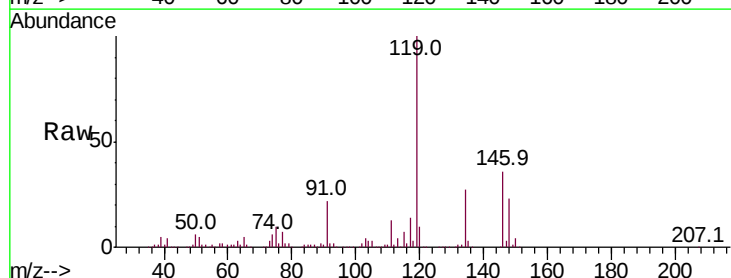
Tgt Ion:119 Resp: 413111

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.2 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

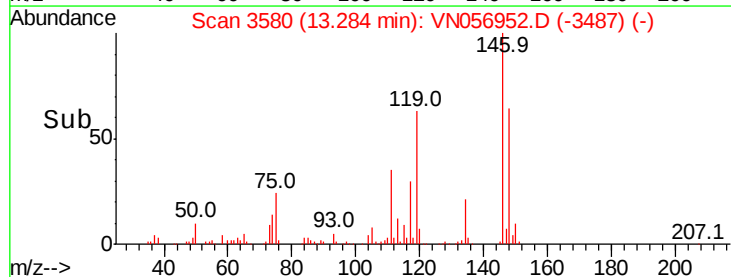
300000

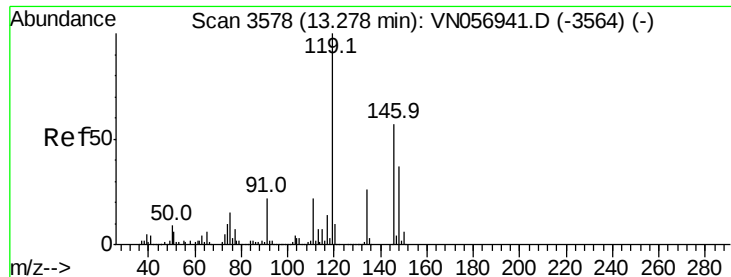
200000

100000

0

Time-->





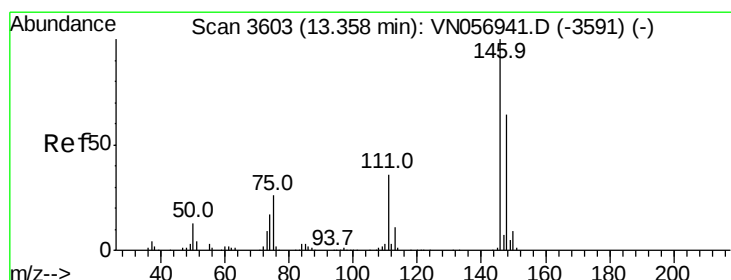
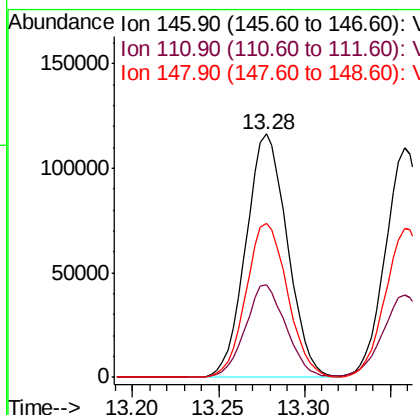
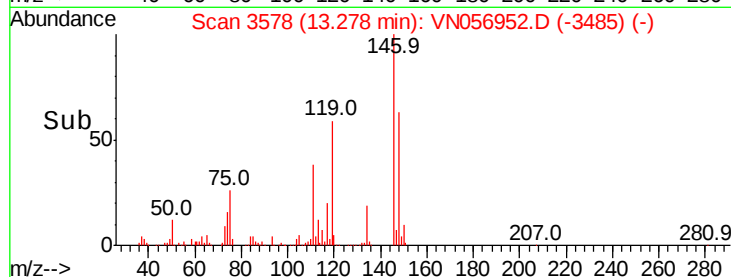
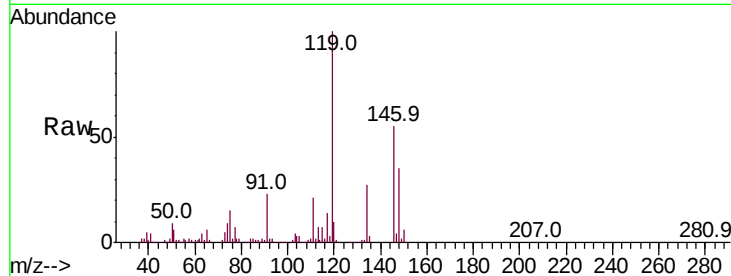
#87
 1,3-Dichlorobenzene
 Concen: 19.878 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.2	32.2	96.6

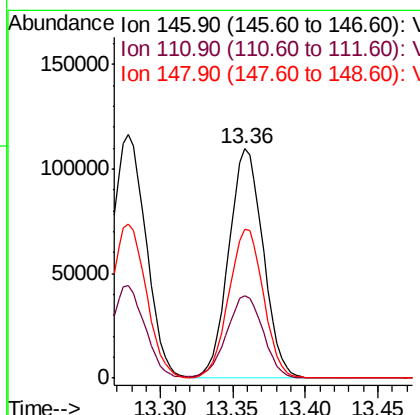
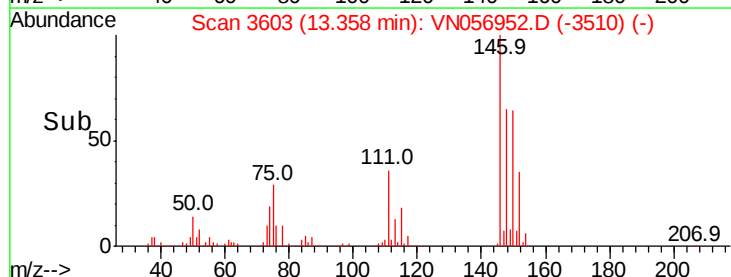
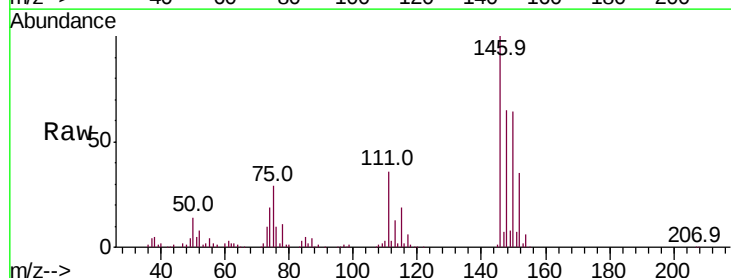
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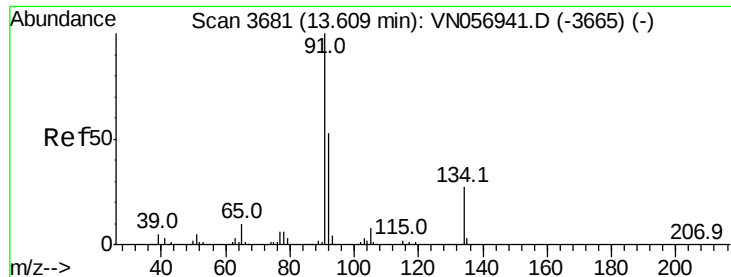
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#88
 1,4-Dichlorobenzene
 Concen: 19.181 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.4	55.2
148	65.6	32.3	96.9





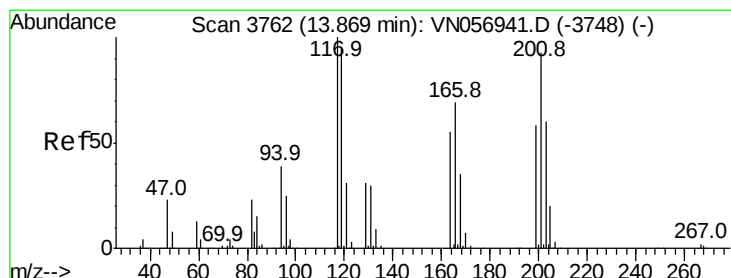
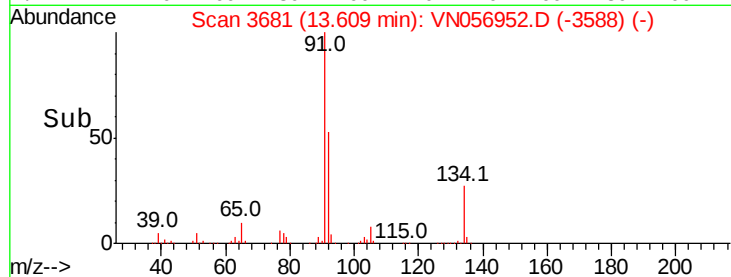
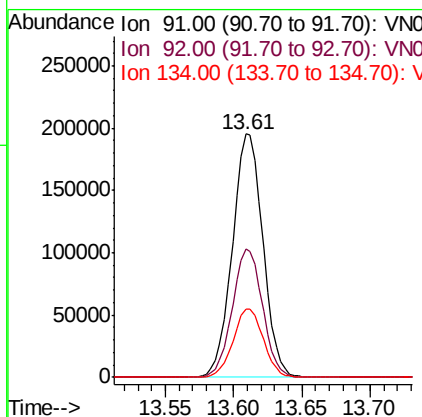
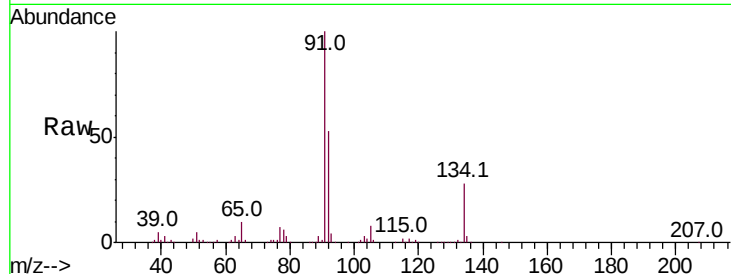
#89
n-Butylbenzene
Concen: 19.138 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	27.9	13.5	40.4

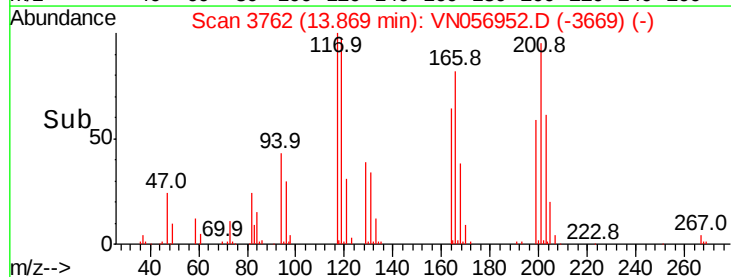
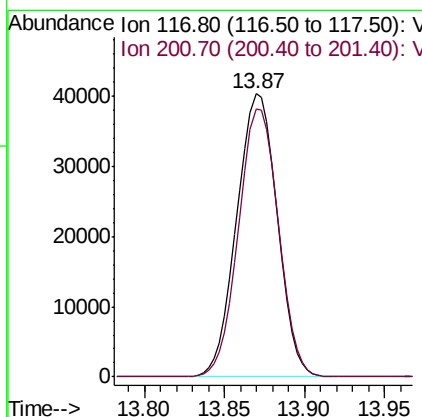
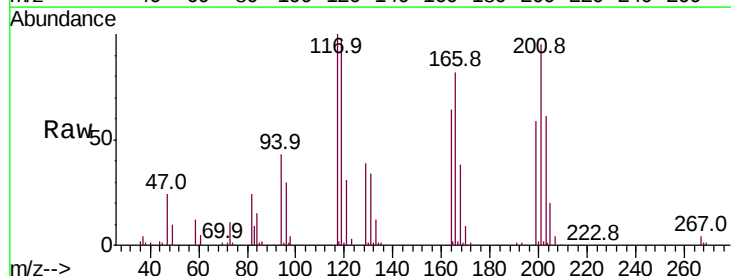
Manual Integrations
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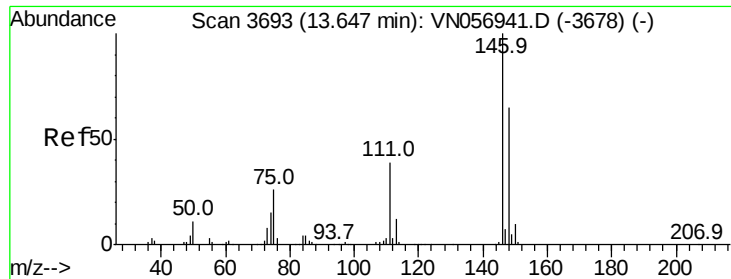
MMDadoda
7/31/2019 11:46:53 AM



#90
Hexachloroethane
Concen: 19.722 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	47.0	141.2





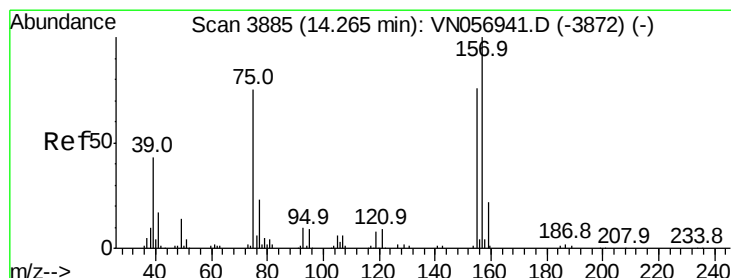
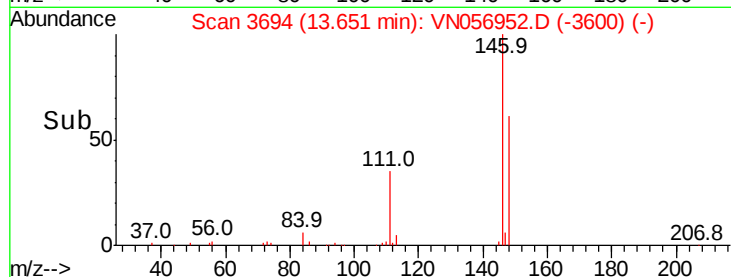
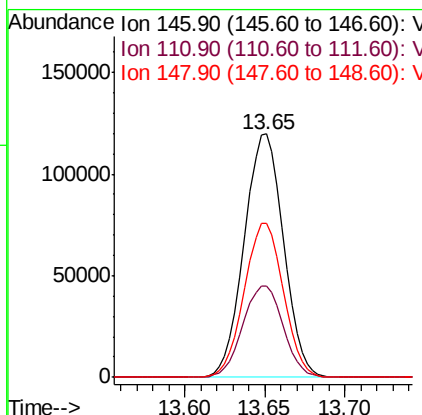
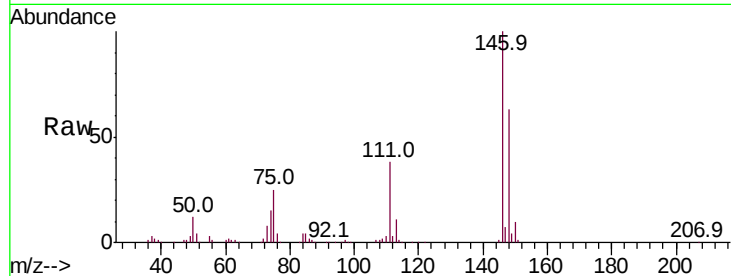
#91
 1,2-Dichlorobenzene
 Concen: 20.883 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.4
148	62.9	32.2	96.6

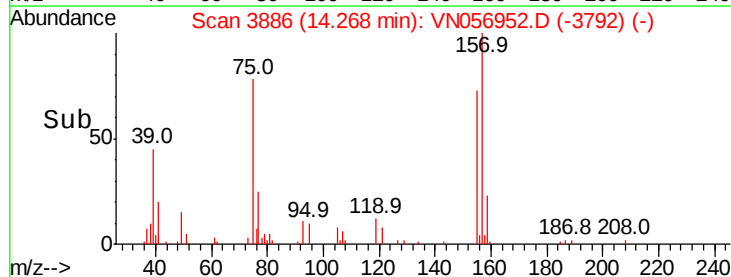
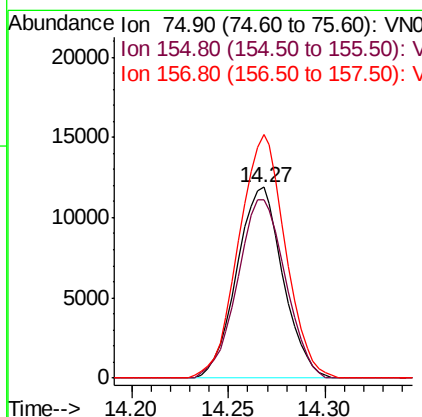
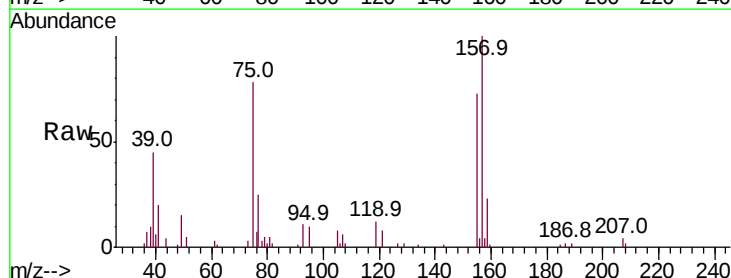
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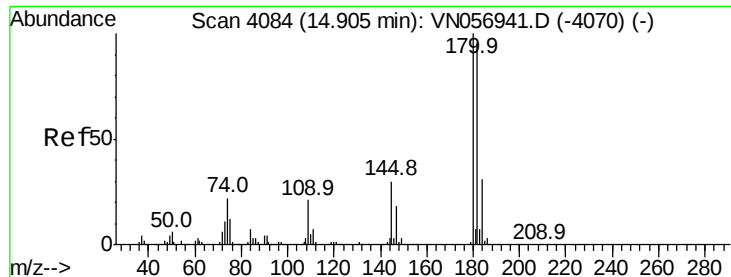
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.151 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	50.2	150.6
157	128.5	65.1	195.4





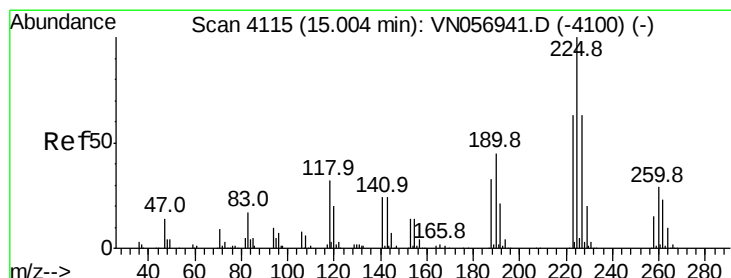
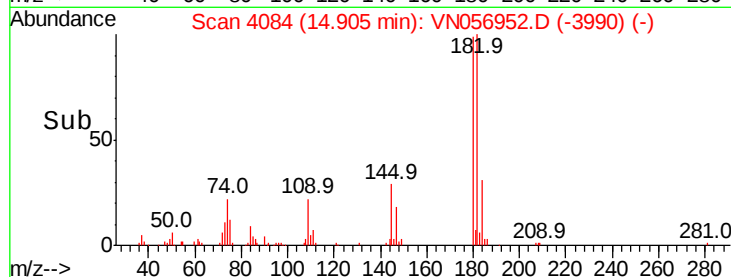
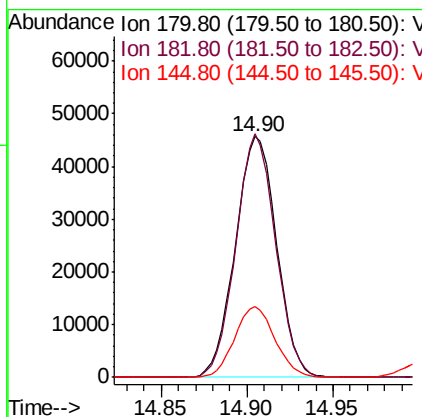
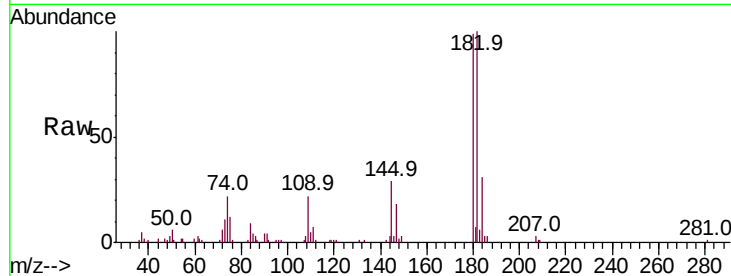
#93
 1,2,4-Trichlorobenzene
 Concen: 17.163 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	47.6	142.8	
145	28.7	14.2	42.8	

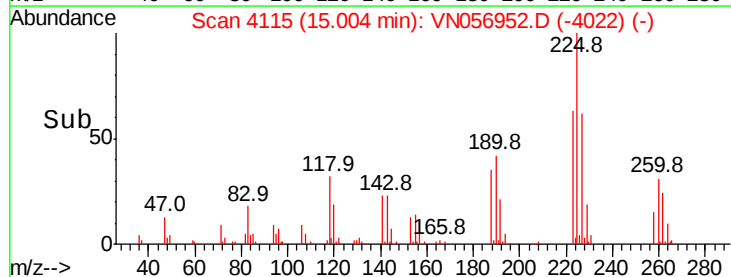
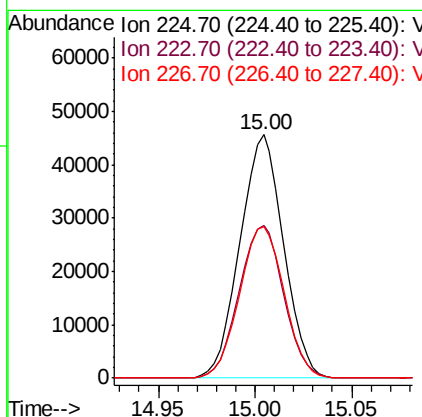
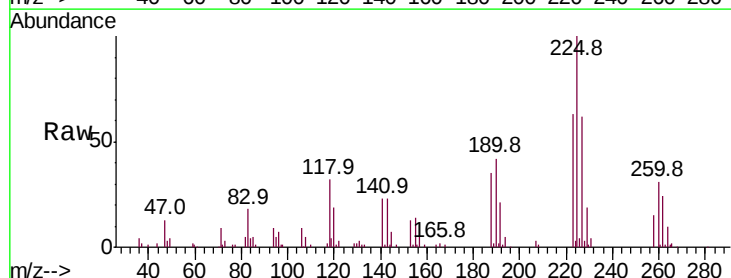
Manual Integrations
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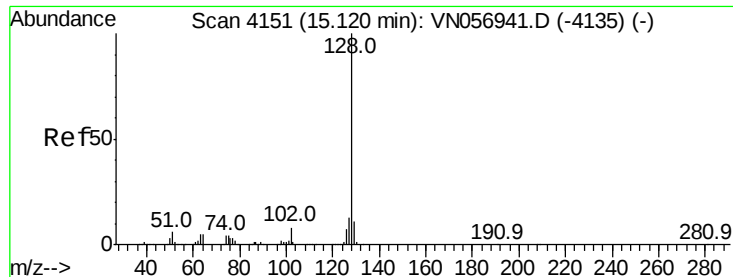
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 7/31/2019 11:46:53 AM



#94
 Hexachlorobutadiene
 Concen: 19.179 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056952.D
 Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	30.8	92.4	
227	63.6	31.1	93.5	





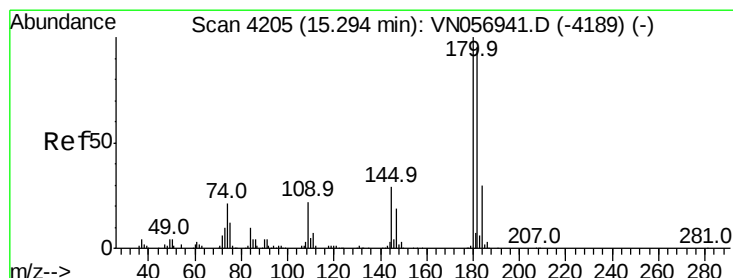
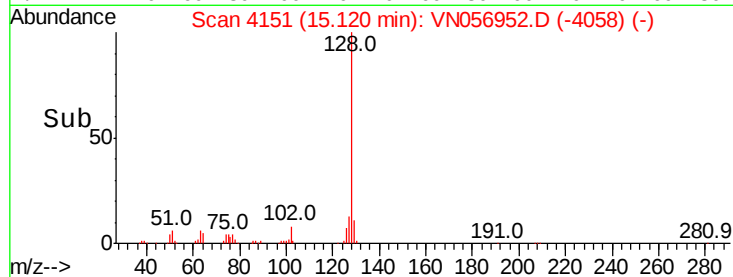
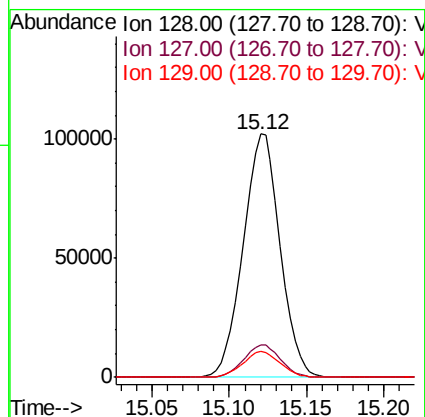
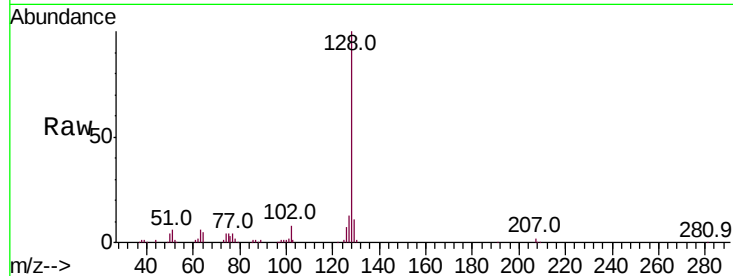
#95
Naphthalene
Concen: 16.554 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.0	15.0
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.817 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN056952.D
Acq: 26 Jul 2019 19:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	29.7	15.0	45.0

