

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061780.D
 Acq On : 12 Jun 2020 10:39
 Operator : JC/MD
 Sample : VN0612WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL01

Quant Time: Jun 13 05:08:29 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	275587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	456001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	432450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169279	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	148162	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
35) Dibromofluoromethane	7.54	113	130883	56.58	ug/l	0.00
Spiked Amount			Recovery	=	113.16%	
50) Toluene-d8	10.06	98	537559	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.38	95	172143	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

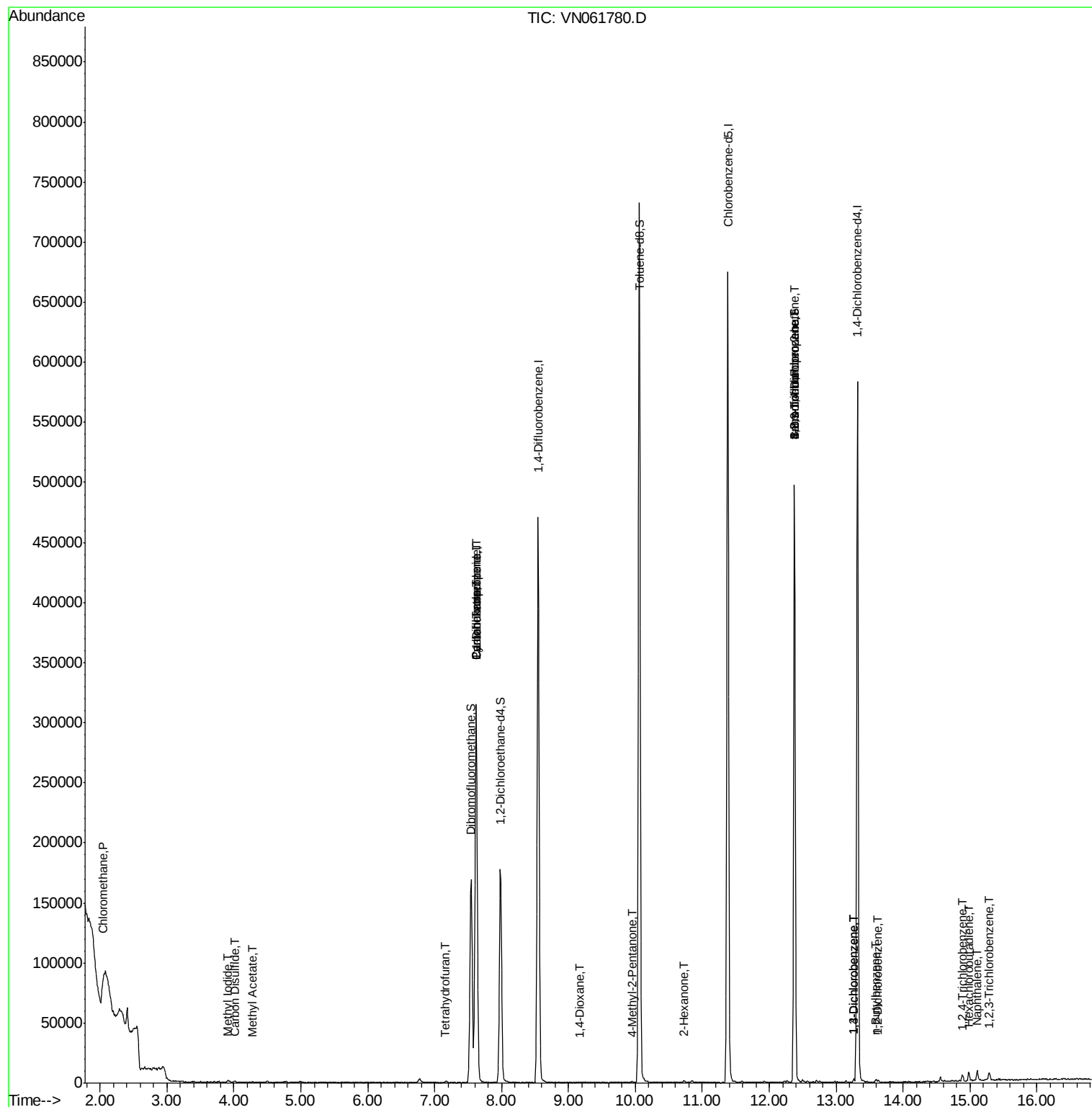
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2480	0.738	ug/l	95
10) Methyl Iodide	3.92	142	1648	0.450	ug/l #	51
16) Acetone	3.78	43	1119	Below Cal	#	41
17) Carbon Disulfide	4.01	76	1821	0.294	ug/l #	74
18) Methyl Acetate	4.28	43	1132	0.381	ug/l #	46
20) Methylene Chloride	4.50	84	633	Below Cal	#	46
29) Tetrahydrofuran	7.15	42	243	0.237	ug/l #	89
31) Cyclohexane	7.62	56	4839	1.046	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	18493	4.581	ug/l #	48
38) Carbon Tetrachloride	7.62	117	25415	6.527	ug/l #	16
49) 1,4-Dioxane	9.17	88	254	6.230	ug/l #	29
51) 4-Methyl-2-Pentanone	9.96	43	907	0.275	ug/l #	58
59) 2-Hexanone	10.74	43	1098	0.464	ug/l	90
71) Bromoform	12.38	173	1034	0.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	83199	27.029	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	83199	69.120	ug/l #	15
87) 1,3-Dichlorobenzene	13.26	146	1216	0.218	ug/l	87
88) 1,4-Dichlorobenzene	13.26	146	1216	0.214	ug/l	87
89) n-Butylbenzene	13.59	91	2046	0.226	ug/l #	80
91) 1,2-Dichlorobenzene	13.62	146	1090	0.204	ug/l	95
93) 1,2,4-Trichlorobenzene	14.89	180	2241	0.718	ug/l	96
94) Hexachlorobutadiene	14.98	225	1586	1.191	ug/l	93
95) Naphthalene	15.11	128	8846	0.931	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.28	180	3191	1.040	ug/l	89

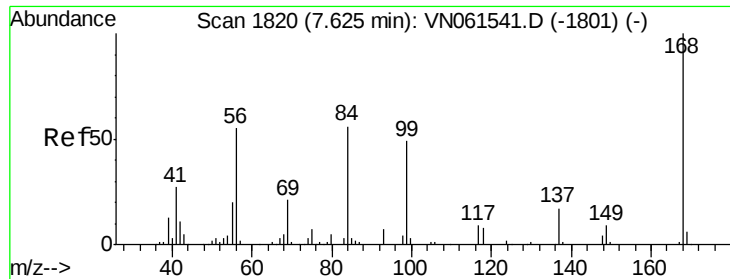
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061220\
Data File : VN061780.D
Acq On : 12 Jun 2020 10:39
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Sample : VN0612WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Time: Jun 13 05:08:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061780.D

Acq: 12 Jun 2020 10:39

Instrument :

MSVOA_N

ClientSampled :

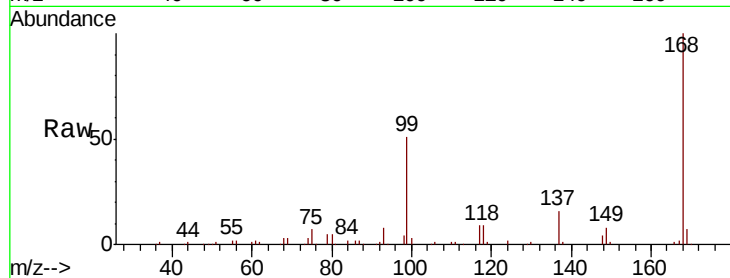
VN0612WBL01

Tot Ion:168 Resp: 275587

Ion Ratio Lower Upper

168 100

99 51.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

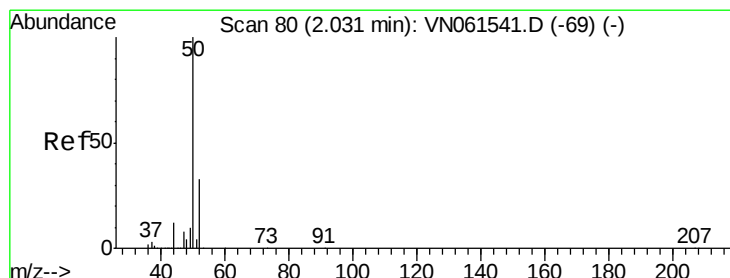
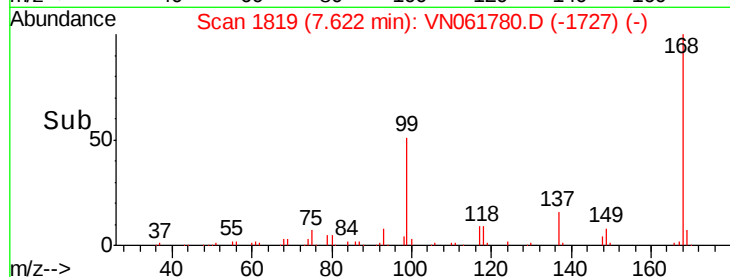
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.738 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061780.D

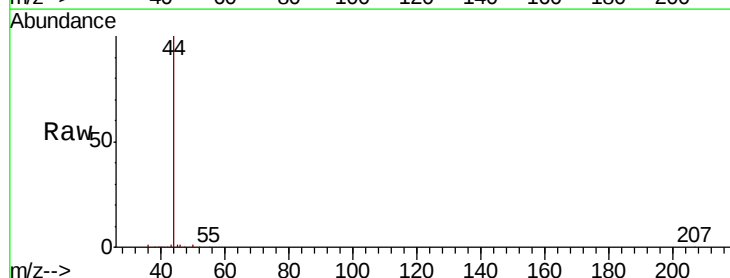
Acq: 12 Jun 2020 10:39

Tgt Ion: 50 Resp: 2480

Ion Ratio Lower Upper

50 100

52 36.2 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

1200

1000

800

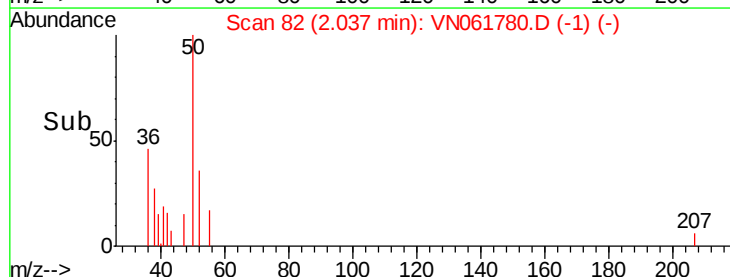
600

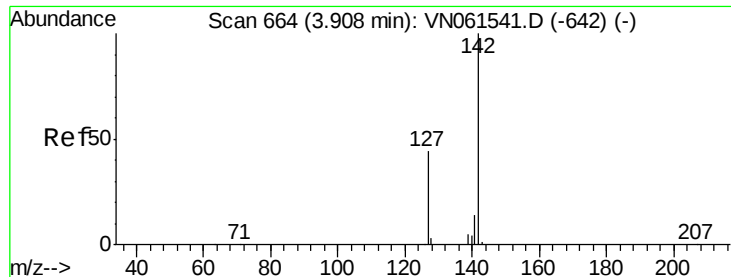
400

200

0

Time--> 2.00 2.05 2.10

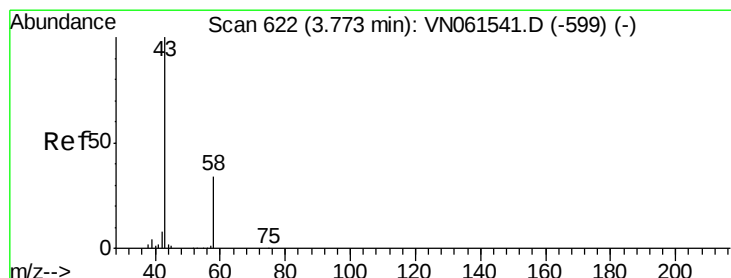
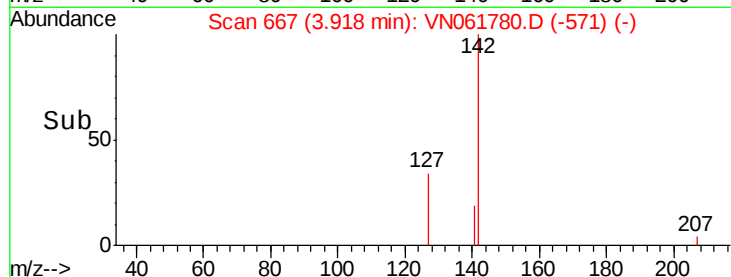
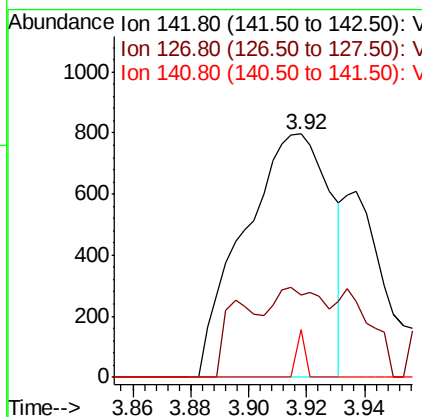
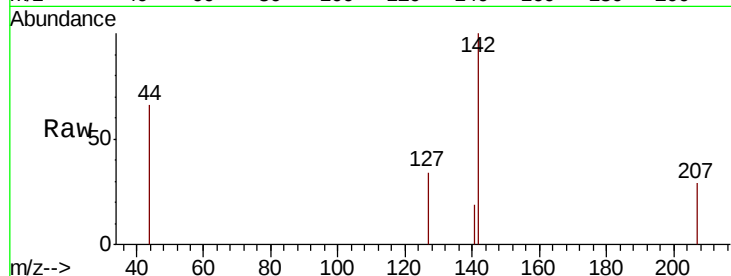




#10
Methvl Iodide
Concen: 0.450 ug/l
RT: 3.92 min Scan# 667
Delta R.T. 0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

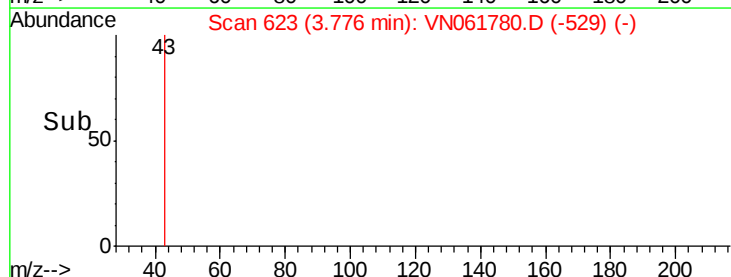
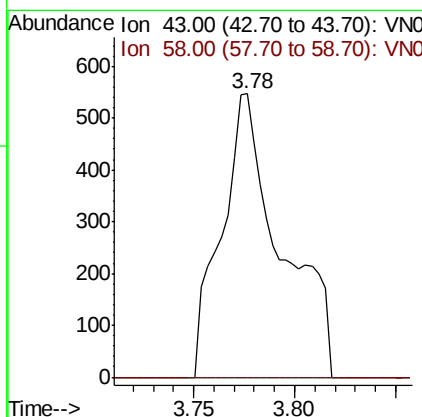
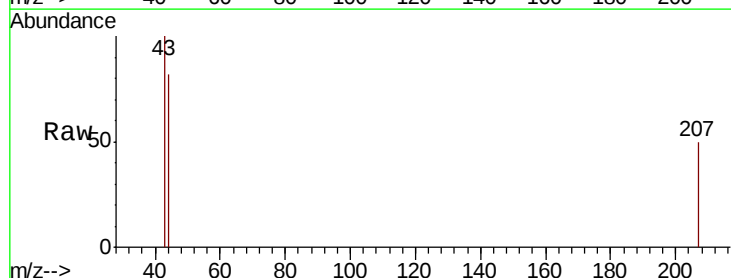
Instrument :
MSVOA_N
ClientSampled :
VN0612WBL01

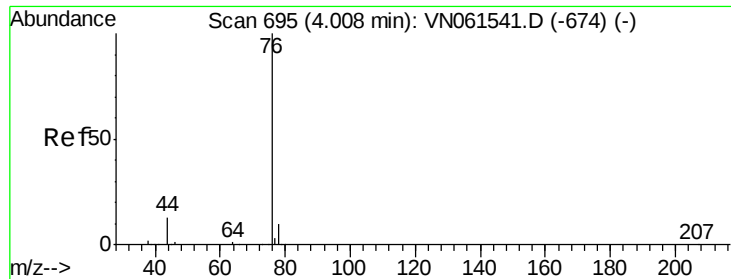
Tot Ion:142 Resp: 1648
Ion Ratio Lower Upper
142 100
127 9.1 35.5 53.3#
141 1.8 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
58 0.0 27.2 40.8#

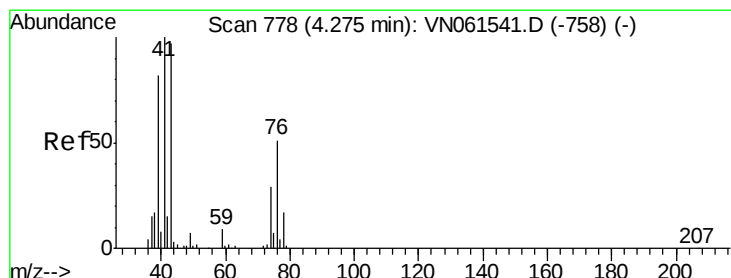
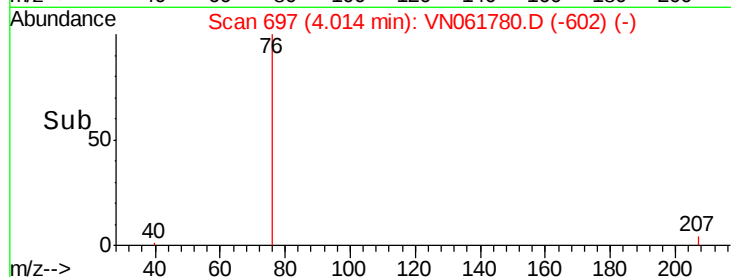
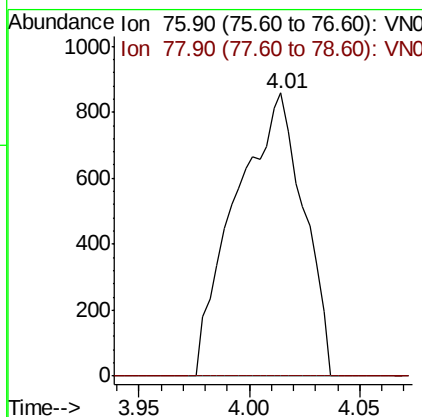
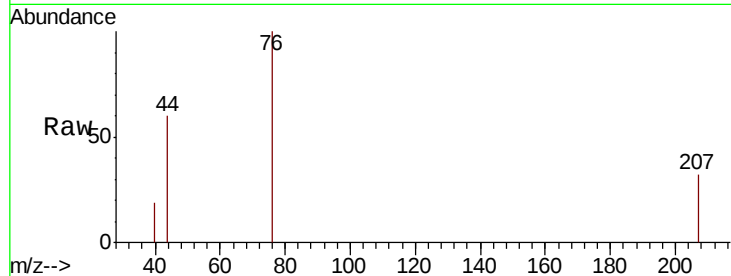




#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 4.01 min Scan# 697
Delta R.T. 0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

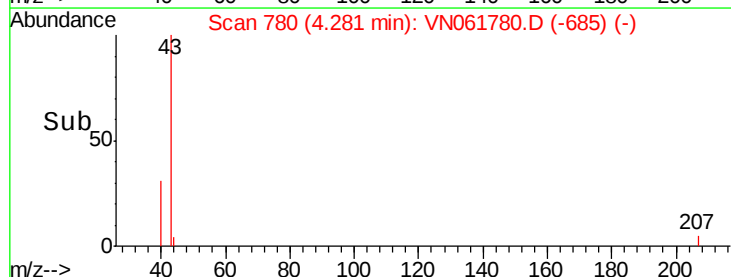
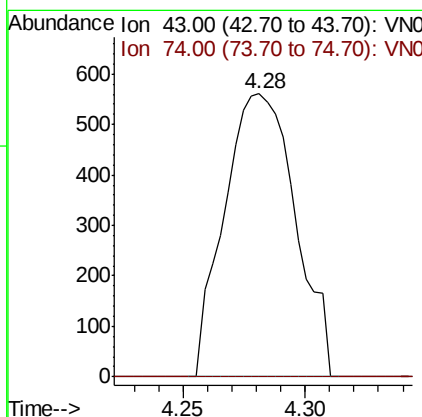
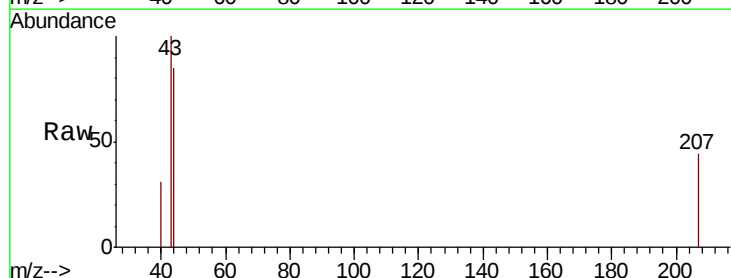
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

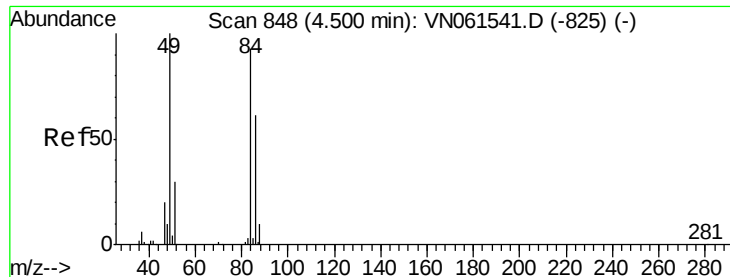
Tot Ion: 76 Resp: 1821
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#

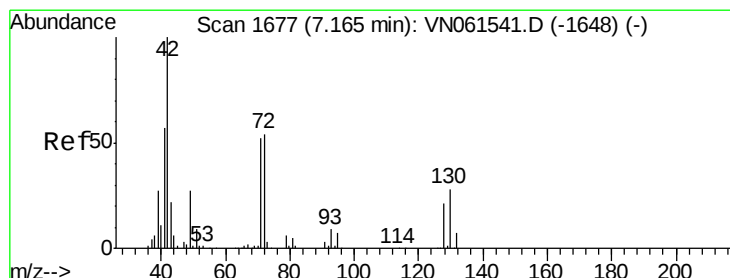
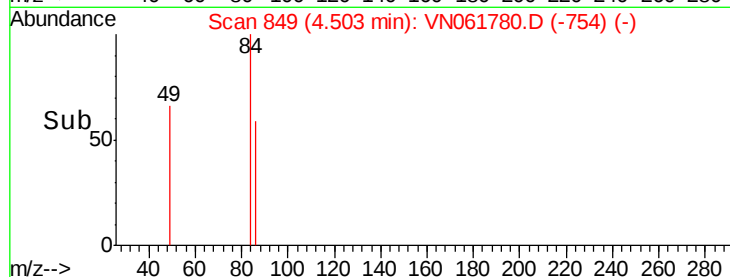
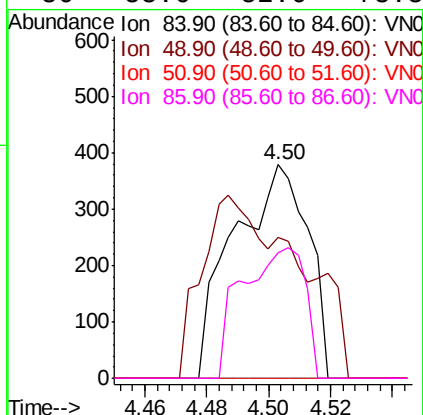
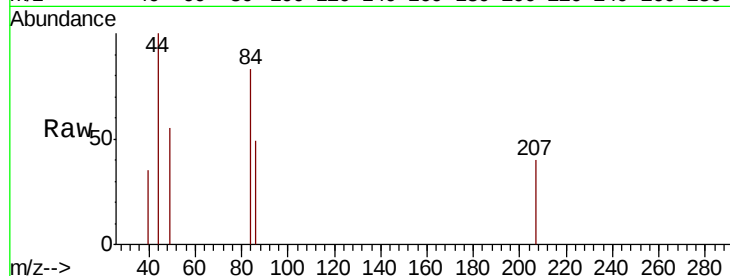




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

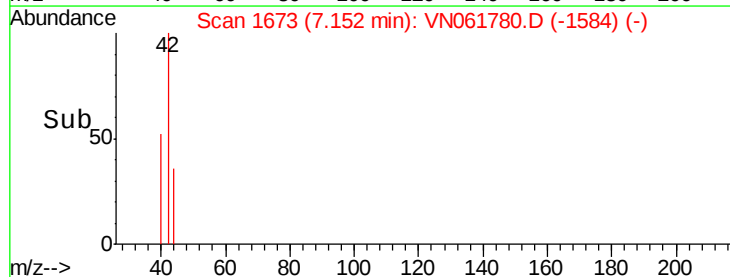
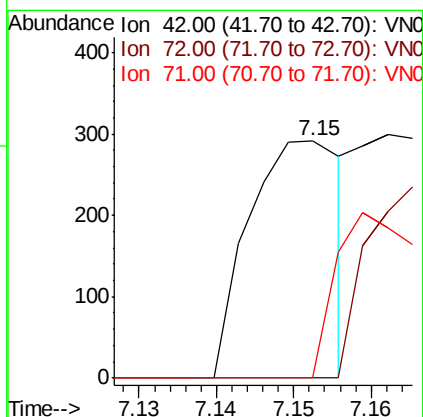
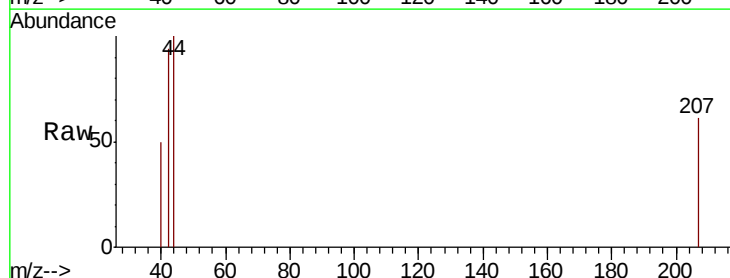
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

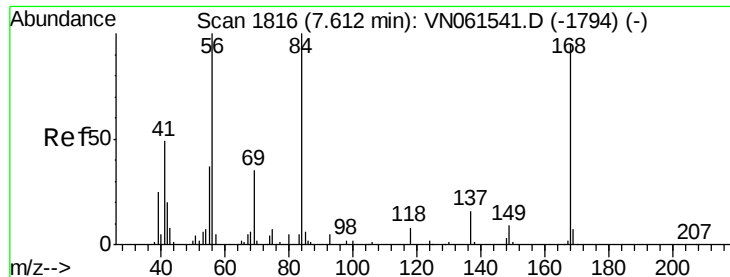
Tot Ion: 84 Resp: 633
Ion Ratio Lower Upper
84 100
49 23.7 85.8 128.8#
51 0.0 26.2 39.2#
86 58.6 52.6 78.8



#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion: 42 Resp: 243
Ion Ratio Lower Upper
42 100
72 65.4 43.6 65.4#
71 56.0 41.2 61.8

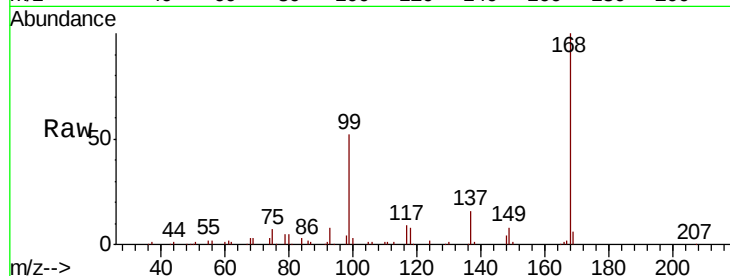




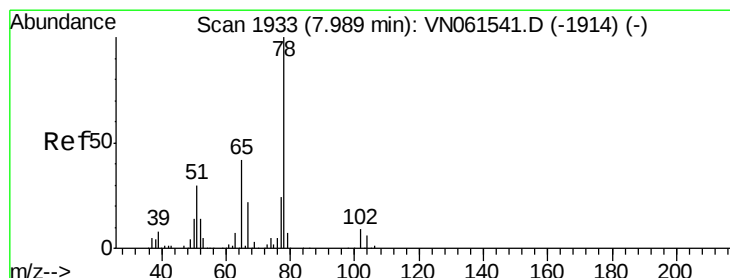
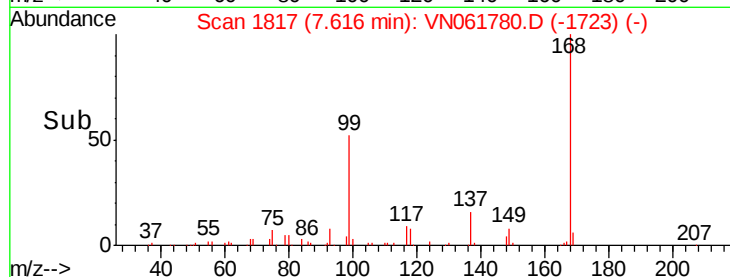
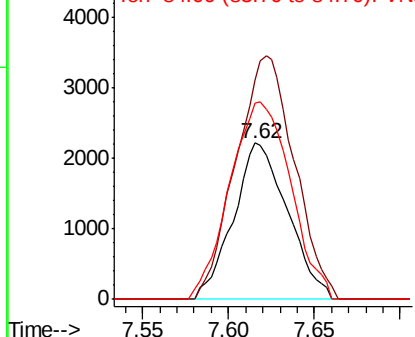
#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Tot Ion: 56 Resp: 4839
Ion Ratio Lower Upper
56 100
69 140.8 27.8 41.8#
84 125.5 79.9 119.9#

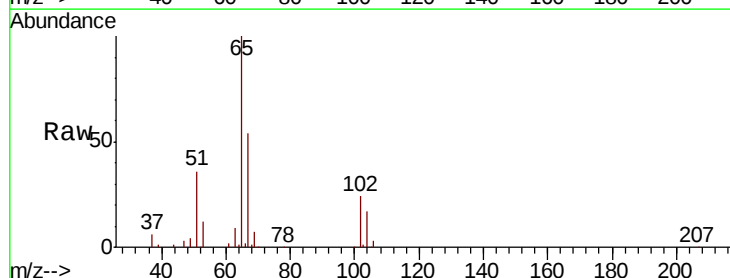


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

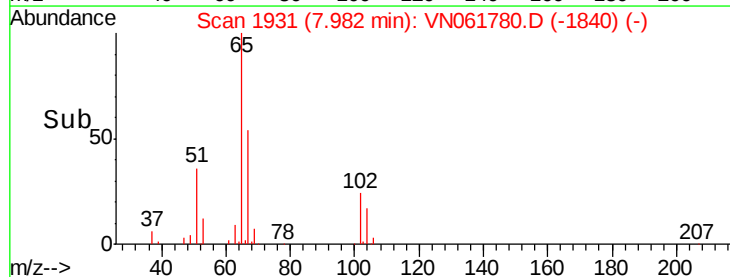
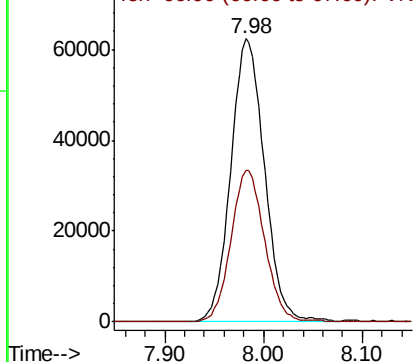


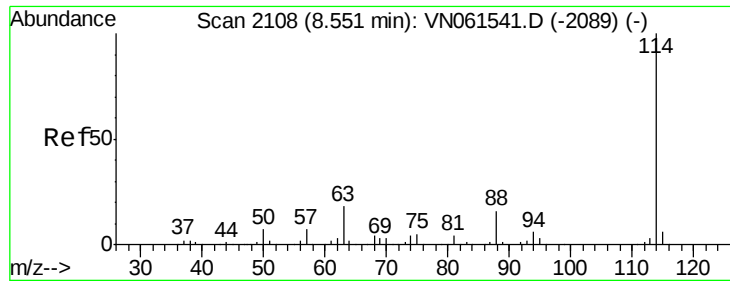
#33
1,2-Dichloroethane-d4
Concen: 45.124 ug/l
RT: 7.98 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion: 65 Resp: 148162
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

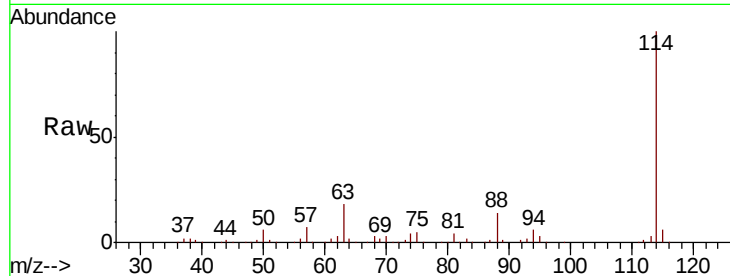




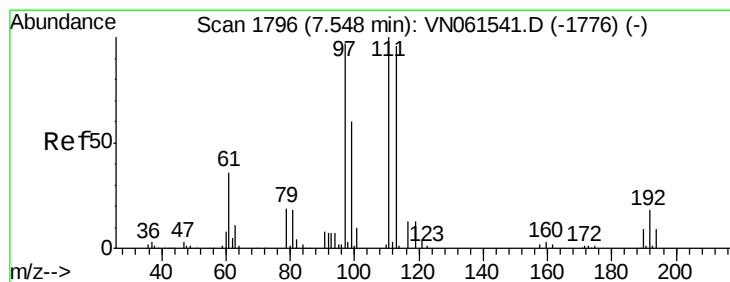
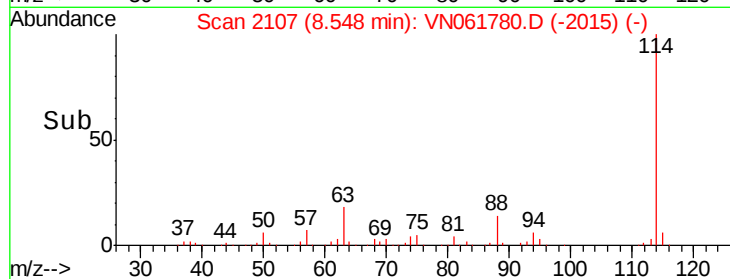
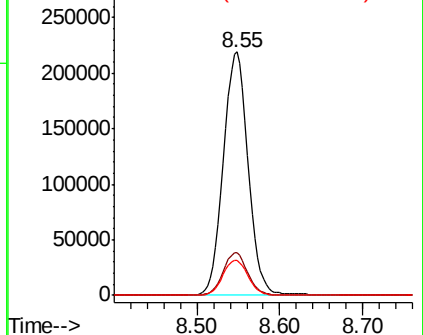
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Instrument :
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 VN0612WBL01

Tot Ion:114 Resp: 456001
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.8
 88 14.2 0.0 31.0

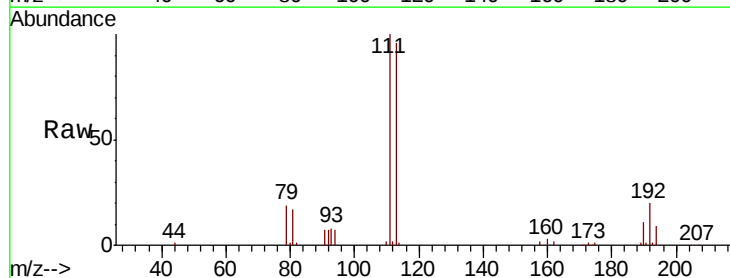


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

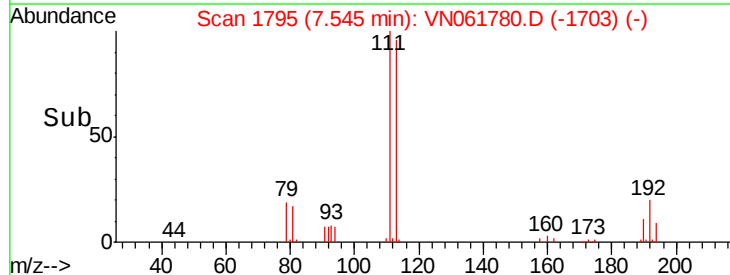
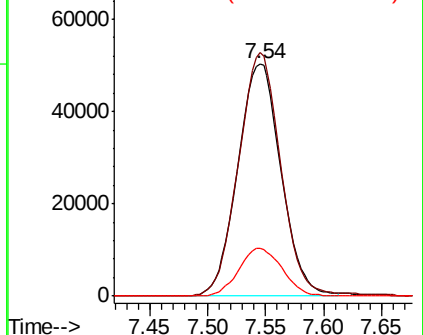


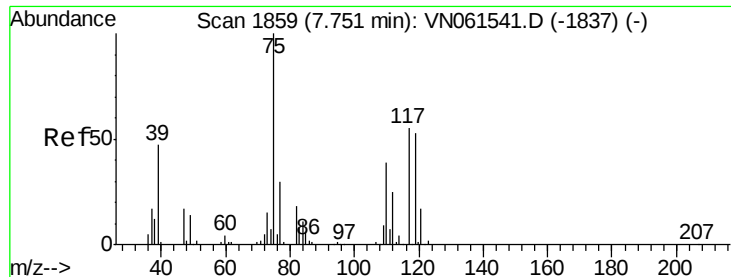
#35
 Dibromofluoromethane
 Concen: 56.581 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Tgt Ion:113 Resp: 130883
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.0
 192 20.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.581 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.13 min

Lab File: VN061780.D

Acq: 12 Jun 2020 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

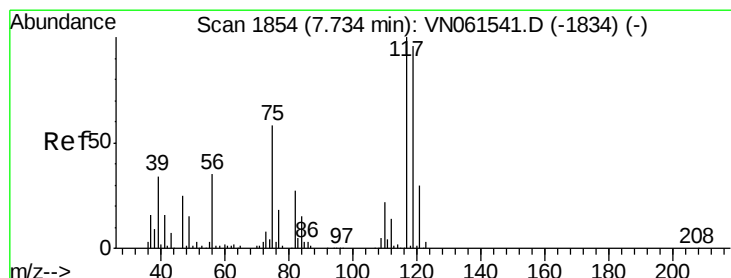
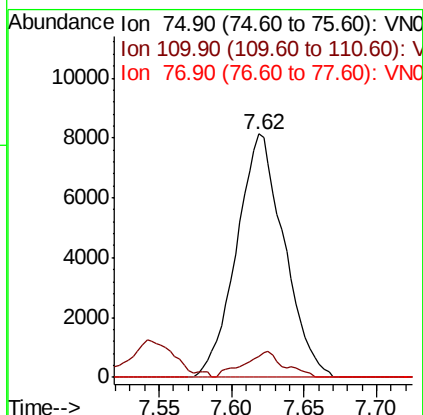
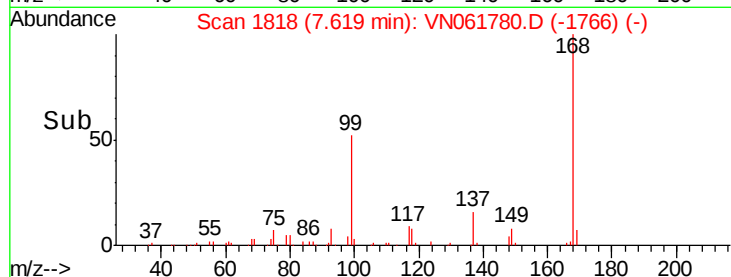
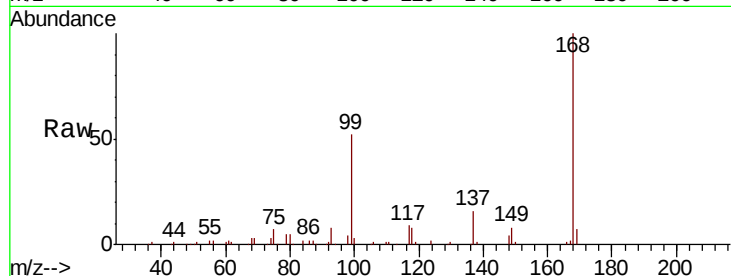
Tot Ion: 75 Resp: 18493

Ion Ratio Lower Upper

75 100

110 9.0 19.5 58.5#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.527 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.12 min

Lab File: VN061780.D

Acq: 12 Jun 2020 10:39

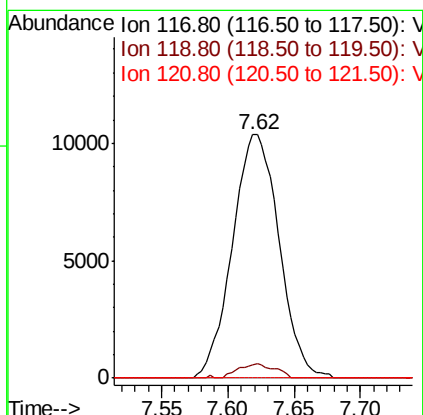
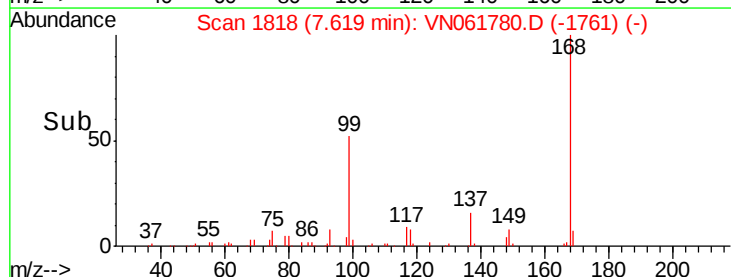
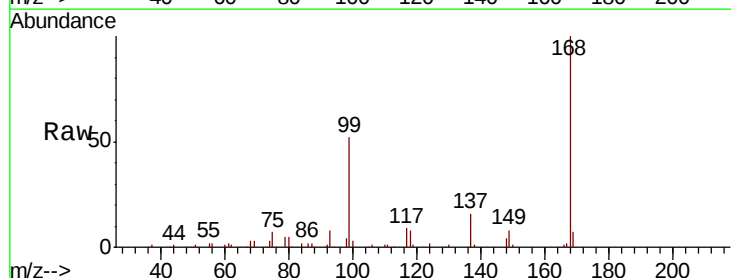
Tgt Ion: 117 Resp: 25415

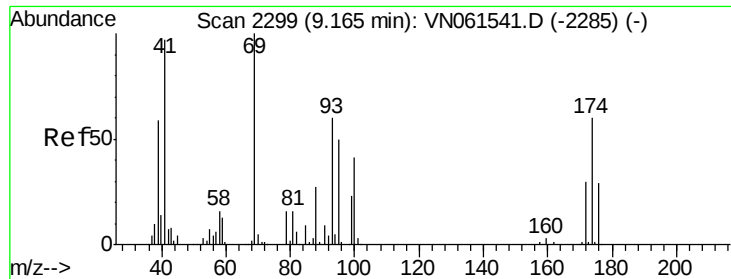
Ion Ratio Lower Upper

117 100

119 5.6 76.5 114.7#

121 0.0 24.1 36.1#

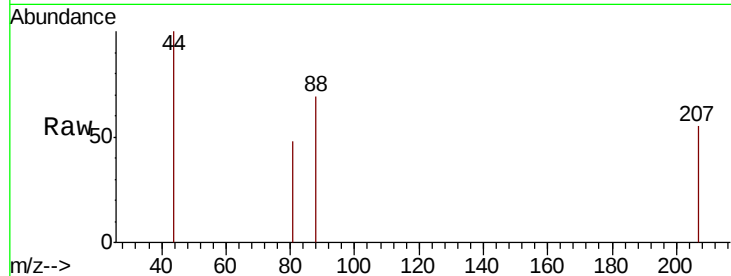




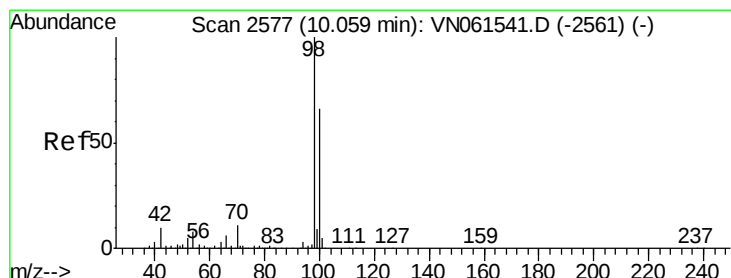
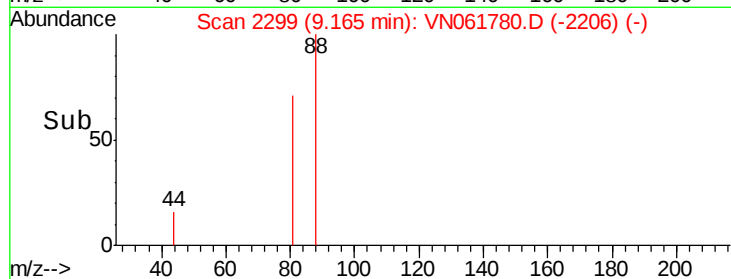
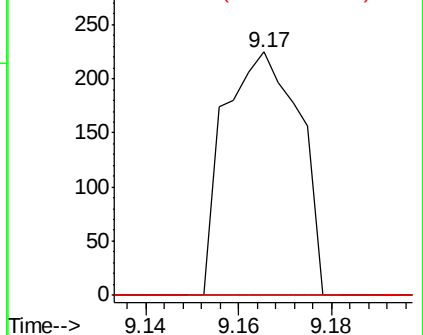
#49
 1,4-Dioxane
 Concen: 6.230 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL01

Tot Ion: 88 Resp: 254
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.1 34.7#
 58 0.0 48.3 72.5#

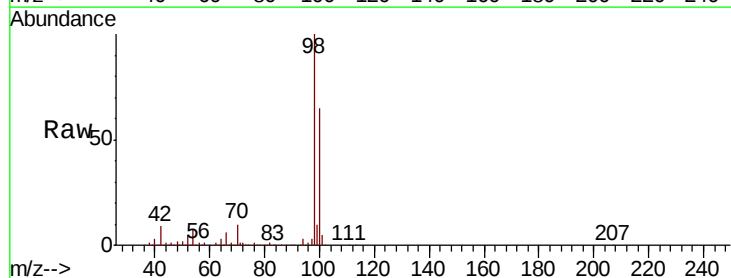


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

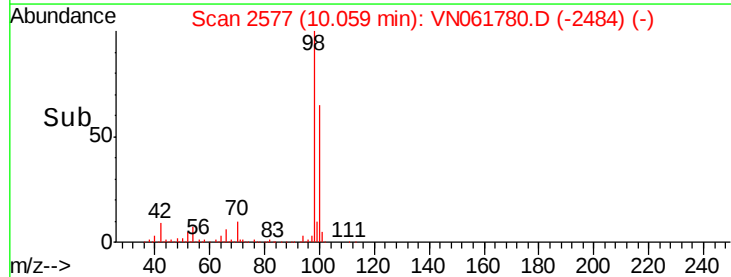
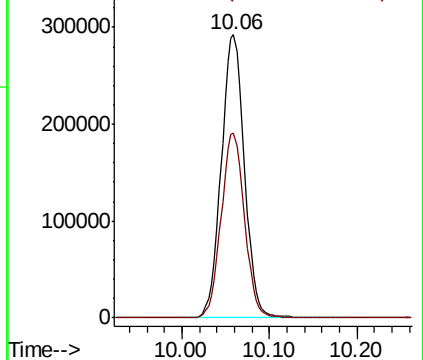


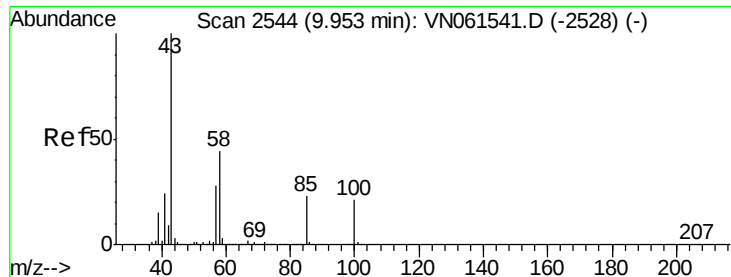
#50
 Toluene-d8
 Concen: 50.147 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Tgt Ion: 98 Resp: 537559
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.8 79.2



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

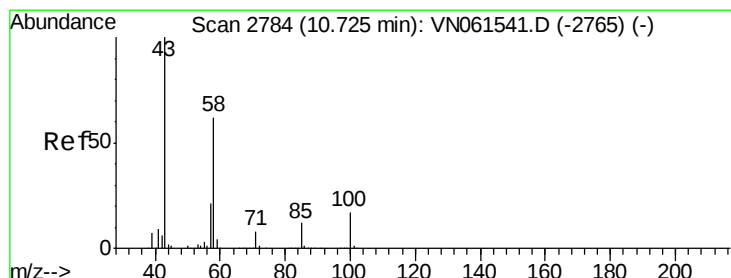
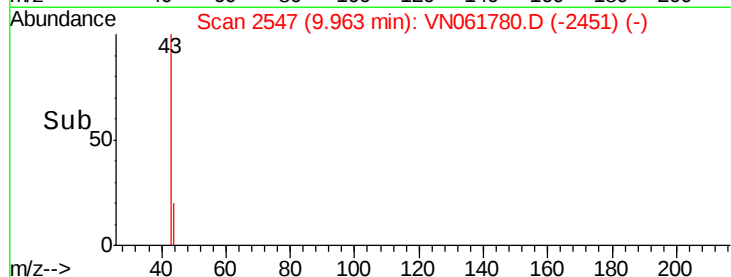
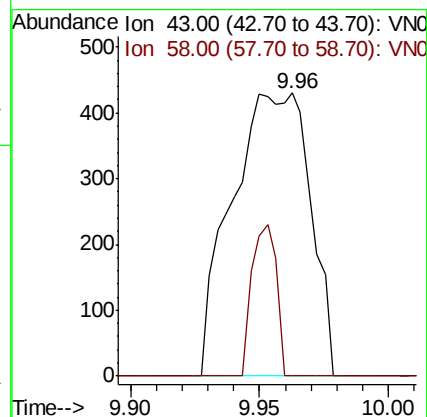
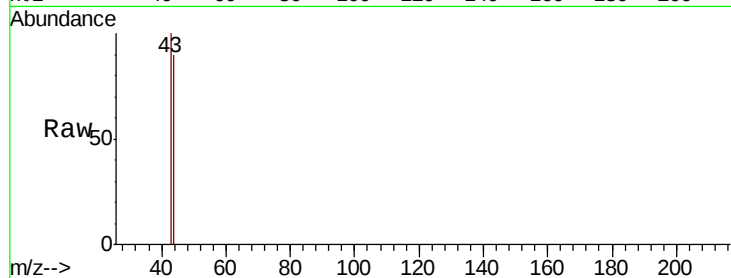




#51
4-Methyl-2-Pentanone
Concen: 0.275 ug/l
RT: 9.96 min Scan# 2547
Delta R.T. 0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

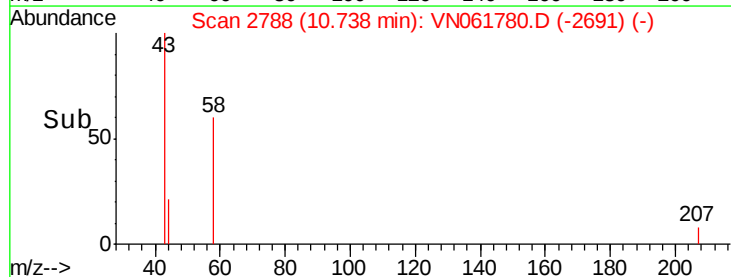
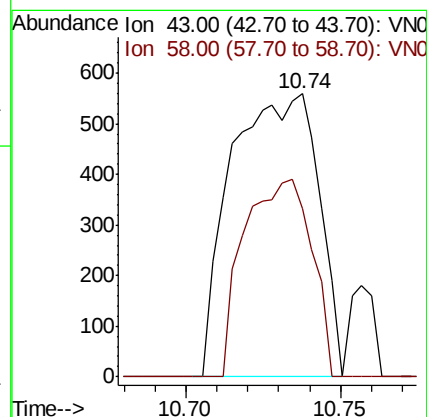
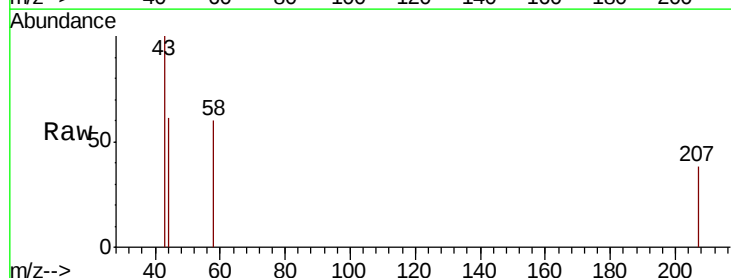
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

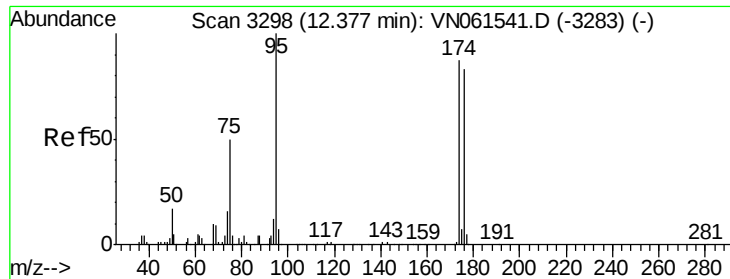
Tot Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
58 16.6 35.0 52.6#



#59
2-Hexanone
Concen: 0.464 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 54.0 30.7 92.1

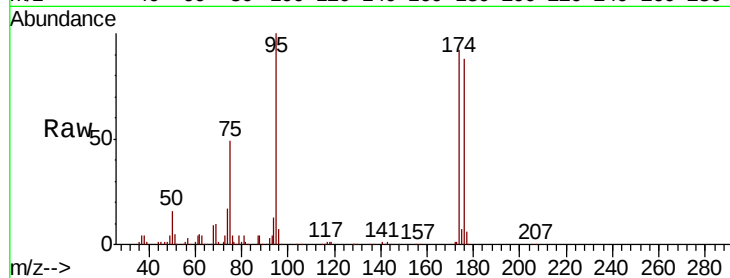




#62
4-Bromofluorobenzene
Concen: 44.016 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Instrument :
MSVOA_N
ClientSampled :
VN0612WBL01

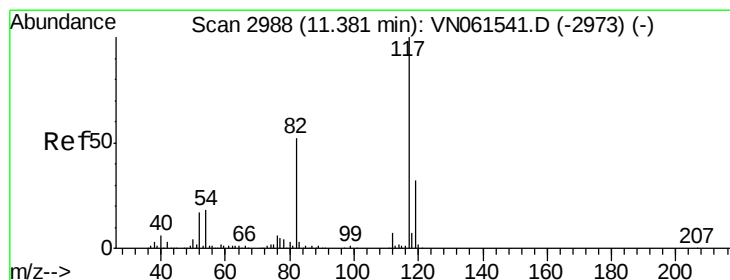
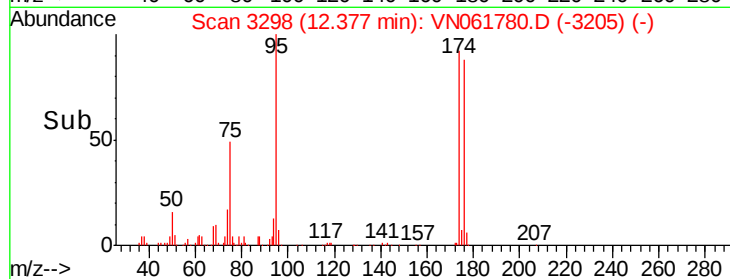
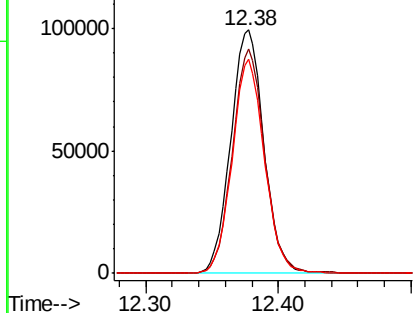
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	172.8
176	85.7	0.0	164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

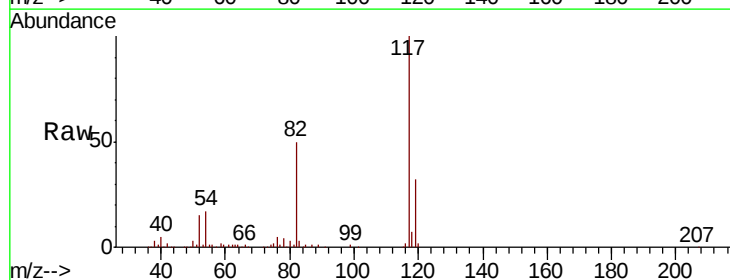
Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

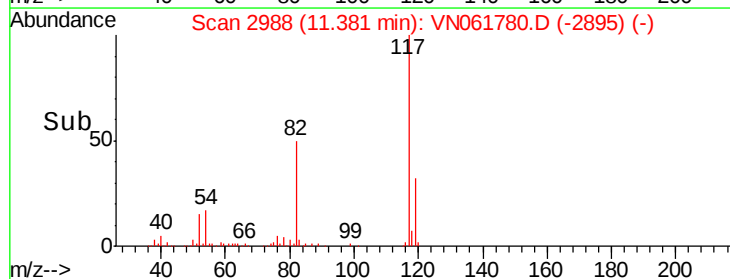
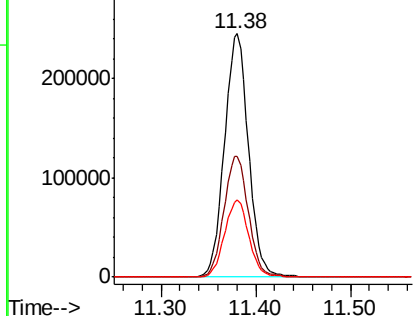
Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.5	41.5	62.3
119	31.5	25.6	38.4

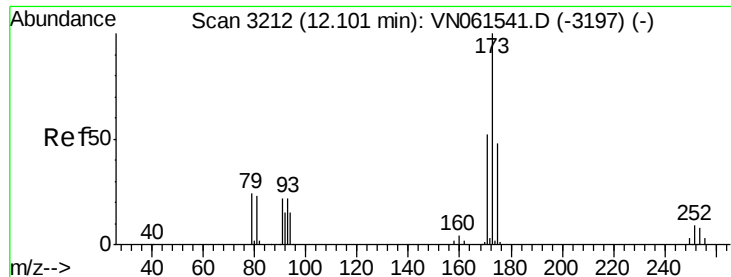


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)

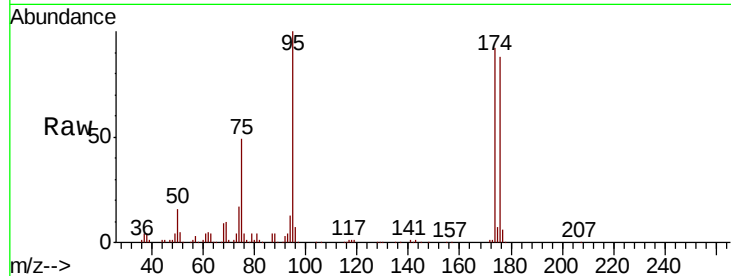




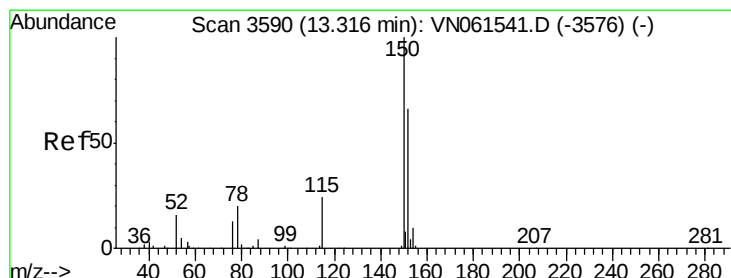
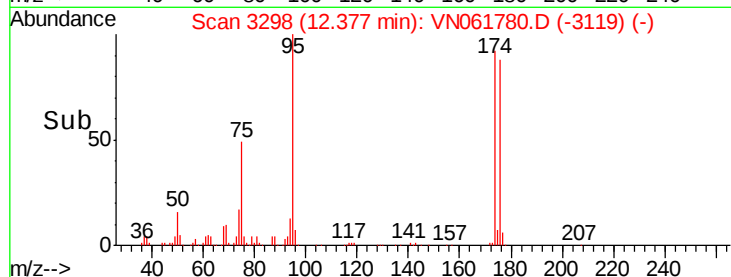
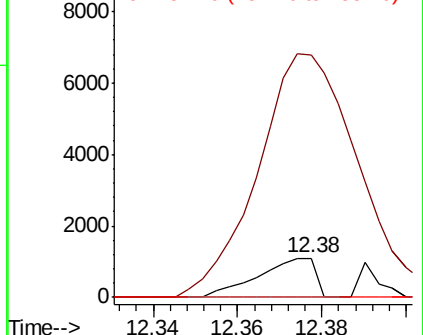
#71
Bromoform
Concen: 0.401 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Instrument :
MSVOA_N
ClientSampled :
VN0612WBL01

Tot Ion:173 Resp: 1034
Ion Ratio Lower Upper
173 100
175 925.3 24.4 73.2#
254 0.0 0.0 0.0

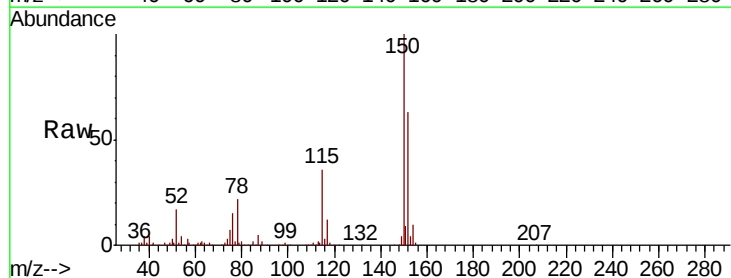


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

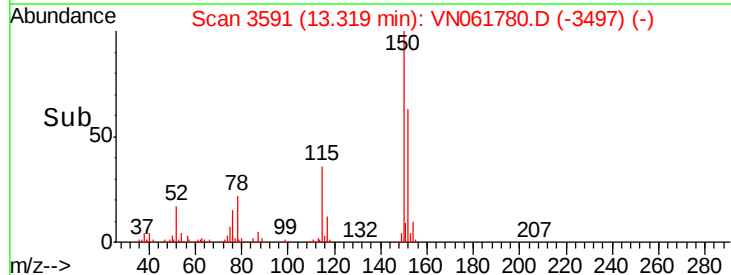
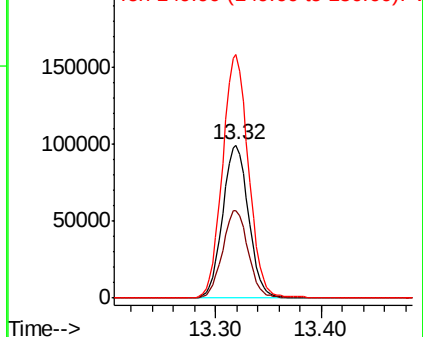


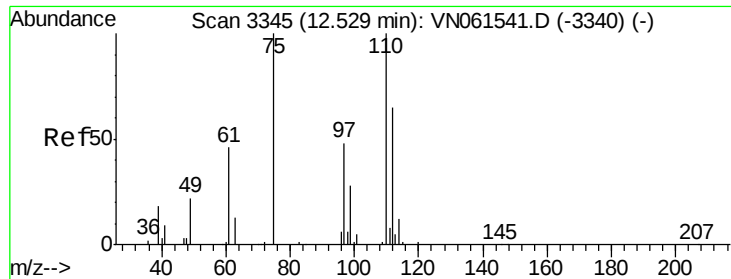
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion:152 Resp: 169279
Ion Ratio Lower Upper
152 100
115 56.5 28.0 84.0
150 160.2 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

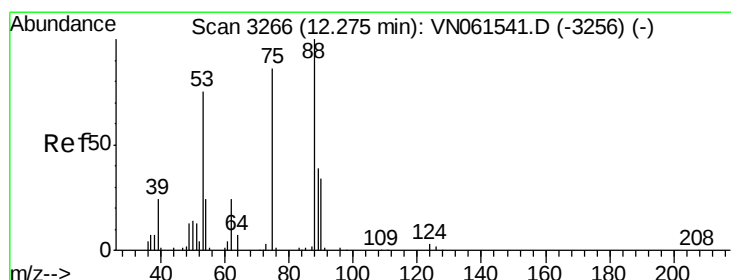
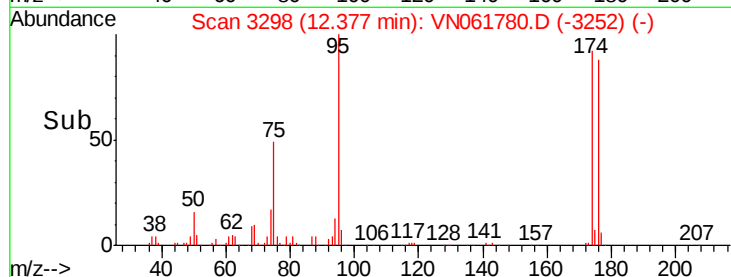
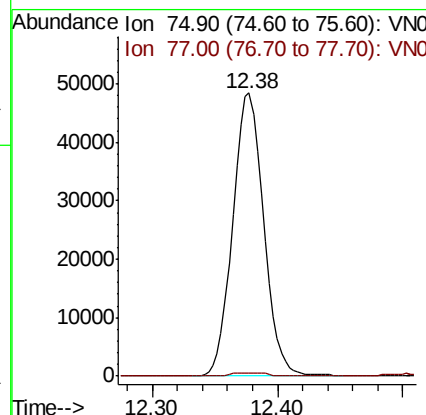
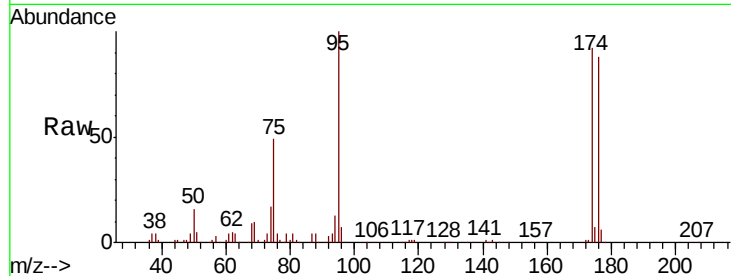




#76
 1,2,3-Trichloropropane
 Concen: 27.029 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

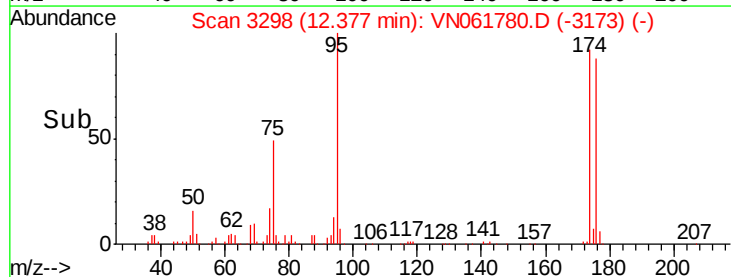
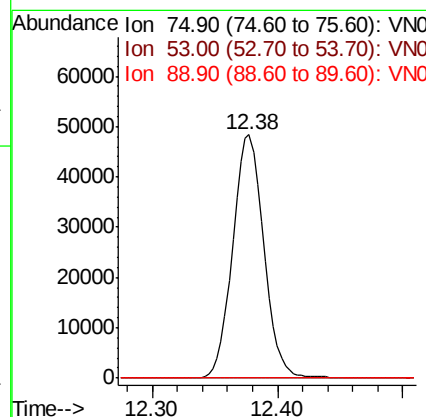
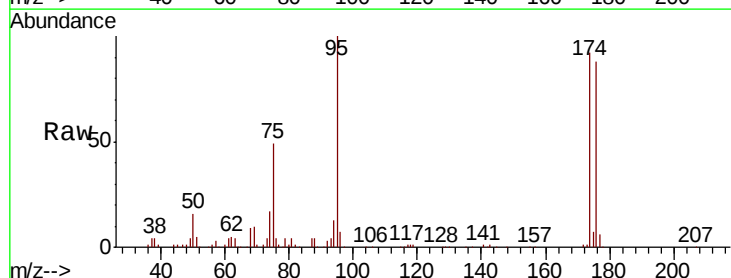
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBL01

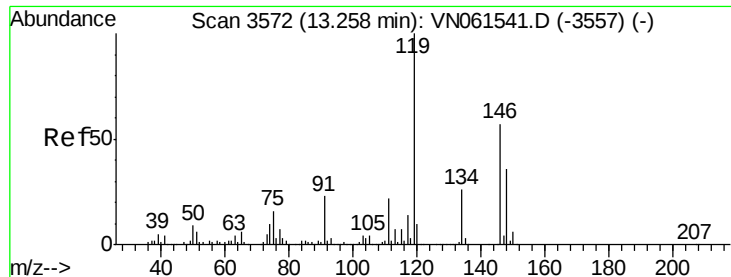
Tot Ion: 75 Resp: 83199
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.120 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Tgt Ion: 75 Resp: 83199
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.1 37.1 55.7#

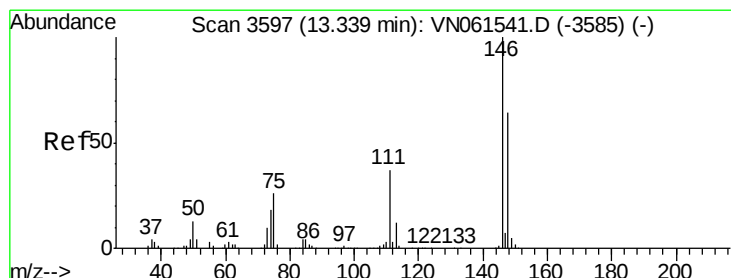
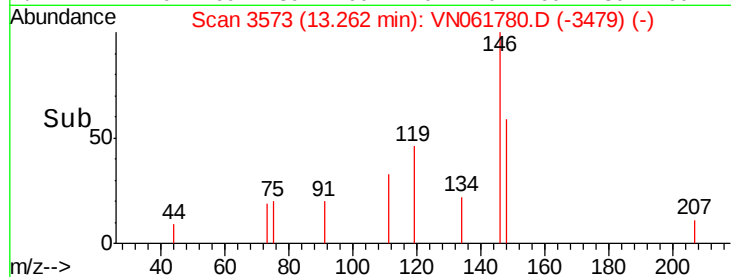
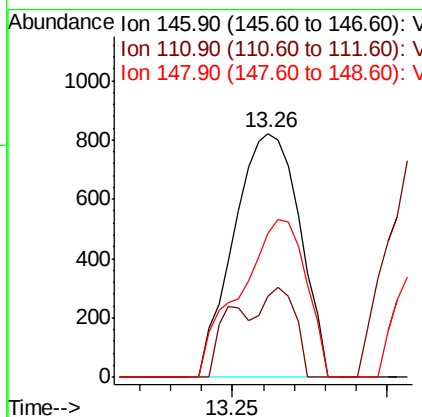
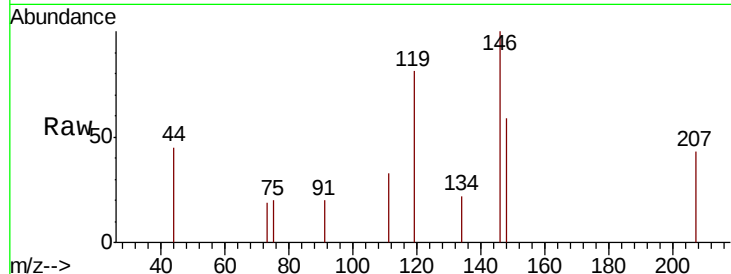




#87
 1,3-Dichlorobenzene
 Concen: 0.218 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

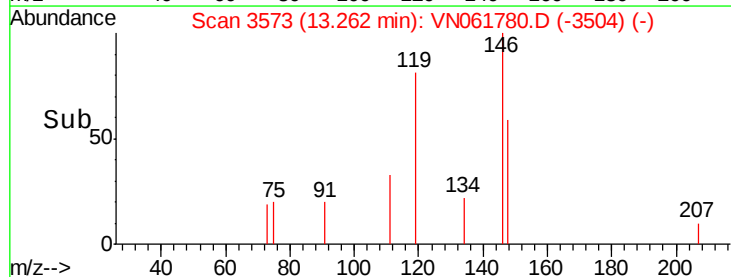
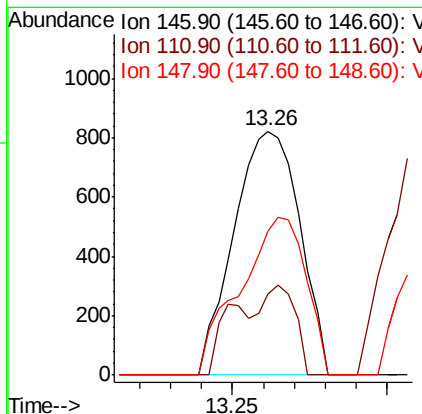
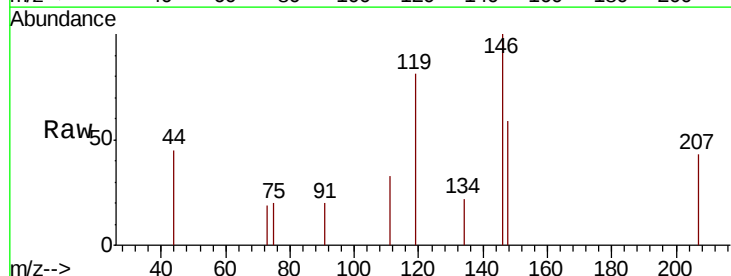
Instrument :
 MSVOA_N
 ClientSampled :
 VN0612WBL01

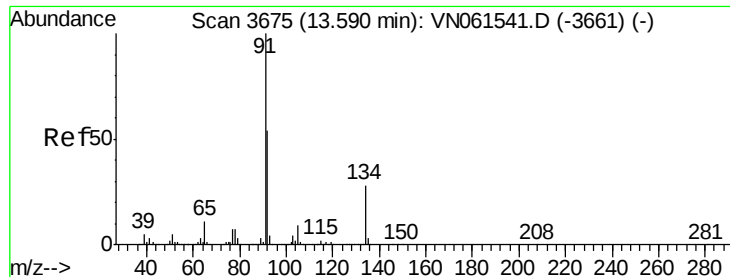
Tot Ion:146 Resp: 1216
 Ion Ratio Lower Upper
 146 100
 111 19.7 19.2 57.6
 148 65.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 0.214 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.08 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Tgt Ion:146 Resp: 1216
 Ion Ratio Lower Upper
 146 100
 111 19.7 18.9 56.9
 148 65.2 31.8 95.3

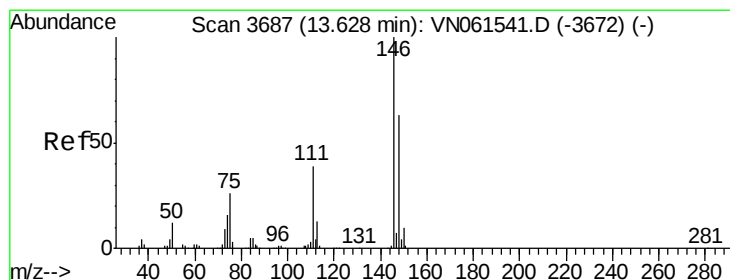
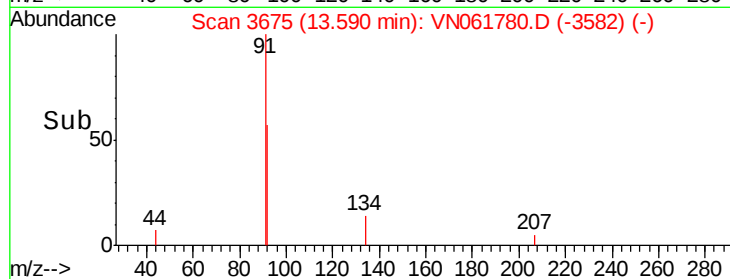
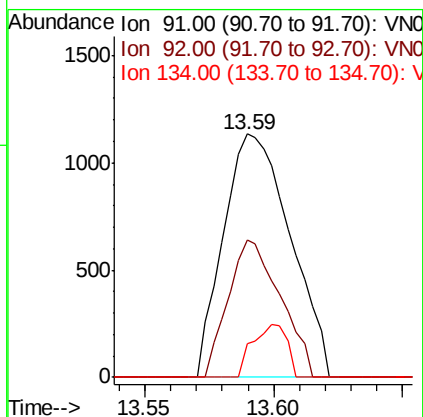
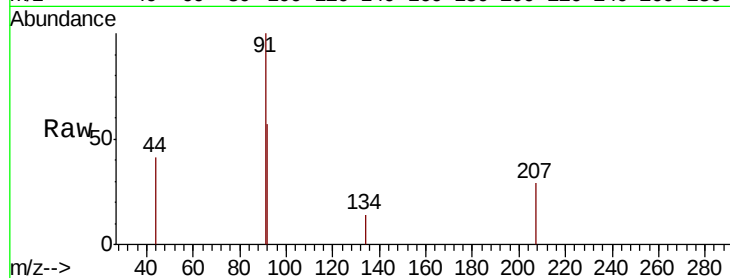




#89
n-Butylbenzene
Concen: 0.226 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

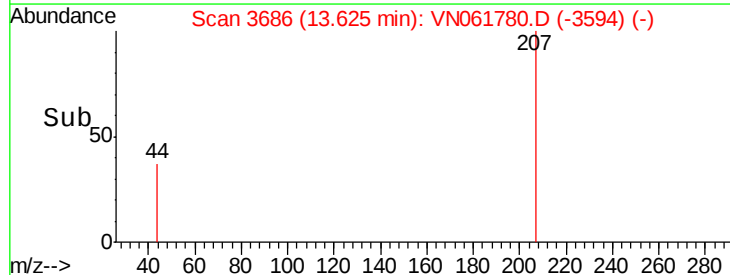
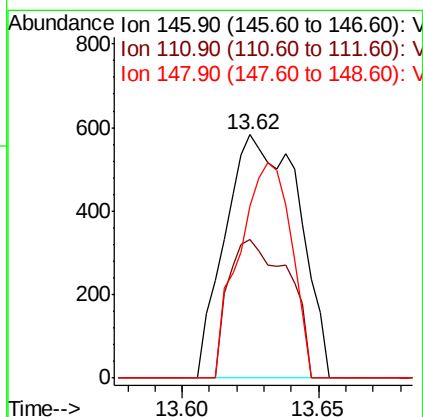
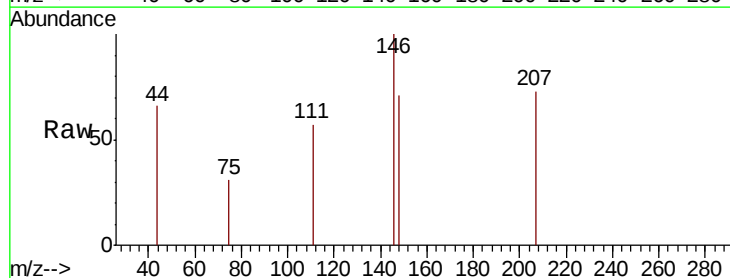
Instrument :
MSVOA_N
ClientSampled :
VN0612WBL01

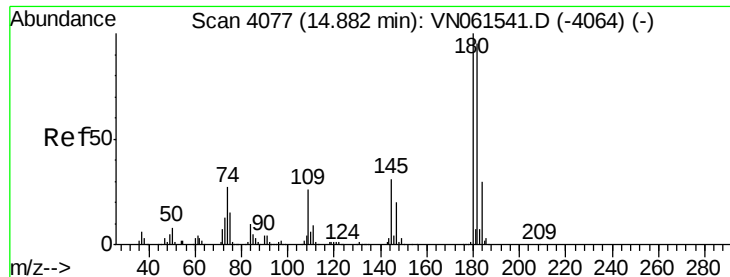
Tot Ion: 91 Resp: 2046
Ion Ratio Lower Upper
91 100
92 44.0 27.2 81.6
134 11.1 14.0 42.0#



#91
1,2-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.62 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN061780.D
Acq: 12 Jun 2020 10:39

Tgt Ion: 146 Resp: 1090
Ion Ratio Lower Upper
146 100
111 46.9 20.1 60.2
148 62.5 31.9 95.5

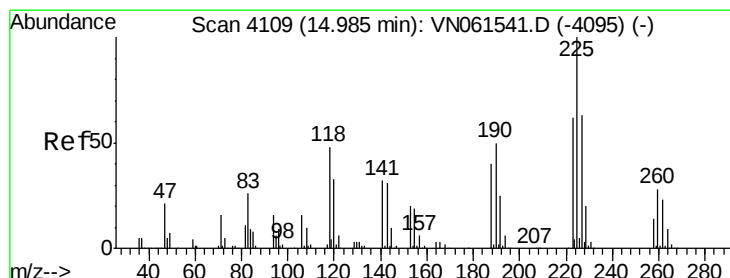
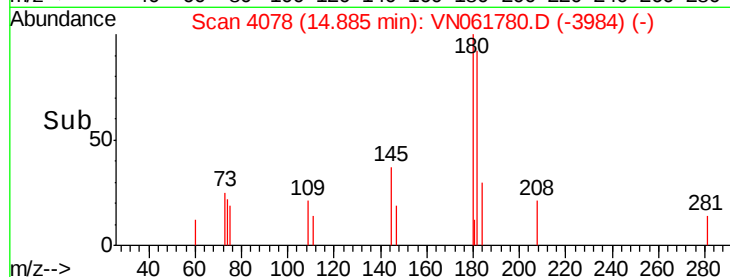
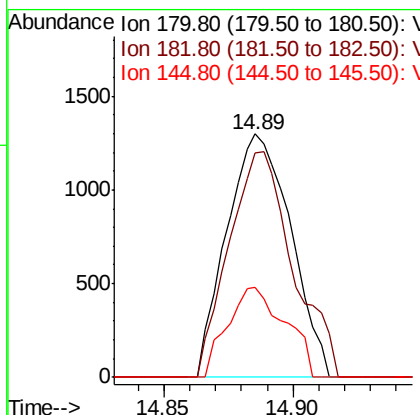
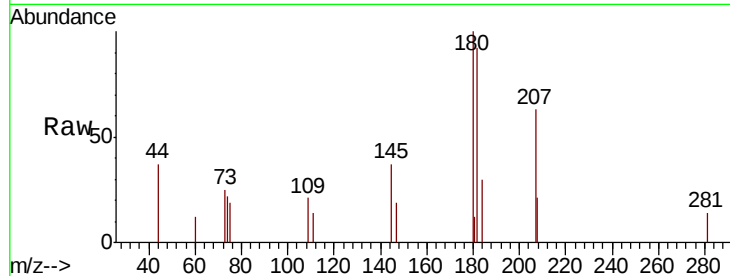




#93
 1,2,4-Trichlorobenzene
 Concen: 0.718 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

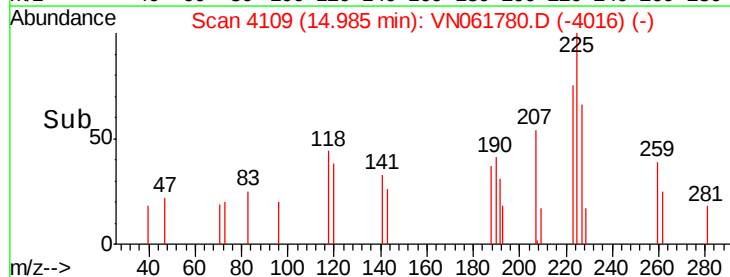
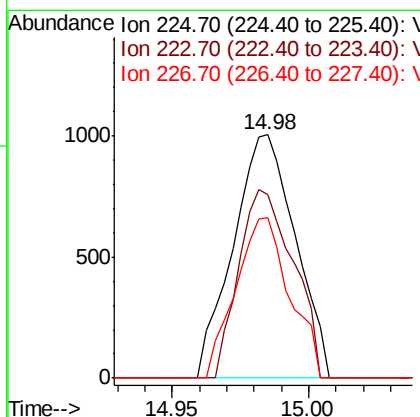
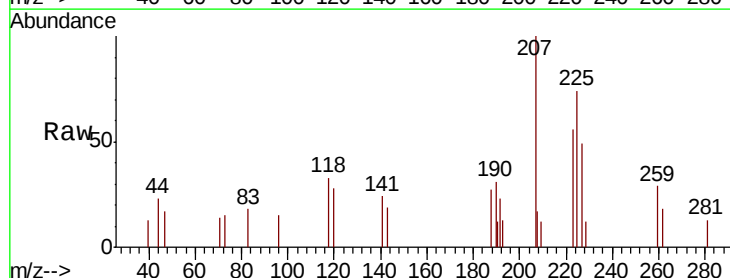
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL01

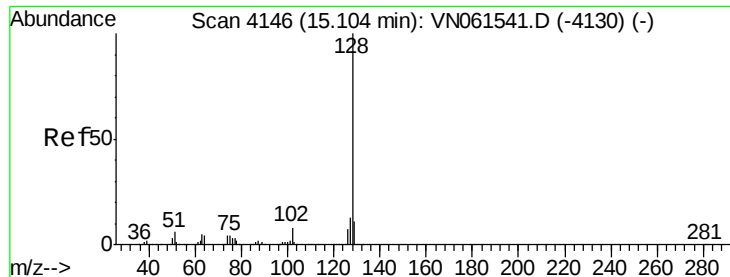
Tot Ion:180 Resp: 2241
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.8 143.3
 145 33.4 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 1.191 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061780.D
 Acq: 12 Jun 2020 10:39

Tgt Ion:225 Resp: 1586
 Ion Ratio Lower Upper
 225 100
 223 68.2 31.9 95.5
 227 57.5 31.9 95.9





#95

Naphthalene

Concen: 0.931 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061780.D

Acq: 12 Jun 2020 10:39

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

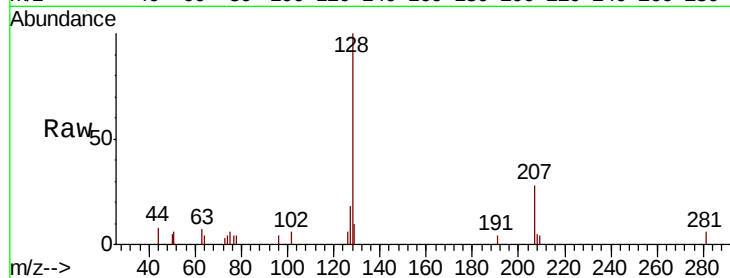
Tot Ion:128 Resp: 8846

Ion Ratio Lower Upper

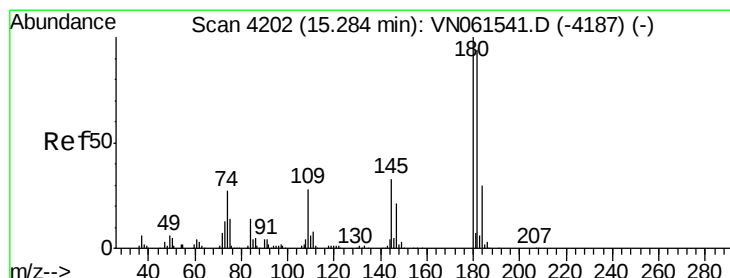
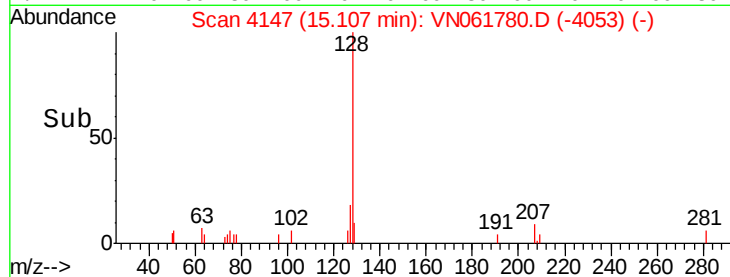
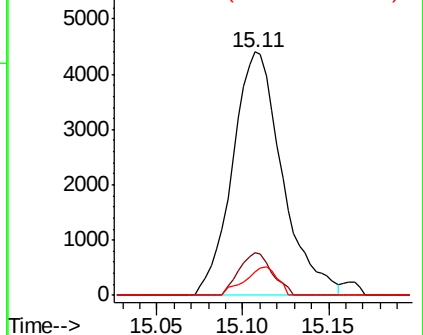
128 100

127 11.6 10.0 15.0

129 7.6 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: 1.040 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061780.D

Acq: 12 Jun 2020 10:39

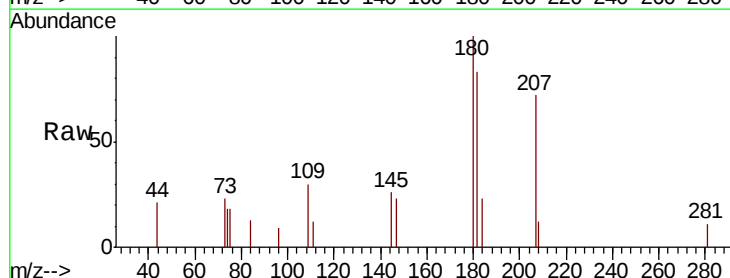
Tgt Ion:180 Resp: 3191

Ion Ratio Lower Upper

180 100

182 84.2 47.1 141.3

145 24.9 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

