

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
 Data File : VN061185.D
 Acq On : 29 Apr 2020 12:18
 Operator : JC/MD
 Sample : L2443-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 15:15:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	96838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	170738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	162085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	70748	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	77572	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	7.55	113	51373	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.06	98	211865	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.38	95	78410	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	

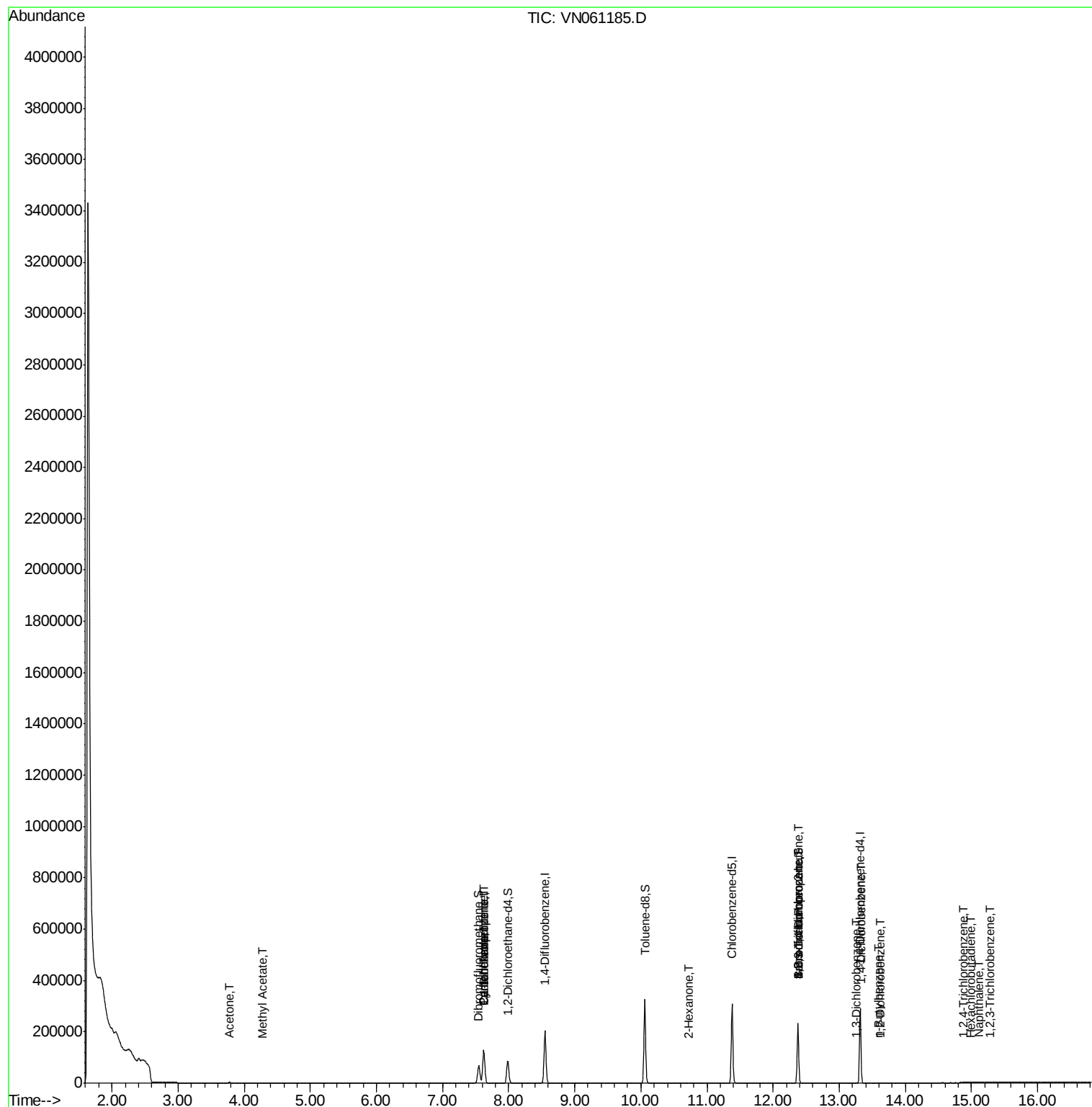
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	3681	0.702	ug/l	95
18) Methyl Acetate	4.27	43	191	0.776	ug/l #	55
31) Cyclohexane	7.62	56	2697	1.210	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	9257	5.416	ug/l #	50
38) Carbon Tetrachloride	7.63	117	10735	8.856	ug/l #	16
59) 2-Hexanone	10.72	43	334	0.235	ug/l #	27
71) Bromoform	12.37	173	222	0.262	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	43142	28.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	43142	73.452	ug/l #	8
87) 1,3-Dichlorobenzene	13.26	146	446	0.202	ug/l #	68
88) 1,4-Dichlorobenzene	13.34	146	572	0.253	ug/l #	1
89) n-Butylbenzene	13.59	91	952	0.233	ug/l #	86
91) 1,2-Dichlorobenzene	13.63	146	441	0.208	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.88	180	678	0.525	ug/l #	81
94) Hexachlorobutadiene	14.98	225	202	0.375	ug/l #	18
95) Naphthalene	15.11	128	2496	0.594	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.29	180	672	0.527	ug/l #	81

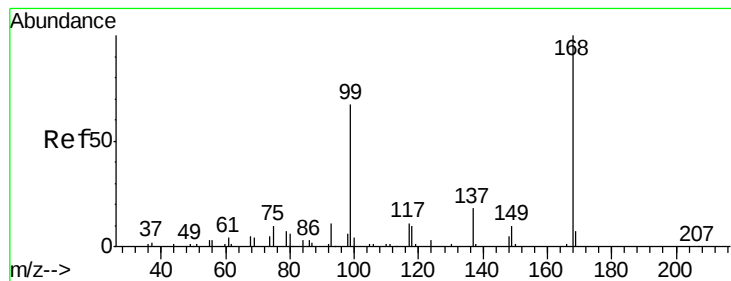
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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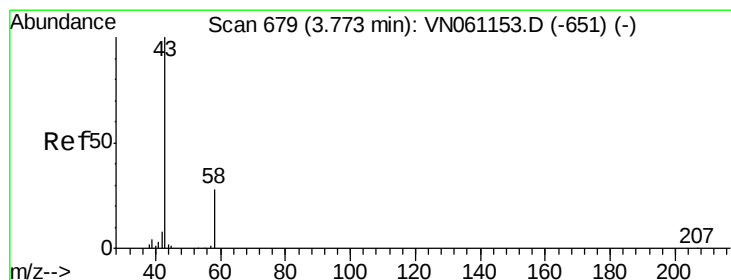
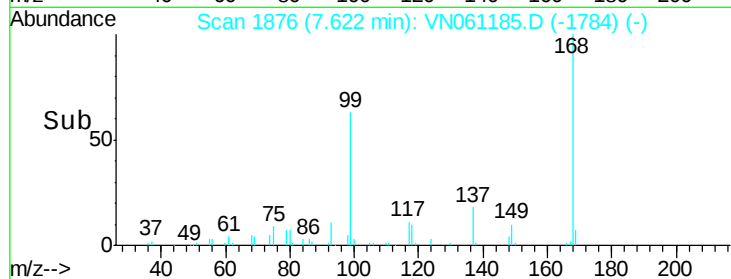
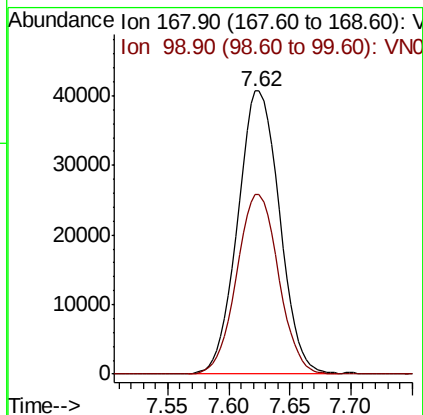
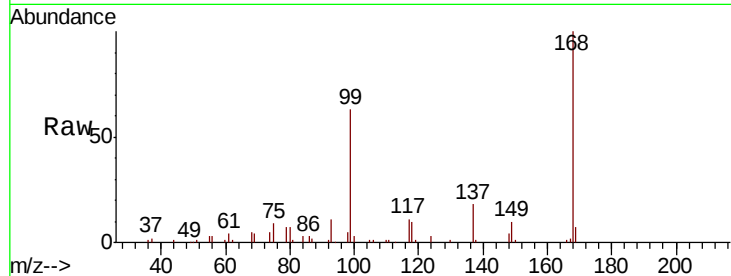


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :

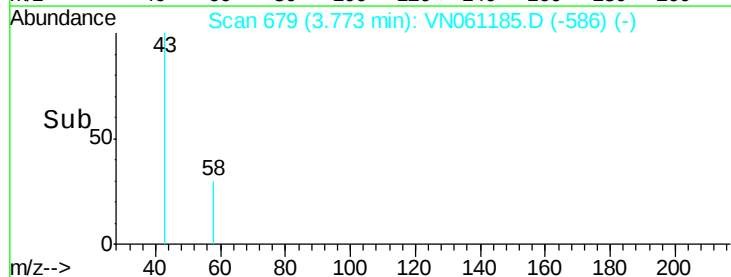
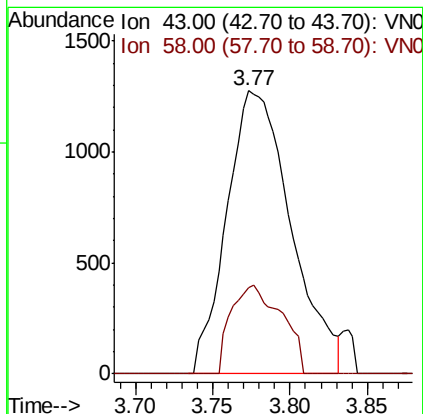
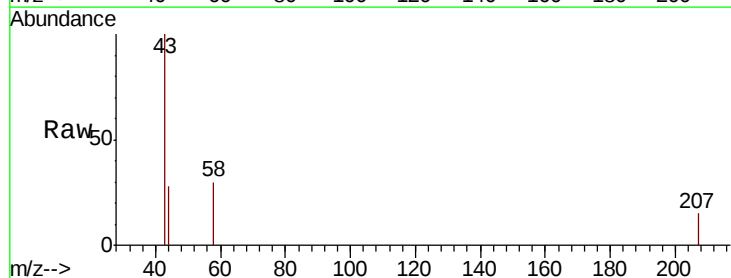
Tot Ion:168 Resp: 96838
 Ion Ratio Lower Upper
 168 100
 99 63.5 51.2 76.8

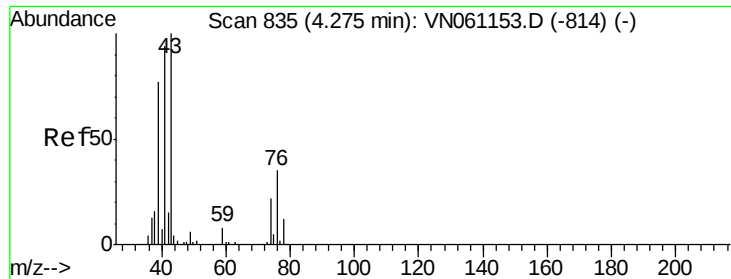


#16

Acetone
 Concen: 0.702 ug/l
 RT: 3.77 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

Tgt Ion: 43 Resp: 3681
 Ion Ratio Lower Upper
 43 100
 58 30.4 22.2 33.2

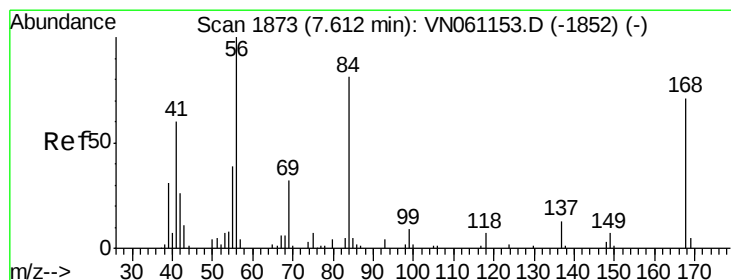
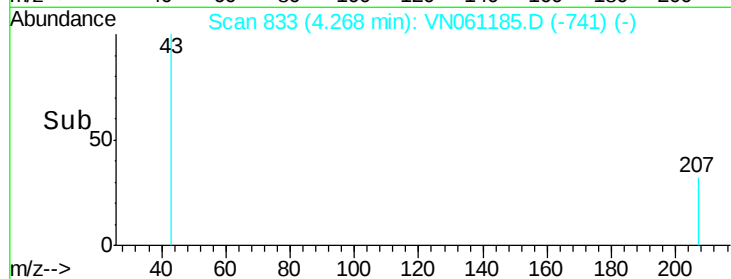
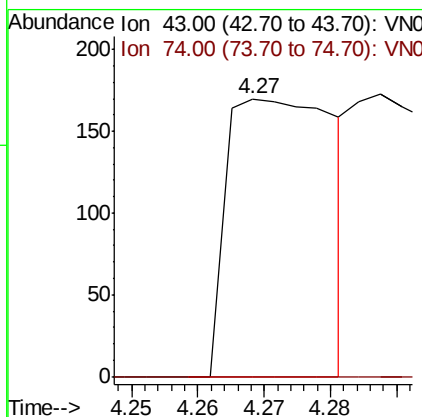
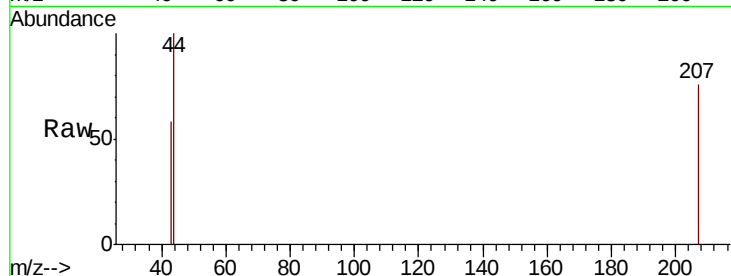




#18
Methvl Acetate
Concen: 0.776 ug/l
RT: 4.27 min Scan# 833
Delta R.T. -0.01 min
Lab File: VN061185.D
Acq: 29 Apr 2020 12:18

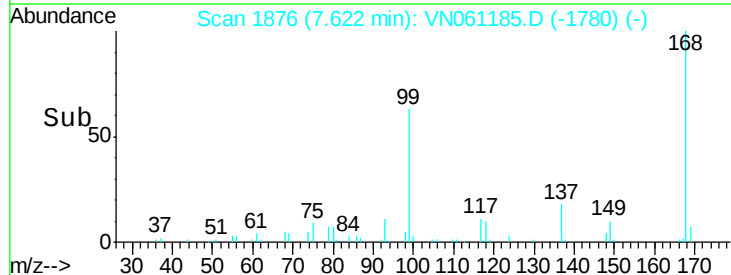
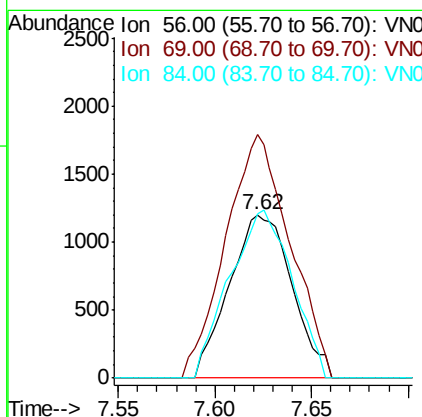
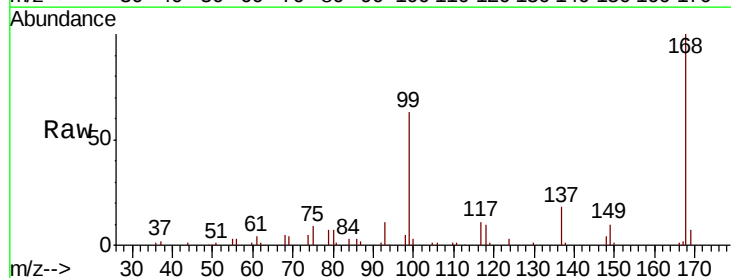
Instrument :
MSVOA_N
ClientSampleId :

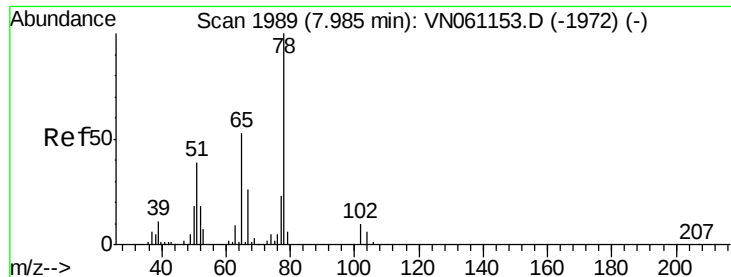
Tot Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061185.D
Acq: 29 Apr 2020 12:18

Tgt Ion: 56 Resp: 2697
Ion Ratio Lower Upper
56 100
69 149.1 25.7 38.5#
84 100.5 64.6 97.0#

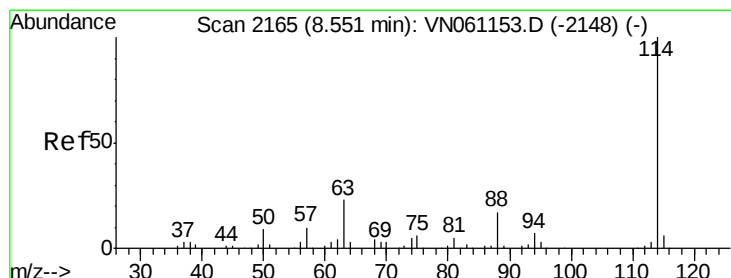
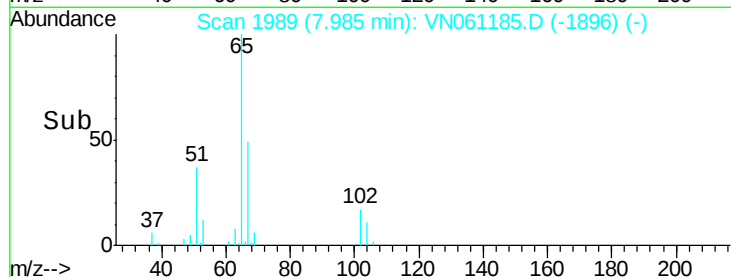
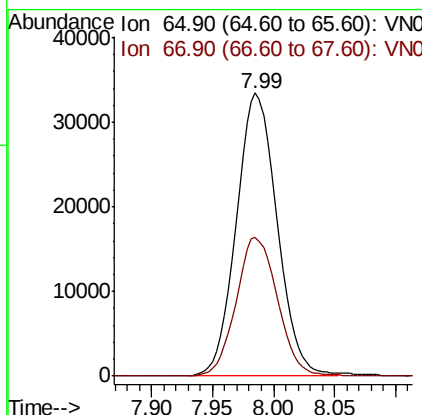
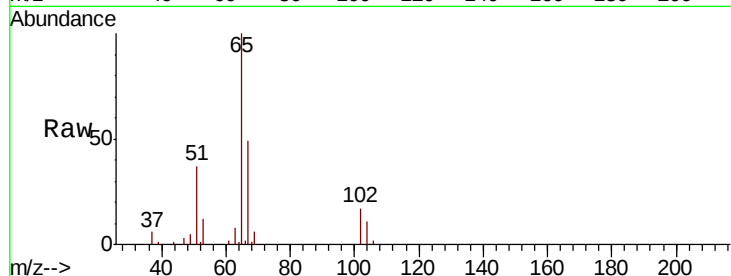




#33
 1,2-Dichloroethane-d4
 Concen: 50.625 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

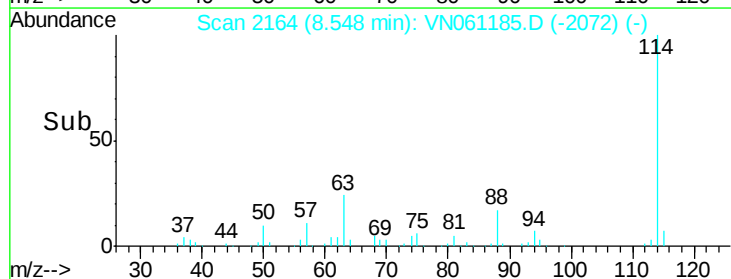
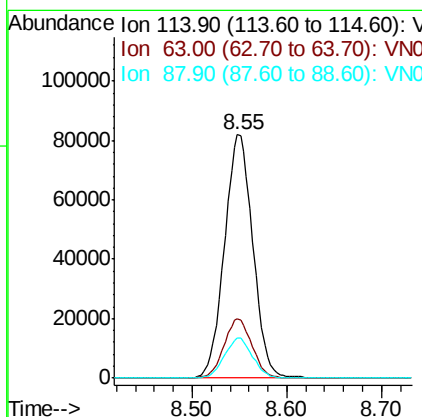
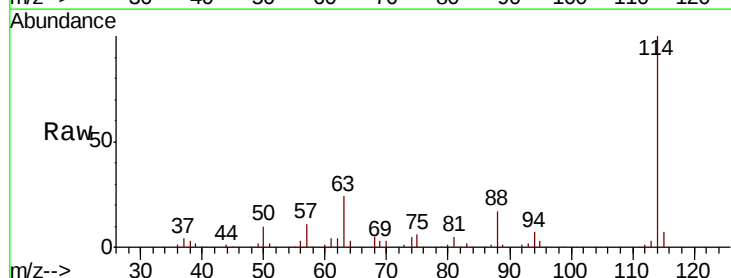
Instrument :
 MSVOA_N
 ClientSampleId :

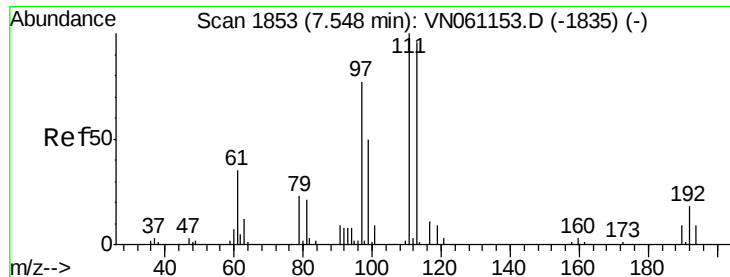
Tot Ion: 65 Resp: 77572
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

Tgt Ion: 114 Resp: 170738
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 46.6
 88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.884 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :

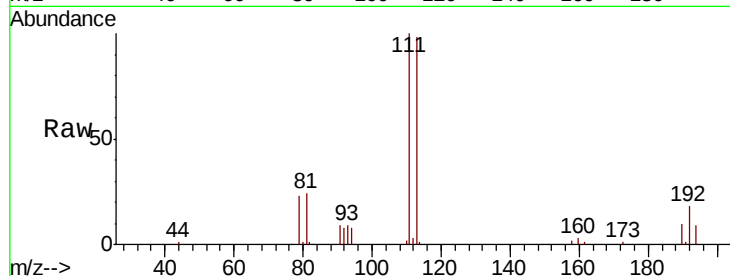
Tot Ion:113 Resp: 51373

Ion Ratio Lower Upper

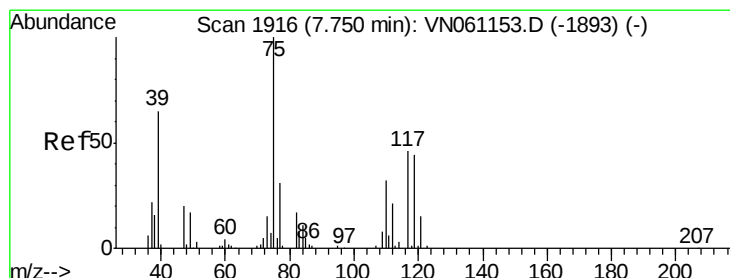
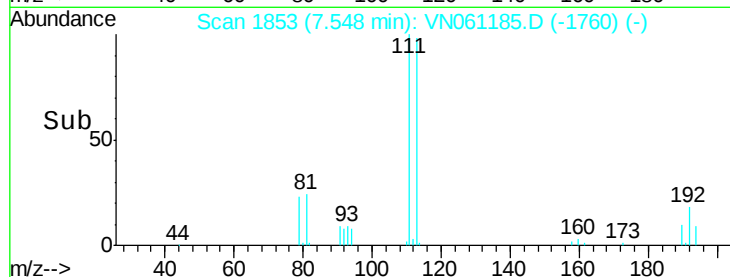
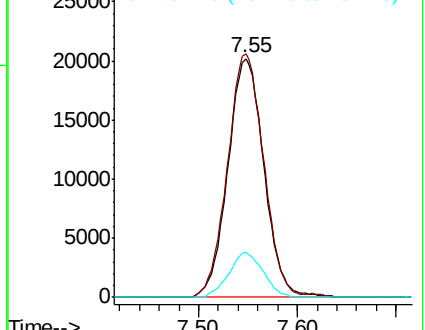
113 100

111 102.1 82.9 124.3

192 17.8 14.7 22.1



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: 5.416 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.13 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

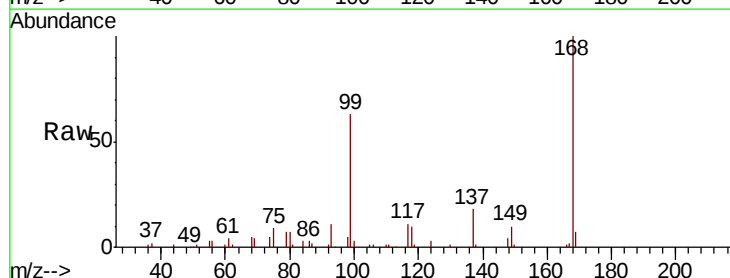
Tgt Ion: 75 Resp: 9257

Ion Ratio Lower Upper

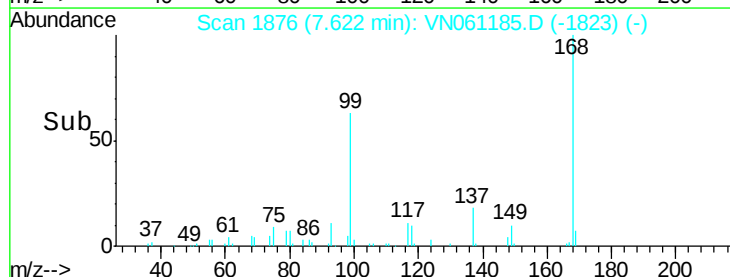
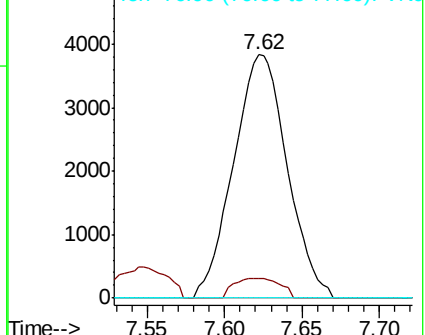
75 100

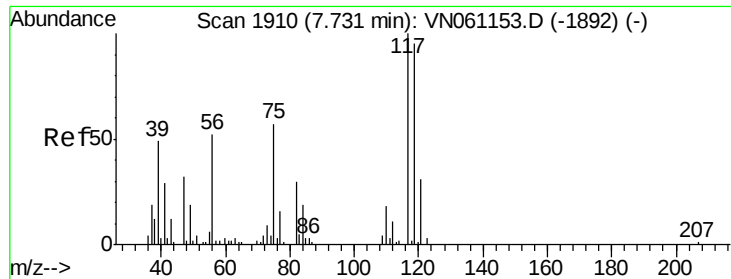
110 6.9 16.0 48.0#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

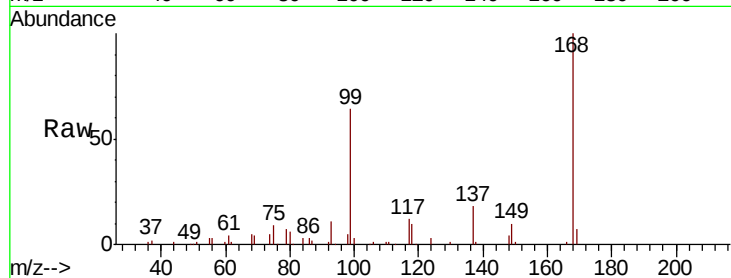




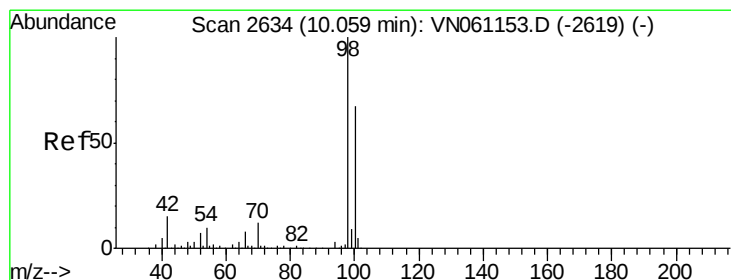
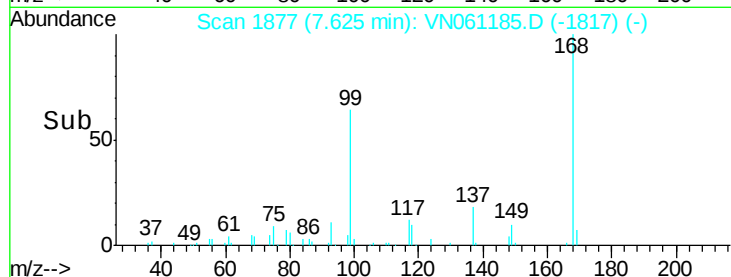
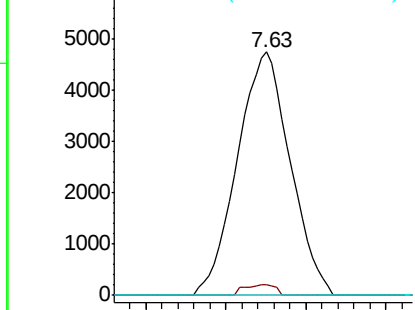
#38
Carbon Tetrachloride
Concen: 8.856 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. -0.11 min
Lab File: VN061185.D
Acq: 29 Apr 2020 12:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 10735
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.7 37.1#

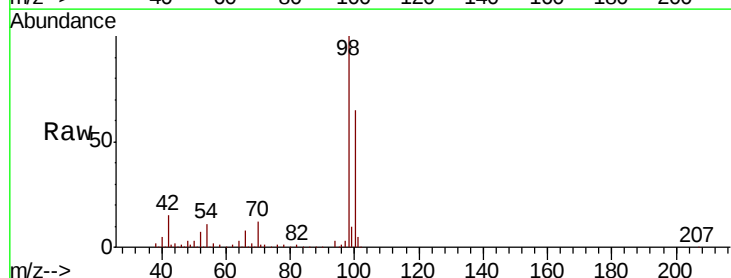


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

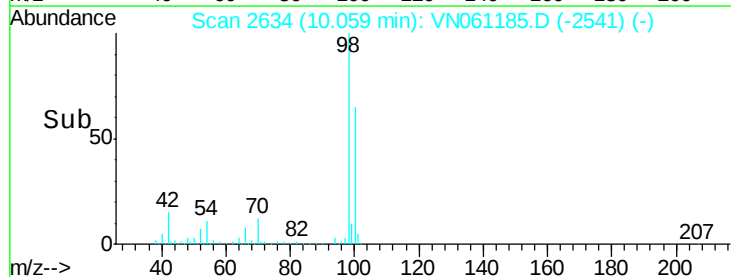
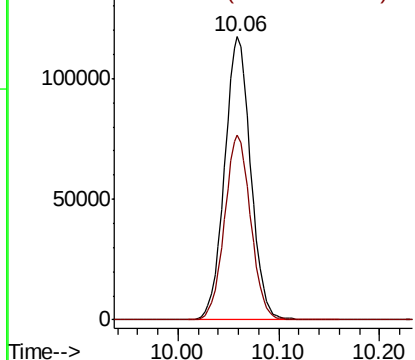


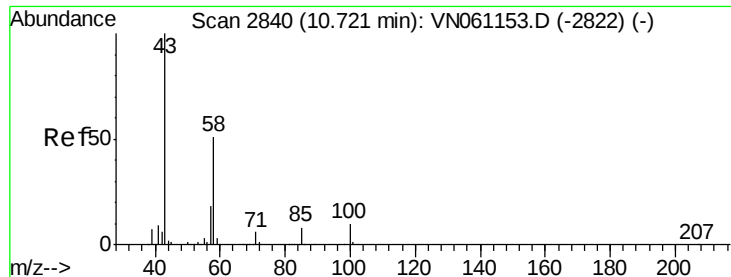
#50
Toluene-d8
Concen: 51.477 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061185.D
Acq: 29 Apr 2020 12:18

Tgt Ion: 98 Resp: 211865
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0



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





#59

2-Hexanone

Concen: 0.235 ug/l

RT: 10.72 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

Instrument :

MSVOA_N

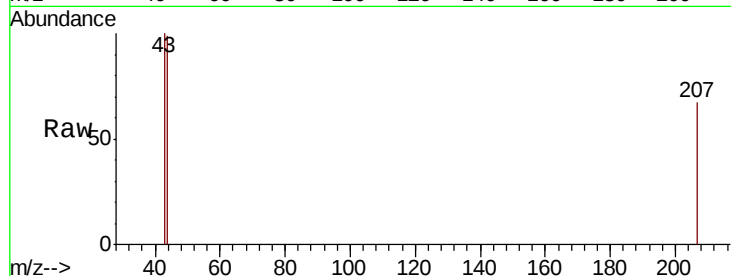
ClientSampled :

Tot Ion: 43 Resp: 334

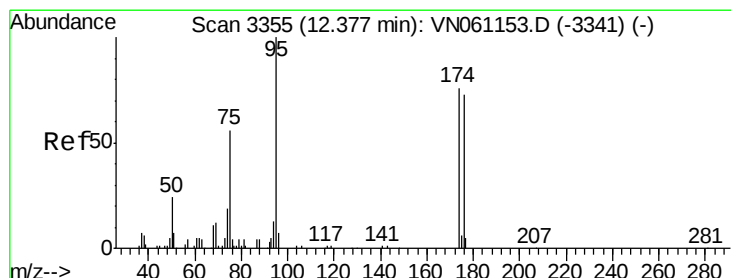
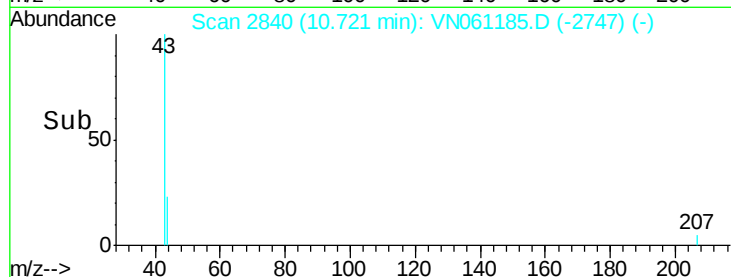
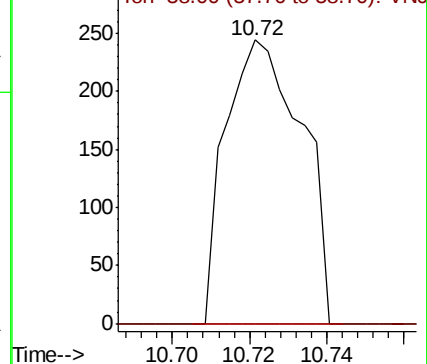
Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061185.D (-2747) (-)



#62

4-Bromofluorobenzene

Concen: 50.626 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

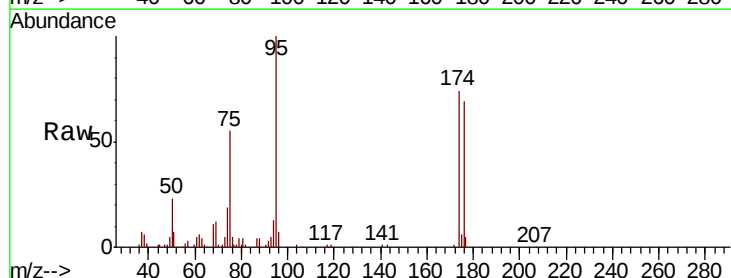
Tgt Ion: 95 Resp: 78410

Ion Ratio Lower Upper

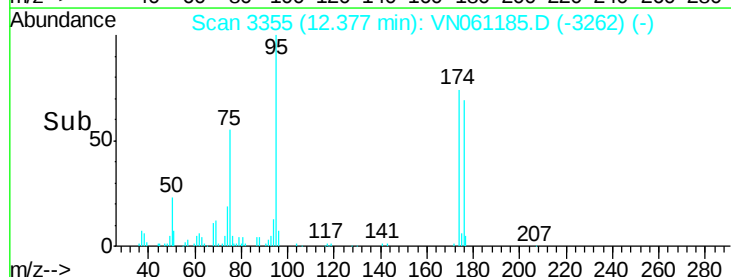
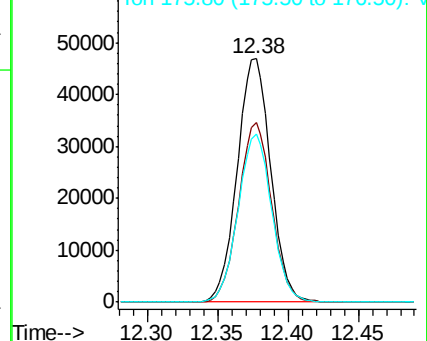
95 100

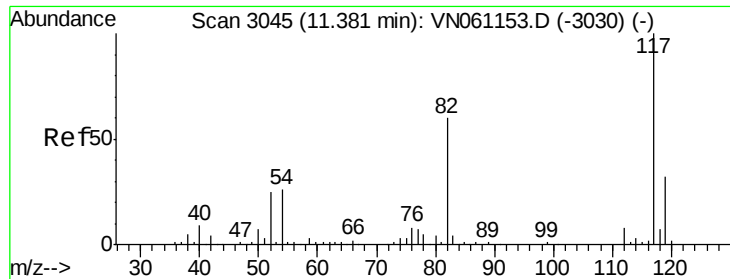
174 72.5 0.0 149.4

176 69.1 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061185.D (-3262) (-)

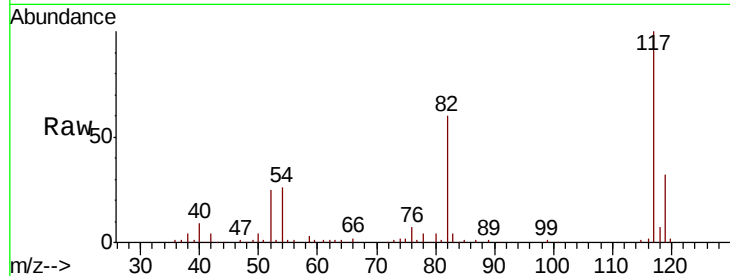




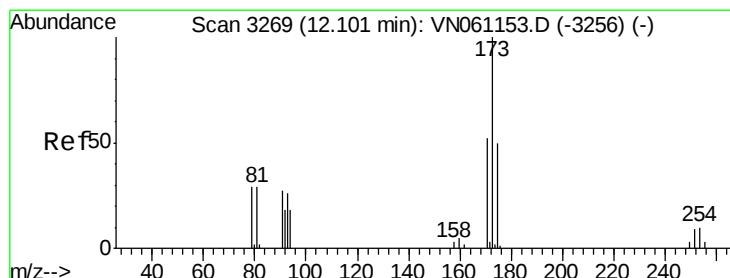
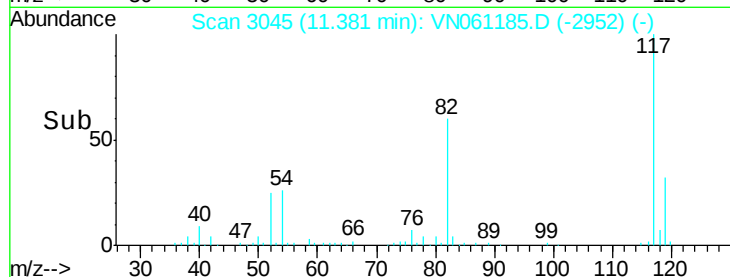
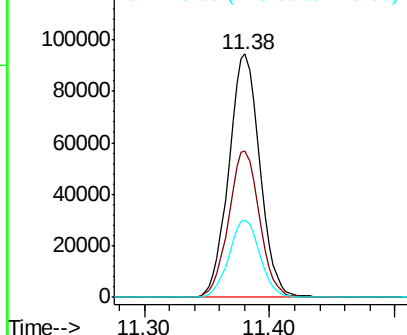
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. -0.00 min
Lab File: VN061185.D
Acq: 29 Apr 2020 12:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 162085
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.9 25.8 38.6

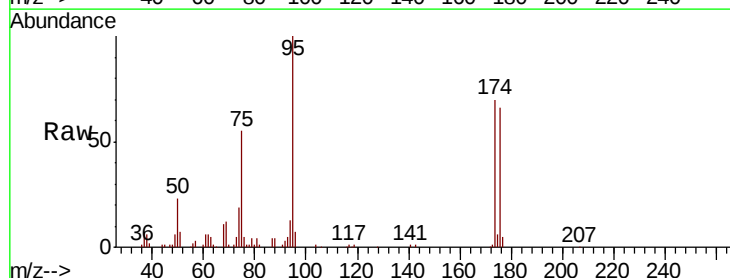


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

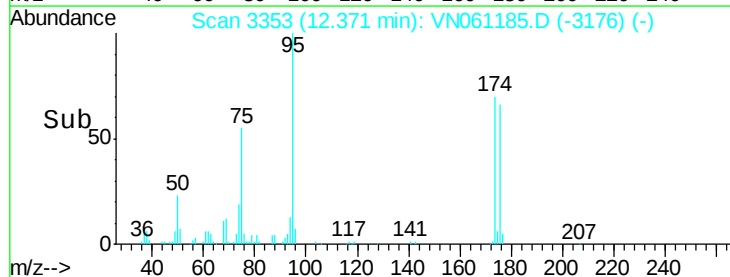
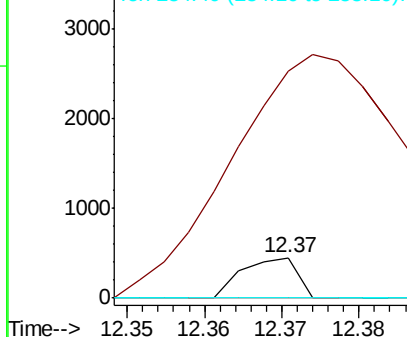


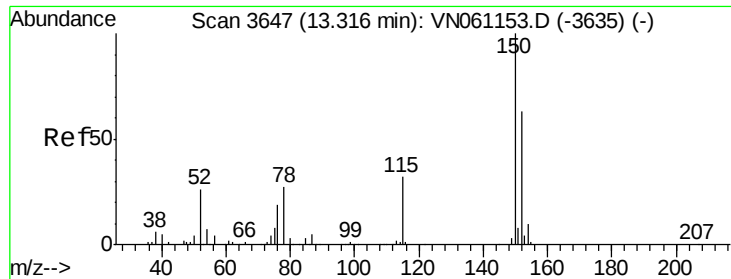
#71
Bromoform
Concen: 0.262 ug/l
RT: 12.37 min Scan# 3353
Delta R.T. 0.27 min
Lab File: VN061185.D
Acq: 29 Apr 2020 12:18

Tgt Ion:173 Resp: 222
Ion Ratio Lower Upper
173 100
175 1753.6 24.1 72.4#
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# 3647

Delta R.T. -0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

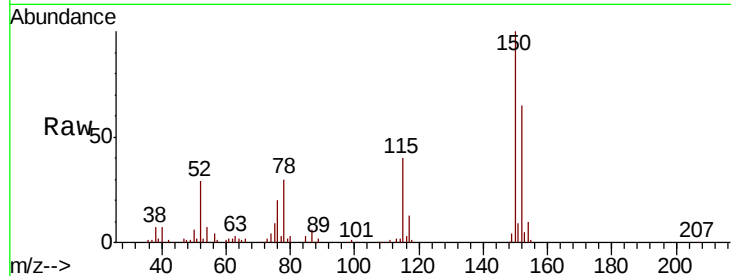
Tot Ion:152 Resp: 70748

Ion Ratio Lower Upper

152 100

115 61.7 31.0 93.0

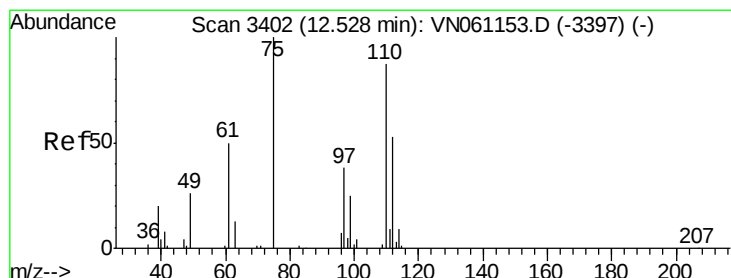
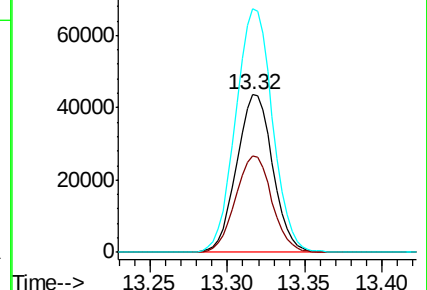
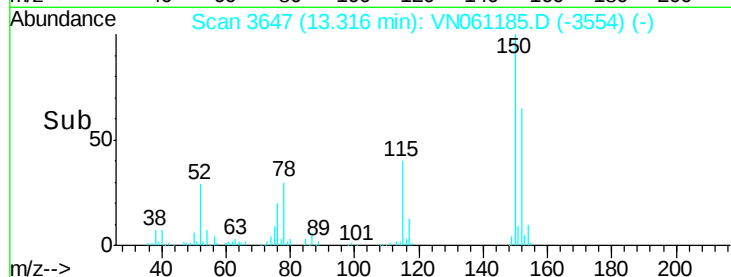
150 157.7 0.0 351.8



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: 28.924 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061185.D

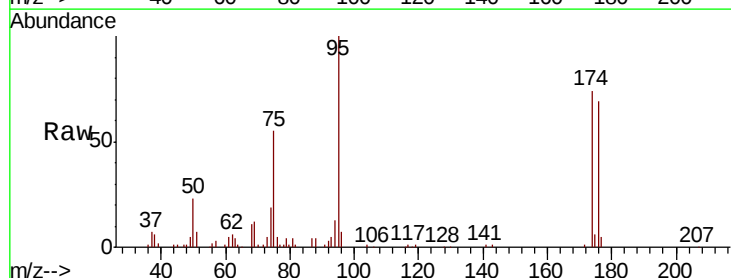
Acq: 29 Apr 2020 12:18

Tgt Ion: 75 Resp: 43142

Ion Ratio Lower Upper

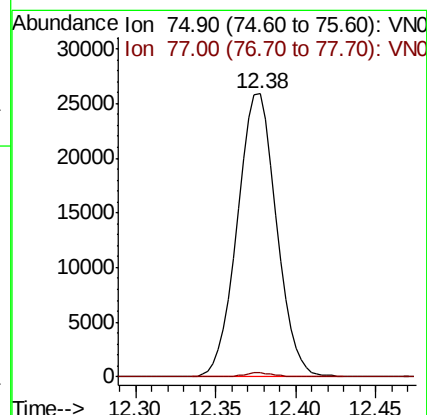
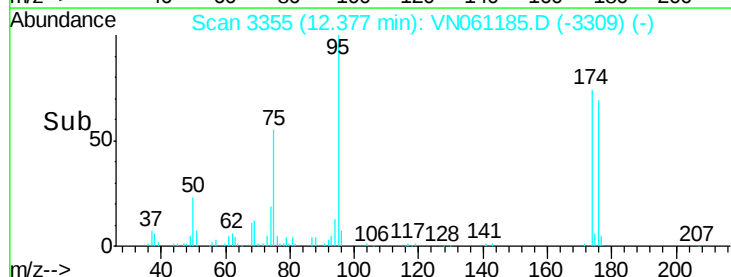
75 100

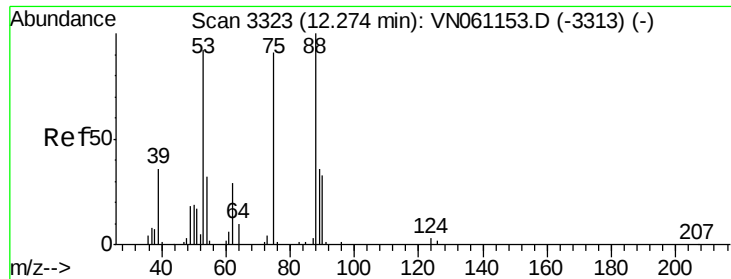
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.452 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

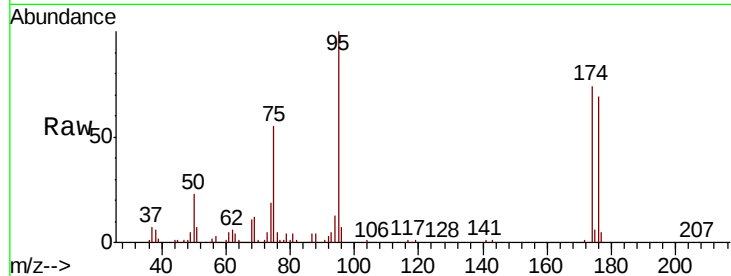
Tot Ion: 75 Resp: 43142

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

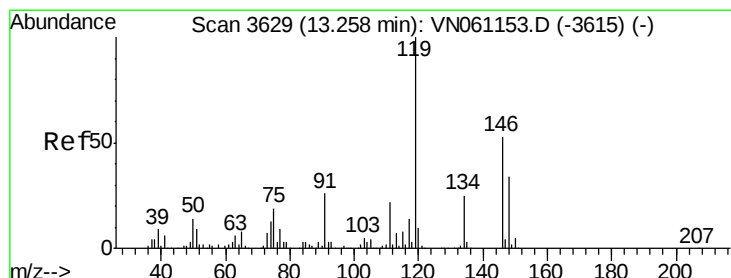
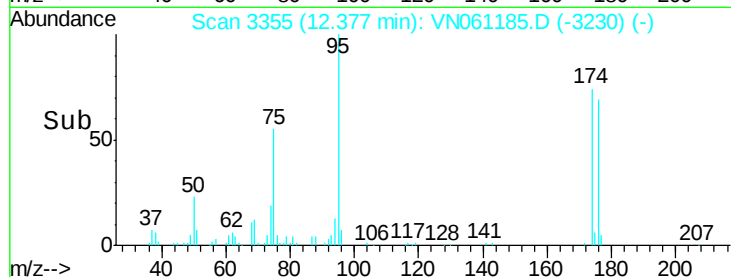
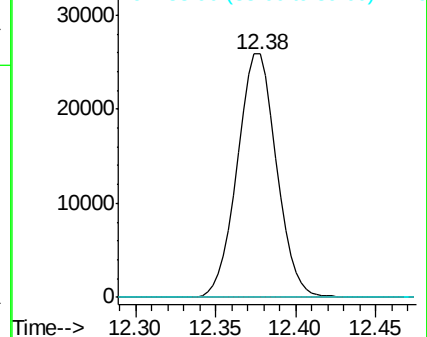
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061185.D (-3230) (-)

Ion 53.00 (52.70 to 53.70): VN061185.D (-3230) (-)

Ion 88.90 (88.60 to 89.60): VN061185.D (-3230) (-)



#87

1,3-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.26 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

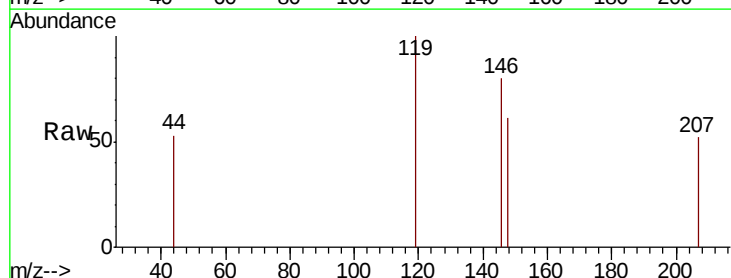
Tgt Ion: 146 Resp: 446

Ion Ratio Lower Upper

146 100

111 0.0 20.7 62.1#

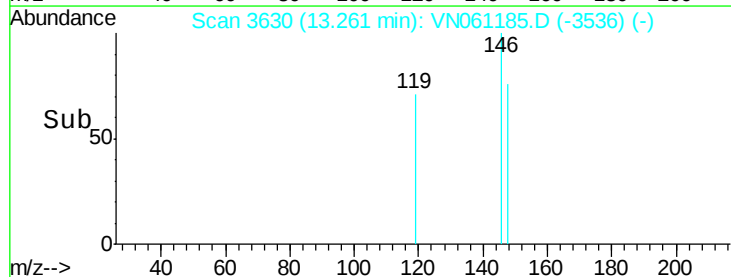
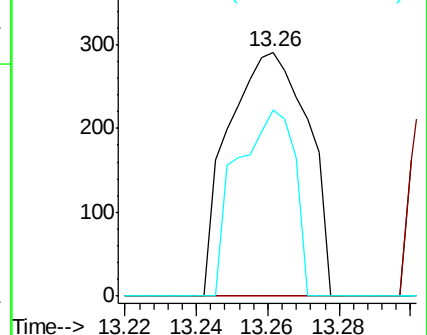
148 55.6 31.8 95.3

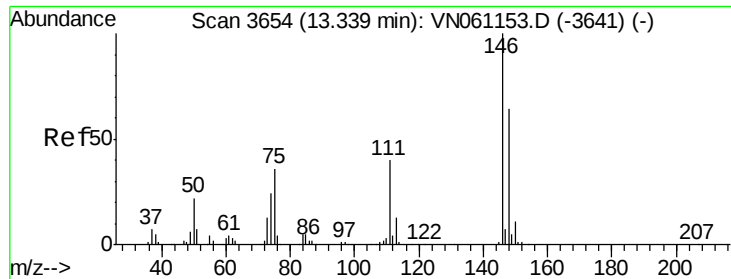


Abundance Ion 145.90 (145.60 to 146.60): VN061185.D (-3536) (-)

Ion 110.90 (110.60 to 111.60): VN061185.D (-3536) (-)

Ion 147.90 (147.60 to 148.60): VN061185.D (-3536) (-)





#88

1,4-Dichlorobenzene

Concen: 0.253 ug/l

RT: 13.34 min Scan# 3653

Delta R.T. -0.00 min

Lab File: VN061185.D

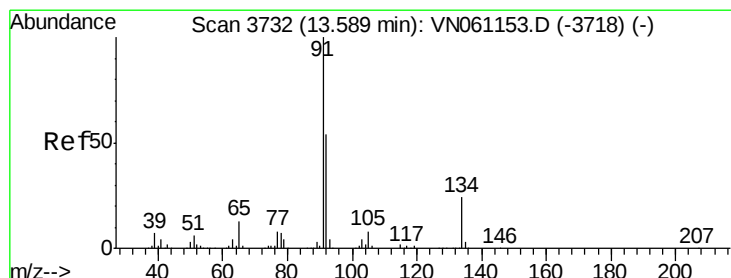
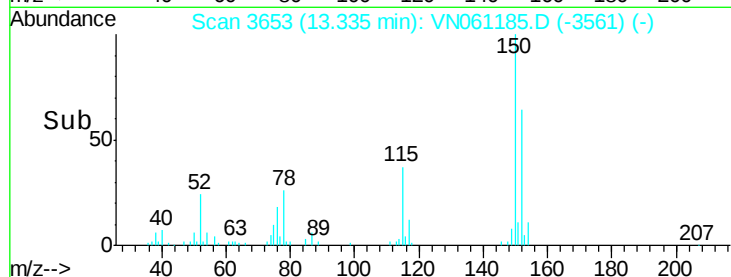
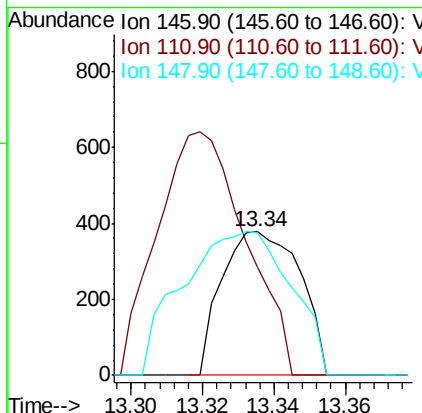
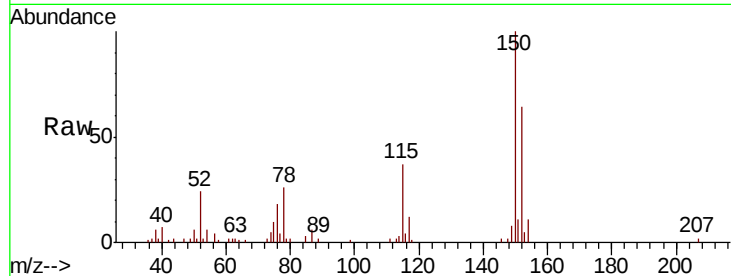
Acq: 29 Apr 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	572
Ion	Ratio	Lower	Upper
146	100		
111	191.1	20.4	61.3#
148	139.0	31.9	95.7#



#89

n-Butylbenzene

Concen: 0.233 ug/l

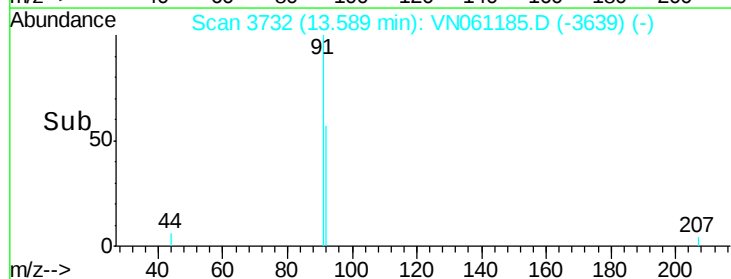
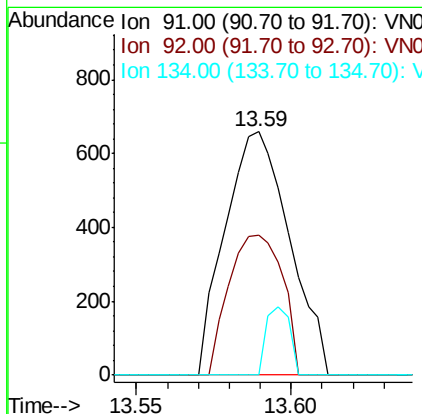
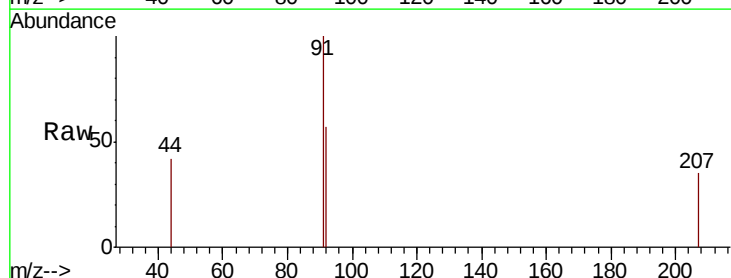
RT: 13.59 min Scan# 3732

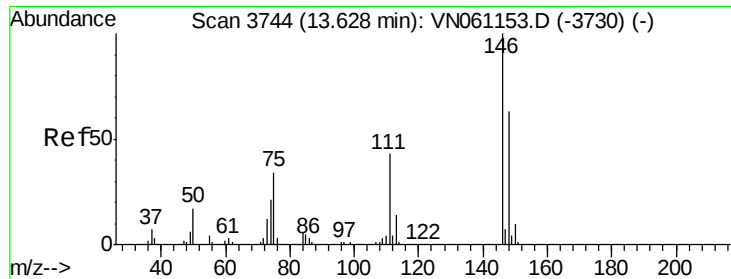
Delta R.T. -0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

Tgt Ion:	91	Resp:	952
Ion	Ratio	Lower	Upper
91	100		
92	47.8	26.8	80.3
134	10.2	11.9	35.5#

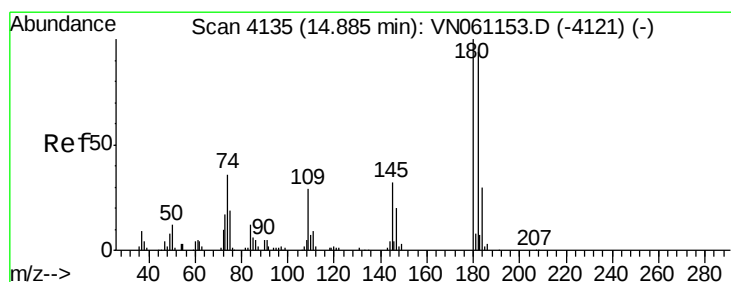
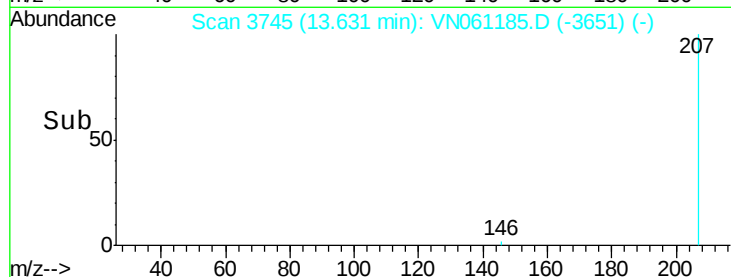
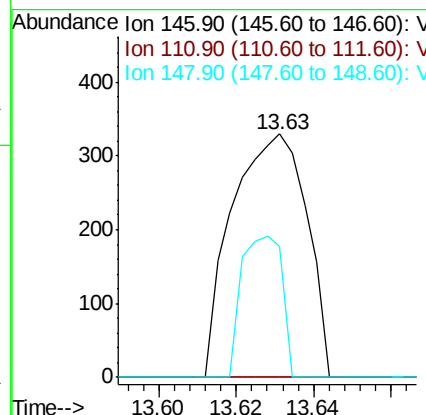
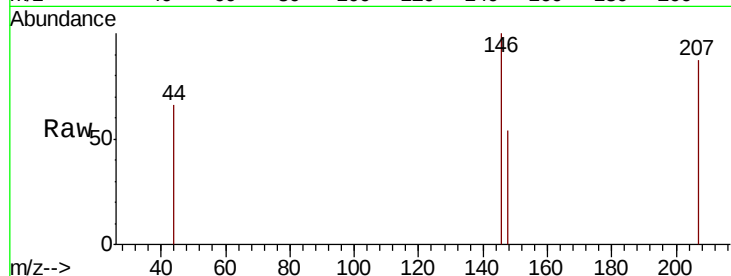




#91
 1,2-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.63 min Scan# 3745
 Delta R.T. 0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

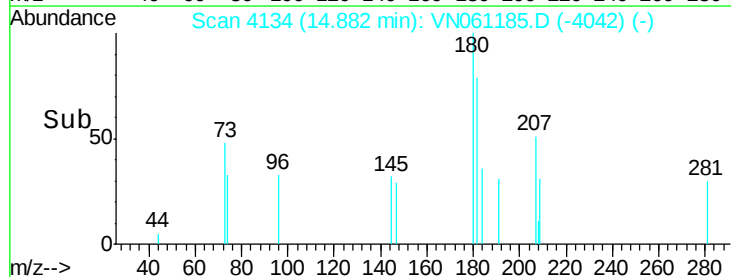
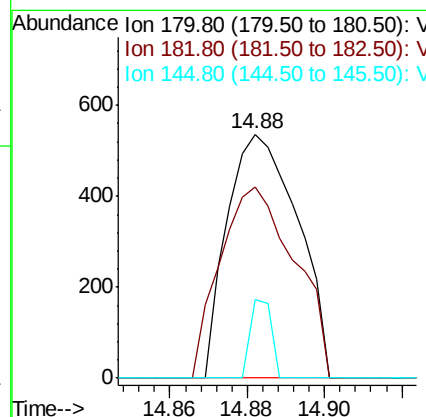
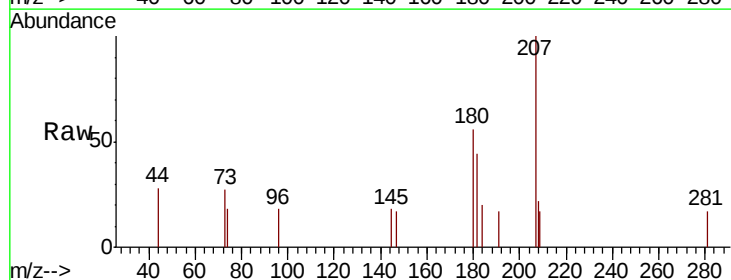
Instrument :
 MSVOA_N
 ClientSampleId :

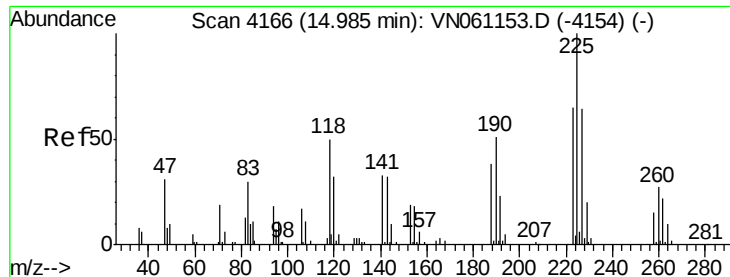
Tot Ion:146 Resp: 441
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.8 65.3#
 148 31.5 31.6 95.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.525 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

Tgt Ion:180 Resp: 678
 Ion Ratio Lower Upper
 180 100
 182 83.3 47.3 141.9
 145 9.6 16.0 47.9#





#94

Hexachlorobutadiene

Concen: 0.375 ug/l

RT: 14.98 min Scan# 4165

Delta R.T. -0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

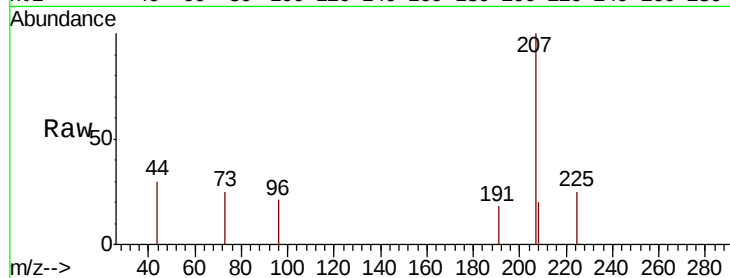
Tot Ion:225 Resp: 202

Ion Ratio Lower Upper

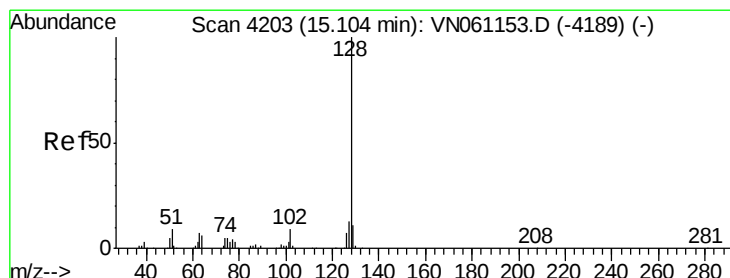
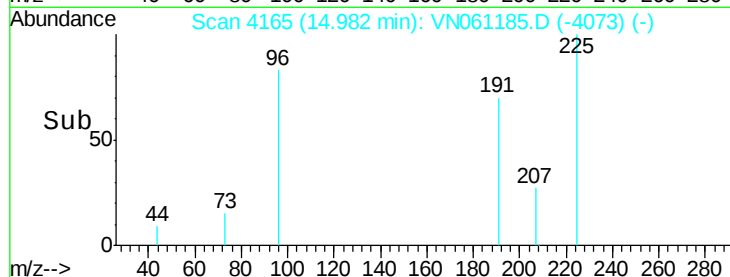
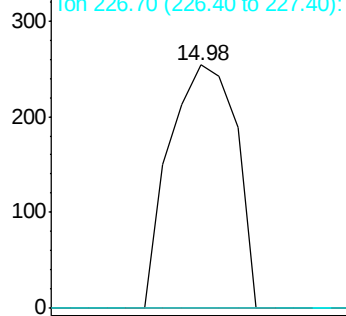
225 100

223 0.0 32.4 97.0#

227 0.0 32.4 97.0#



Abundance Ion 224.70 (224.40 to 225.40): V



#95

Naphthalene

Concen: 0.594 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061185.D

Acq: 29 Apr 2020 12:18

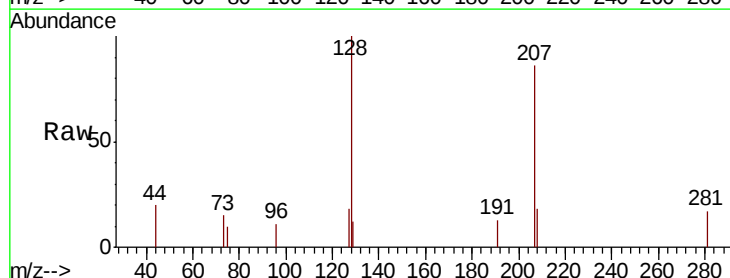
Tgt Ion:128 Resp: 2496

Ion Ratio Lower Upper

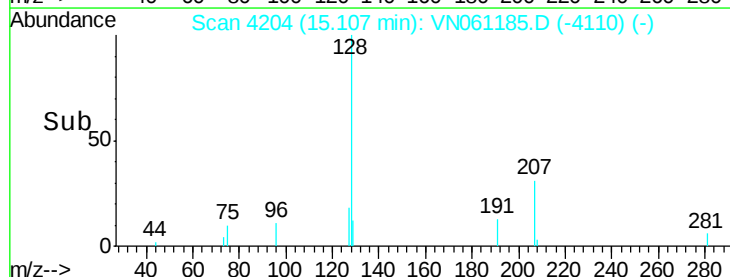
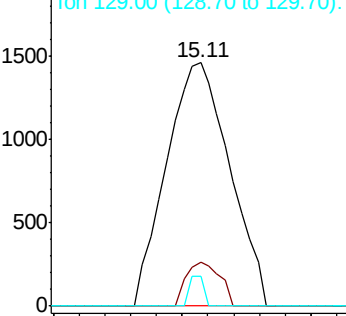
128 100

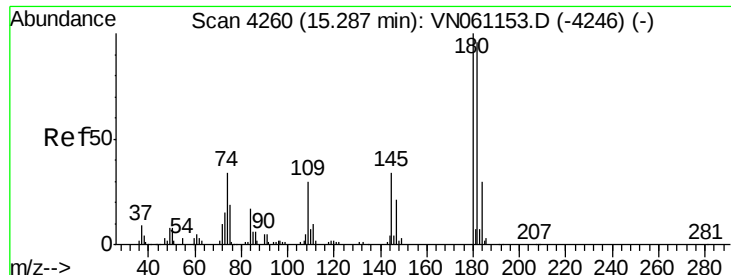
127 9.7 10.4 15.6#

129 2.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.527 ug/l
 RT: 15.29 min Scan# 4260
 Delta R.T. 0.00 min
 Lab File: VN061185.D
 Acq: 29 Apr 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 672
 Ion Ratio Lower Upper
 180 100
 182 104.9 47.5 142.5
 145 9.2 16.9 50.7#

