

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061556.D
 Acq On : 29 May 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:39:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	369955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	621915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	591625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	300183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	224619	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.54	113	166205	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.06	98	762397	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.37	95	279102	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	213364	49.952	ug/l 97
3) Chloromethane	2.03	50	231724	51.354	ug/l 98
4) Vinyl Chloride	2.16	62	329511	53.289	ug/l 99
5) Bromomethane	2.53	94	193277	54.473	ug/l 99
6) Chloroethane	2.67	64	210342	52.849	ug/l 99
7) Trichlorofluoromethane	2.98	101	380090	47.668	ug/l 100
8) Diethyl Ether	3.37	74	118082	48.430	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	179917	50.847	ug/l 98
10) Methyl Iodide	3.91	142	240302	48.922	ug/l 100
11) Tert butyl alcohol	4.72	59	157242	268.200	ug/l 100
12) 1,1-Dichloroethene	3.69	96	181125	47.913	ug/l 98
13) Acrolein	3.56	56	47299	282.476	ug/l 99
14) Allyl chloride	4.27	41	248436	50.269	ug/l 99
15) Acrylonitrile	4.92	53	406525	248.420	ug/l 99
16) Acetone	3.77	43	320858	264.488	ug/l 100
17) Carbon Disulfide	4.00	76	405127	48.711	ug/l 98
18) Methyl Acetate	4.27	43	191086	47.889	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	641870	49.820	ug/l 97
20) Methylene Chloride	4.50	84	209154	52.285	ug/l 98
21) trans-1,2-Dichloroethene	4.98	96	212184	49.771	ug/l 97
22) Diisopropyl ether	5.90	45	565859	51.949	ug/l 98
23) Vinyl Acetate	5.84	43	2192098	252.495	ug/l 99
24) 1,1-Dichloroethane	5.79	63	352654	51.056	ug/l 100
25) 2-Butanone	6.78	43	512630	245.398	ug/l 99
26) 2,2-Dichloropropane	6.77	77	336999	53.306	ug/l 98
27) cis-1,2-Dichloroethene	6.77	96	248527	51.482	ug/l 98
28) Bromochloromethane	7.15	49	149702	57.954	ug/l 98
29) Tetrahydrofuran	7.16	42	335134	243.291	ug/l 99
30) Chloroform	7.33	83	397461	52.013	ug/l 98
31) Cyclohexane	7.61	56	317535	51.116	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	362808	52.105	ug/l 100
36) 1,1-Dichloropropene	7.75	75	290375	52.742	ug/l 99
37) Ethyl Acetate	6.88	43	221152	49.872	ug/l 99
38) Carbon Tetrachloride	7.73	117	293051	55.183	ug/l 100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	369095	54.391	ug/l	97
40) Benzene	8.00	78	875915	51.563	ug/l	99
41) Methacrylonitrile	7.12	41	103686	51.035	ug/l	89
42) 1,2-Dichloroethane	8.08	62	294780	51.833	ug/l	99
43) Isopropyl Acetate	8.12	43	396676	49.722	ug/l	100
44) Trichloroethene	8.80	130	268437	51.419	ug/l	98
45) 1,2-Dichloropropane	9.08	63	209393	51.911	ug/l	99
46) Dibromomethane	9.17	93	158114	51.110	ug/l	98
47) Bromodichloromethane	9.37	83	323360	52.758	ug/l	100
48) Methyl methacrylate	9.17	41	174037	48.487	ug/l	99
49) 1,4-Dioxane	9.16	88	65208	1172.684	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1128772	251.075	ug/l	100
52) Toluene	10.12	92	589353	53.156	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	346997	52.554	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	373866	52.662	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	228405	51.708	ug/l	96
56) Ethyl methacrylate	10.40	69	325019	52.673	ug/l	99
57) 1,3-Dichloropropane	10.68	76	364681	51.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	734498	278.543	ug/l	100
59) 2-Hexanone	10.72	43	806121	249.671	ug/l	100
60) Dibromochloromethane	10.87	129	267570	53.282	ug/l	99
61) 1,2-Dibromoethane	10.98	107	243806	52.921	ug/l	99
64) Tetrachloroethene	10.60	164	287948	51.705	ug/l	99
65) Chlorobenzene	11.40	112	646199	52.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	238999	52.194	ug/l	99
67) Ethyl Benzene	11.48	91	1136350	53.462	ug/l	100
68) m/p-Xylenes	11.59	106	906272	107.534	ug/l	99
69) o-Xylene	11.92	106	427904	53.456	ug/l	99
70) Styrene	11.94	104	726981	54.841	ug/l	99
71) Bromoform	12.10	173	182511	51.726	ug/l #	100
73) Isopropylbenzene	12.22	105	1138689	51.973	ug/l	99
74) N-amyl acetate	12.04	43	346962	50.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	294813	48.017	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	392906	71.981	ug/l #	100
77) Bromobenzene	12.50	156	286142	51.165	ug/l	100
78) n-propylbenzene	12.56	91	1295085	52.949	ug/l	99
79) 2-Chlorotoluene	12.65	91	751797	51.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	965507	52.725	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	105495	49.424	ug/l	96
82) 4-Chlorotoluene	12.75	91	790345	51.511	ug/l	100
83) tert-Butylbenzene	12.97	119	836161	51.680	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	973374	53.505	ug/l	98
85) sec-Butylbenzene	13.15	105	1107668	53.128	ug/l	99
86) p-Isopropyltoluene	13.26	119	1037356	54.029	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	524913	53.004	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	522842	51.824	ug/l	100
89) n-Butylbenzene	13.59	91	876475	54.501	ug/l	100
90) Hexachloroethane	13.85	117	124270	58.525	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	496777	52.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	57774	46.140	ug/l	98

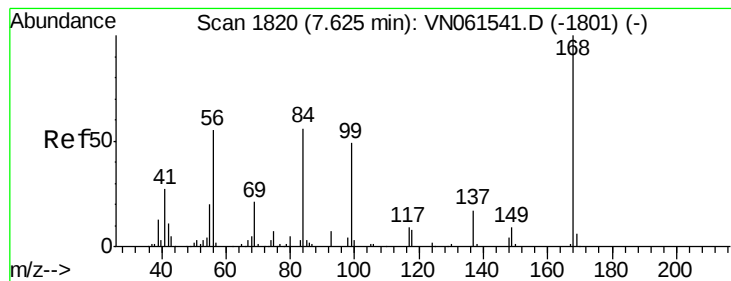
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	291057	52.585	ug/l	99
94) Hexachlorobutadiene	14.98	225	123718	52.409	ug/l	99
95) Naphthalene	15.10	128	857202	50.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	276715	50.848	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

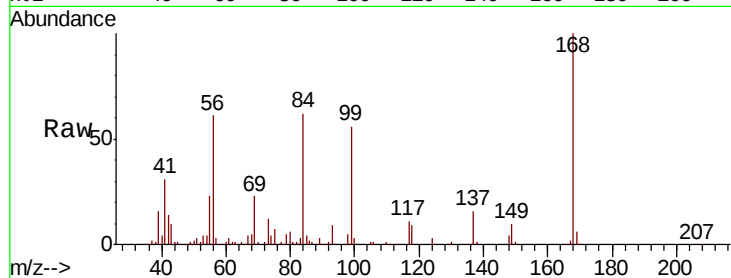
ClientSampleId :

Tot Ion:168 Resp: 369955

Ion Ratio Lower Upper

168 100

99 55.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

150000

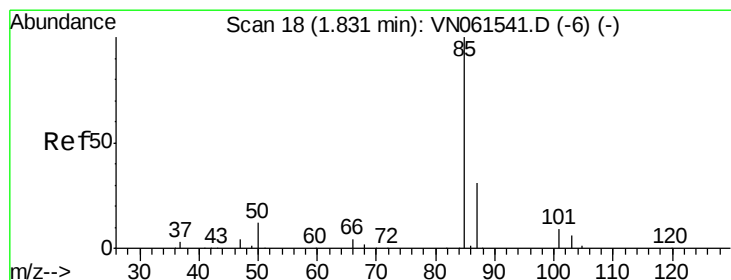
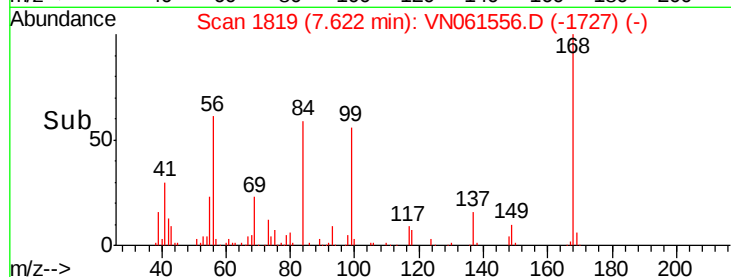
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.952 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061556.D

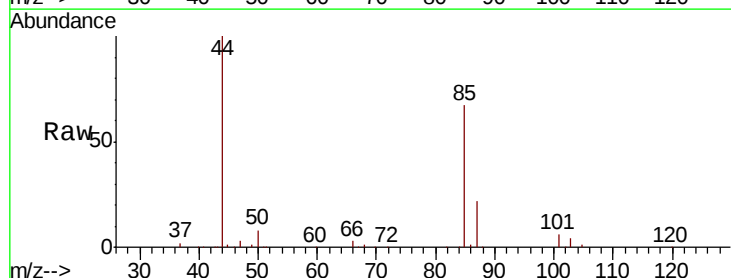
Acq: 29 May 2020 10:26

Tgt Ion: 85 Resp: 213364

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

150000

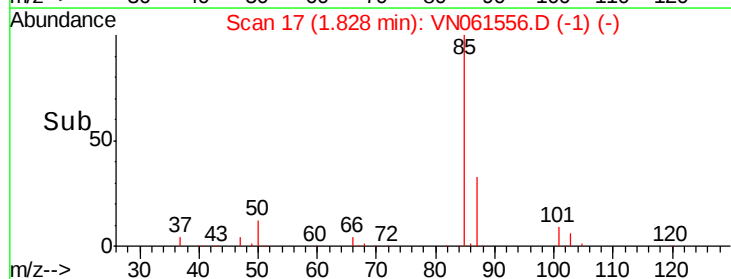
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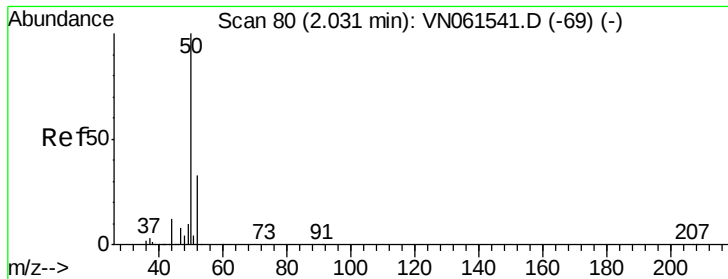
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 51.354 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

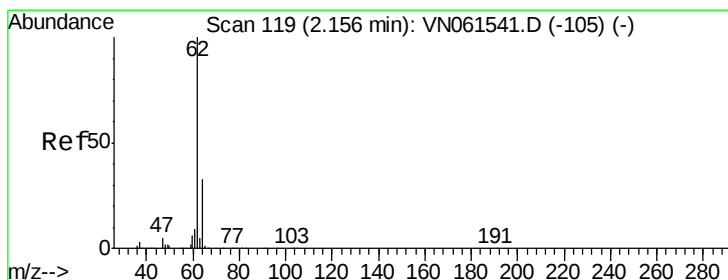
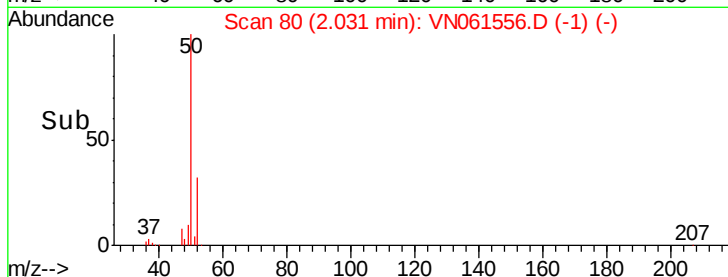
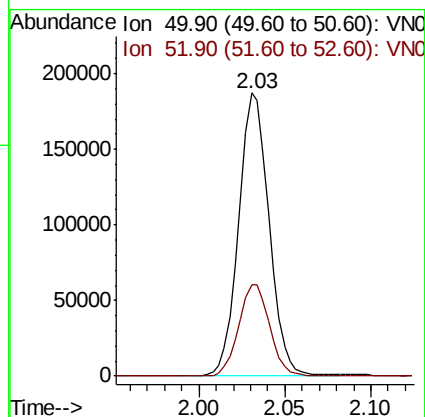
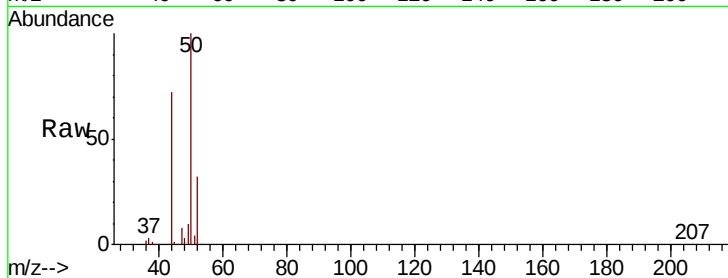
ClientSampleId :

Tot Ion: 50 Resp: 231724

Ion Ratio Lower Upper

50 100

52 32.4 26.7 40.1



#4

Vinyl Chloride

Concen: 53.289 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061556.D

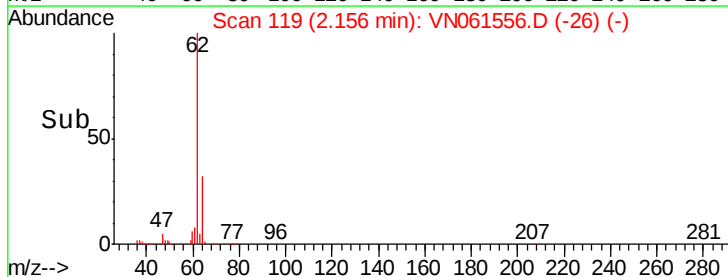
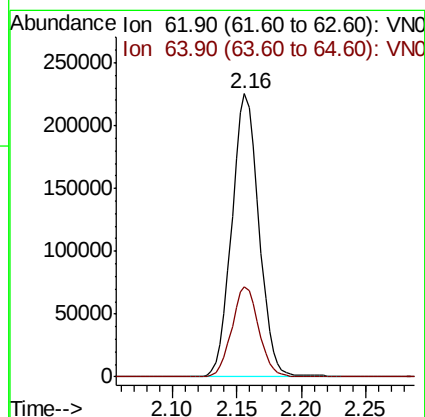
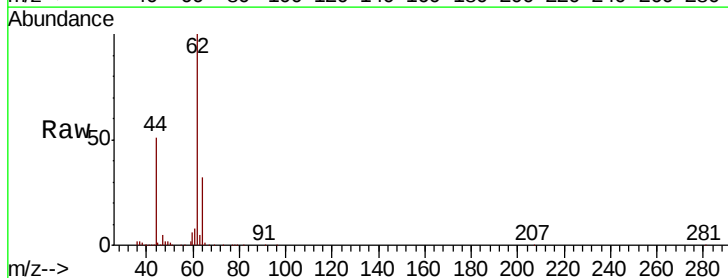
Acq: 29 May 2020 10:26

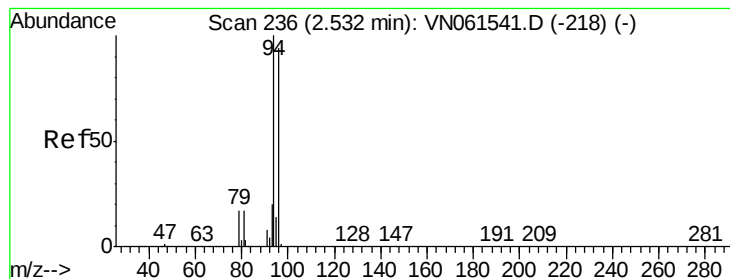
Tgt Ion: 62 Resp: 329511

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 54.473 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

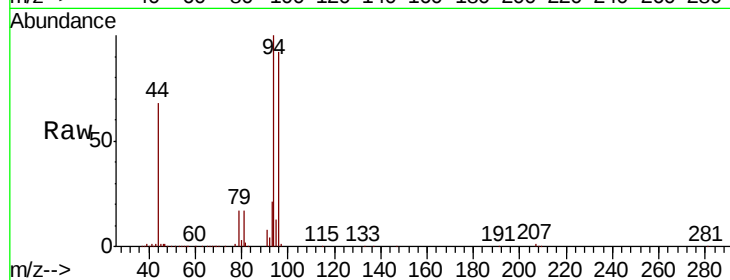
ClientSampled :

Tot Ion: 94 Resp: 193277

Ion Ratio Lower Upper

94 100

96 92.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN061556.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VN061556.D (-143) (-)

2.53

100000

80000

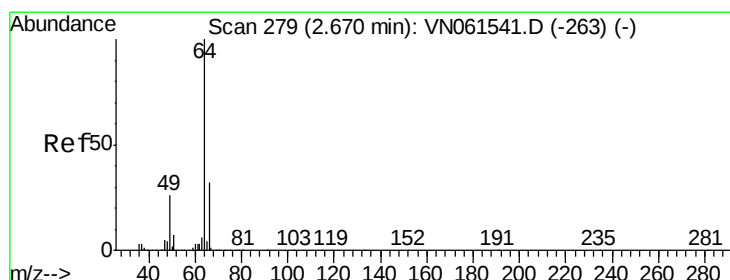
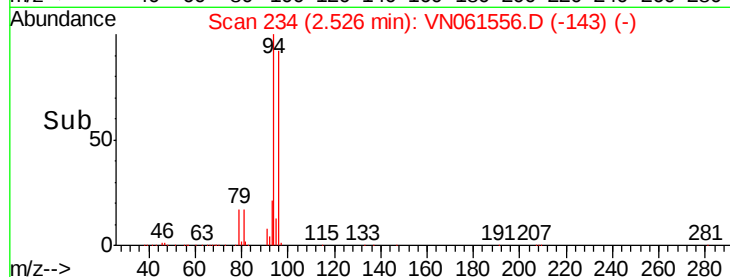
60000

40000

20000

0

Time--> 2.40 2.50 2.60



#6

Chloroethane

Concen: 52.849 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061556.D

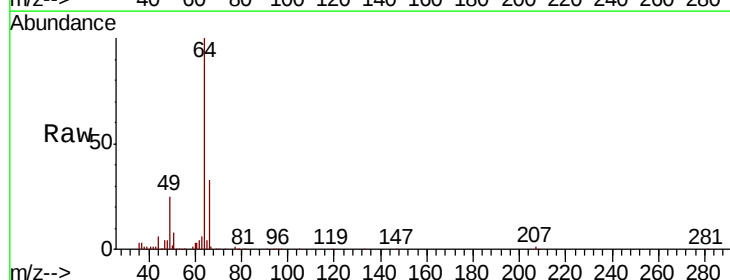
Acq: 29 May 2020 10:26

Tgt Ion: 64 Resp: 210342

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN061556.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VN061556.D (-186) (-)

2.67

120000

100000

80000

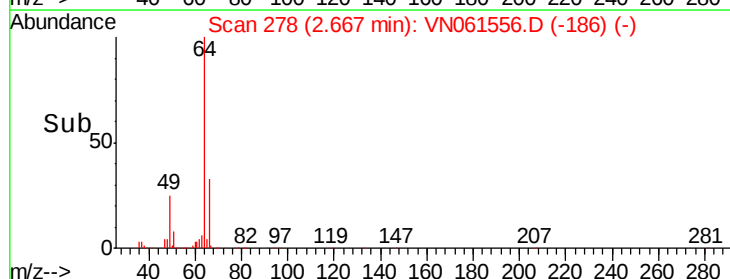
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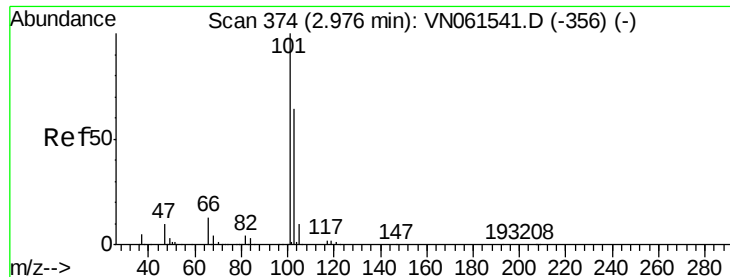
40000

20000

0

Time--> 2.60 2.70 2.80



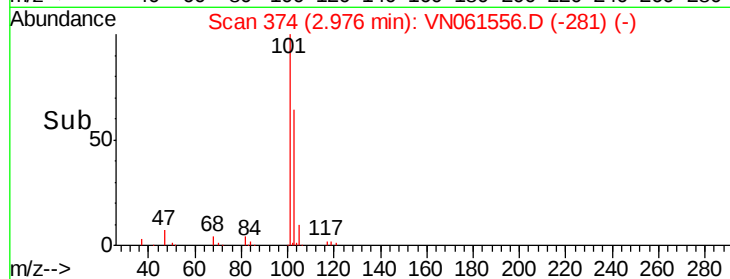
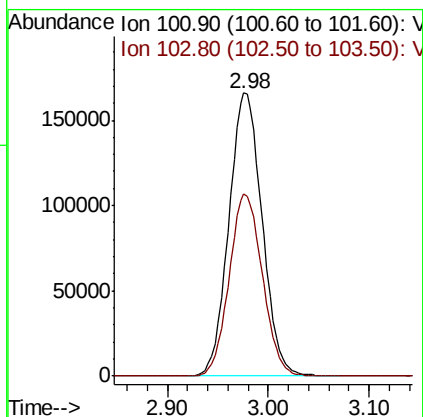
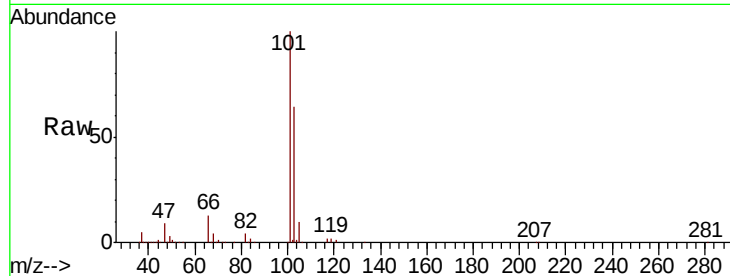


#7

Trichlorofluoromethane
 Concen: 47.668 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

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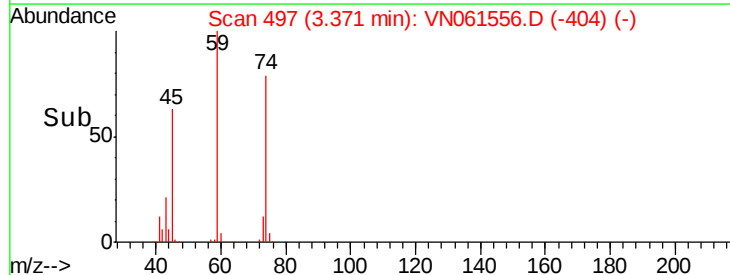
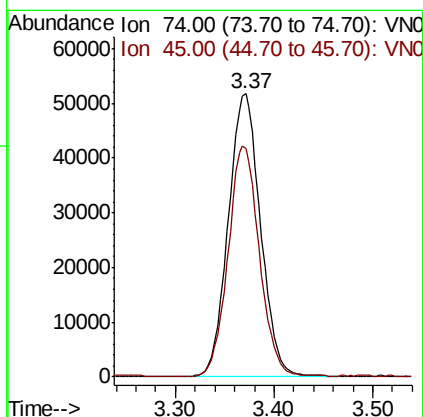
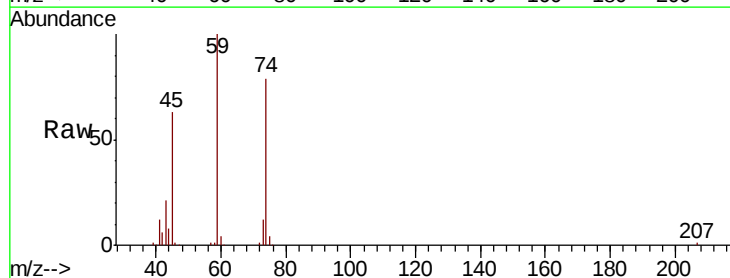
Tot Ion:101 Resp: 380090
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.2

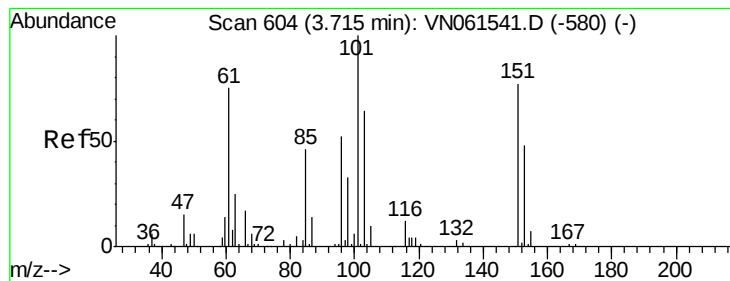


#8

Diethyl Ether
 Concen: 48.430 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 74 Resp: 118082
 Ion Ratio Lower Upper
 74 100
 45 79.6 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.847 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

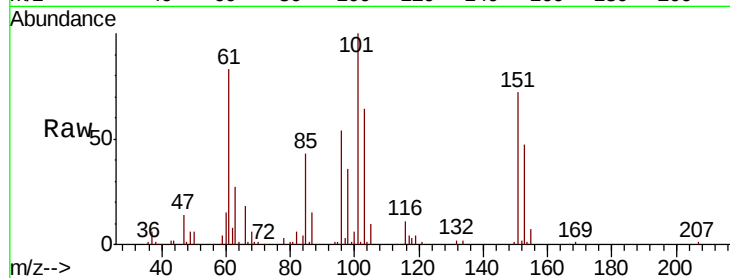
Tot Ion:101 Resp: 179917

Ion Ratio Lower Upper

101 100

85 44.6 35.2 52.8

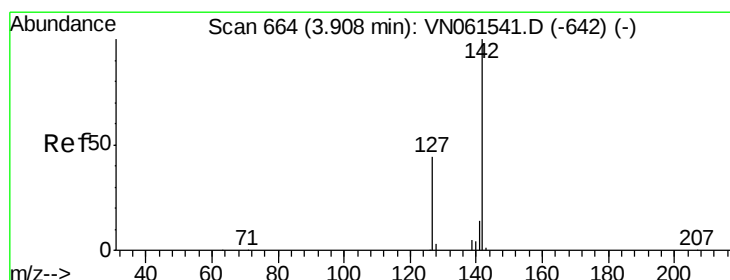
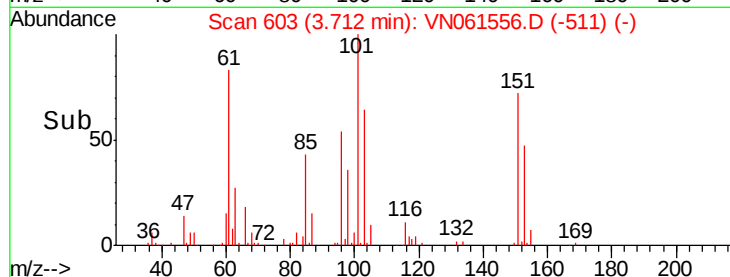
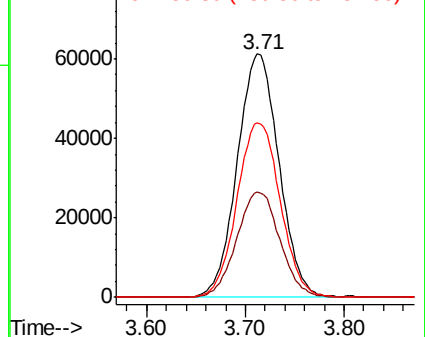
151 74.4 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.922 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

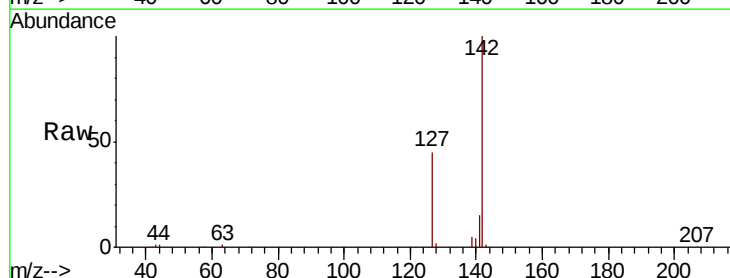
Tgt Ion:142 Resp: 240302

Ion Ratio Lower Upper

142 100

127 44.7 35.5 53.3

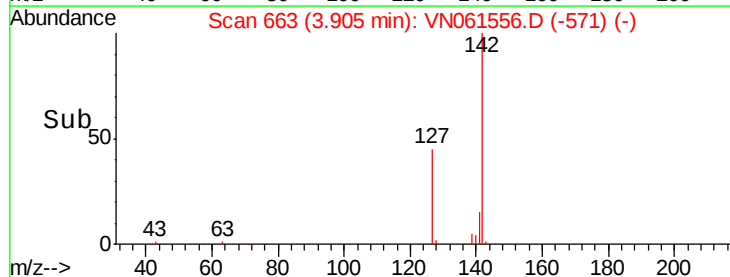
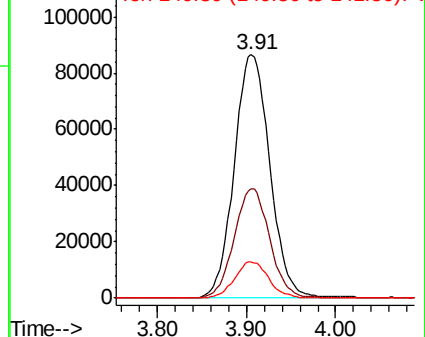
141 14.4 11.5 17.3

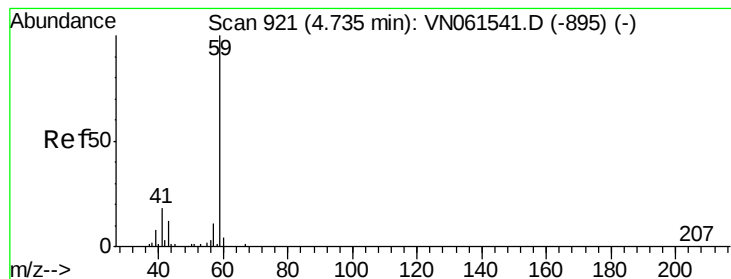


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



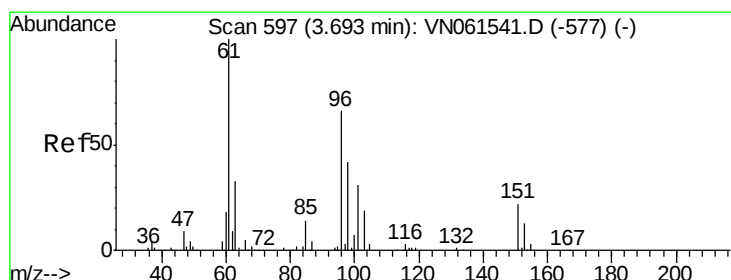
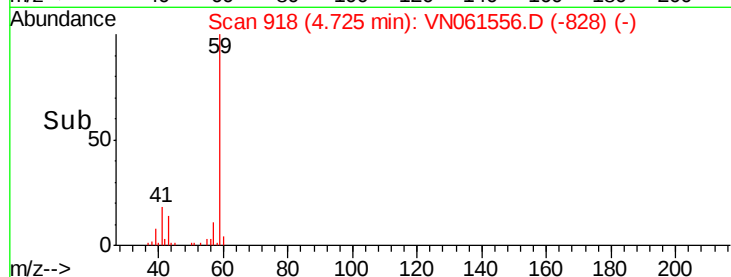
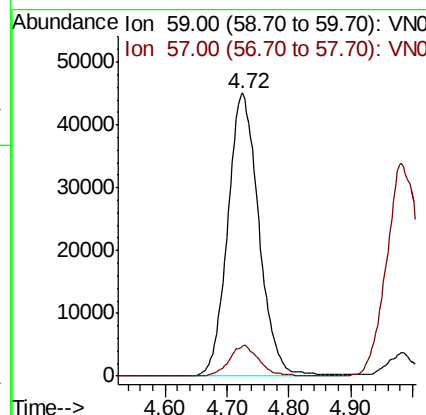
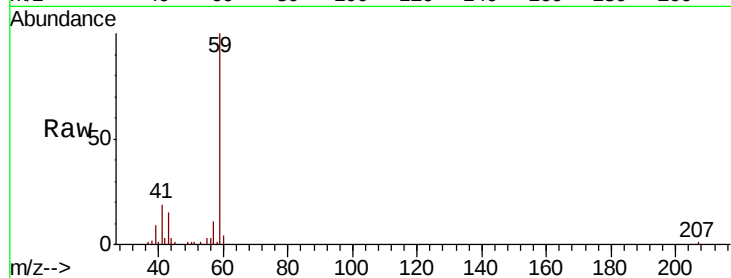


#11

Tert butyl alcohol
 Concen: 268.200 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :

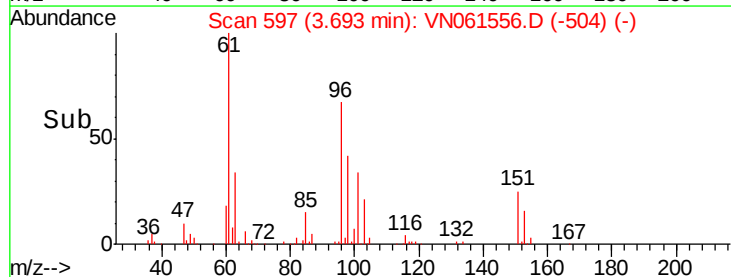
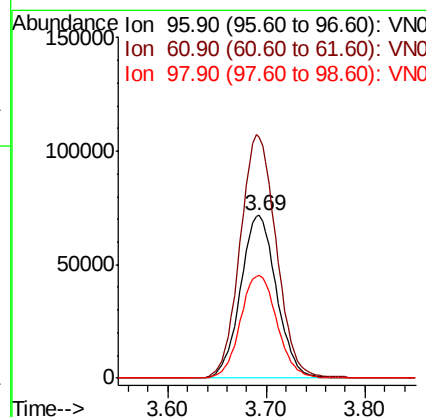
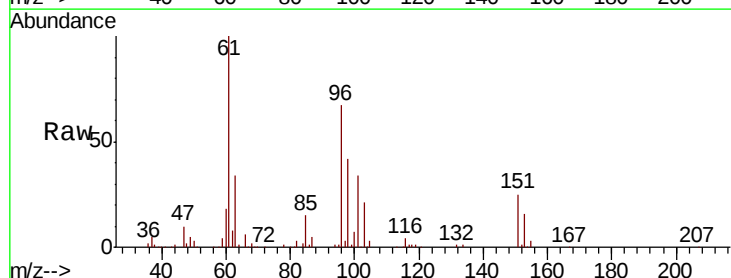
Tot Ion: 59 Resp: 157242
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6



#12

1,1-Dichloroethene
 Concen: 47.913 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 96 Resp: 181125
 Ion Ratio Lower Upper
 96 100
 61 148.3 120.5 180.7
 98 62.8 50.8 76.2





#13

Acrolein

Concen: 282.476 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

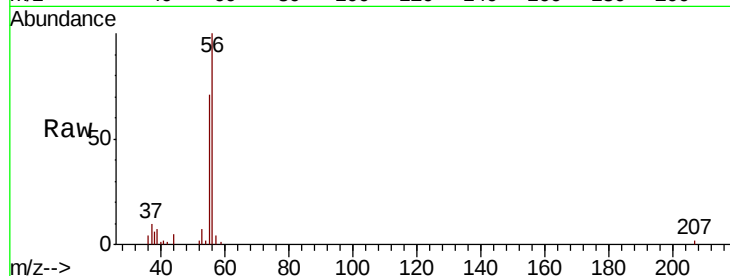
ClientSampleId :

Tot Ion: 56 Resp: 47299

Ion Ratio Lower Upper

56 100

55 71.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061541.D (-540) (-)

3.56

20000

15000

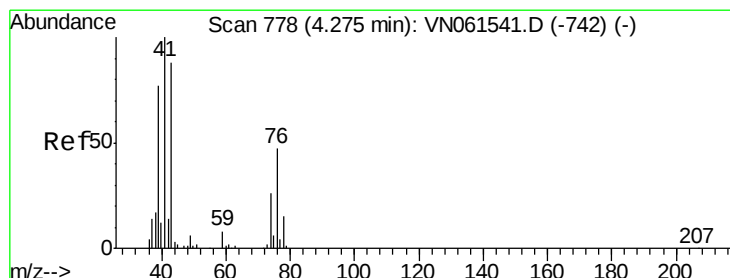
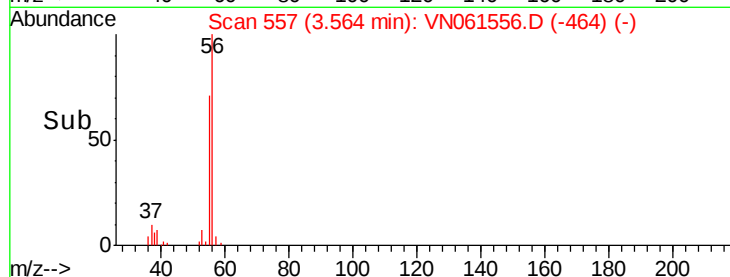
10000

5000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 50.269 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

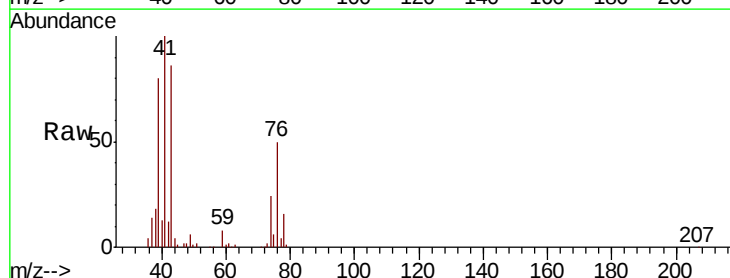
Tgt Ion: 41 Resp: 248436

Ion Ratio Lower Upper

41 100

39 74.5 58.6 88.0

76 43.5 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-742) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-742) (-)

Ion 75.90 (75.60 to 76.60): VN061541.D (-742) (-)

4.27

100000

80000

60000

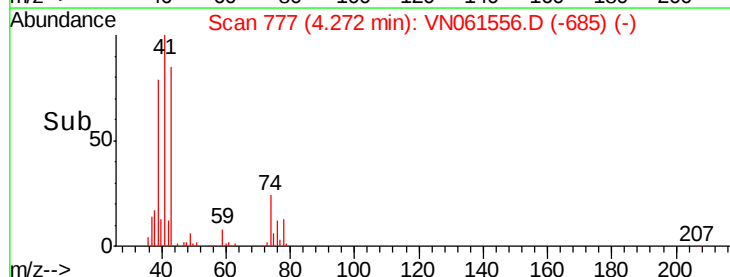
40000

20000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 248.420 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

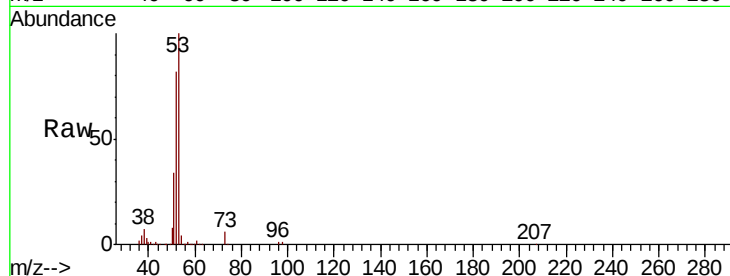
Tot Ion: 53 Resp: 406525

Ion Ratio Lower Upper

53 100

52 82.5 65.4 98.2

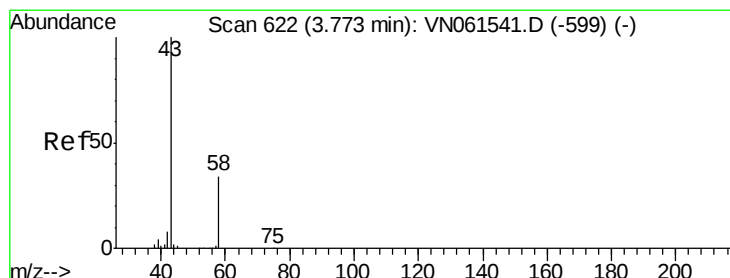
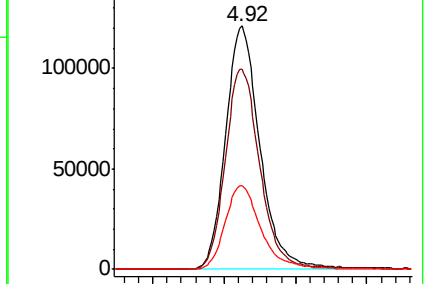
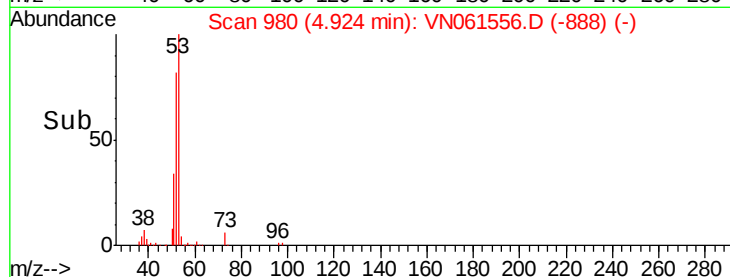
51 36.0 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061541.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061541.D (-958) (-)



#16

Acetone

Concen: 264.488 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061556.D

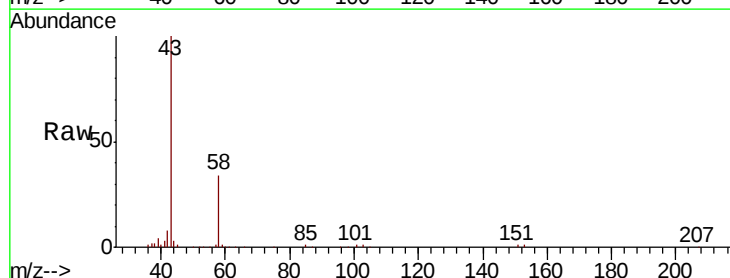
Acq: 29 May 2020 10:26

Tgt Ion: 43 Resp: 320858

Ion Ratio Lower Upper

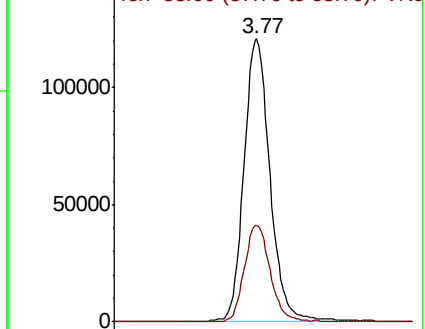
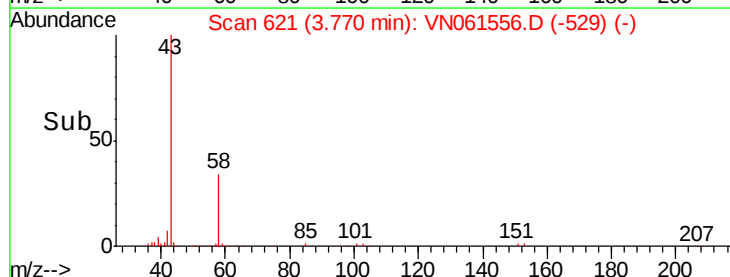
43 100

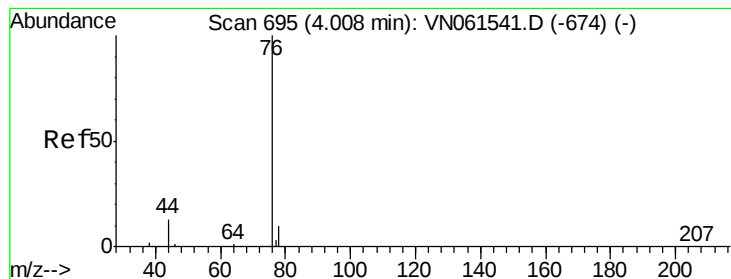
58 34.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-599) (-)





#17

Carbon Disulfide

Concen: 48.711 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

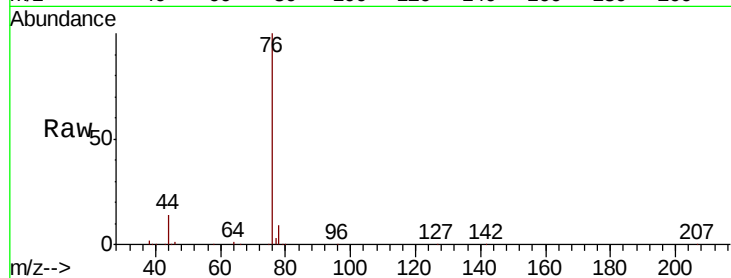
ClientSampleId :

Tot Ion: 76 Resp: 405127

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)

4.00

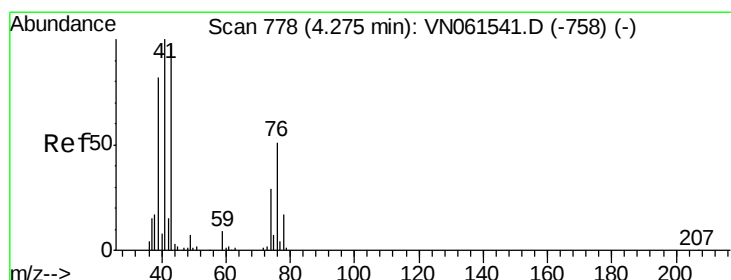
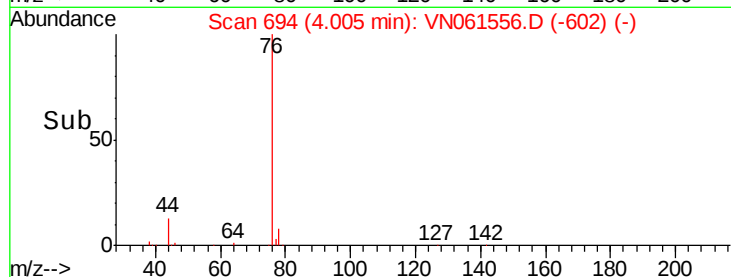
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.889 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061556.D

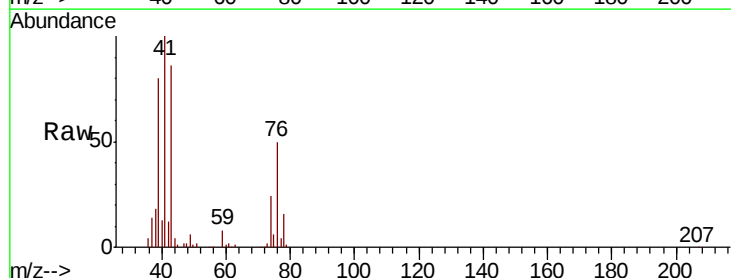
Acq: 29 May 2020 10:26

Tgt Ion: 43 Resp: 191086

Ion Ratio Lower Upper

43 100

74 29.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)

4.27

80000

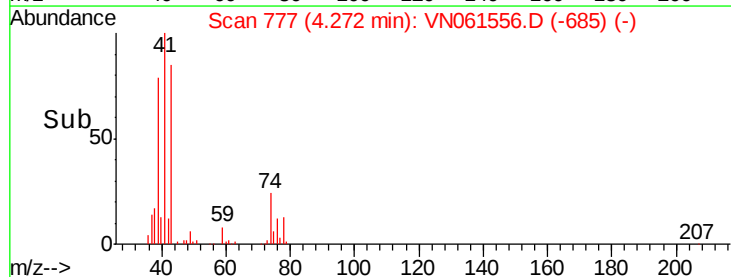
60000

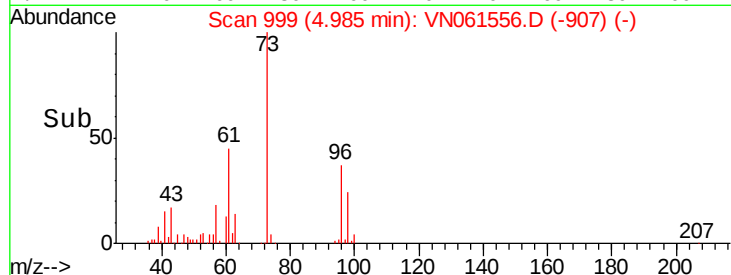
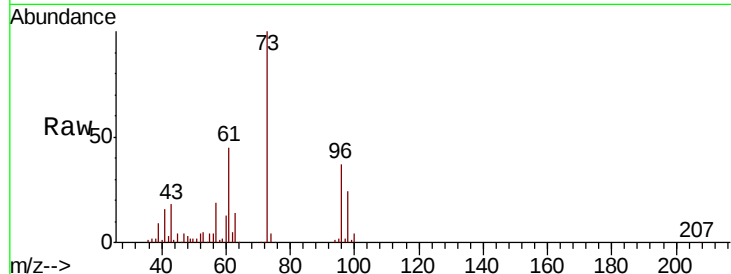
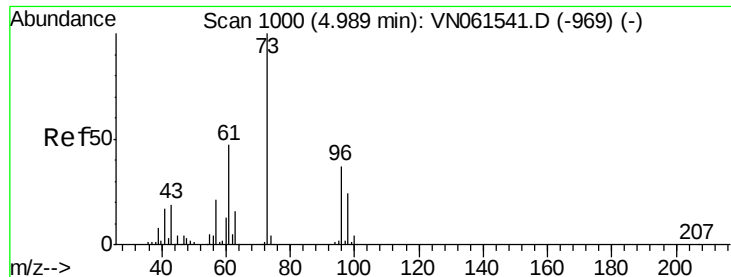
40000

20000

0

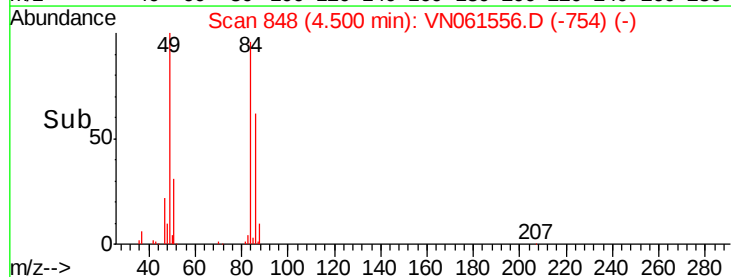
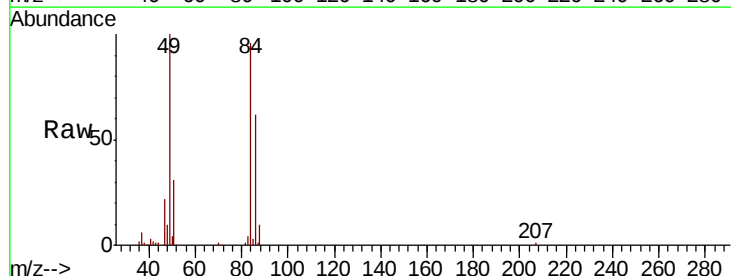
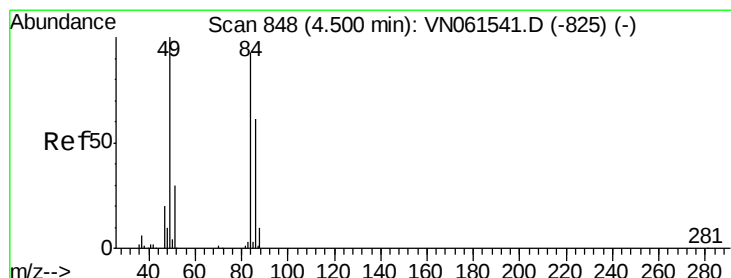
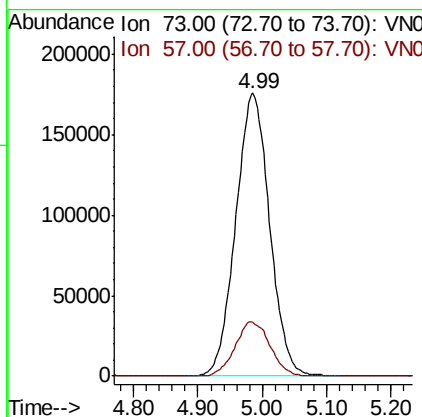
Time-->





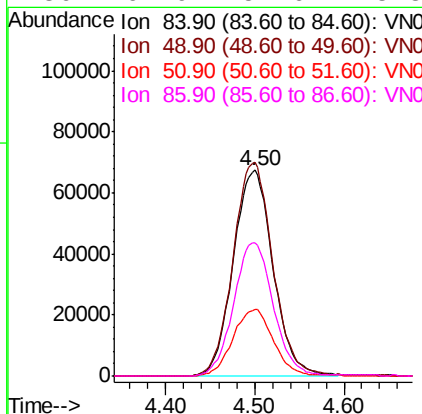
#19
Methvl tert-butvl Ether
Concen: 49.820 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

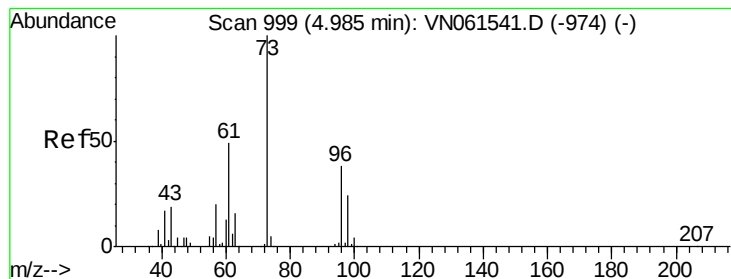
Tot Ion: 73 Resp: 641870
Ion Ratio Lower Upper
73 100
57 19.0 16.4 24.6



#20
Methylene Chloride
Concen: 52.285 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 84 Resp: 209154
Ion Ratio Lower Upper
84 100
49 103.8 85.8 128.8
51 32.6 26.2 39.2
86 64.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 49.771 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampled :

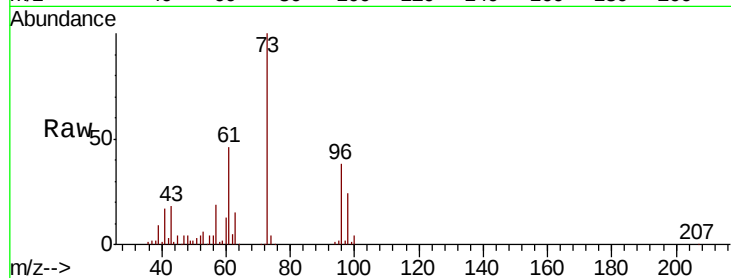
Tot Ion: 96 Resp: 212184

Ion Ratio Lower Upper

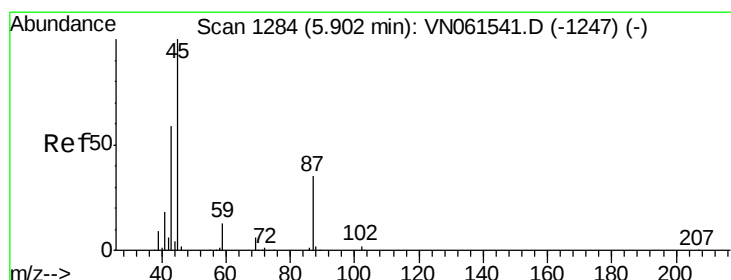
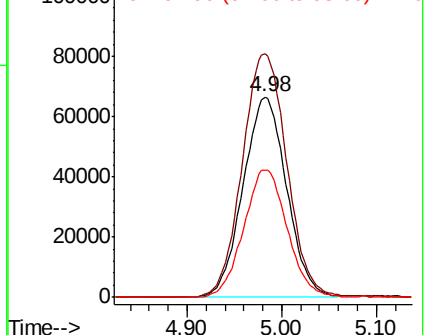
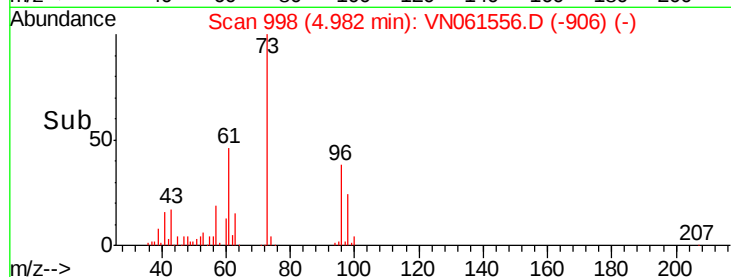
96 100

61 121.4 101.4 152.0

98 63.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061556.D (-906) (-)



#22

Diisopropyl ether

Concen: 51.949 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion: 45 Resp: 565859

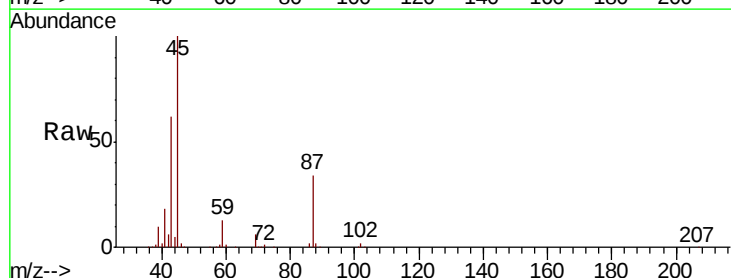
Ion Ratio Lower Upper

45 100

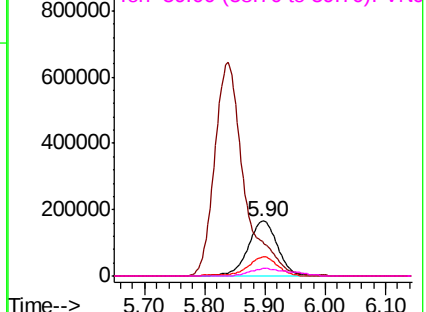
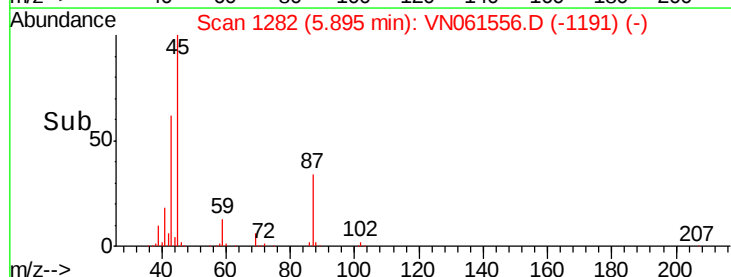
43 60.9 47.9 71.9

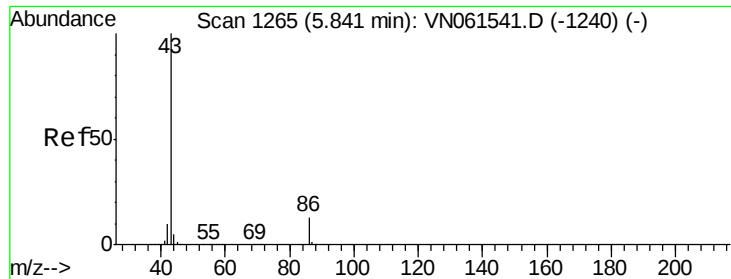
87 34.2 28.4 42.6

59 12.8 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VN061556.D (-1191) (-)





#23

Vinyl Acetate

Concen: 252.495 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

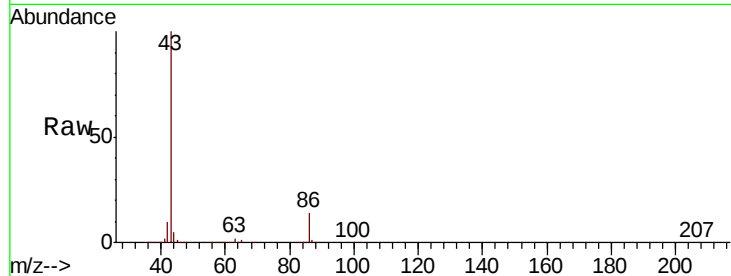
ClientSampleId :

Tot Ion: 43 Resp: 2192098

Ion Ratio Lower Upper

43 100

86 13.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1240) (-)

Ion 86.00 (85.70 to 86.70): VN061541.D (-1240) (-)

5.84

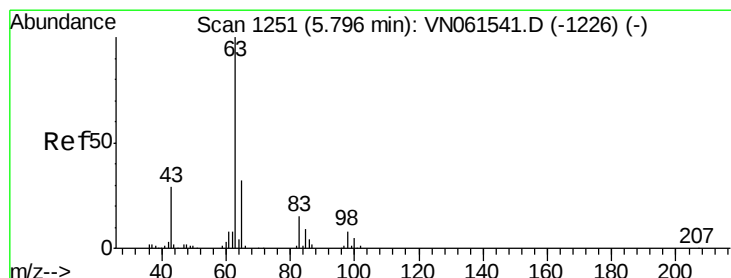
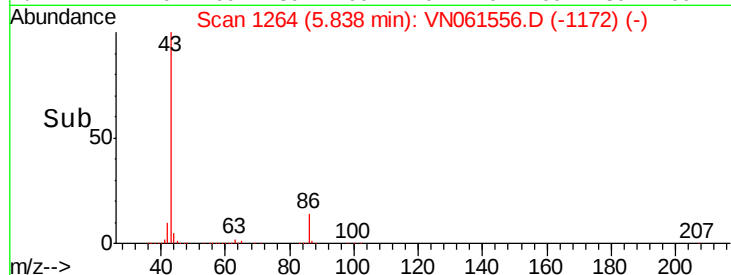
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.056 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

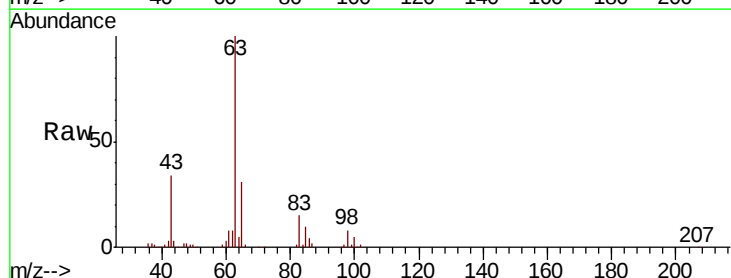
Tgt Ion: 63 Resp: 352654

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

100 5.0 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-1226) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1226) (-)

Ion 99.90 (99.60 to 100.60): VN061541.D (-1226) (-)

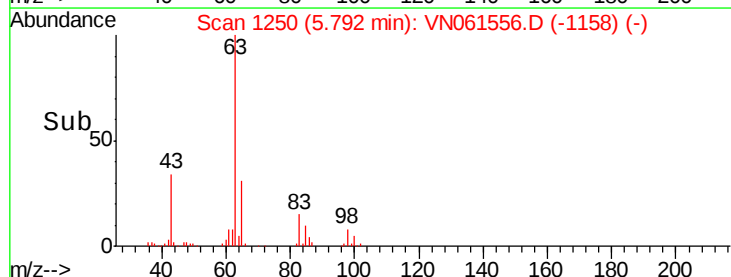
150000

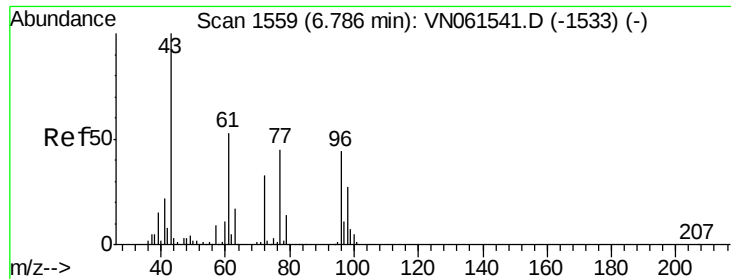
100000

50000

0

Time-->

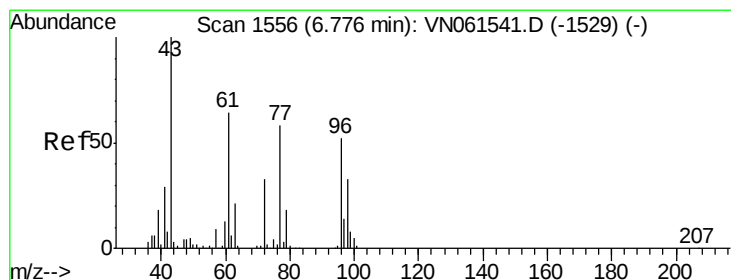
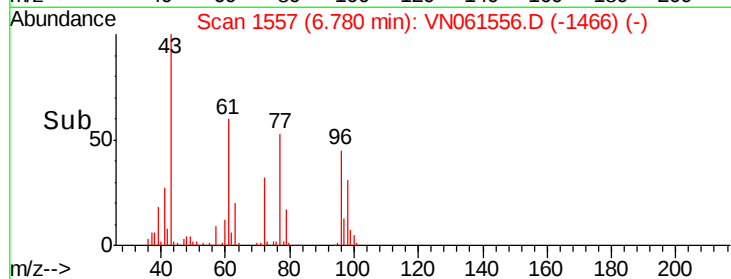
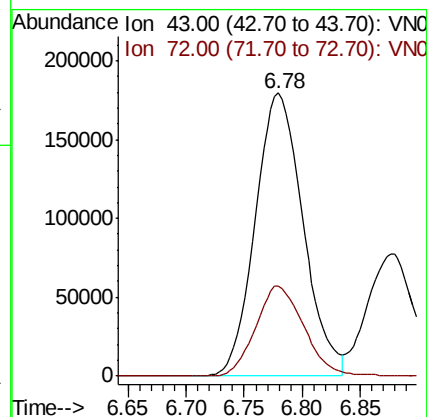
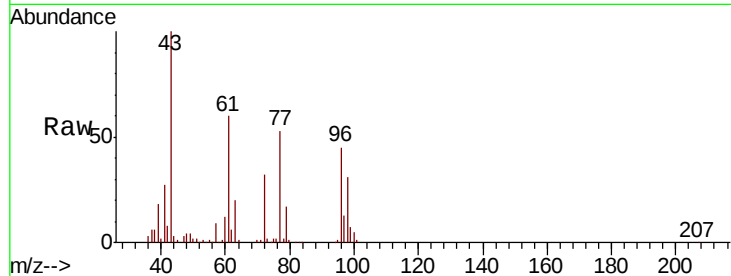




#25
2-Butanone
Concen: 245.398 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

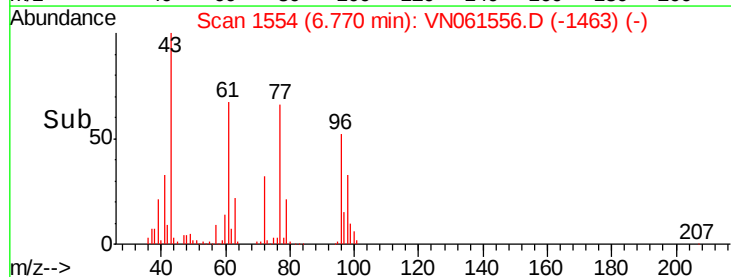
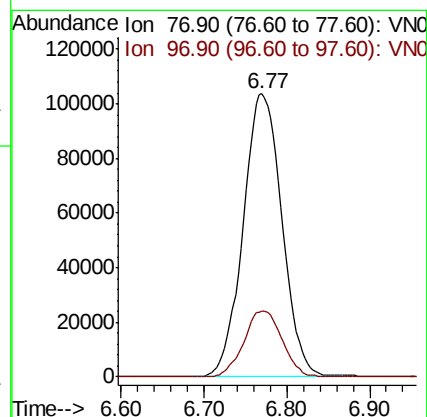
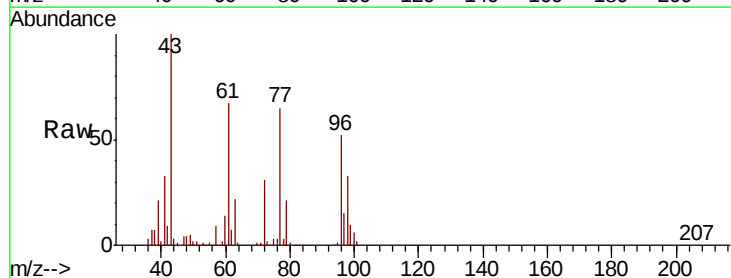
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 512630
Ion Ratio Lower Upper
43 100
72 31.9 26.0 39.0



#26
2,2-Dichloropropane
Concen: 53.306 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 77 Resp: 336999
Ion Ratio Lower Upper
77 100
97 23.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.482 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

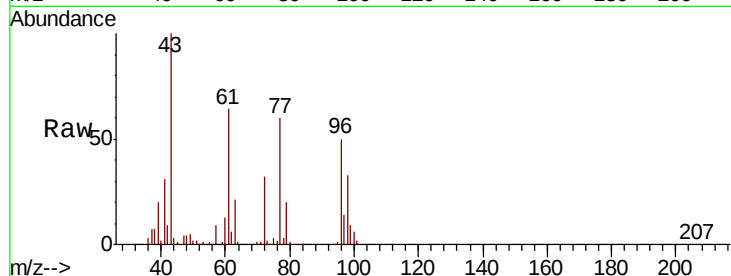
Tot Ion: 96 Resp: 248527

Ion Ratio Lower Upper

96 100

61 129.1 0.0 252.2

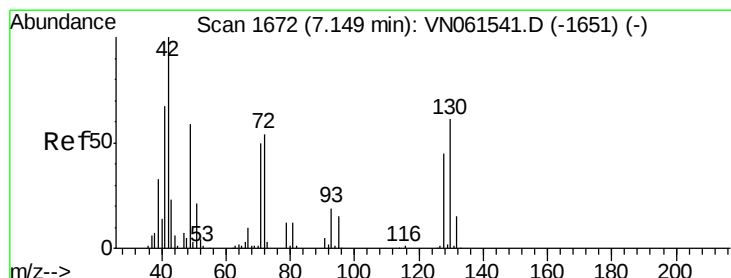
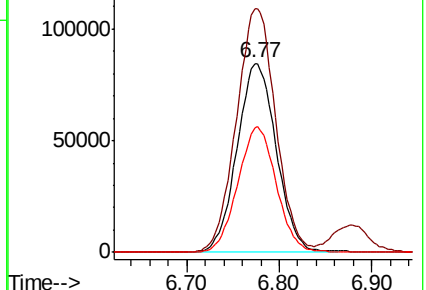
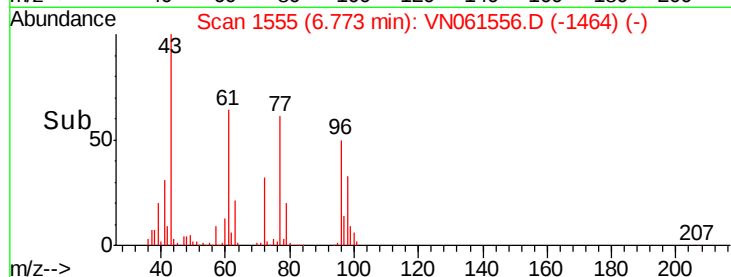
98 65.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061556.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061556.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061556.D (-1464) (-)



#28

Bromochloromethane

Concen: 57.954 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

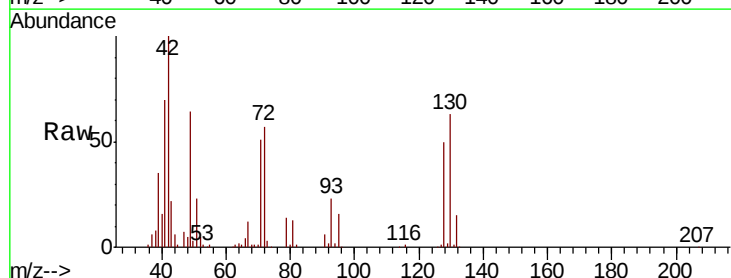
Tgt Ion: 49 Resp: 149702

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.8

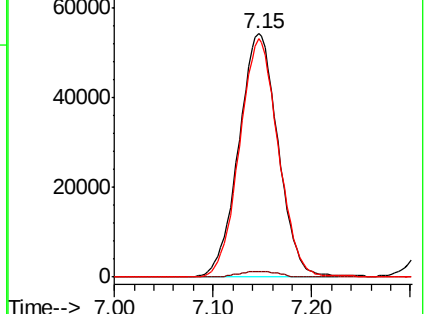
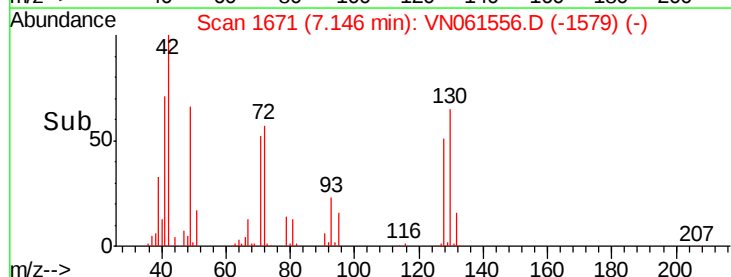
130 96.4 78.8 118.2

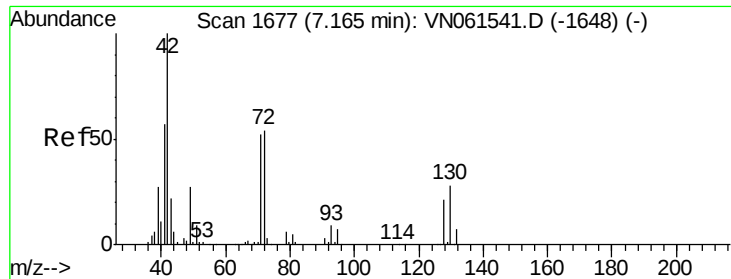


Abundance Ion 48.90 (48.60 to 49.60): VN061556.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061556.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061556.D (-1579) (-)

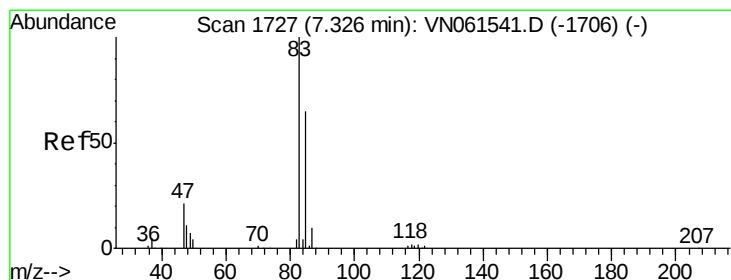
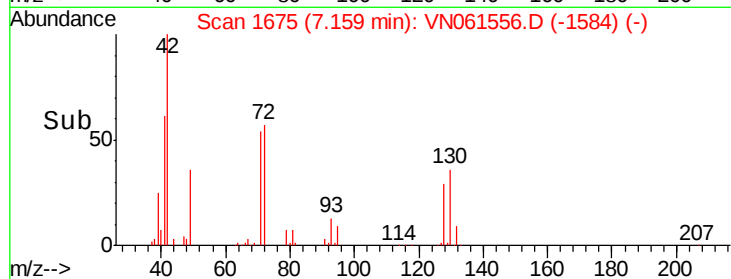
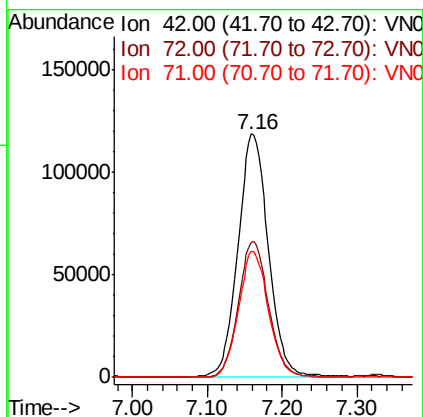
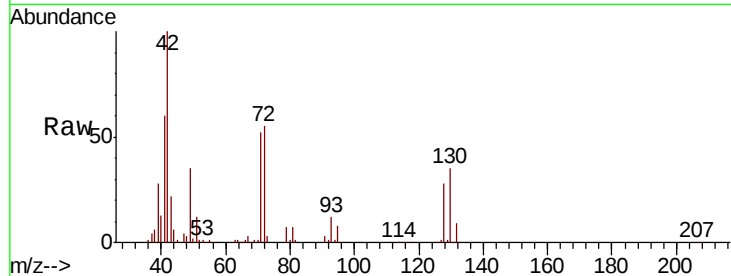




#29
Tetrahydrofuran
Concen: 243.291 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

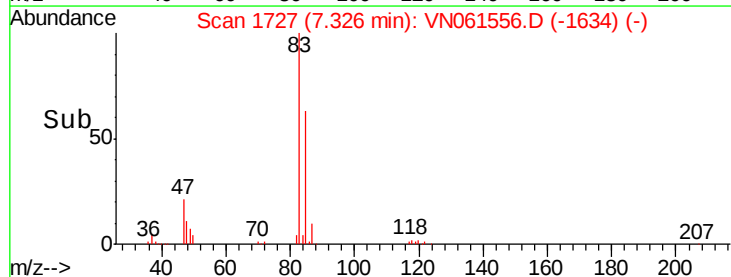
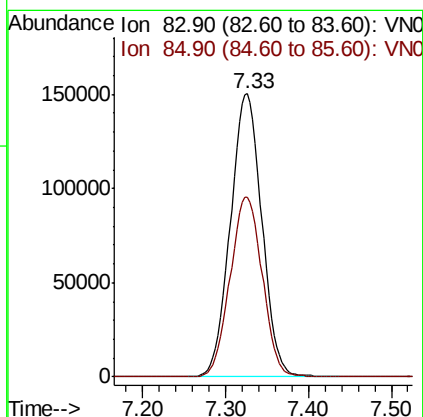
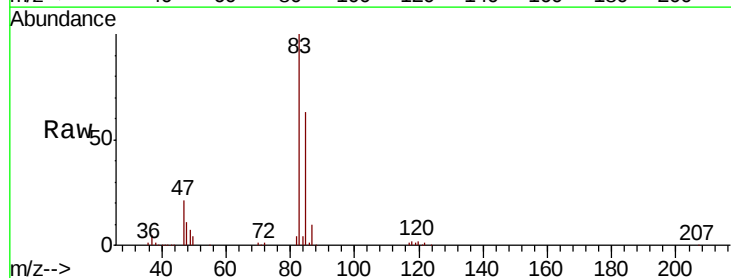
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 335134
Ion Ratio Lower Upper
42 100
72 55.5 43.6 65.4
71 51.1 41.2 61.8



#30
Chloroform
Concen: 52.013 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 83 Resp: 397461
Ion Ratio Lower Upper
83 100
85 63.3 51.7 77.5





#31

Cyclohexane

Concen: 51.116 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :

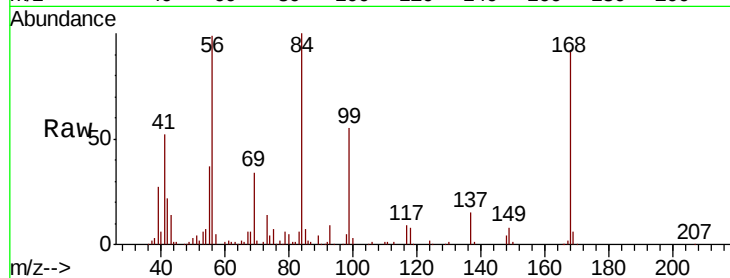
Tot Ion: 56 Resp: 317535

Ion Ratio Lower Upper

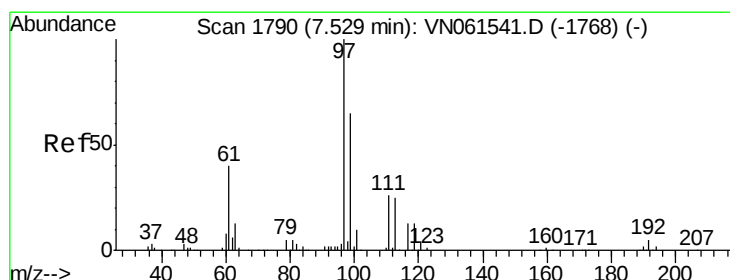
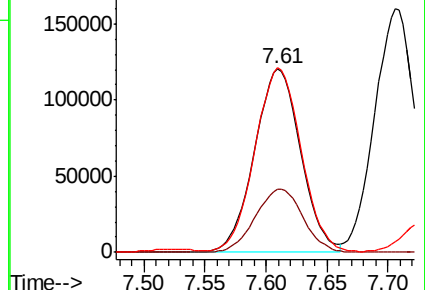
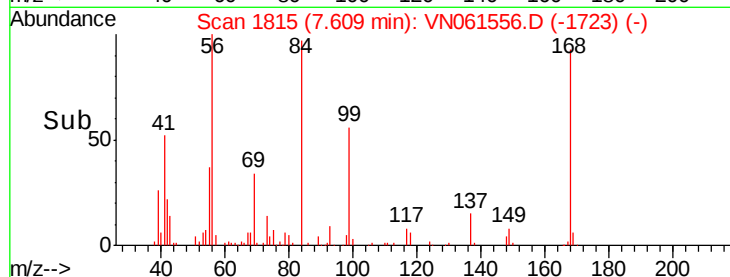
56 100

69 34.0 27.8 41.8

84 99.1 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.105 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

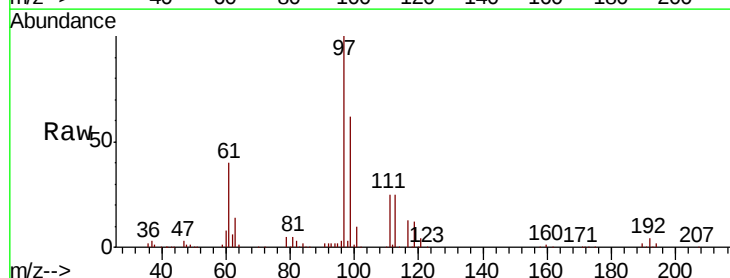
Tgt Ion: 97 Resp: 362808

Ion Ratio Lower Upper

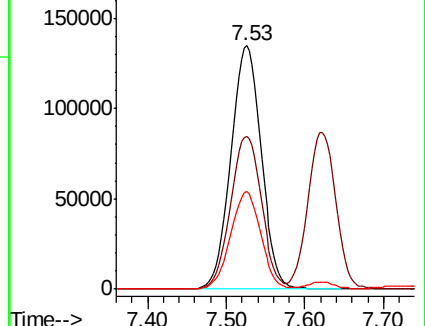
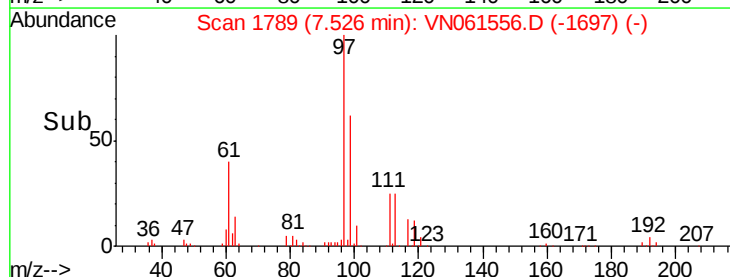
97 100

99 63.9 51.4 77.0

61 39.6 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

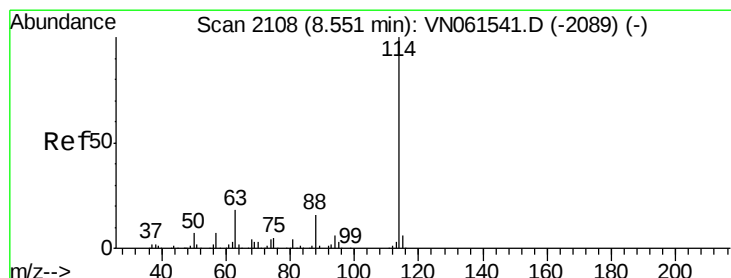
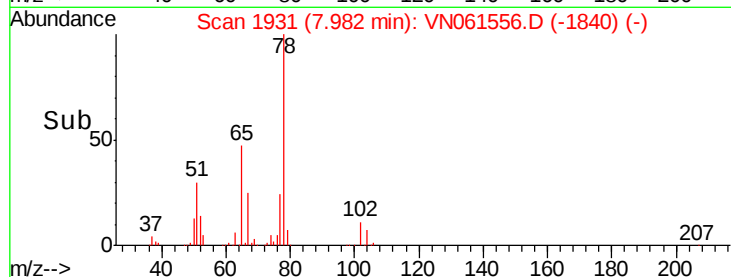
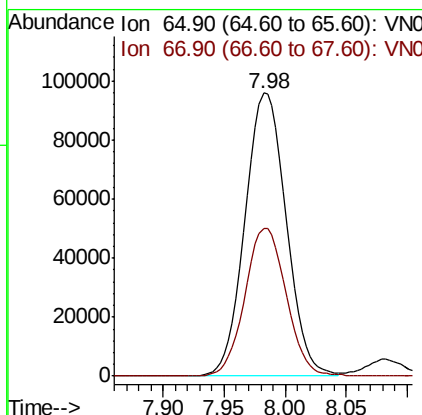
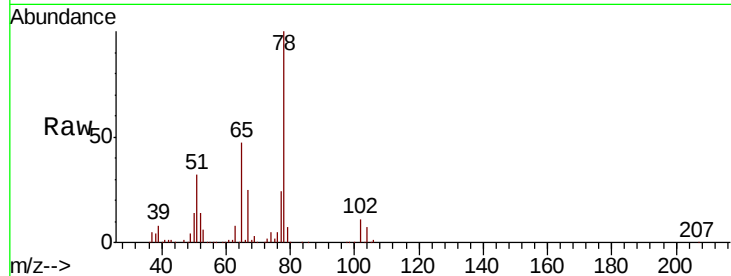




#33
 1,2-Dichloroethane-d4
 Concen: 50.960 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

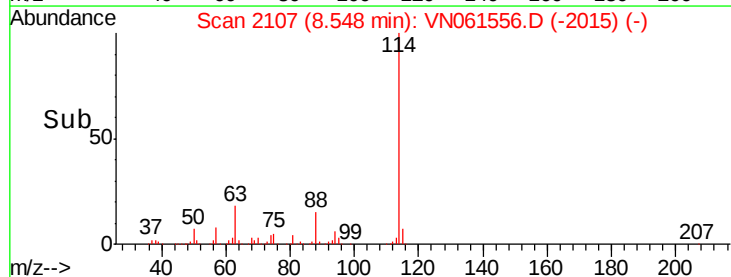
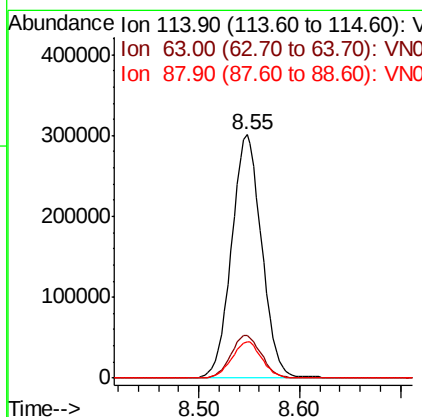
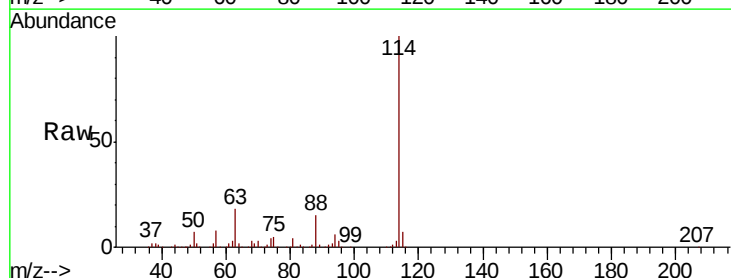
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 224619
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 114 Resp: 621915
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.8
 88 15.1 0.0 31.0

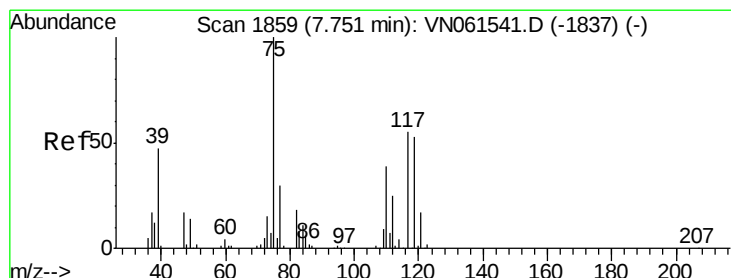
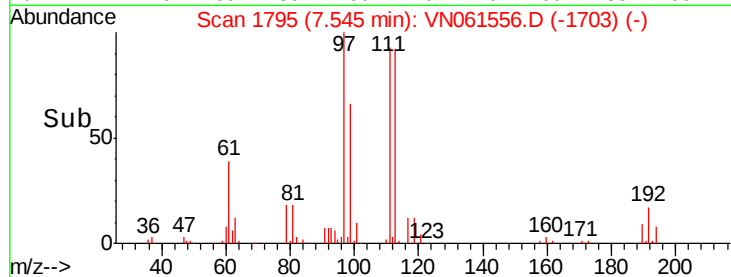
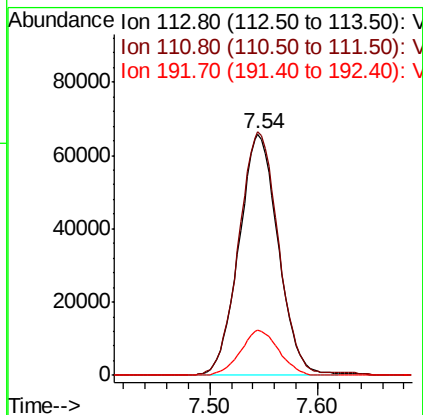
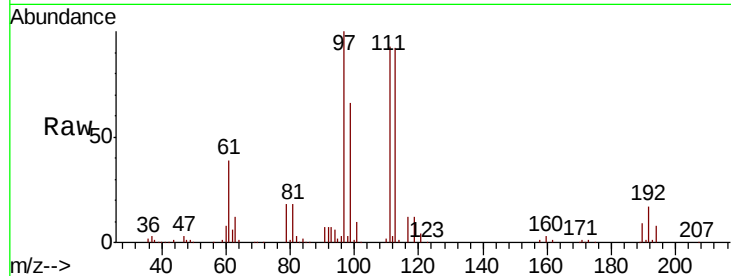




#35
 Dibromofluoromethane
 Concen: 52.682 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

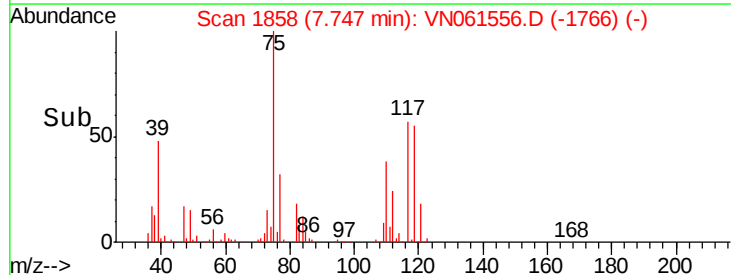
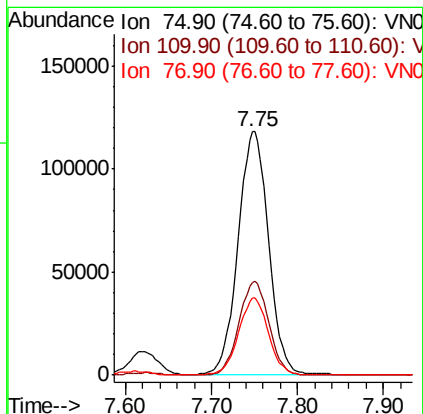
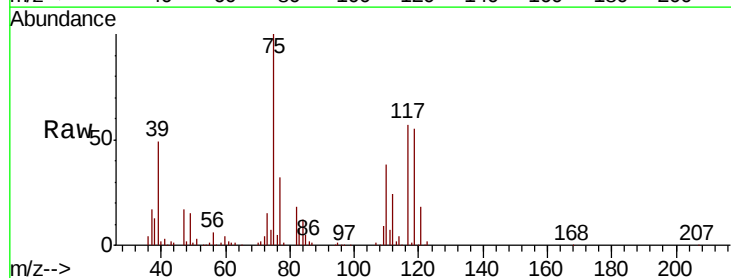
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 166205
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.4 125.0
 192 18.3 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 52.742 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 75 Resp: 290375
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.5 58.5
 77 31.2 24.7 37.1

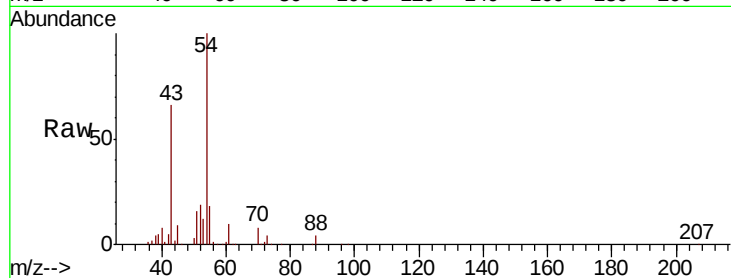




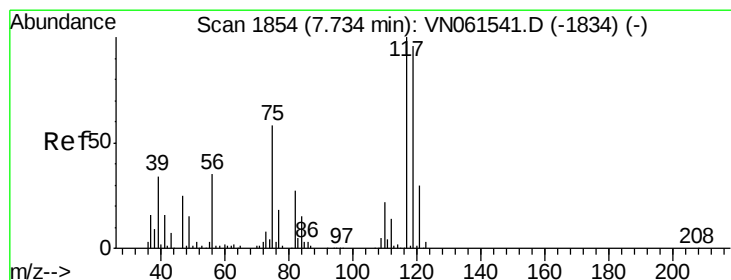
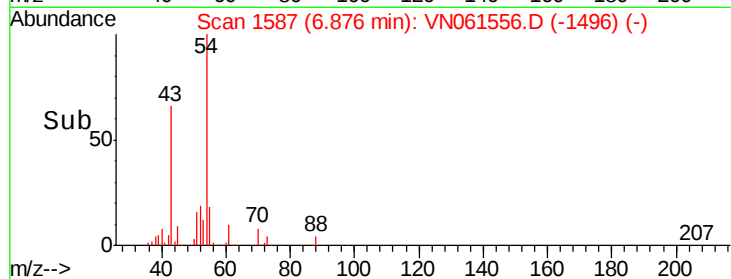
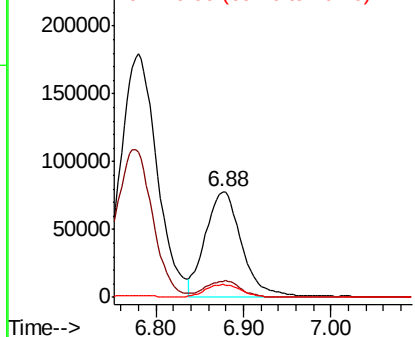
#37
Ethyl Acetate
Concen: 49.872 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 221152
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.4
70 12.3 9.4 14.2

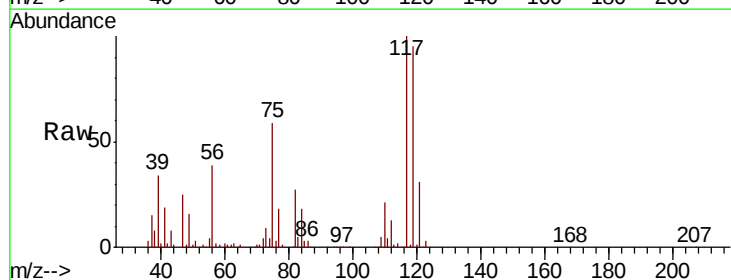


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

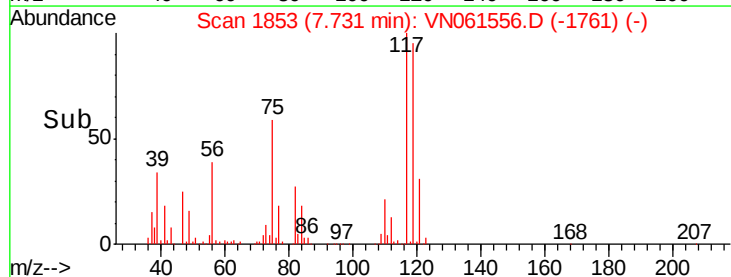
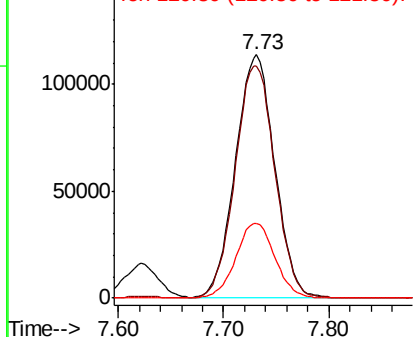


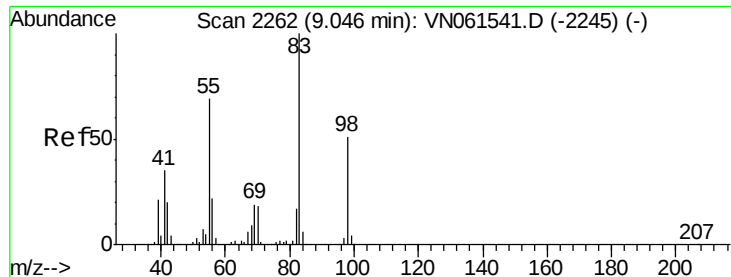
#38
Carbon Tetrachloride
Concen: 55.183 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 117 Resp: 293051
Ion Ratio Lower Upper
117 100
119 95.5 76.5 114.7
121 30.7 24.1 36.1



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

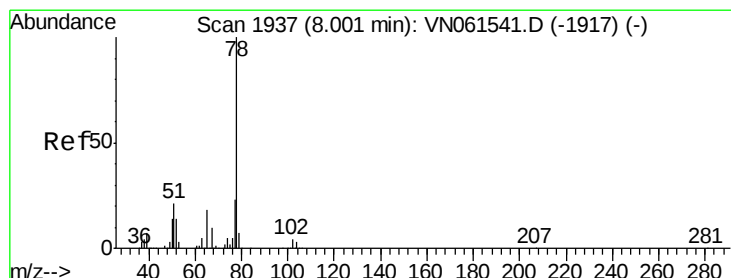
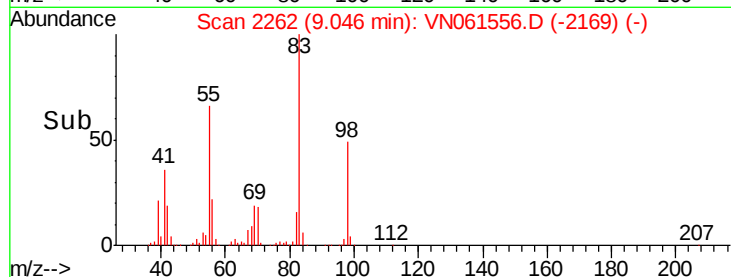
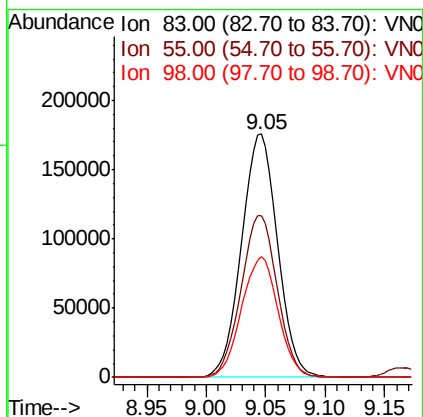
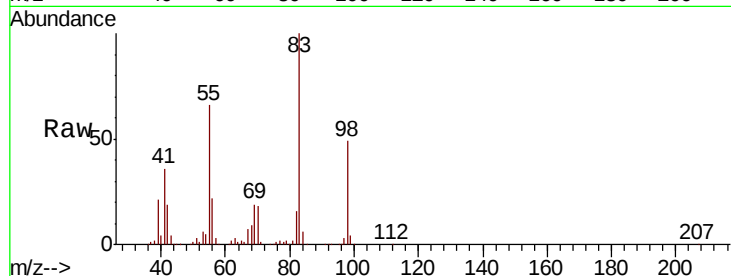




#39
Methvlcvclohexane
Concen: 54.391 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

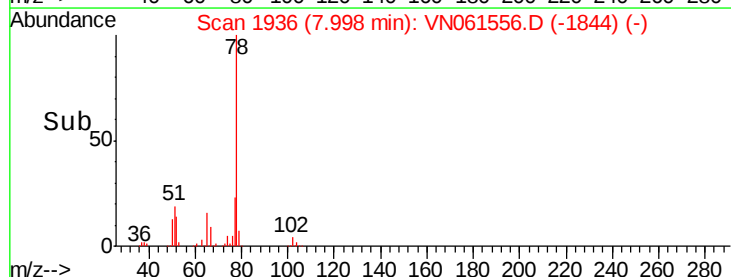
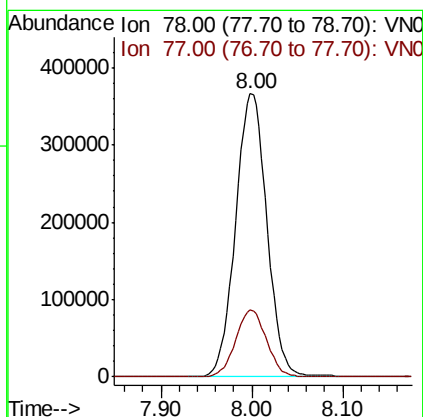
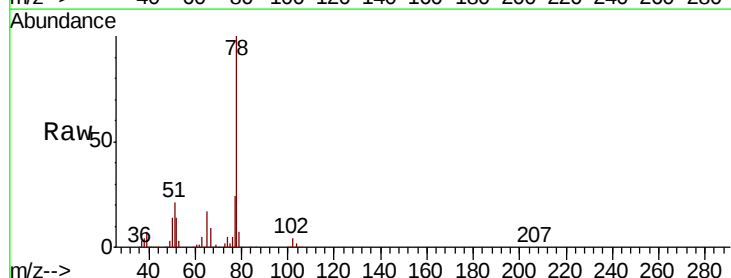
Instrument :
MSVOA_N
ClientSampled :

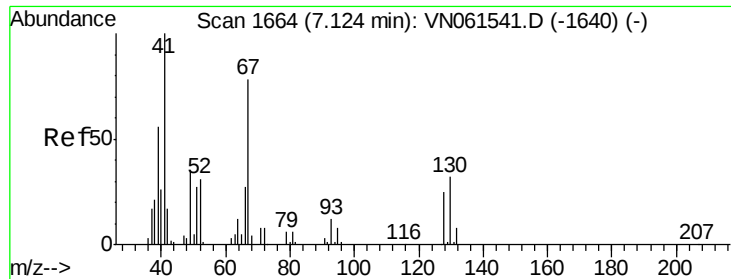
Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	54.9	82.3
98	49.3	41.0	61.4



#40
Benzene
Concen: 51.563 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0

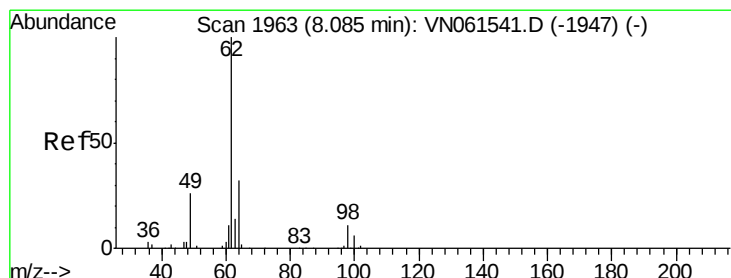
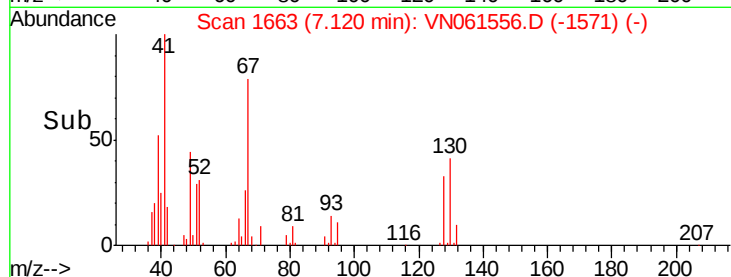
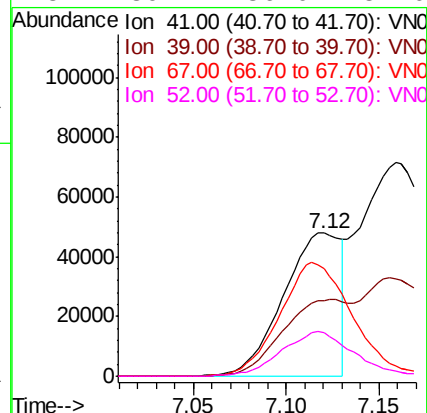
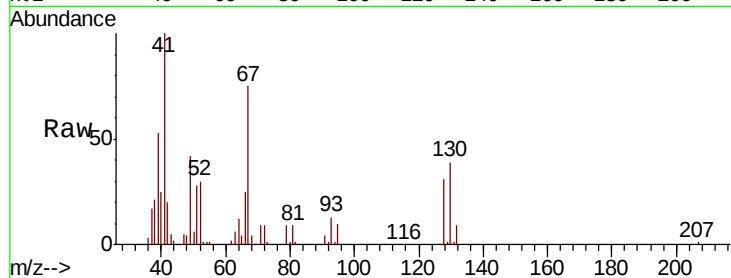




#41
Methacrylonitrile
Concen: 51.035 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

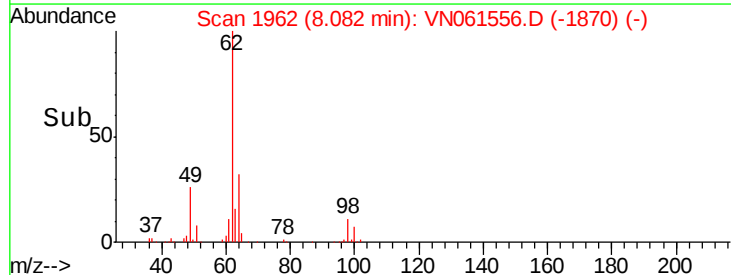
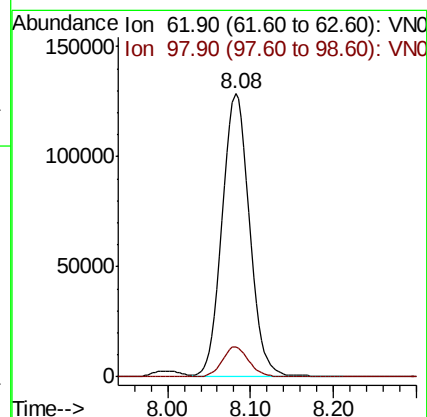
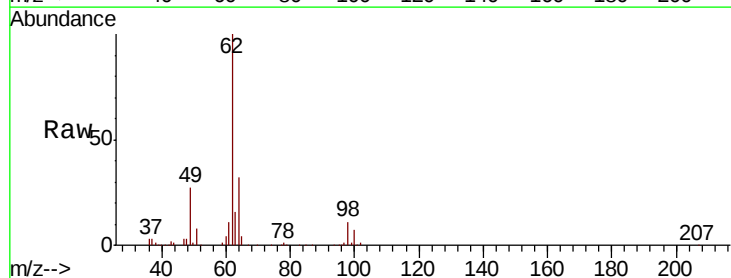
Instrument :
MSVOA_N
ClientSampled :

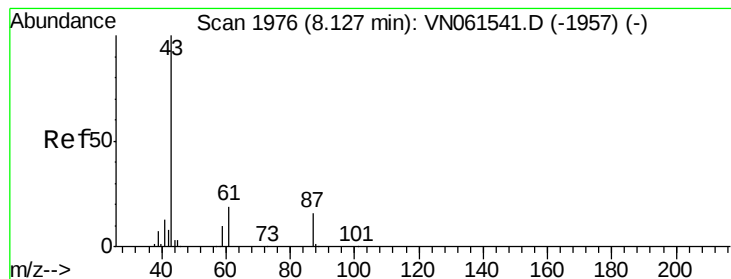
Tot Ion:	41	Resp:	103686
Ion	Ratio	Lower	Upper
41	100		
39	59.5	53.8	80.6
67	100.2	91.1	136.7
52	39.7	36.0	54.0



#42
1,2-Dichloroethane
Concen: 51.833 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion:	62	Resp:	294780
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.4





#43

Isopropyl Acetate

Concen: 49.722 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

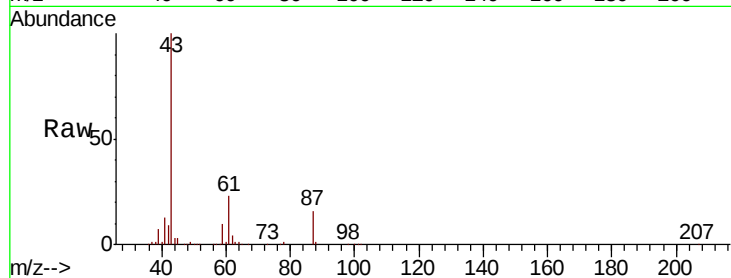
Tot Ion: 43 Resp: 396676

Ion Ratio Lower Upper

43 100

61 29.5 23.6 35.4

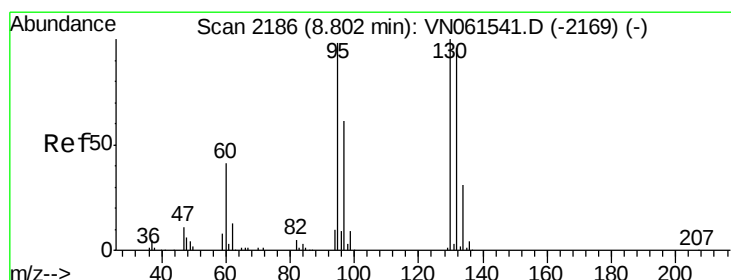
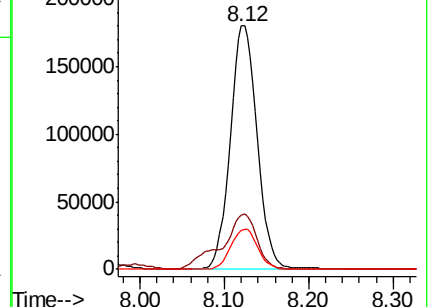
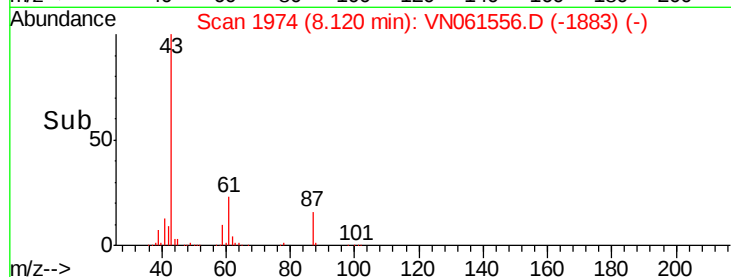
87 16.7 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061541.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1957) (-)



#44

Trichloroethene

Concen: 51.419 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061556.D

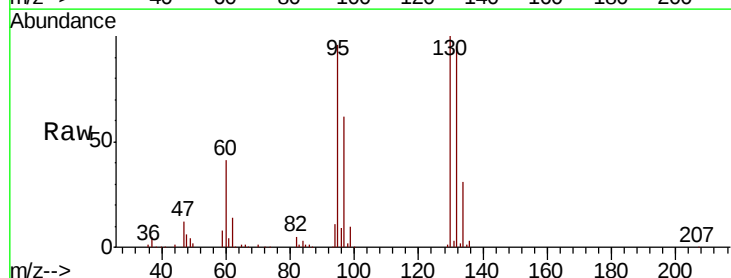
Acq: 29 May 2020 10:26

Tgt Ion: 130 Resp: 268437

Ion Ratio Lower Upper

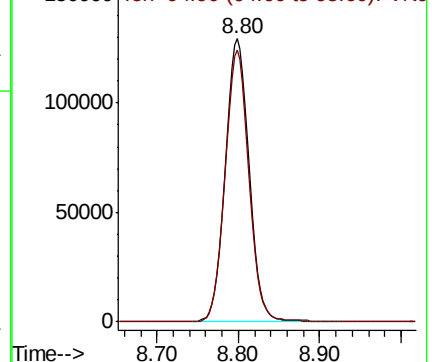
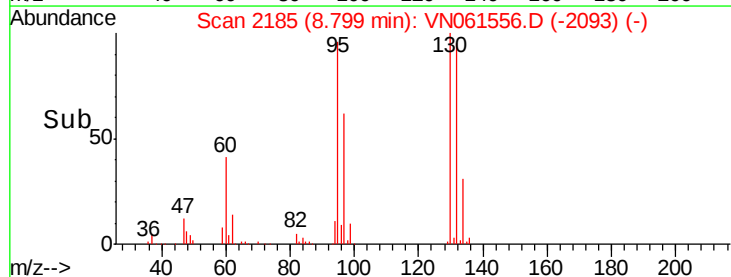
130 100

95 96.2 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061541.D (-2169) (-)

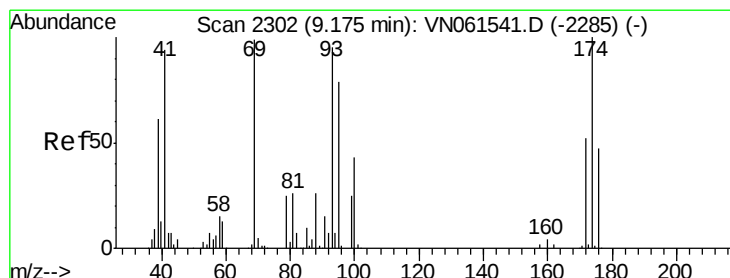
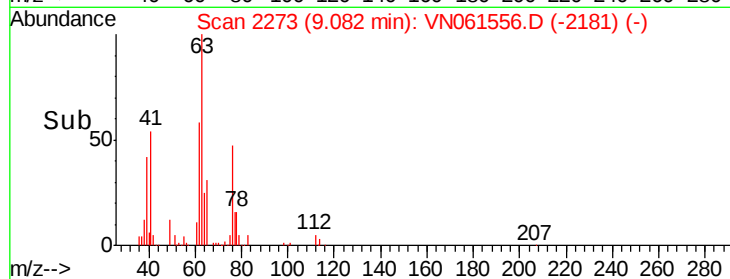
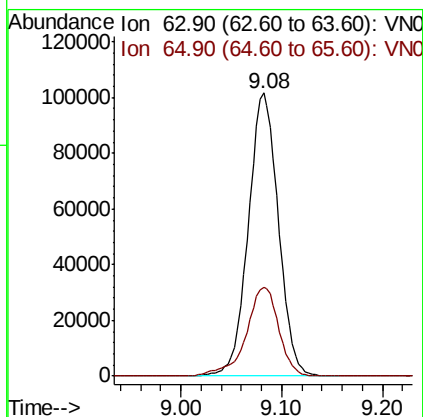
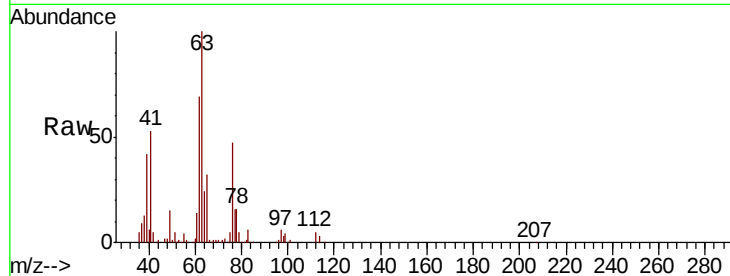




#45
 1,2-Dichloropropane
 Concen: 51.911 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

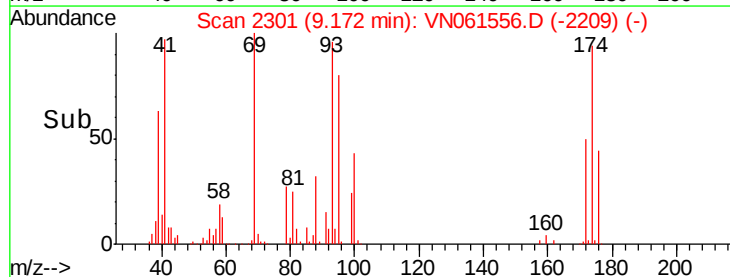
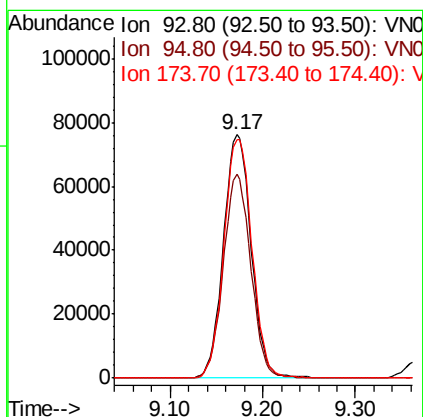
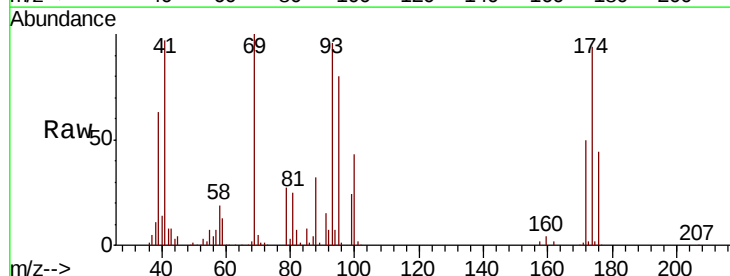
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 209393
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1



#46
 Dibromomethane
 Concen: 51.110 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 93 Resp: 158114
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.0 99.0
 174 99.4 82.5 123.7





#47

Bromodichloromethane

Concen: 52.758 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

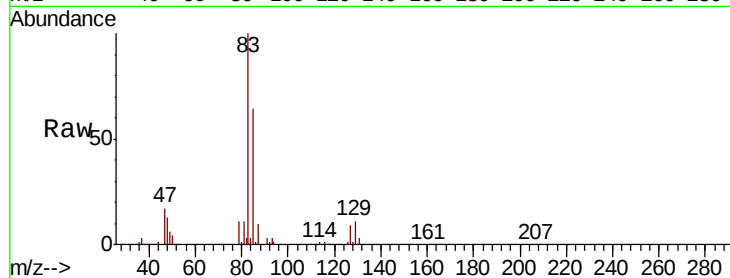
Tot Ion: 83 Resp: 323360

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

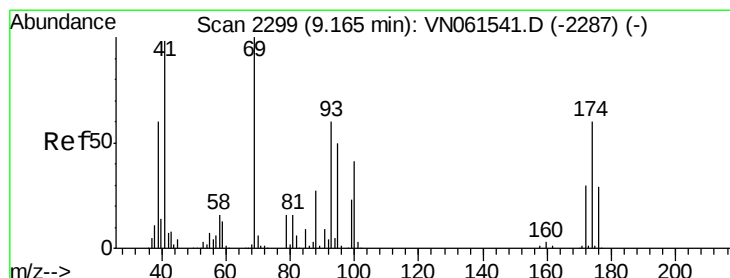
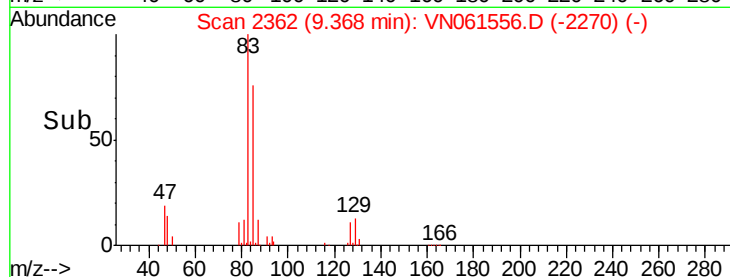
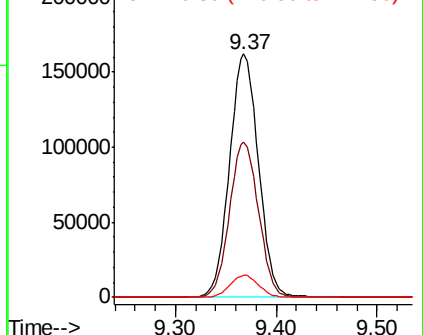
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061556.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061556.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061556.D (-2270) (-)



#48

Methyl methacrylate

Concen: 48.487 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

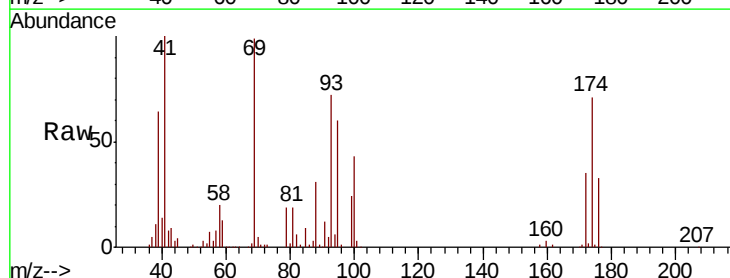
Tgt Ion: 41 Resp: 174037

Ion Ratio Lower Upper

41 100

69 104.5 83.9 125.9

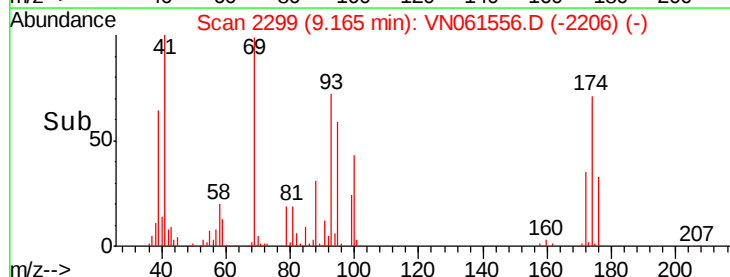
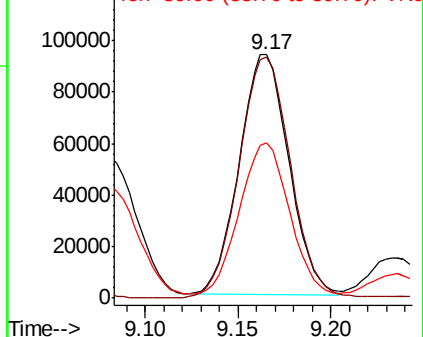
39 65.9 52.1 78.1

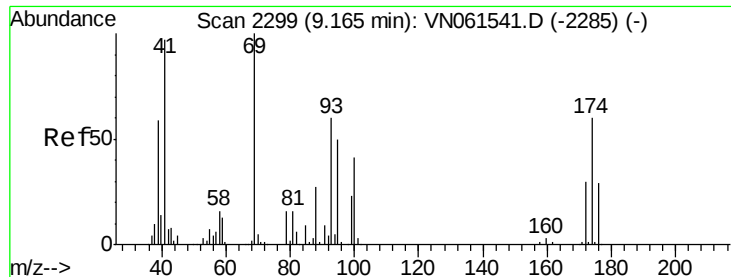


Abundance Ion 41.00 (40.70 to 41.70): VN061556.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061556.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061556.D (-2206) (-)





#49

1,4-Dioxane

Concen: 1172.684 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :

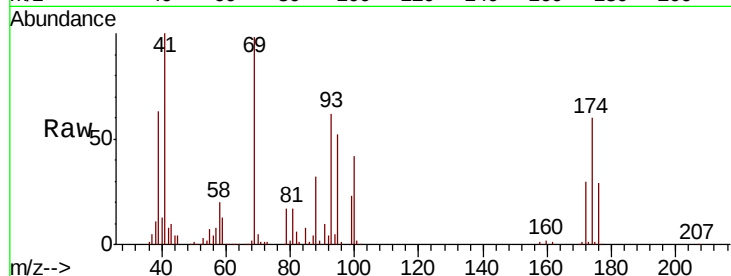
Tot Ion: 88 Resp: 65208

Ion Ratio Lower Upper

88 100

43 26.5 23.1 34.7

58 59.4 48.3 72.5

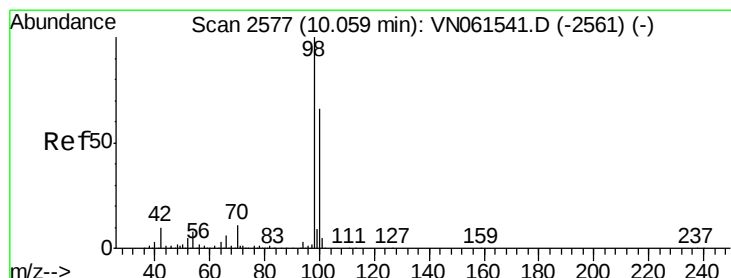
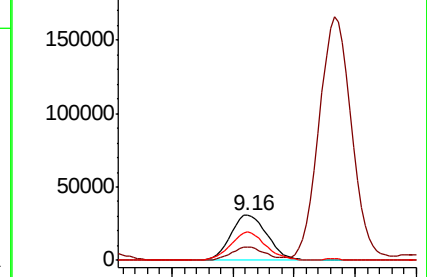
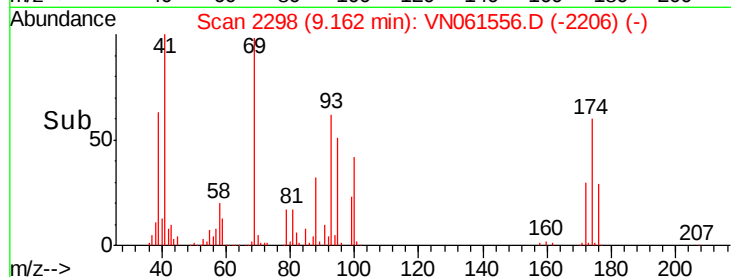


Abundance Ion 88.00 (87.70 to 88.70): VN061541.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN061541.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2285) (-)

Time-->



#50

Toluene-d8

Concen: 52.147 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061556.D

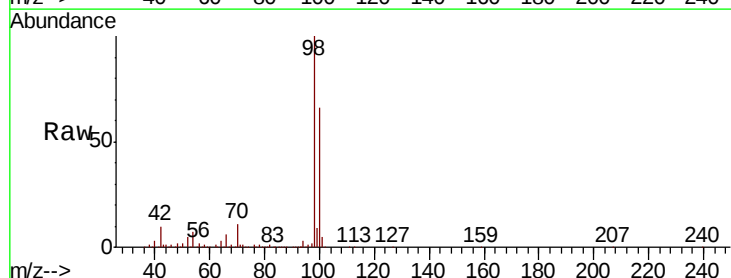
Acq: 29 May 2020 10:26

Tgt Ion: 98 Resp: 762397

Ion Ratio Lower Upper

98 100

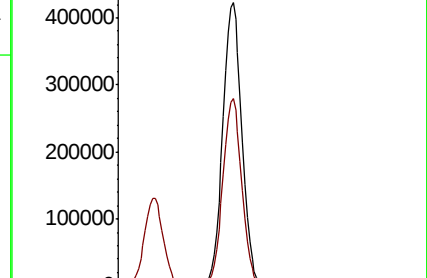
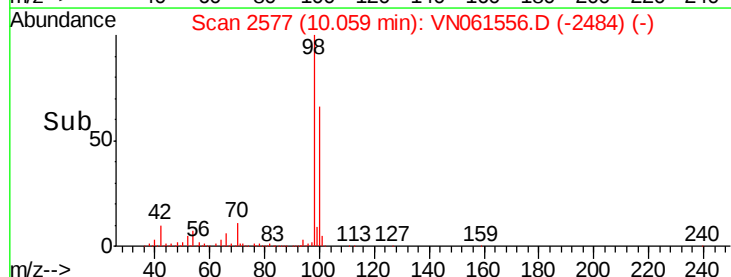
100 65.4 52.8 79.2

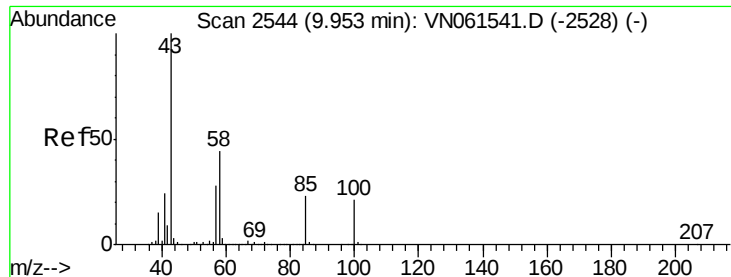


Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

Time-->

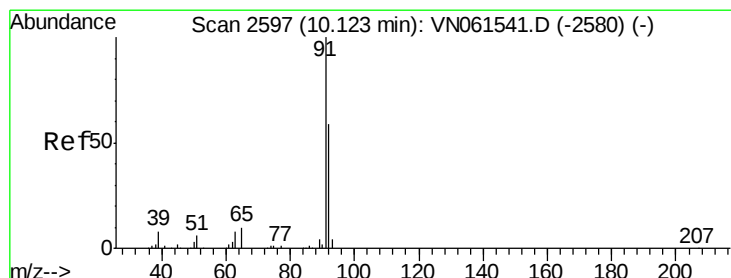
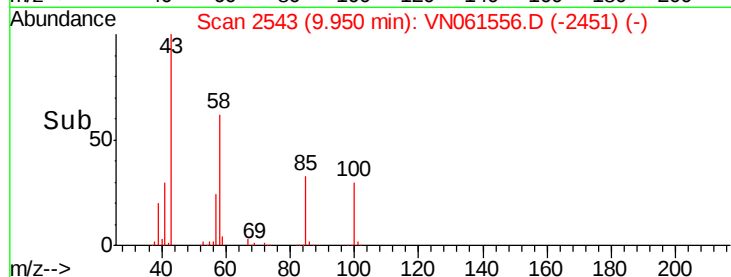
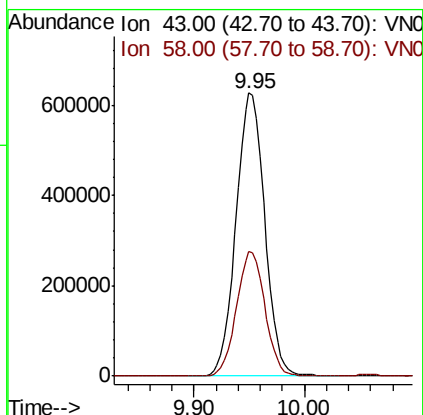
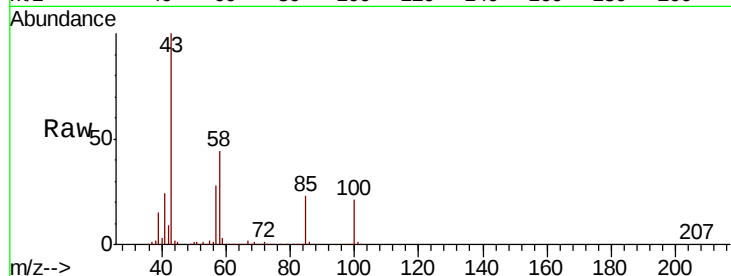




#51
4-Methyl-2-Pentanone
Concen: 251.075 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

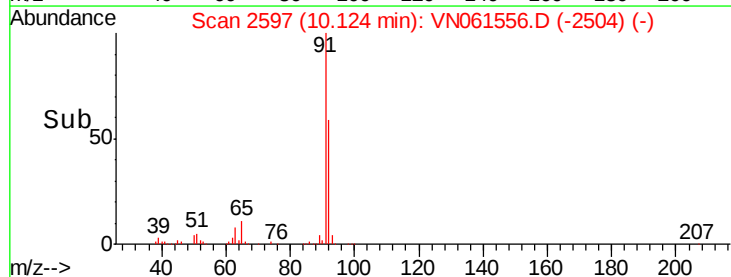
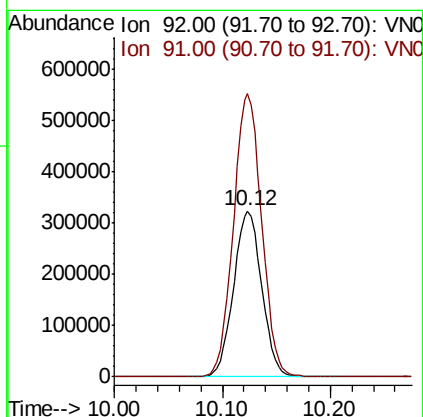
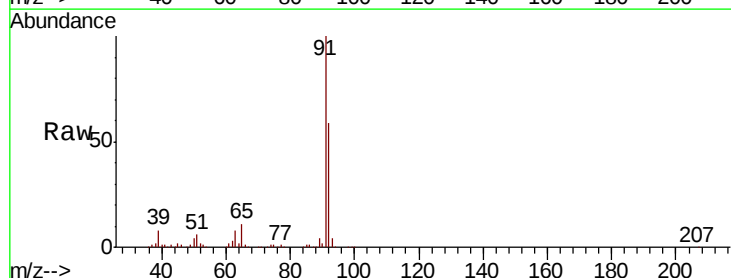
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1128772
Ion Ratio Lower Upper
43 100
58 43.7 35.0 52.6



#52
Toluene
Concen: 53.156 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 92 Resp: 589353
Ion Ratio Lower Upper
92 100
91 171.2 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 52.554 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

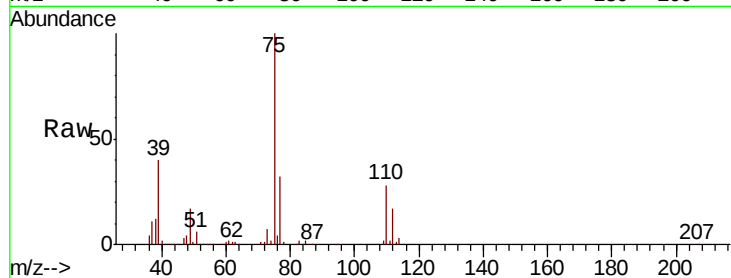
ClientSampleId :

Tot Ion: 75 Resp: 346997

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN061556.D (-2575) (-)

Ion 76.90 (76.60 to 77.60): VN061556.D (-2575) (-)

10.35

200000

150000

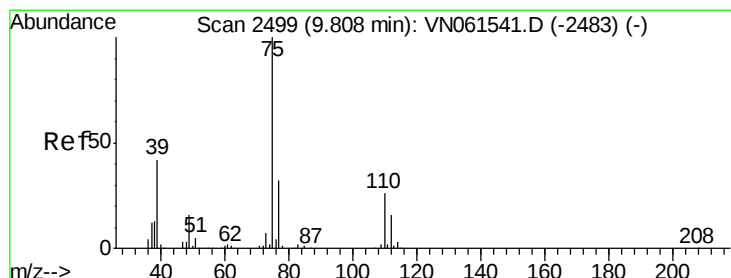
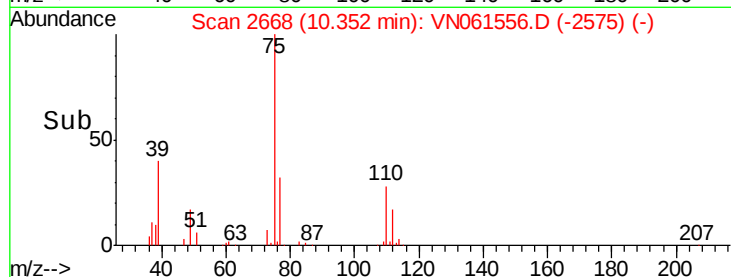
100000

50000

0

10.30 10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.662 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

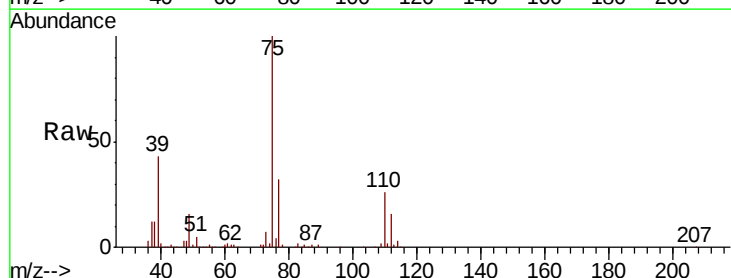
Tgt Ion: 75 Resp: 373866

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 42.6 33.8 50.6



Abundance Ion 74.90 (74.60 to 75.60): VN061556.D (-2406) (-)

Ion 76.90 (76.60 to 77.60): VN061556.D (-2406) (-)

Ion 39.00 (38.70 to 39.70): VN061556.D (-2406) (-)

9.81

250000

200000

150000

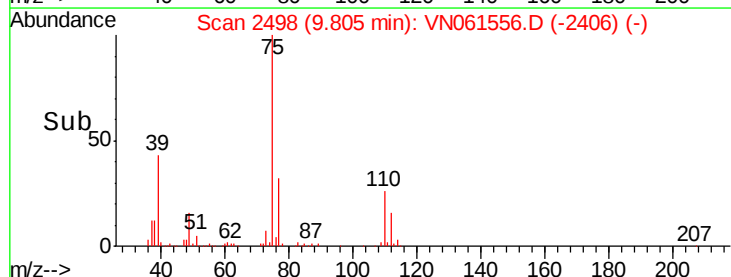
100000

50000

0

9.70 9.80 9.90

Time-->

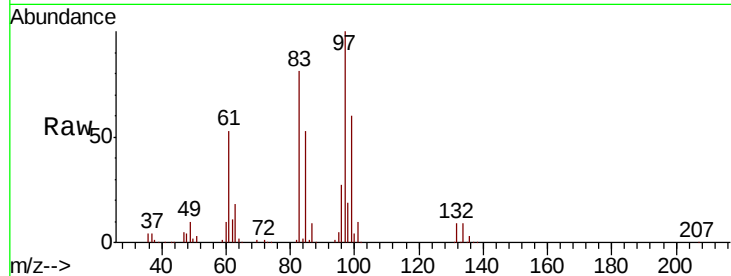




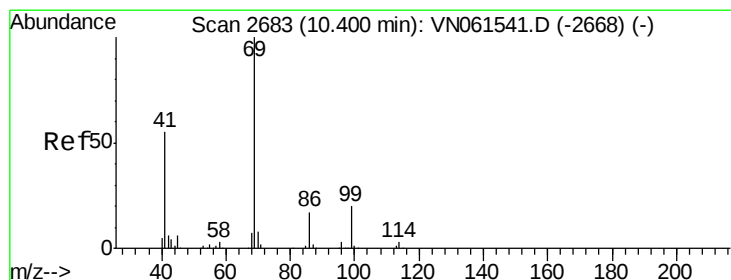
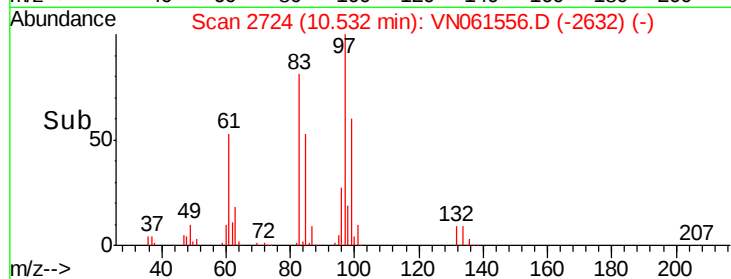
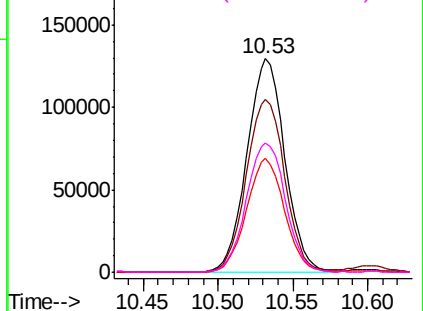
#55
 1,1,2-Trichloroethane
 Concen: 51.708 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	228405
Ion	Ratio	Lower	Upper
97	100		
83	80.8	68.1	102.1
85	53.1	44.1	66.1
99	60.3	51.1	76.7

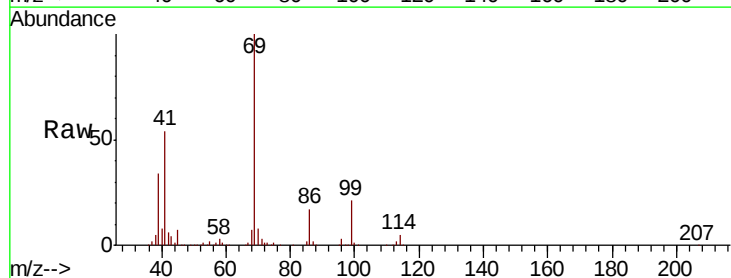


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

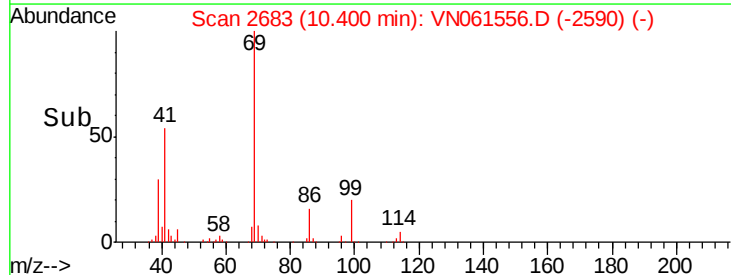
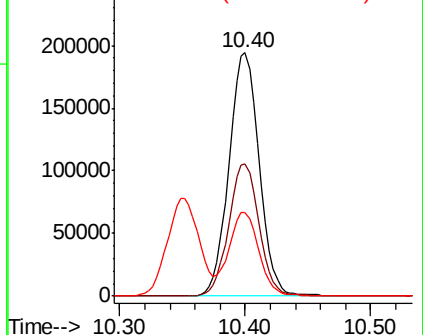


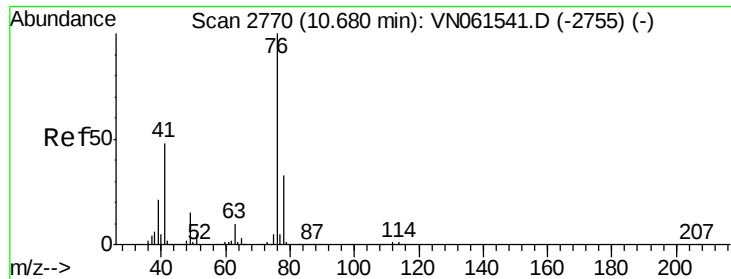
#56
 Ethyl methacrylate
 Concen: 52.673 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion:	69	Resp:	325019
Ion	Ratio	Lower	Upper
69	100		
41	54.0	43.5	65.3
39	34.1	27.0	40.6



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

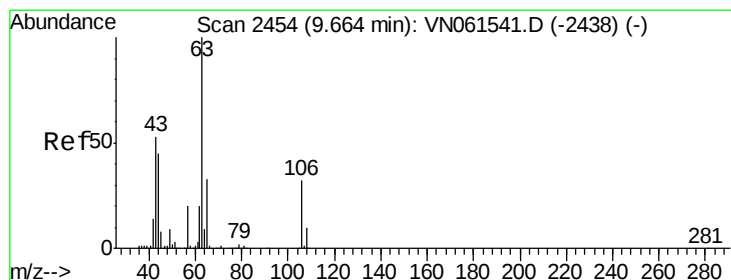
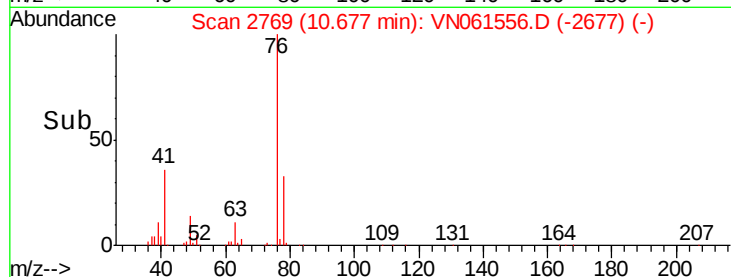
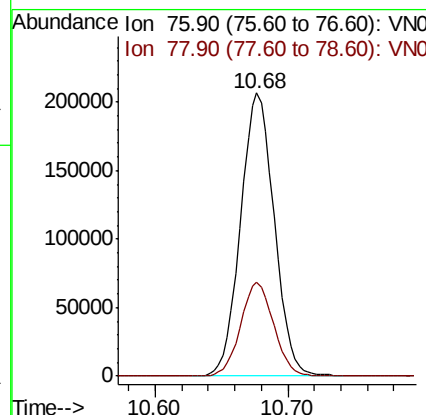
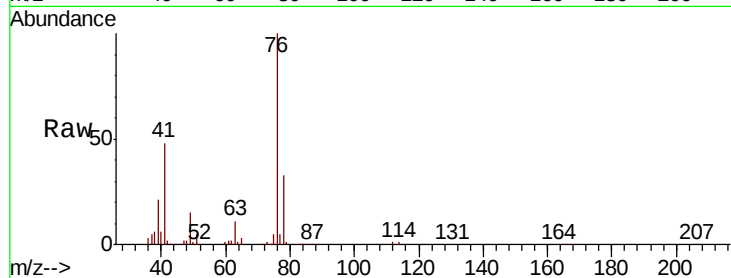




#57
 1,3-Dichloropropane
 Concen: 51.619 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

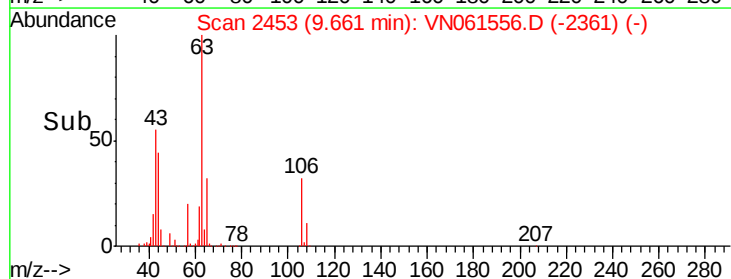
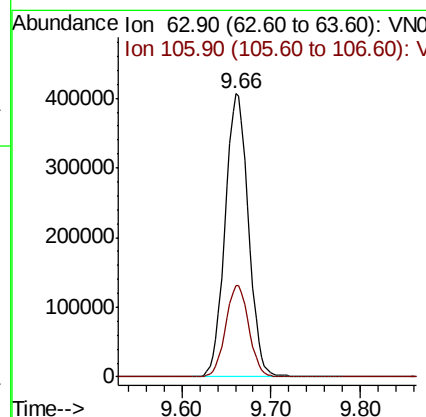
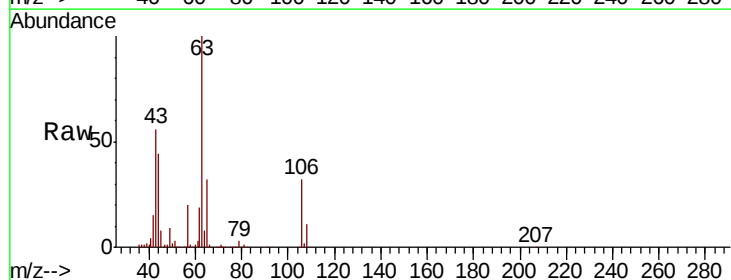
Instrument :
 MSVOA_N
 ClientSampleId :

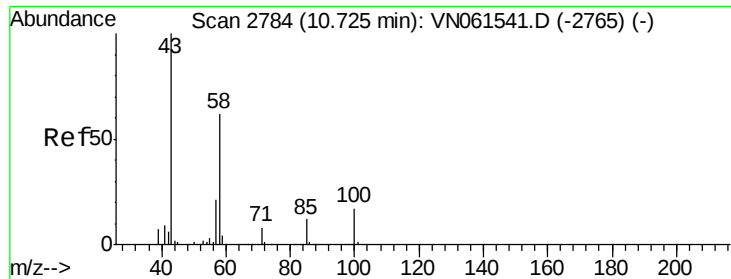
Tot Ion: 76 Resp: 364681
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.543 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 63 Resp: 734498
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.9 38.9

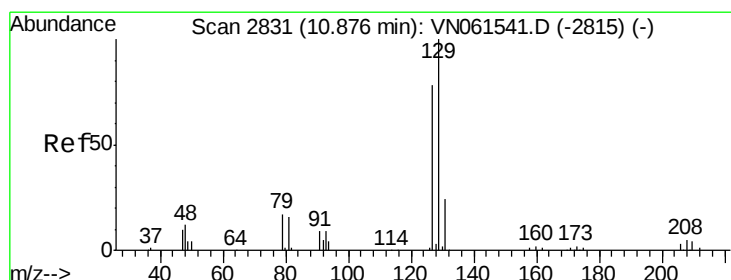
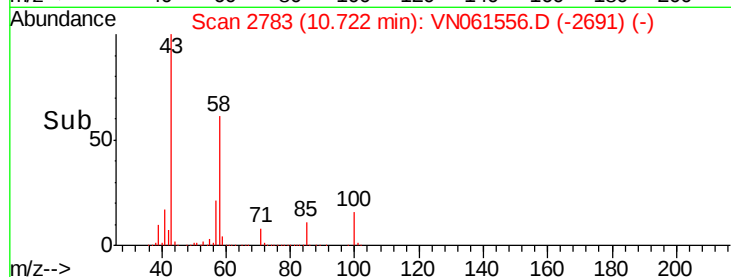
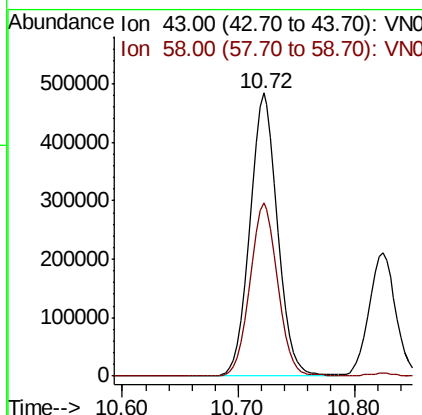
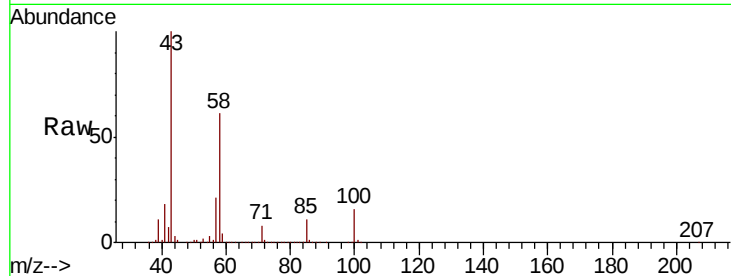




#59
2-Hexanone
Concen: 249.671 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

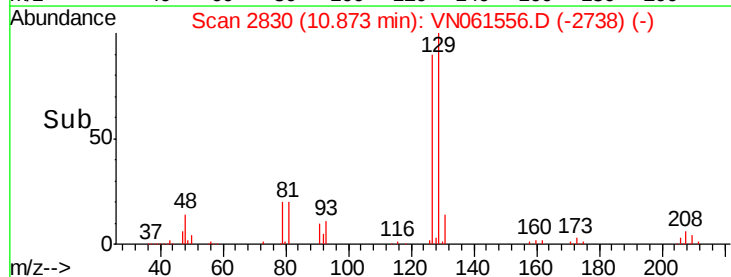
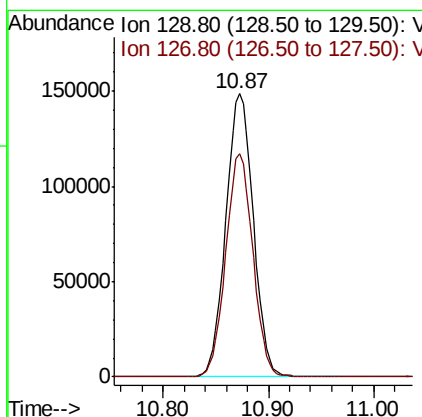
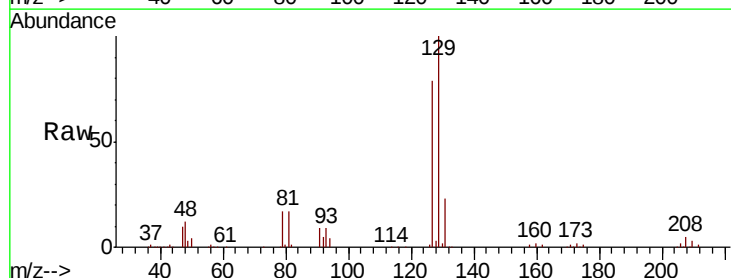
Instrument :
MSVOA_N
ClientSampleId :

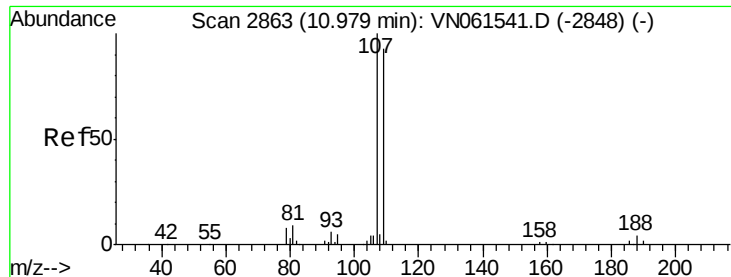
Tot Ion: 43 Resp: 806121
Ion Ratio Lower Upper
43 100
58 61.5 30.7 92.1



#60
Dibromochloromethane
Concen: 53.282 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 129 Resp: 267570
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.3

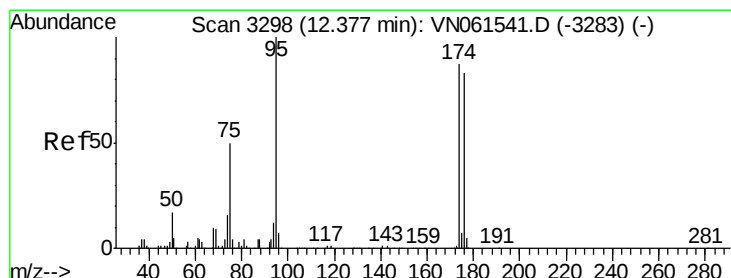
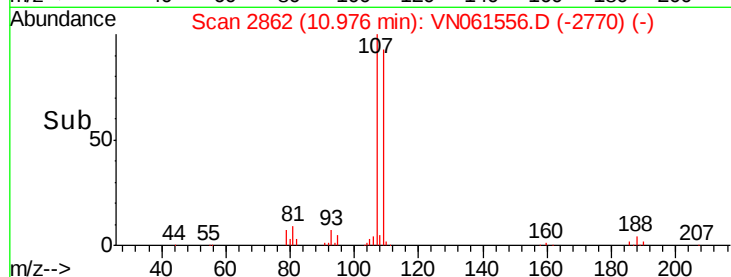
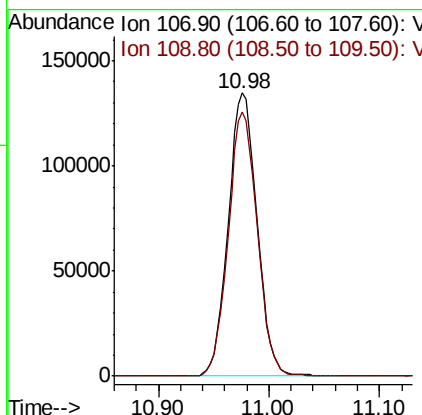
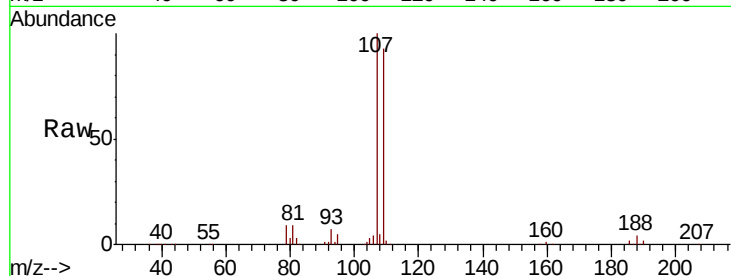




#61
 1,2-Dibromoethane
 Concen: 52.921 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

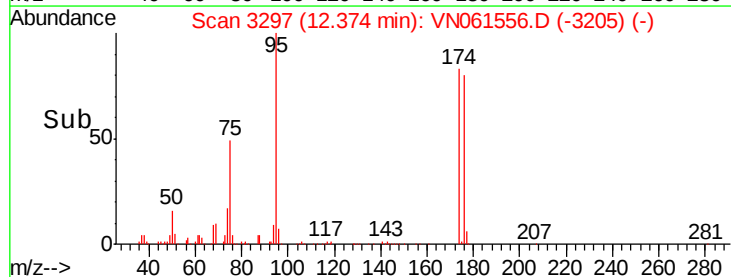
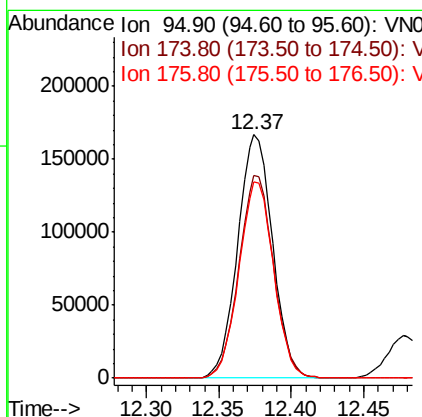
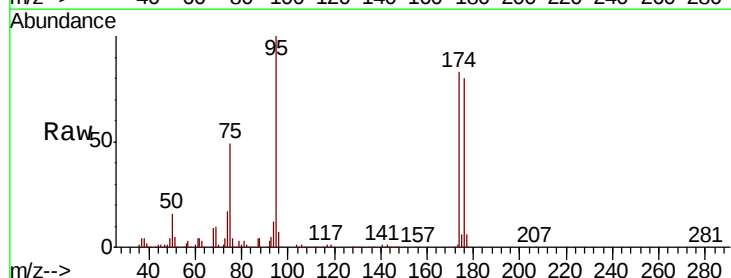
Instrument :
 MSVOA_N
 ClientSampleId :

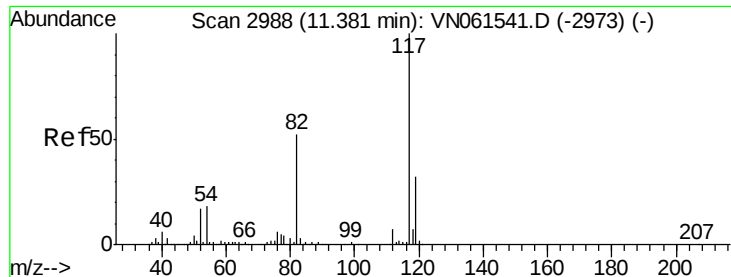
Tot Ion: 107 Resp: 243806
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 52.326 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 95 Resp: 279102
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 172.8
 176 80.4 0.0 164.8

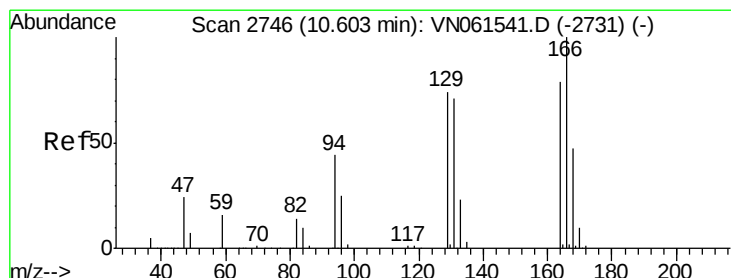
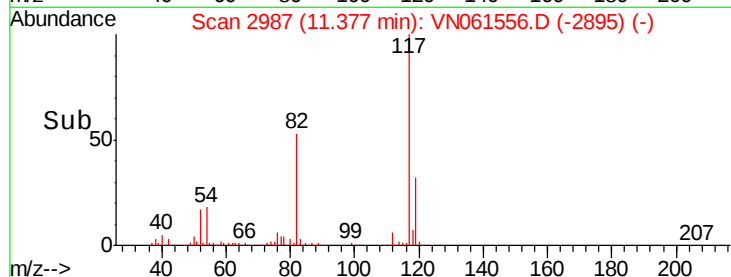
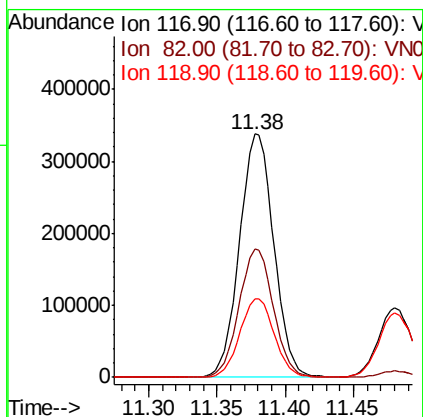
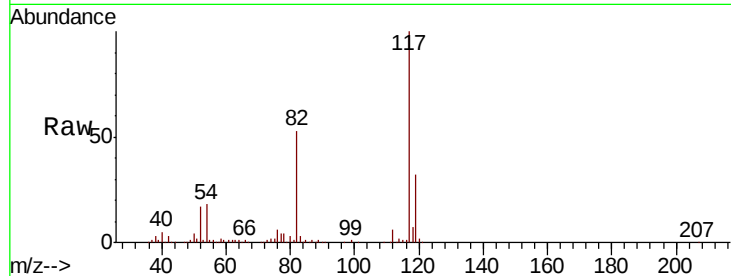




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

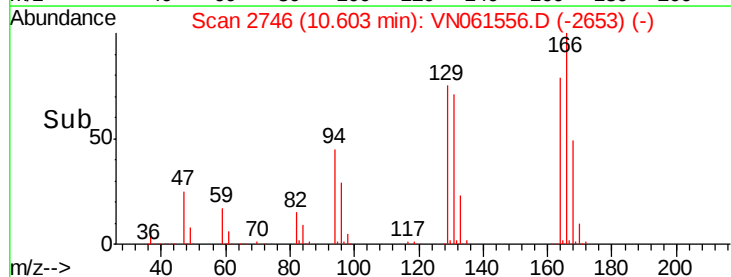
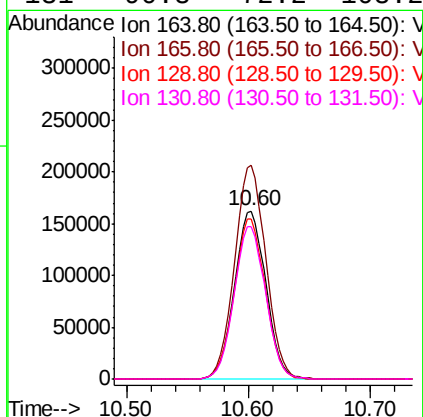
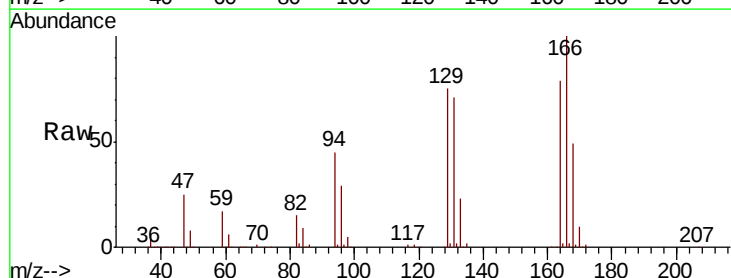
Instrument :
MSVOA_N
ClientSampled :

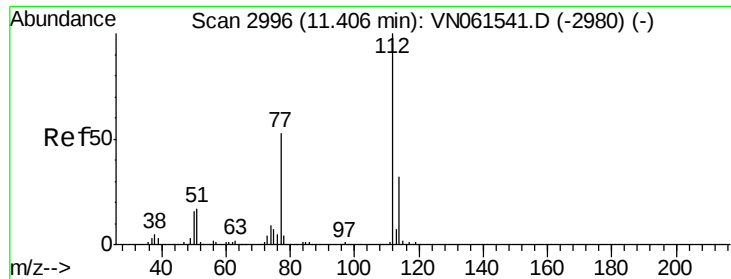
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.5	62.3
119	32.1	25.6	38.4



#64
Tetrachloroethene
Concen: 51.705 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.5	152.3
129	95.2	74.9	112.3
131	90.8	72.2	108.2

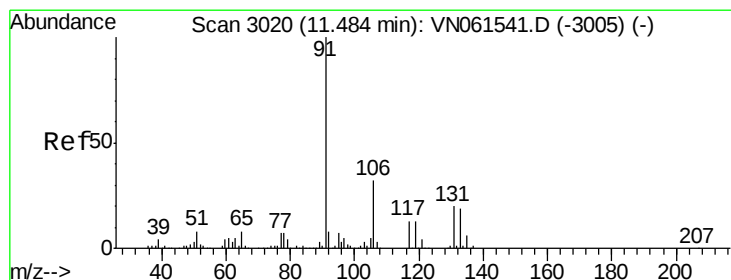
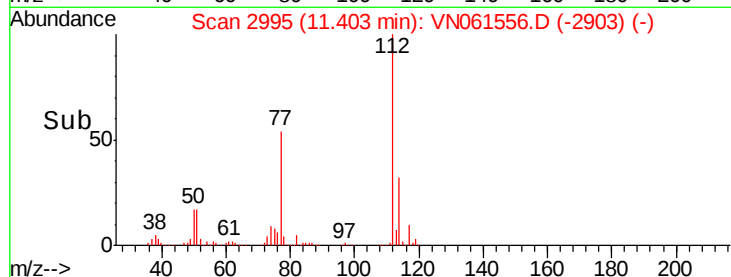
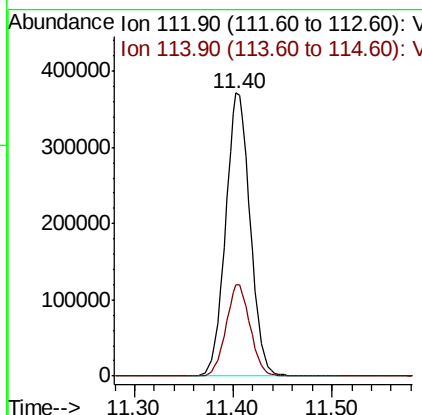
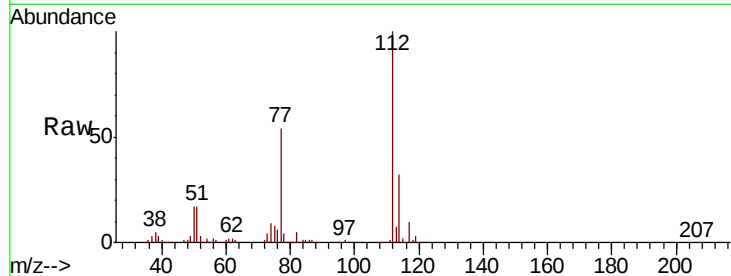




#65
Chlorobenzene
Concen: 52.546 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

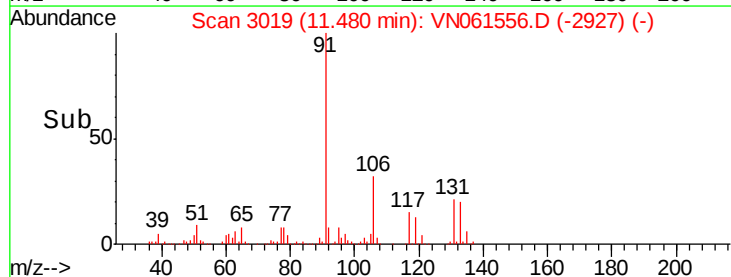
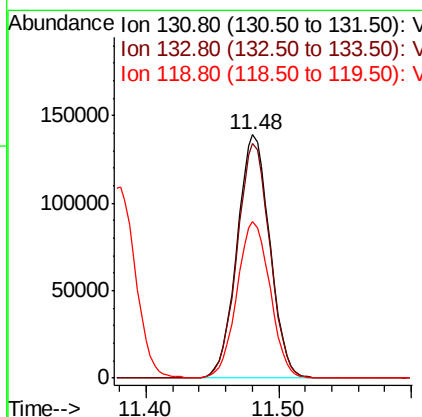
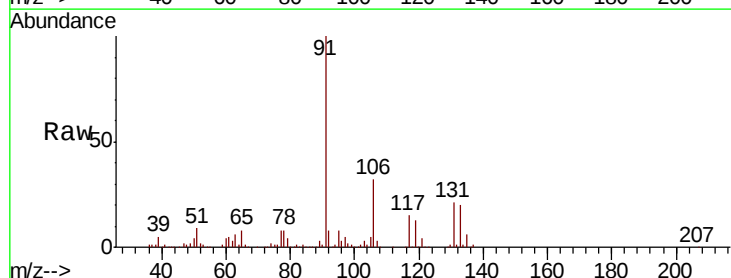
Instrument :
MSVOA_N
ClientSampled :

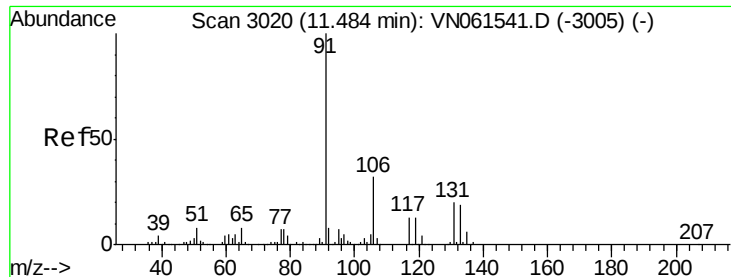
Tot Ion:112 Resp: 646199
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.194 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion:131 Resp: 238999
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 65.1 32.6 97.8

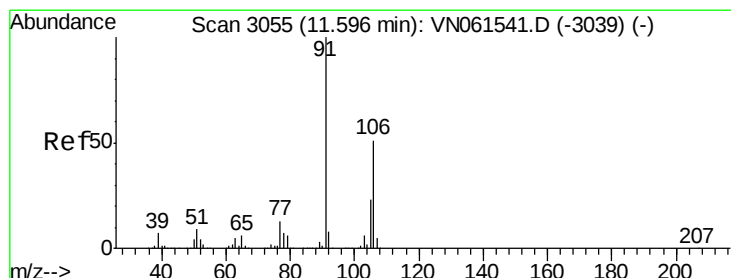
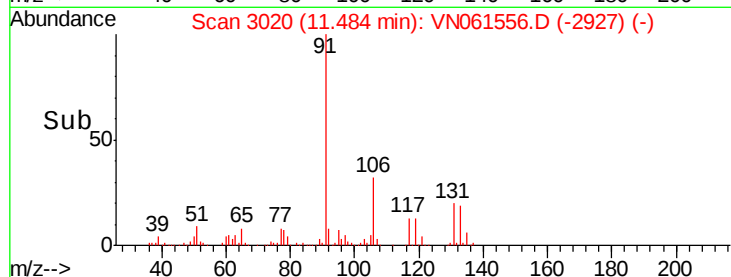
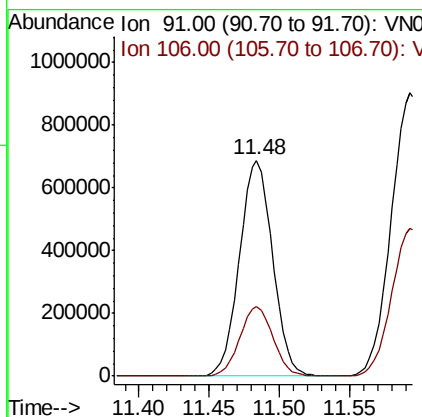
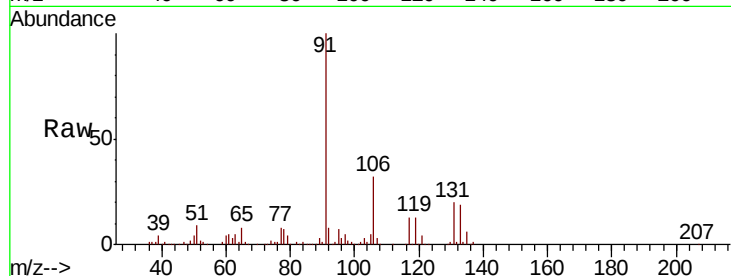




#67
Ethyl Benzene
Concen: 53.462 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

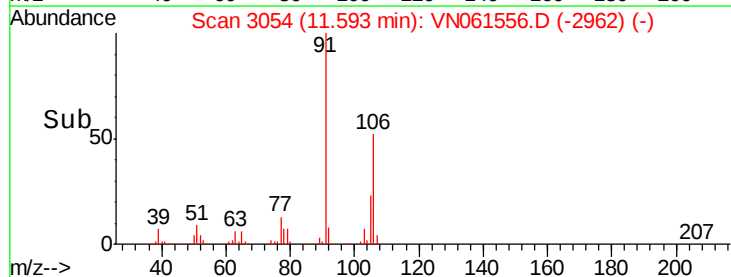
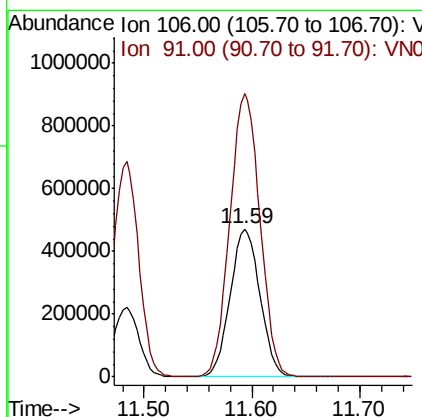
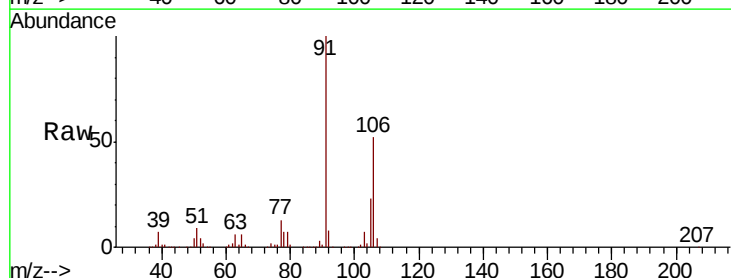
Instrument :
MSVOA_N
ClientSampled :

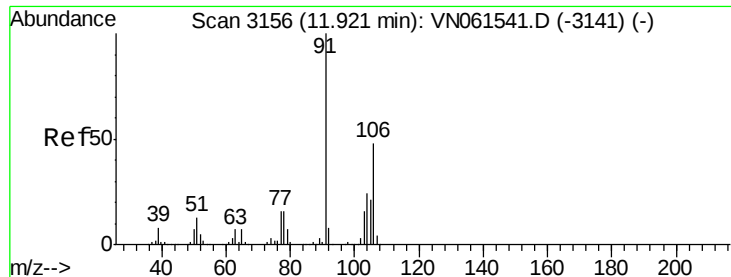
Tot Ion: 91 Resp: 1136350
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4



#68
m/p-Xylenes
Concen: 107.534 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 106 Resp: 906272
Ion Ratio Lower Upper
106 100
91 193.8 156.2 234.4

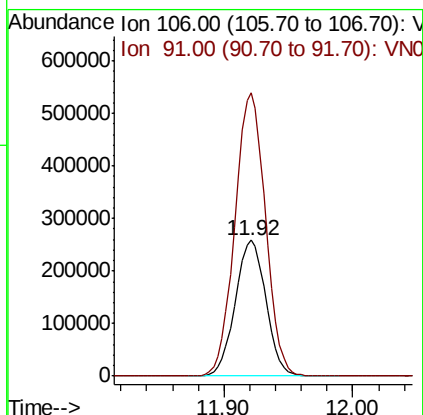
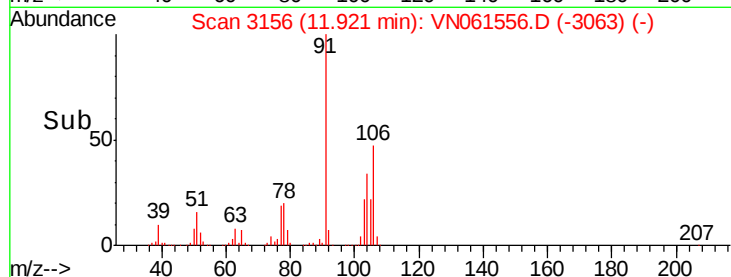
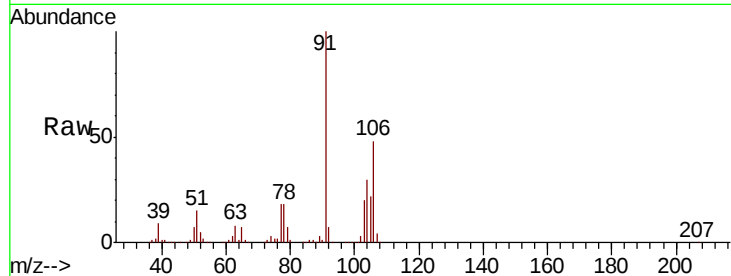




#69
o-Xylene
Concen: 53.456 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

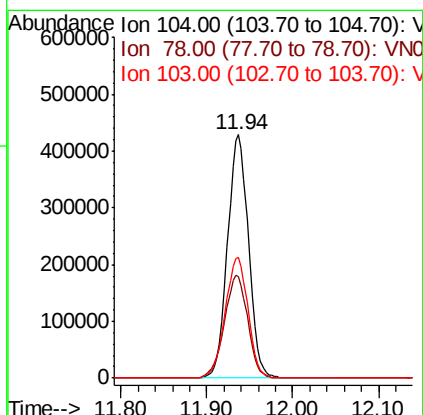
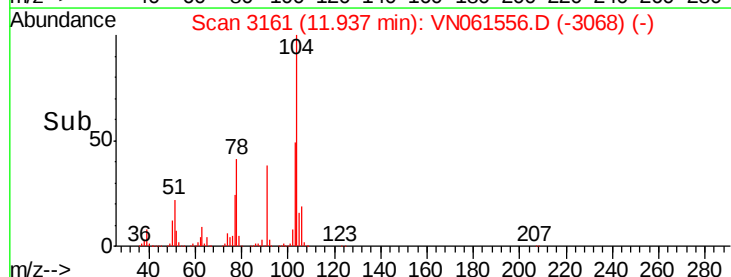
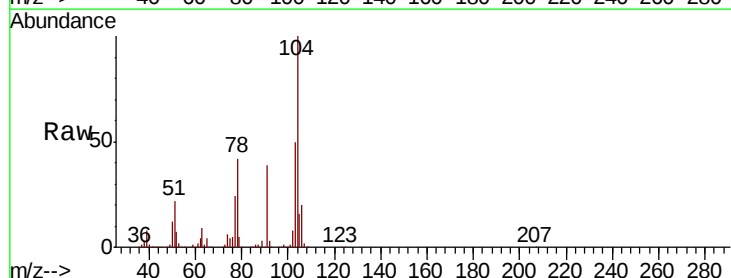
Instrument :
MSVOA_N
ClientSampled :

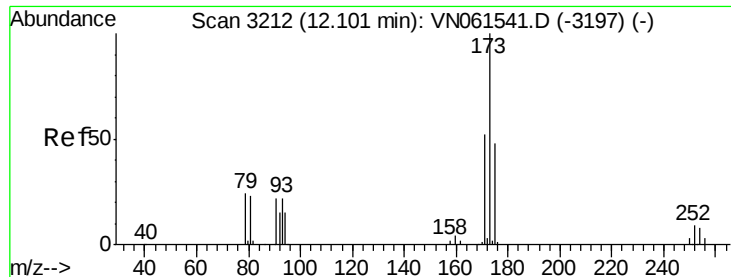
Tot Ion:106 Resp: 427904
Ion Ratio Lower Upper
106 100
91 207.4 103.3 309.8



#70
Styrene
Concen: 54.841 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion:104 Resp: 726981
Ion Ratio Lower Upper
104 100
78 46.9 37.4 56.0
103 54.0 42.3 63.5





#71

Bromoform

Concen: 51.726 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampled :

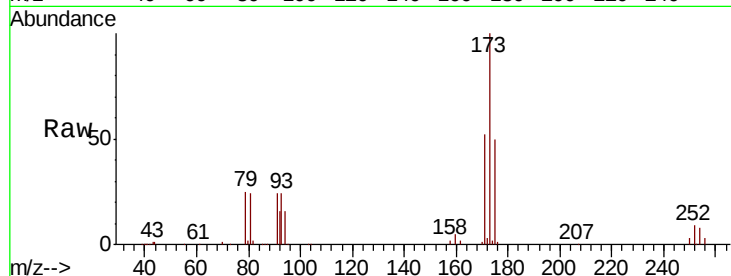
Tot Ion:173 Resp: 182511

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.2

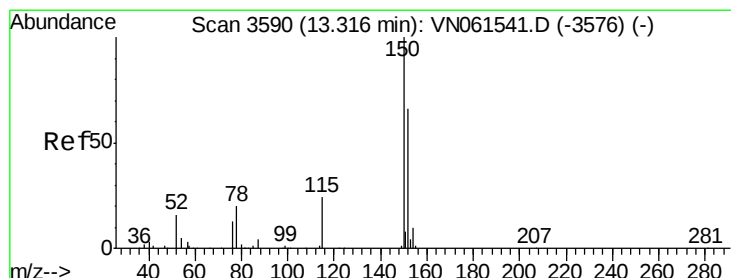
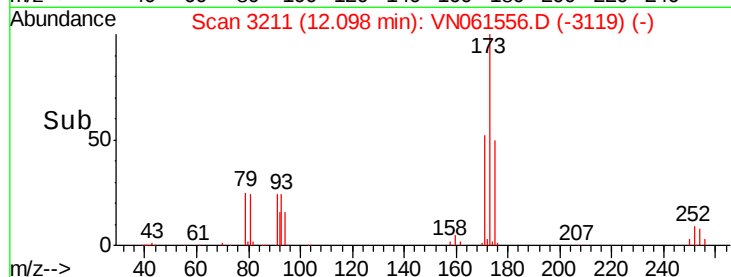
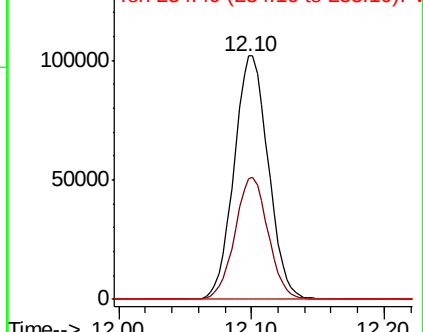
254 0.0 0.0 0.0



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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

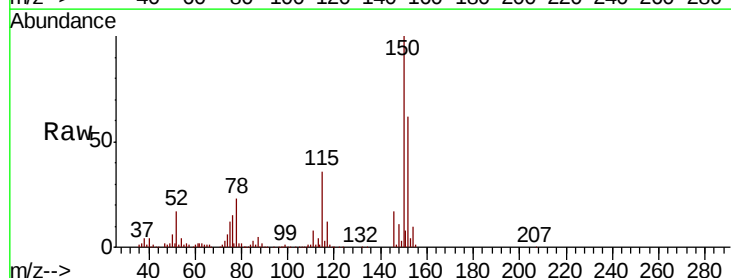
Tgt Ion:152 Resp: 300183

Ion Ratio Lower Upper

152 100

115 57.7 28.0 84.0

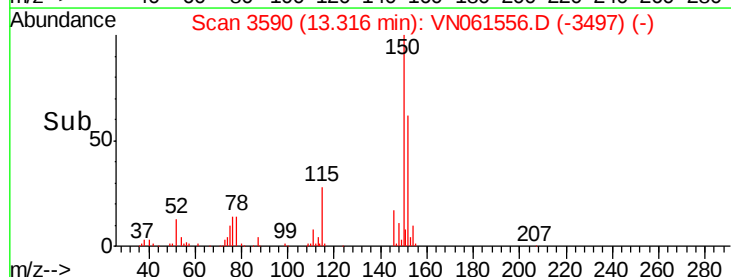
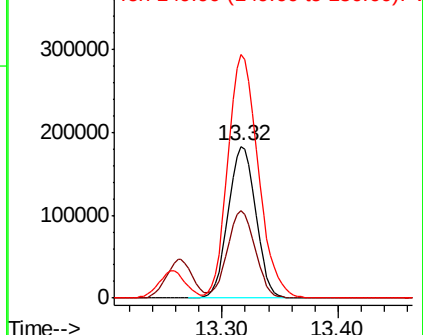
150 177.4 0.0 344.0

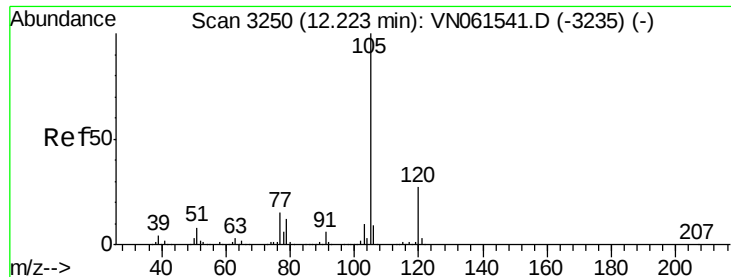


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.973 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

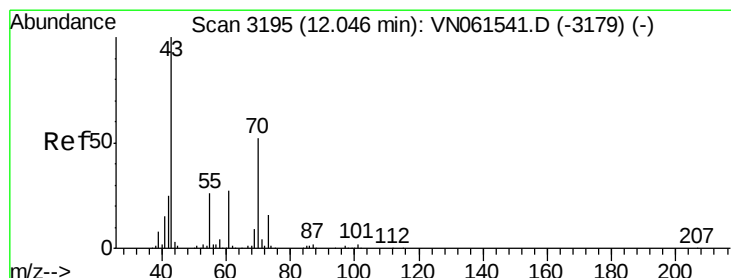
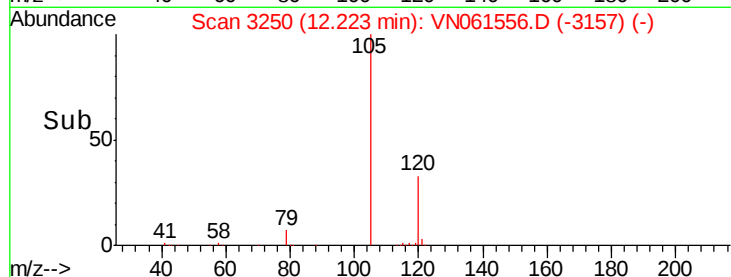
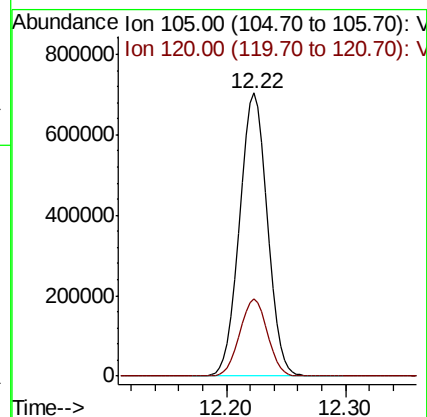
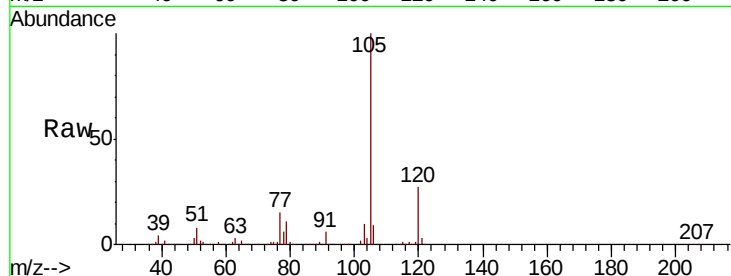
ClientSampleId :

Tot Ion:105 Resp: 1138689

Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3



#74

N-ethyl acetate

Concen: 50.286 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion: 43 Resp: 346962

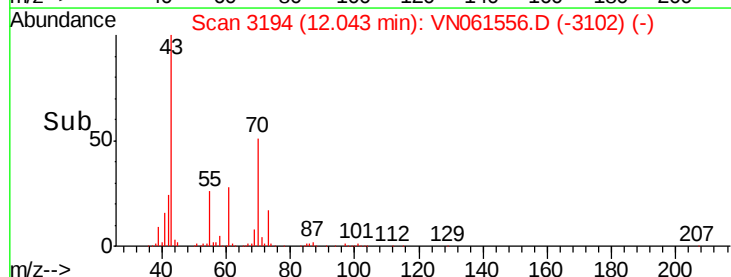
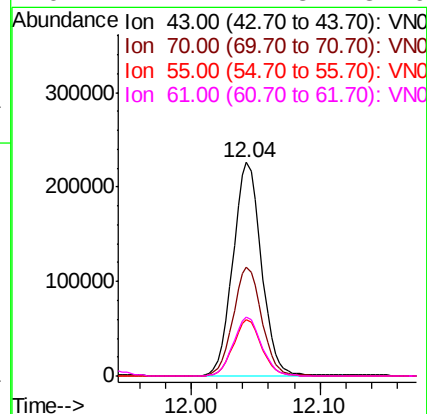
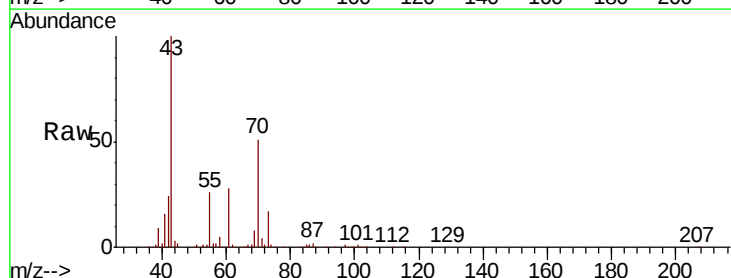
Ion Ratio Lower Upper

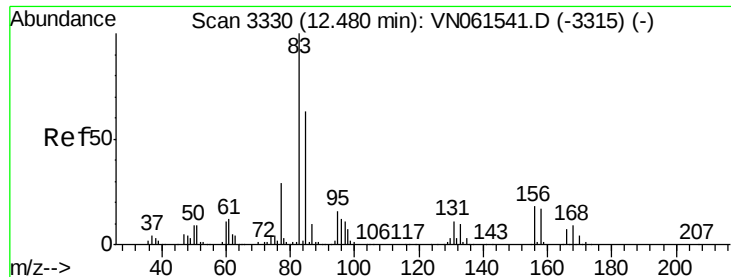
43 100

70 51.1 40.5 60.7

55 26.1 20.6 31.0

61 27.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.017 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

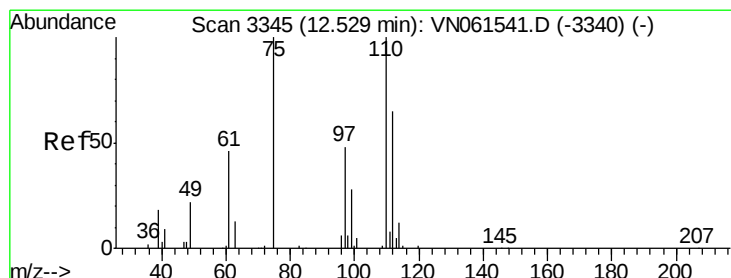
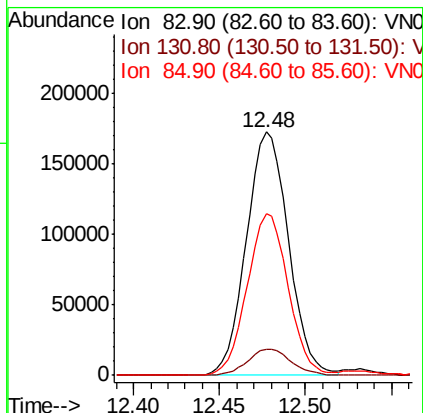
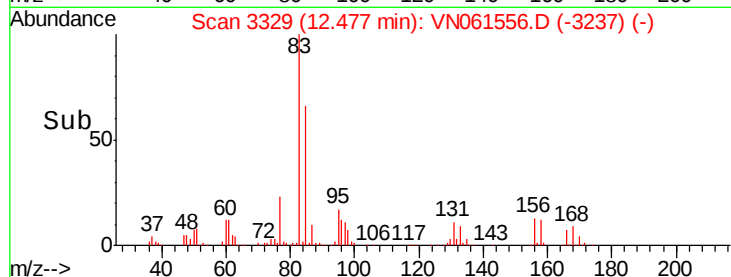
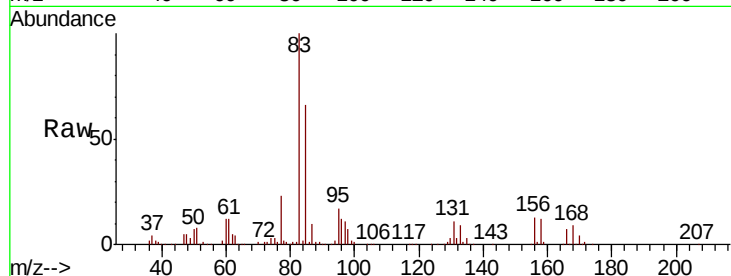
Tot Ion: 83 Resp: 294813

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.5

85 64.4 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 71.981 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061556.D

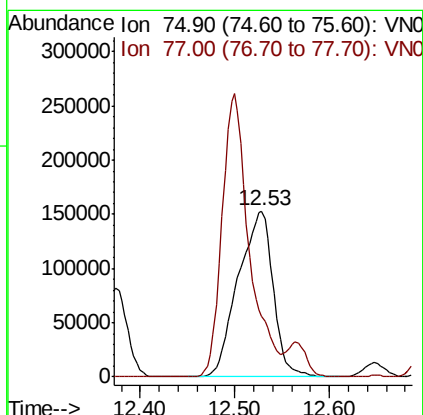
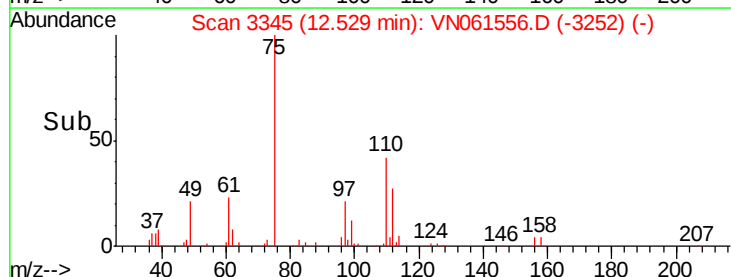
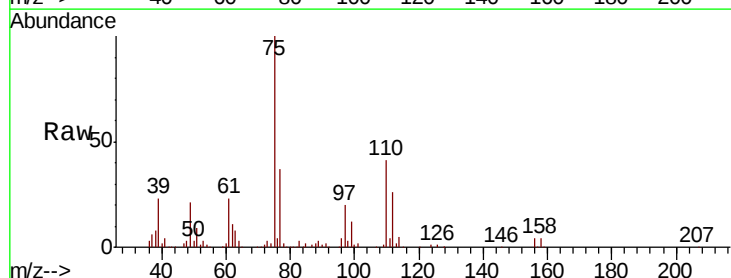
Acq: 29 May 2020 10:26

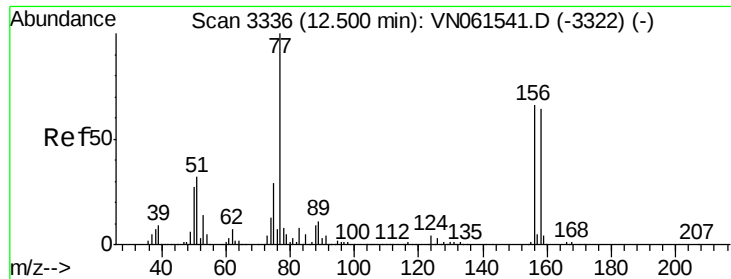
Tgt Ion: 75 Resp: 392906

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.165 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampled :

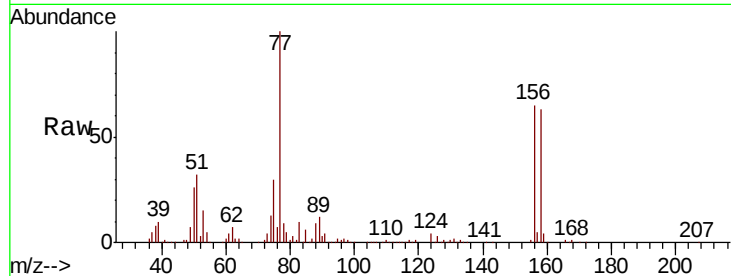
Tot Ion:156 Resp: 286142

Ion Ratio Lower Upper

156 100

77 182.5 90.9 272.7

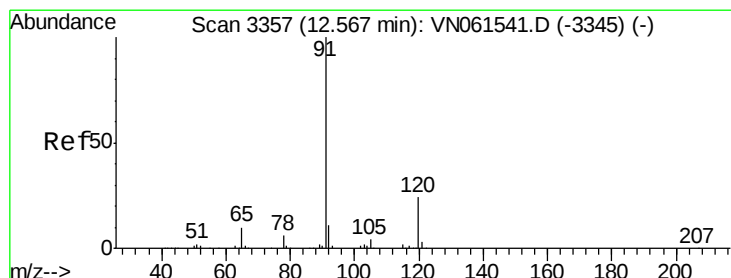
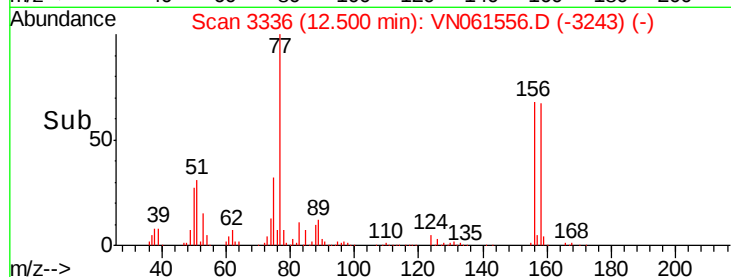
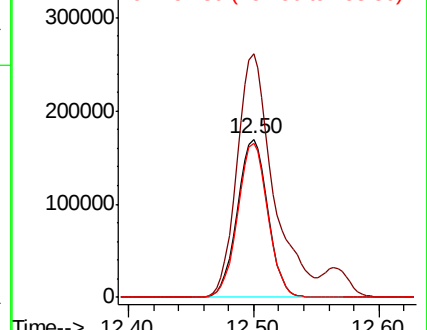
158 96.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.949 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061556.D

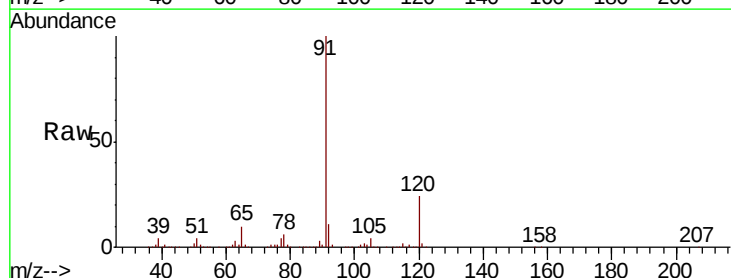
Acq: 29 May 2020 10:26

Tgt Ion: 91 Resp: 1295085

Ion Ratio Lower Upper

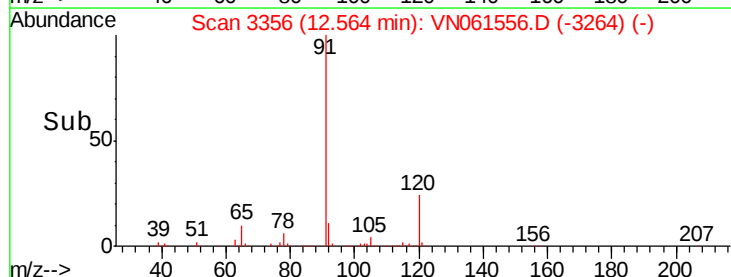
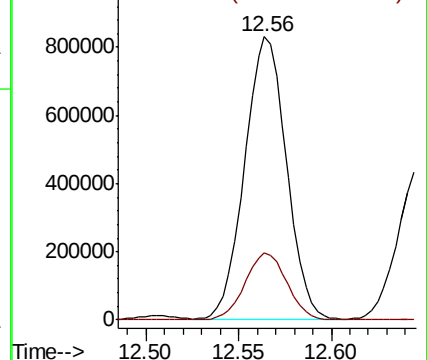
91 100

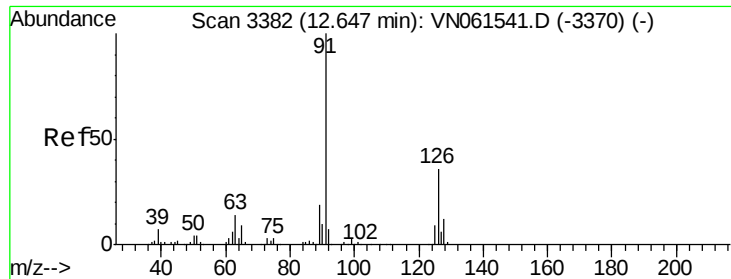
120 23.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

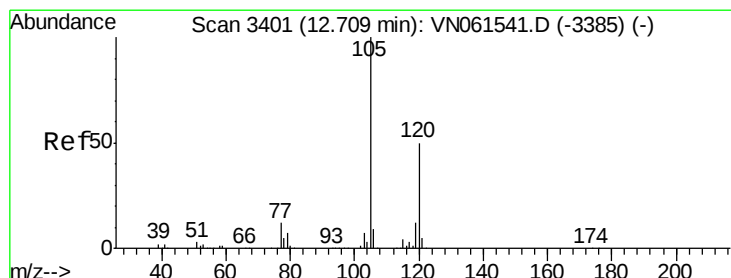
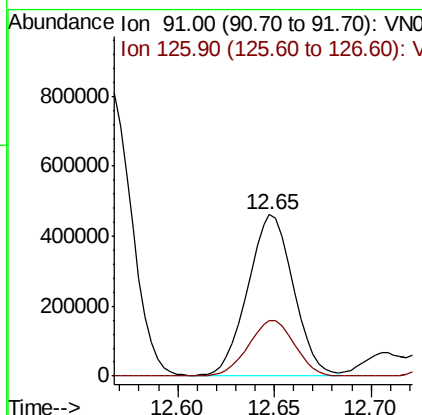
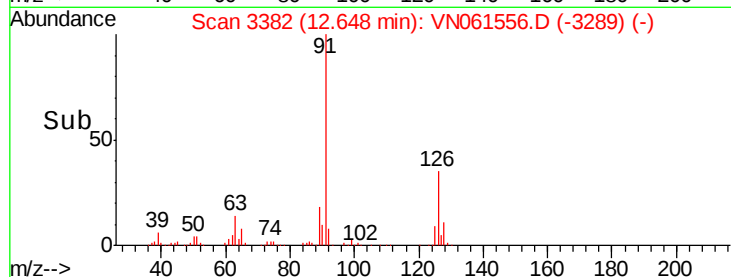
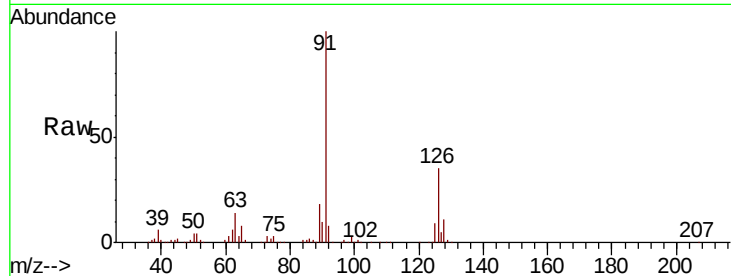




#79
 2-Chlorotoluene
 Concen: 51.547 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

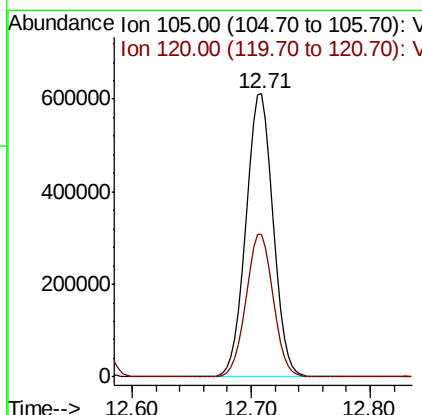
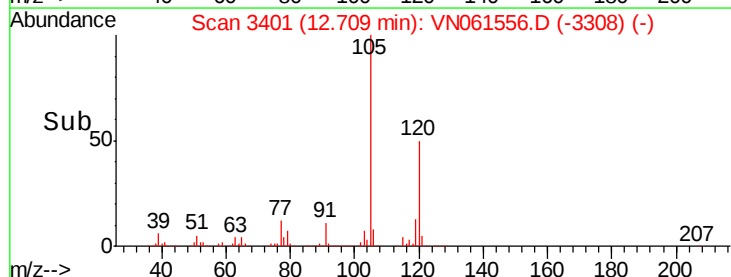
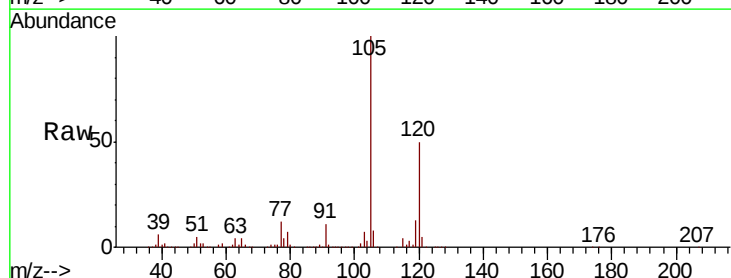
Instrument :
 MSVOA_N
 ClientSampleId :

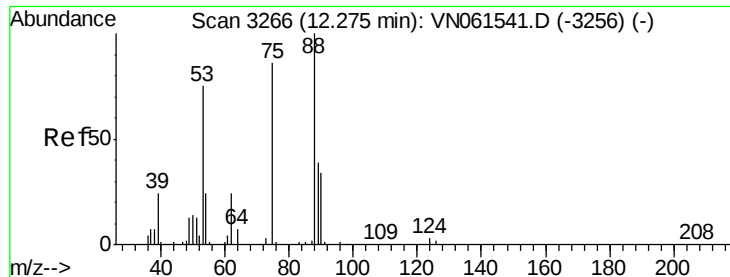
Tot Ion: 91 Resp: 751797
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 52.725 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 105 Resp: 965507
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.424 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

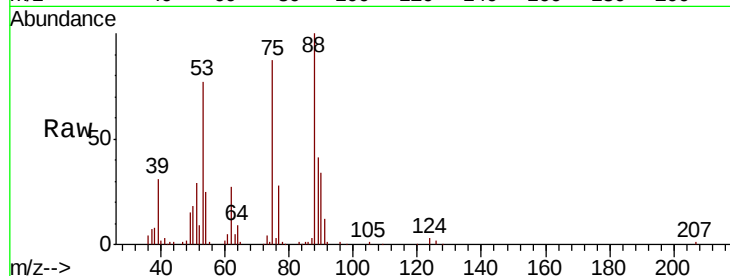
Tot Ion: 75 Resp: 105495

Ion Ratio Lower Upper

75 100

53 89.2 67.8 101.8

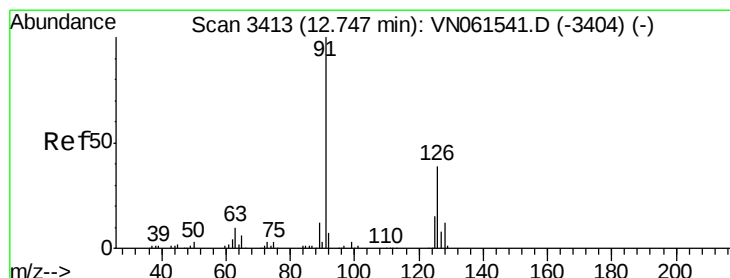
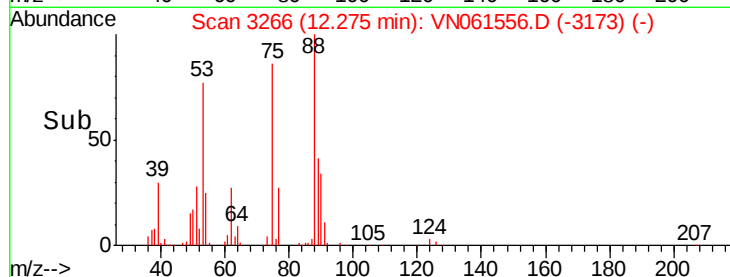
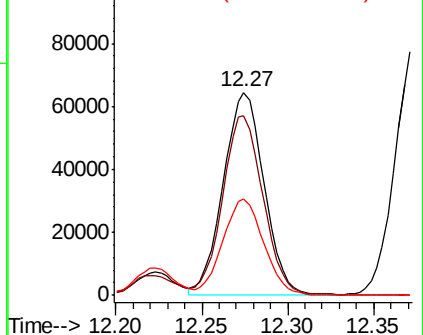
89 48.0 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061541.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061541.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 51.511 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061556.D

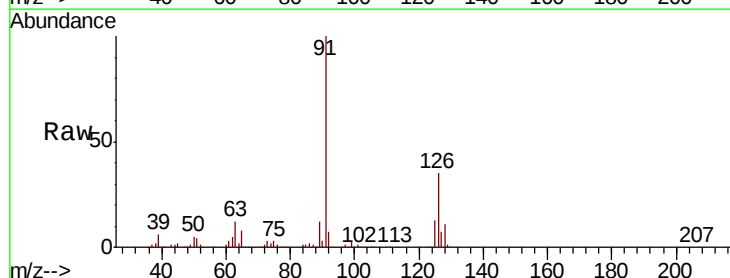
Acq: 29 May 2020 10:26

Tgt Ion: 91 Resp: 790345

Ion Ratio Lower Upper

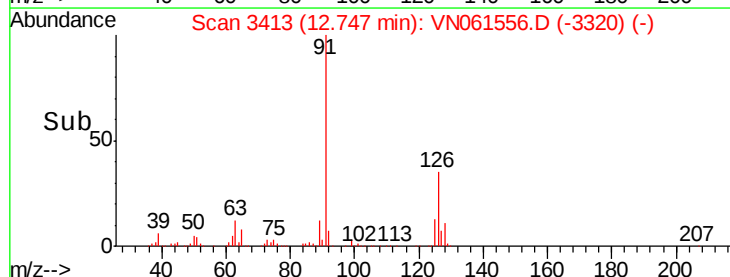
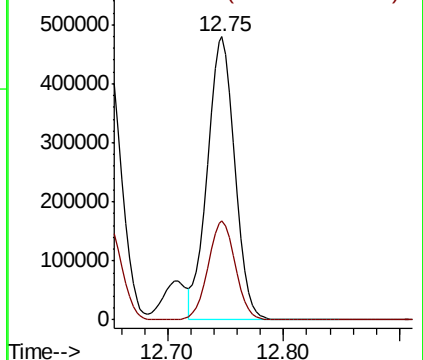
91 100

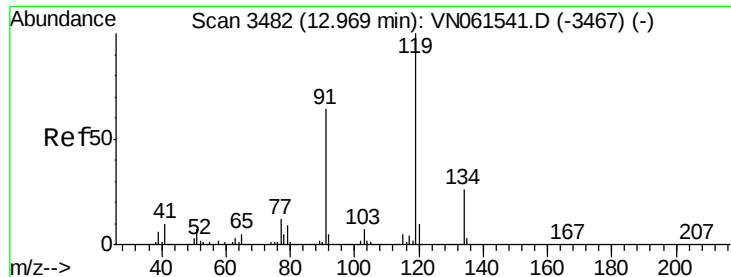
126 34.9 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3404) (-)

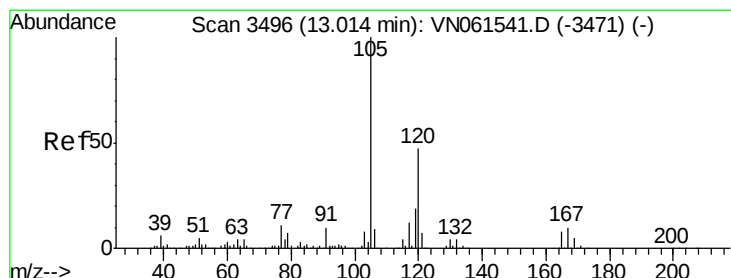
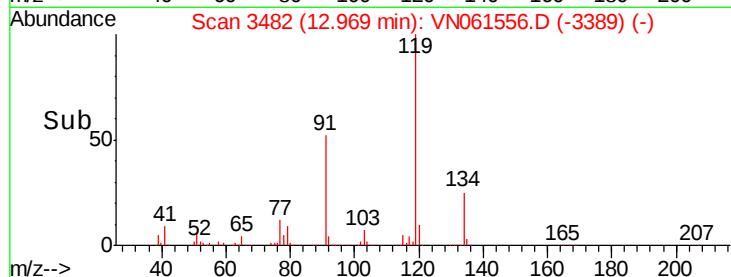
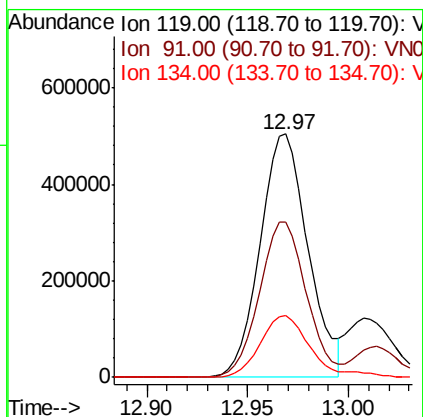
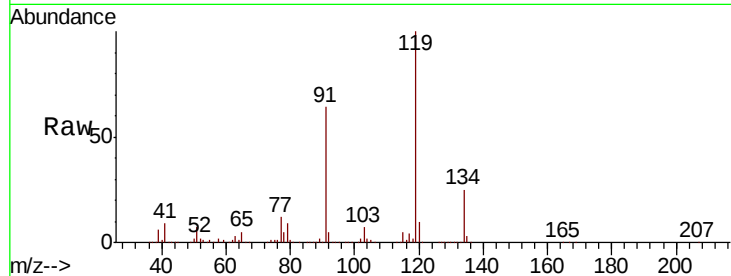




#83
tert-Butylbenzene
Concen: 51.680 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

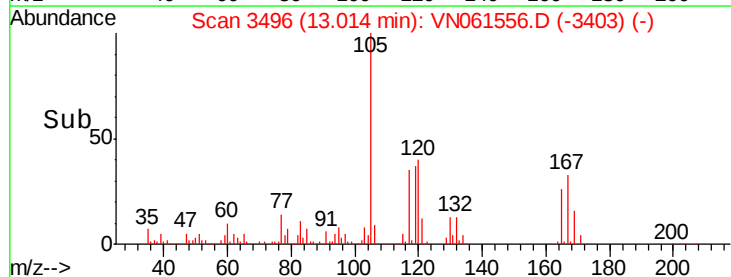
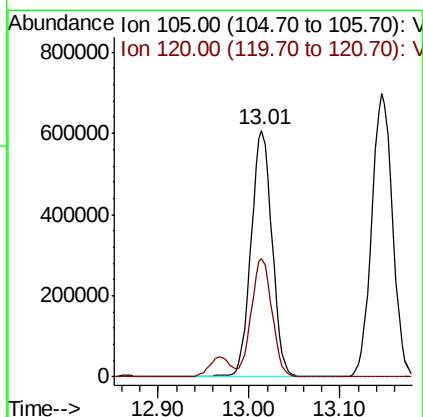
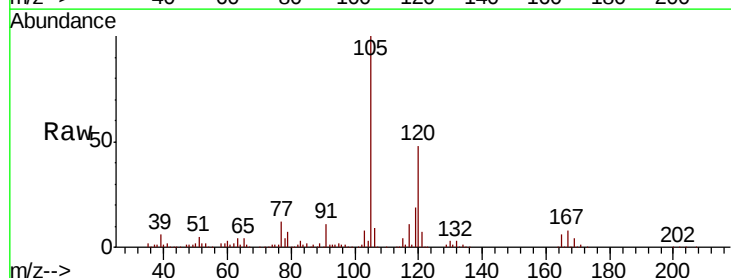
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 836161
Ion Ratio Lower Upper
119 100
91 62.5 31.3 93.8
134 26.5 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 53.505 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion:105 Resp: 973374
Ion Ratio Lower Upper
105 100
120 47.4 23.2 69.5





#85

sec-Butylbenzene

Concen: 53.128 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

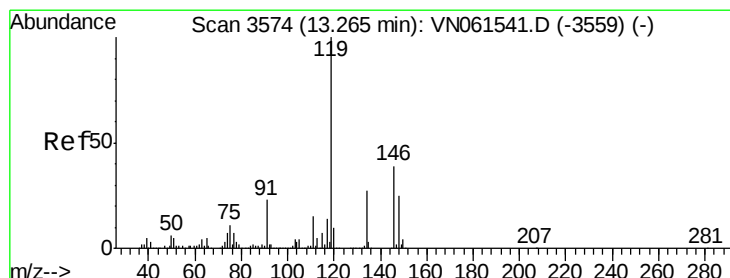
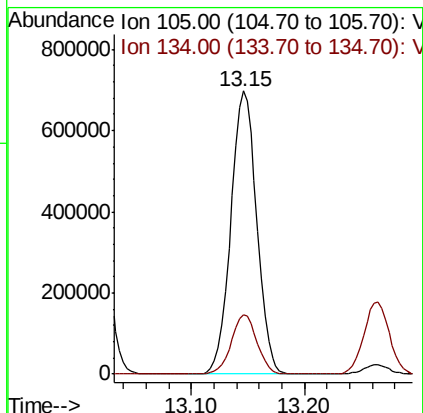
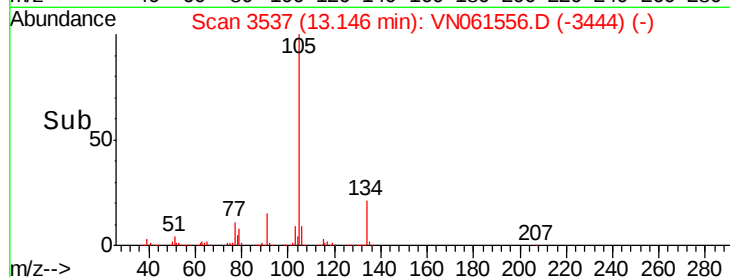
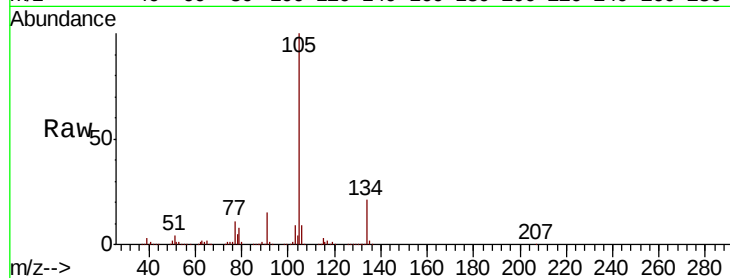
ClientSampleId :

Tot Ion:105 Resp: 1107668

Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9



#86

p-Isopropyltoluene

Concen: 54.029 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

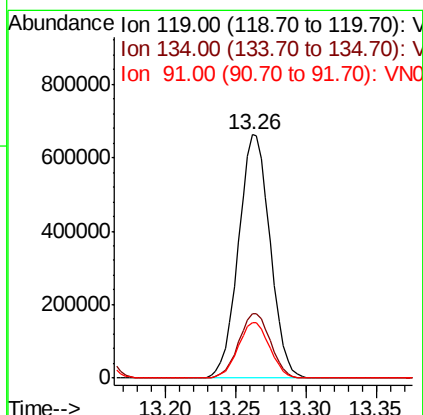
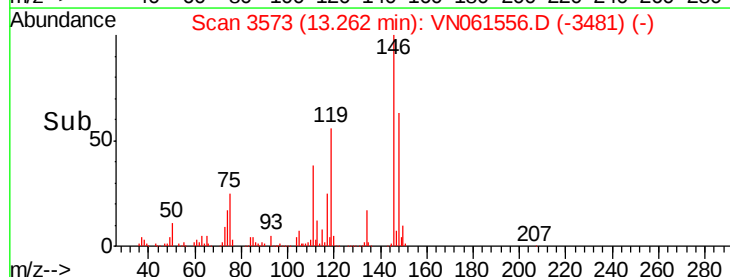
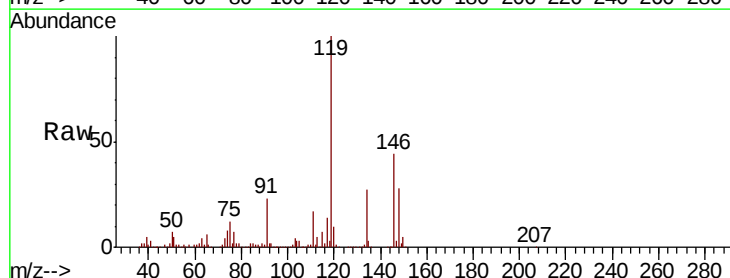
Tgt Ion:119 Resp: 1037356

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.7 11.4 34.1

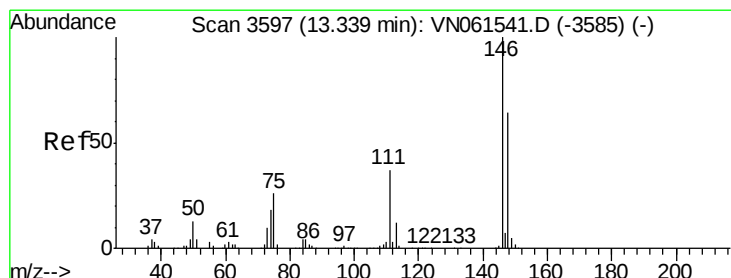
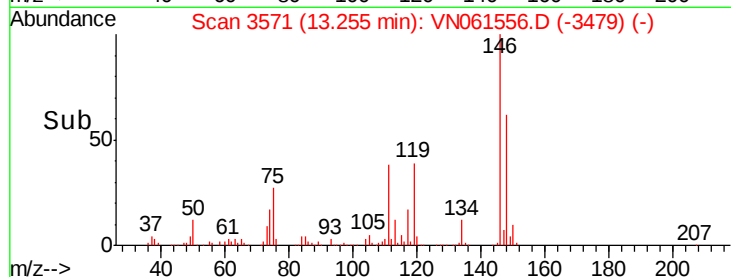
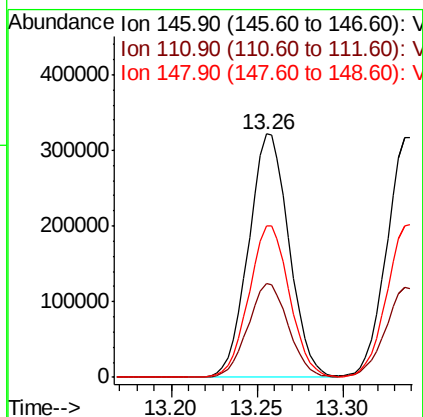
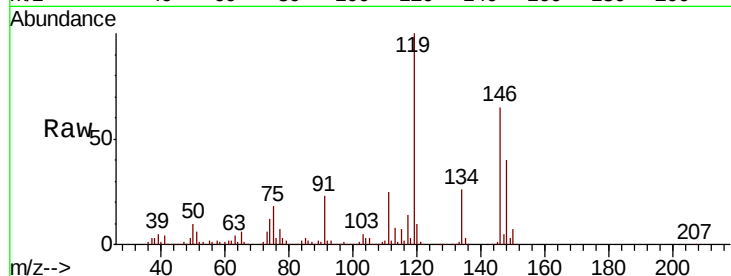




#87
 1,3-Dichlorobenzene
 Concen: 53.004 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

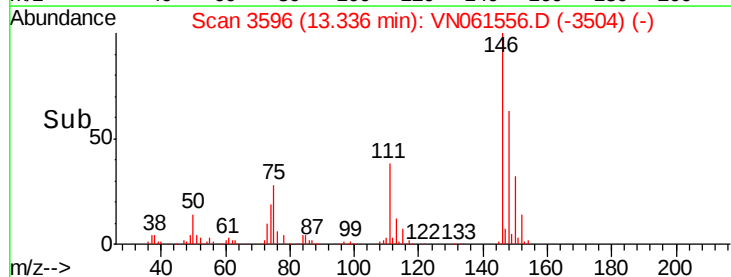
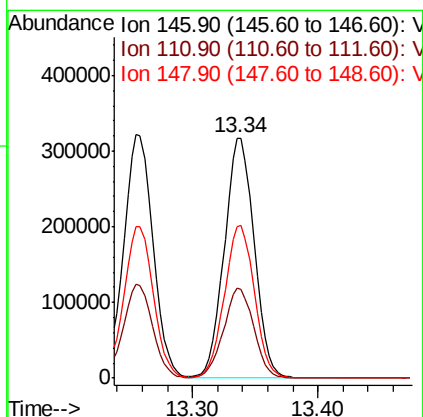
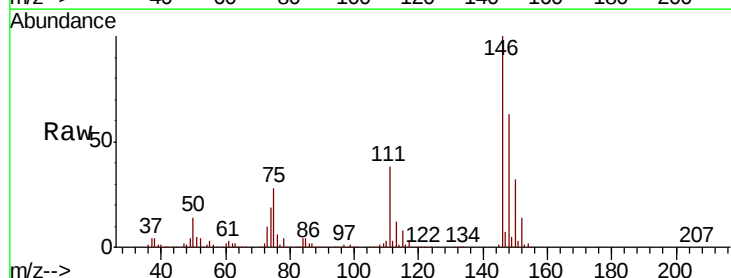
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 524913
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.2 57.6
 148 62.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 51.824 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion:146 Resp: 522842
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 63.8 31.8 95.3





#89

n-Butylbenzene

Concen: 54.501 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

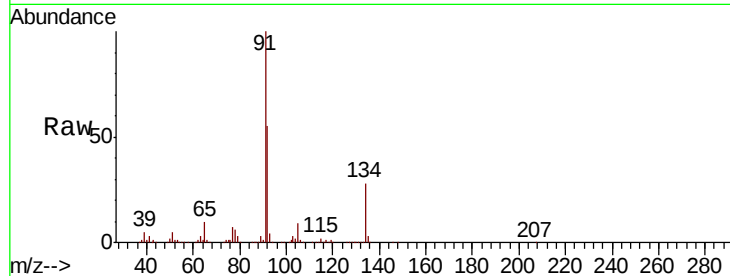
Tot Ion: 91 Resp: 876475

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

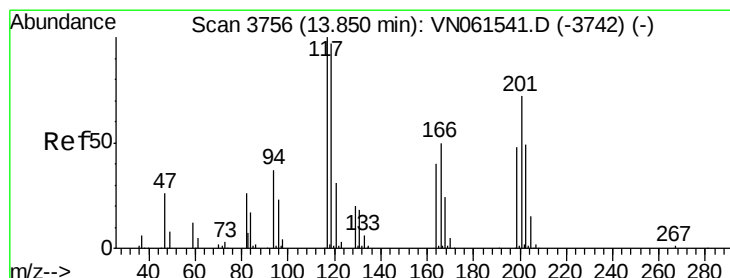
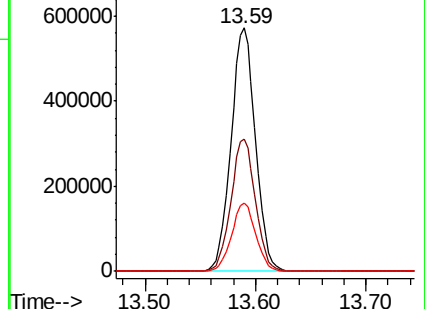
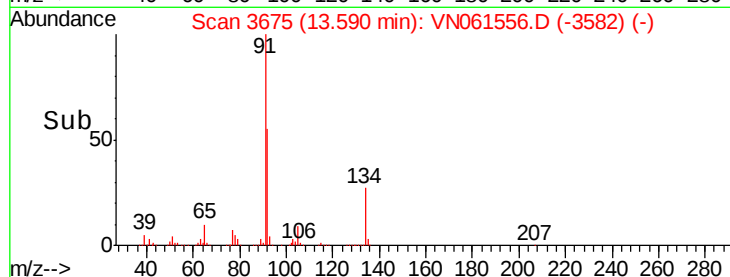
134 27.9 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)



#90

Hexachloroethane

Concen: 58.525 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061556.D

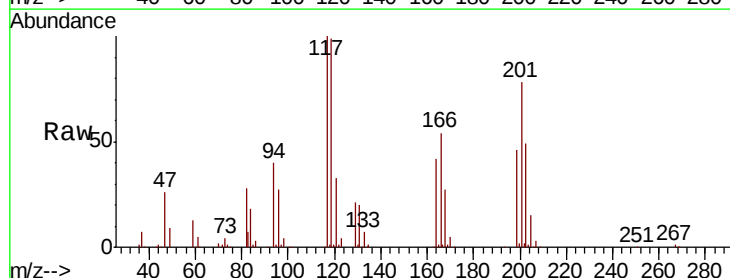
Acq: 29 May 2020 10:26

Tgt Ion: 117 Resp: 124270

Ion Ratio Lower Upper

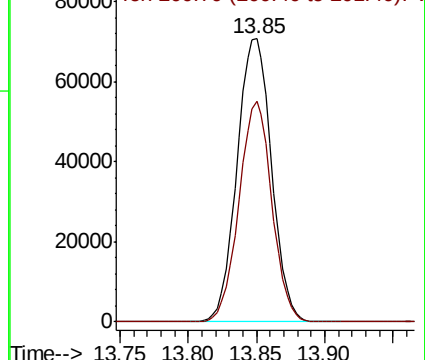
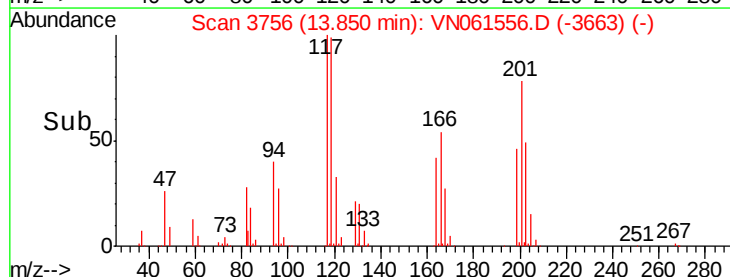
117 100

201 73.9 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

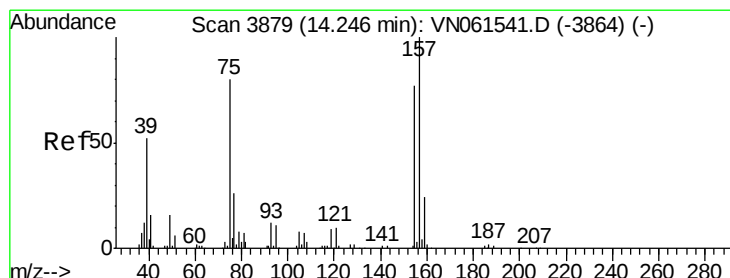
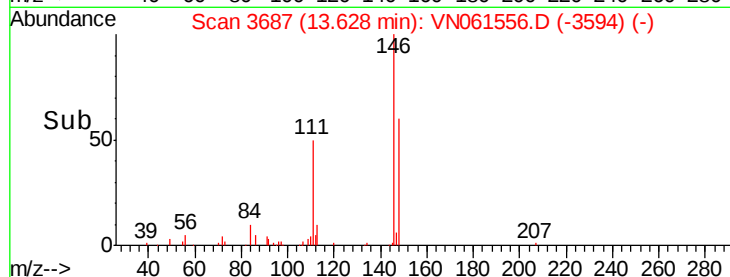
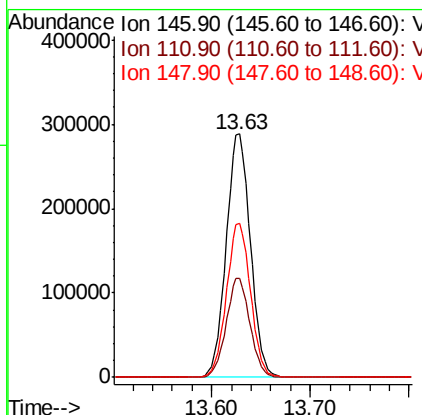
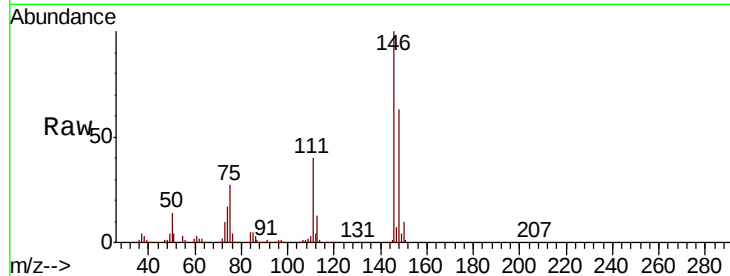




#91
 1,2-Dichlorobenzene
 Concen: 52.490 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

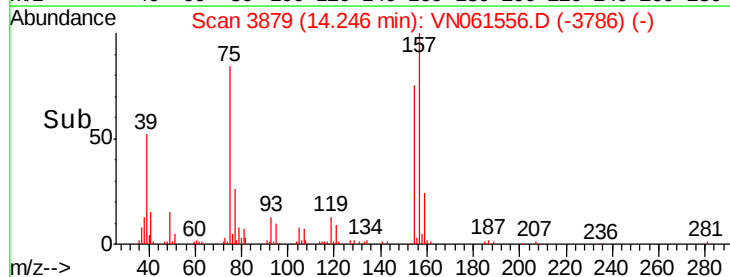
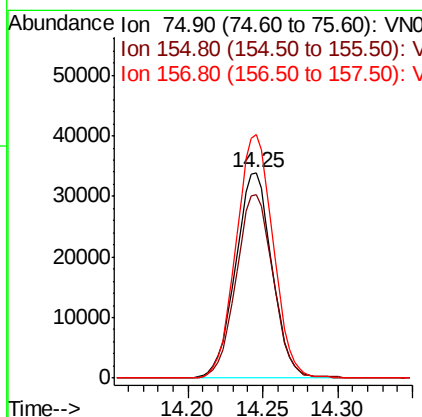
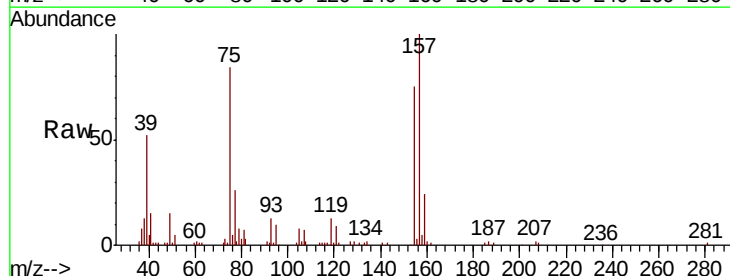
Instrument :
 MSVOA_N
 ClientSampleId :

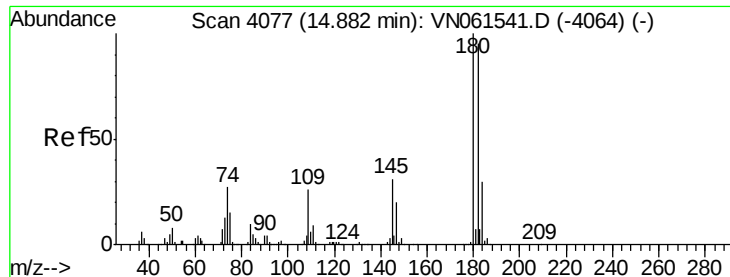
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	62.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.140 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	47.1	141.4
157	120.0	60.3	180.8

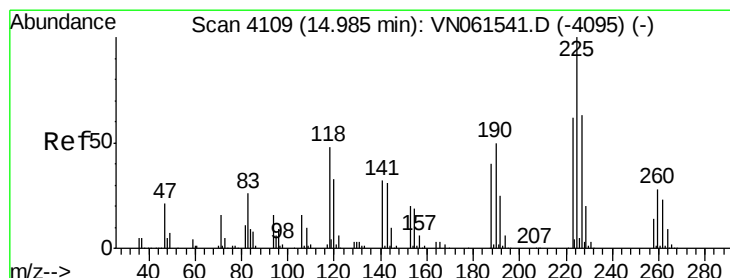
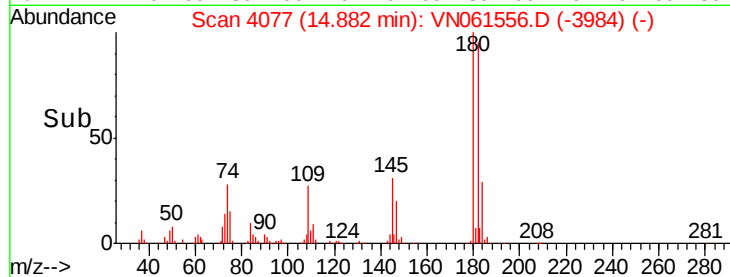
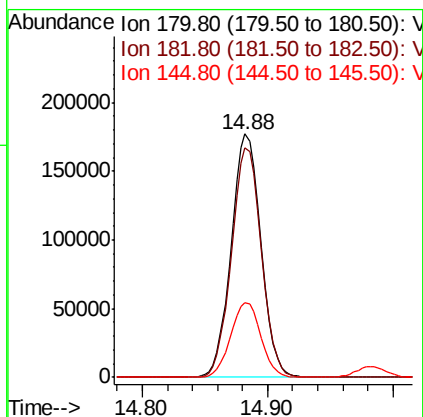
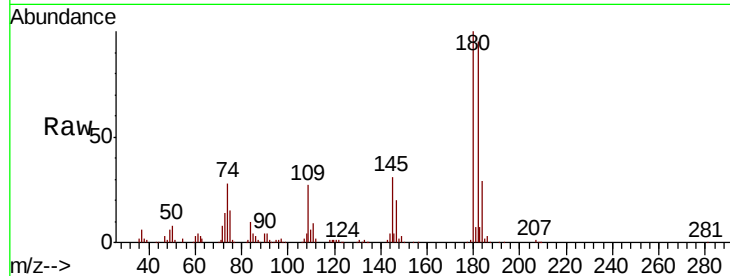




#93
 1,2,4-Trichlorobenzene
 Concen: 52.585 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

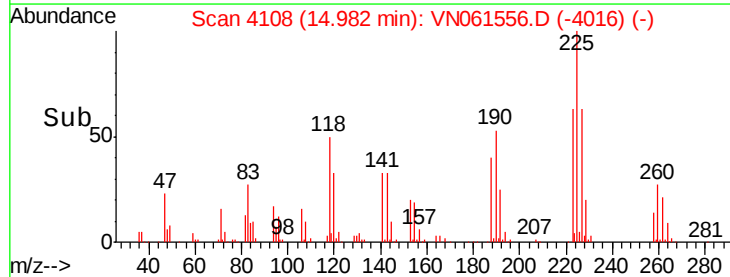
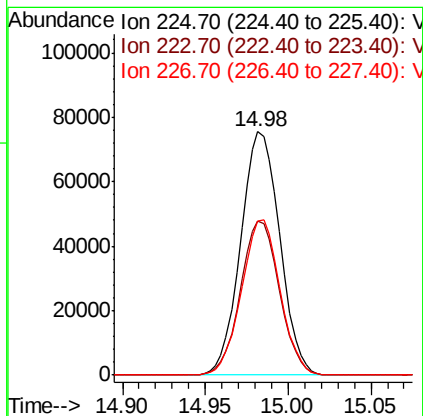
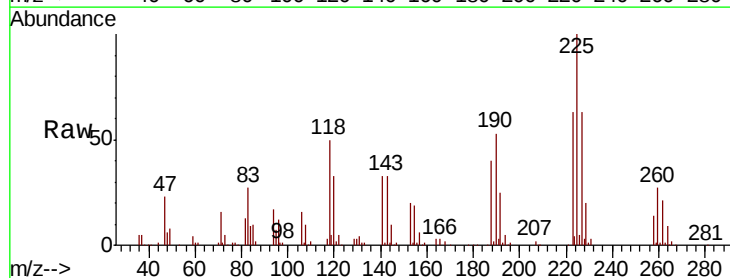
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	31.3	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 52.409 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.5
227	62.9	31.9	95.9





#95

Naphthalene

Concen: 50.881 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

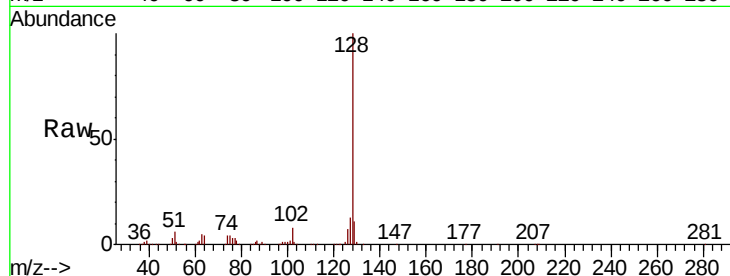
Tot Ion:128 Resp: 857202

Ion Ratio Lower Upper

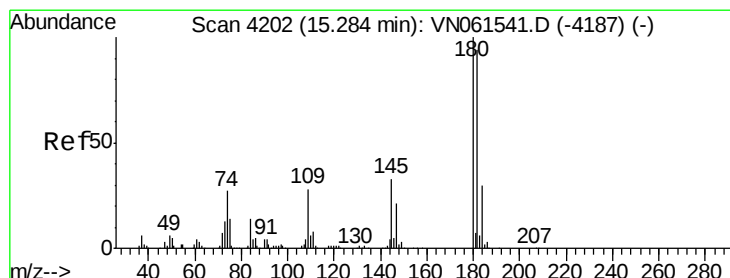
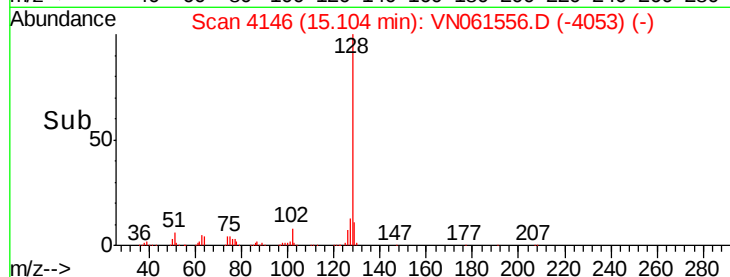
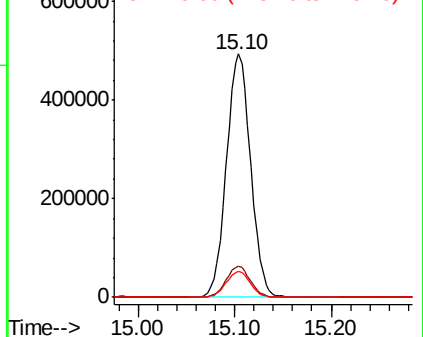
128 100

127 12.8 10.0 15.0

129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.848 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

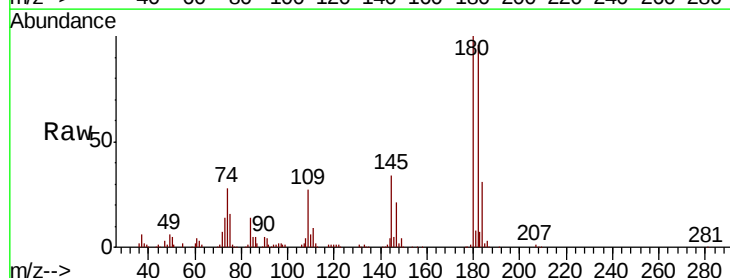
Tgt Ion:180 Resp: 276715

Ion Ratio Lower Upper

180 100

182 95.0 47.1 141.3

145 33.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

