

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061291.D
 Acq On : 5 May 2020 14:55
 Operator : JC/MD
 Sample : L2462-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 03:47:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	94473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	169827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	158758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	67834	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	76699	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
35) Dibromofluoromethane	7.55	113	49030	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	10.06	98	208446	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.38	95	76156	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

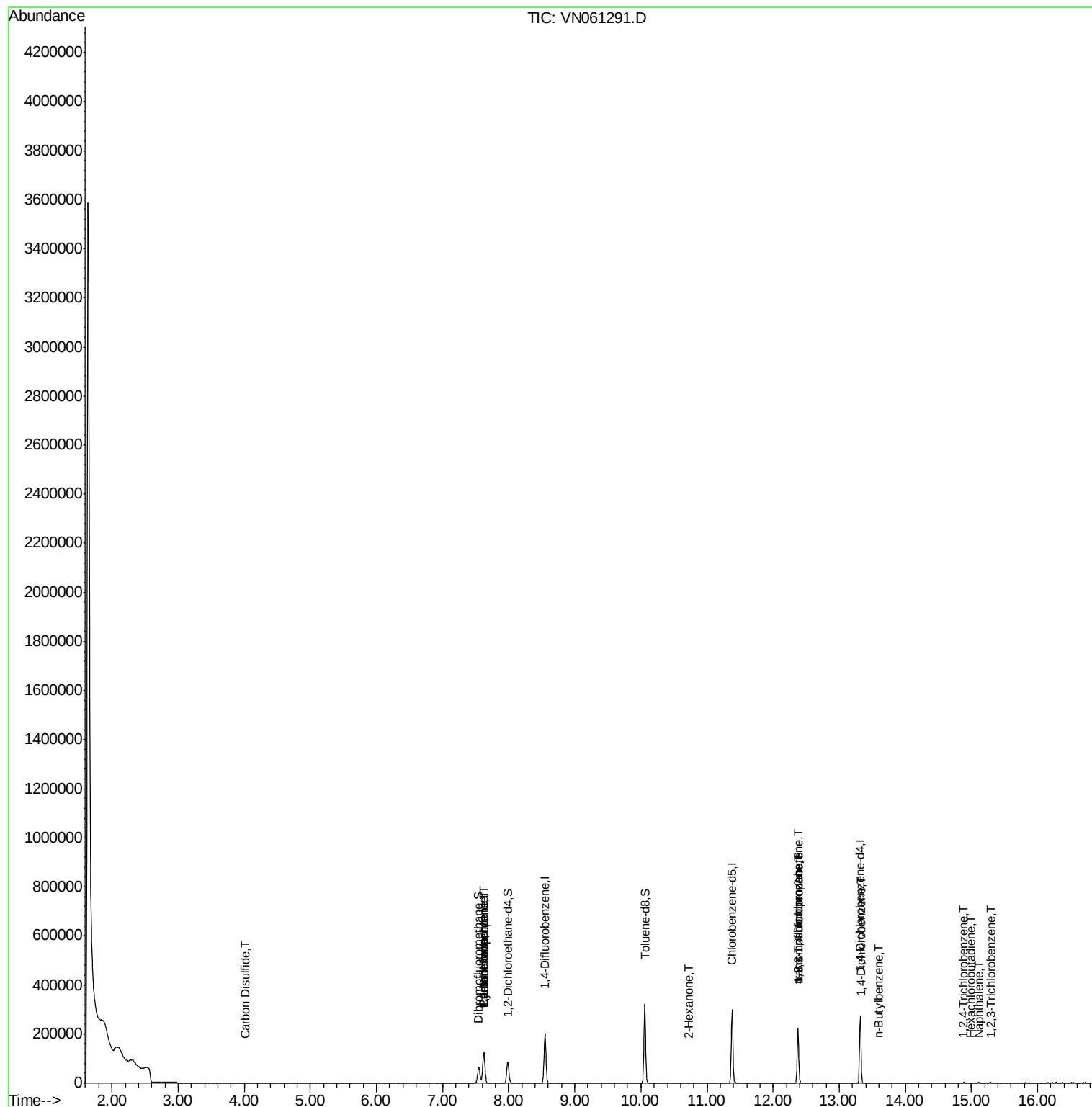
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	969	Below Cal	#	47
17) Carbon Disulfide	4.01	76	630	0.229	ug/l #	75
31) Cyclohexane	7.63	56	2624	1.207	ug/l #	13
36) 1,1-Dichloropropene	7.62	75	8795	5.173	ug/l #	49
38) Carbon Tetrachloride	7.62	117	10105	8.503	ug/l #	16
59) 2-Hexanone	10.72	43	328	0.232	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	42132	29.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	42132	74.814	ug/l #	8
88) 1,4-Dichlorobenzene	13.34	146	498	0.230	ug/l #	1
89) n-Butylbenzene	13.59	91	795	0.203	ug/l #	67
93) 1,2,4-Trichlorobenzene	14.89	180	511	0.413	ug/l #	78
94) Hexachlorobutadiene	14.98	225	297	0.575	ug/l #	38
95) Naphthalene	15.11	128	2066	0.513	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.28	180	559	0.458	ug/l #	78

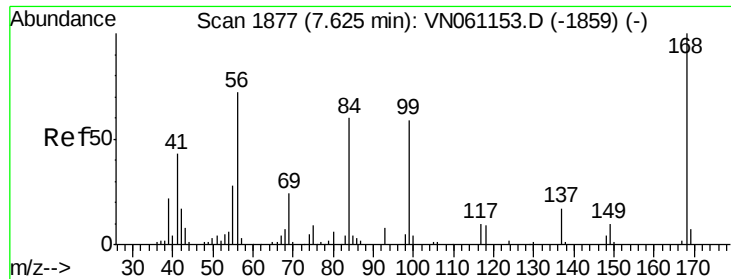
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

Instrument :

MSVOA_N

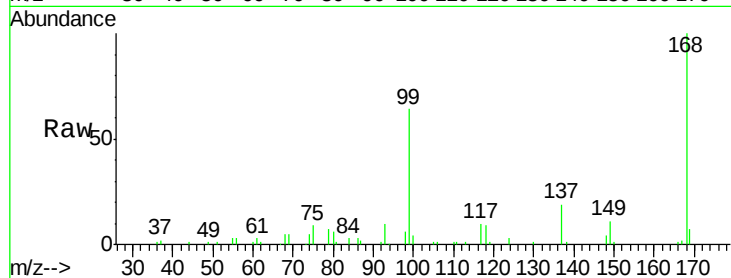
ClientSampled :

Tot Ion:168 Resp: 94473

Ion Ratio Lower Upper

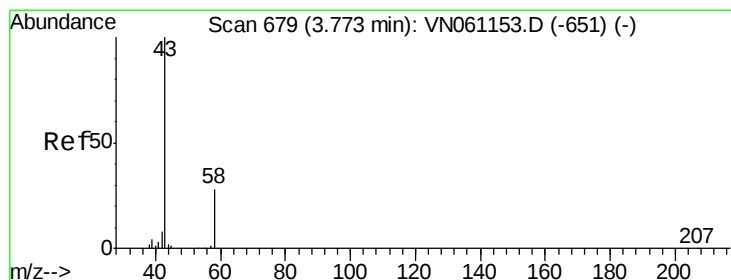
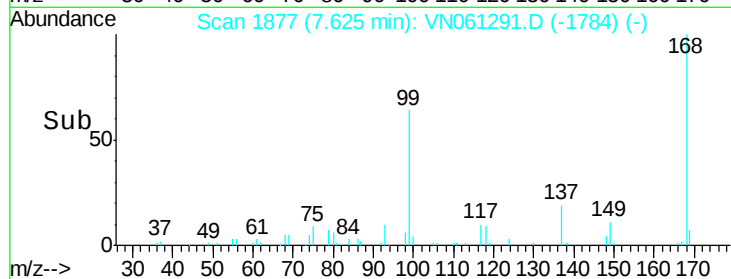
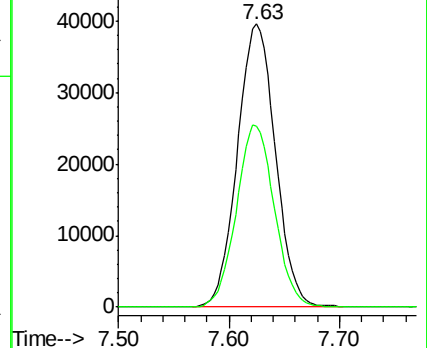
168 100

99 64.1 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 682

Delta R.T. 0.01 min

Lab File: VN061291.D

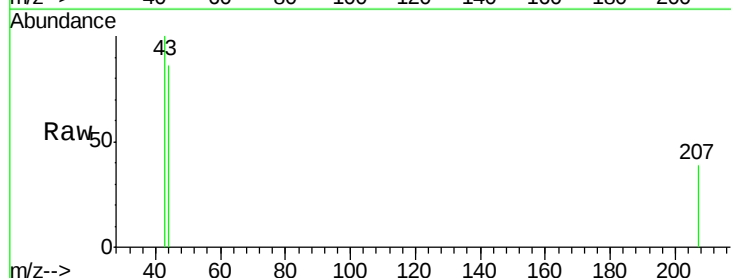
Acq: 5 May 2020 14:55

Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

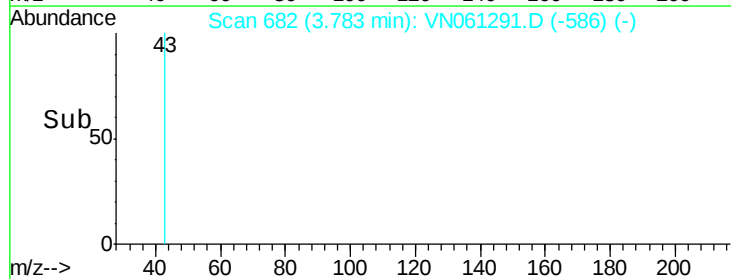
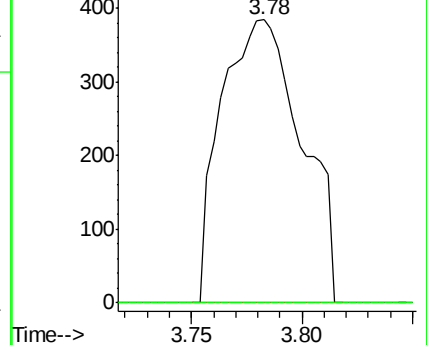
43 100

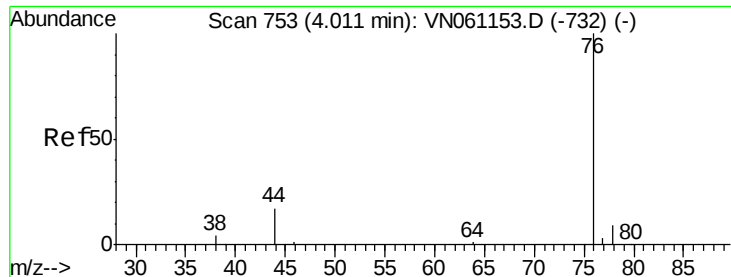
58 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 0.229 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

Instrument :

MSVOA_N

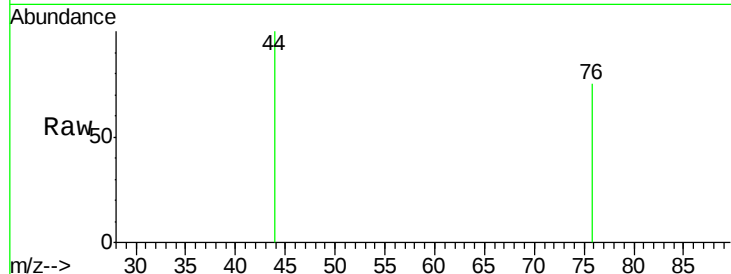
ClientSampleId :

Tot Ion: 76 Resp: 630

Ion Ratio Lower Upper

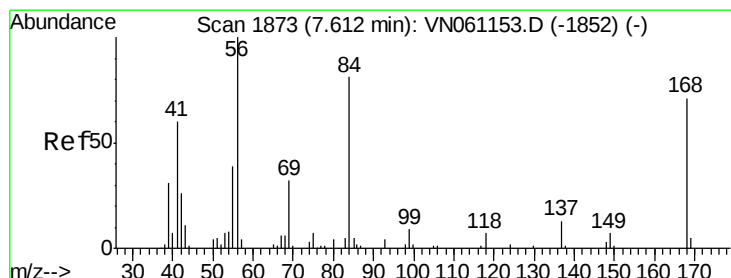
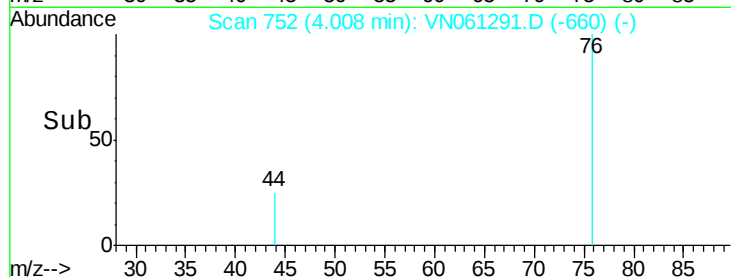
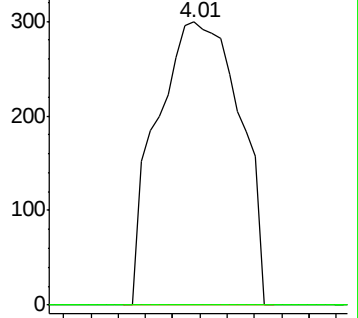
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. 0.02 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

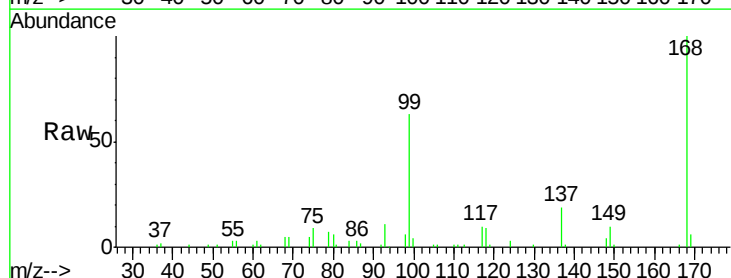
Tgt Ion: 56 Resp: 2624

Ion Ratio Lower Upper

56 100

69 161.1 25.7 38.5#

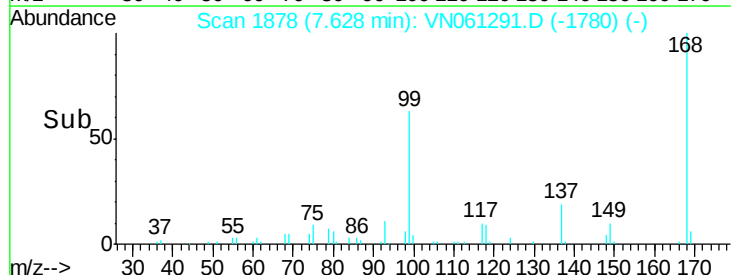
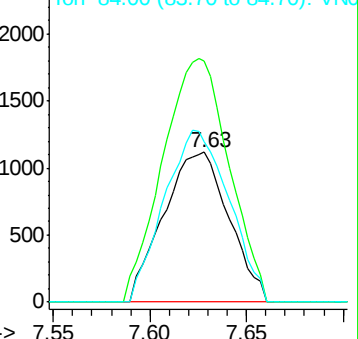
84 107.3 64.6 97.0#

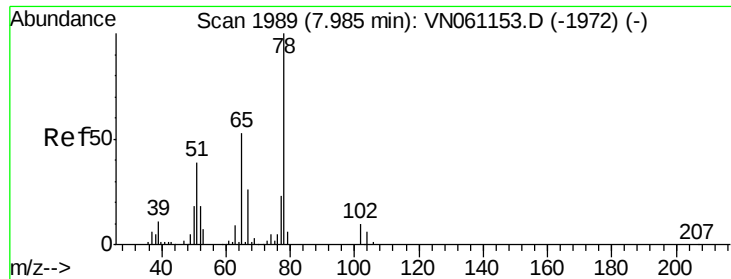


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

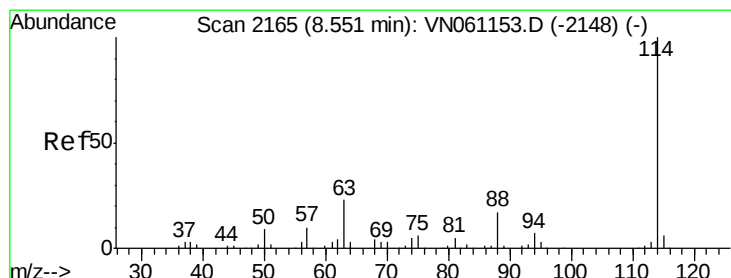
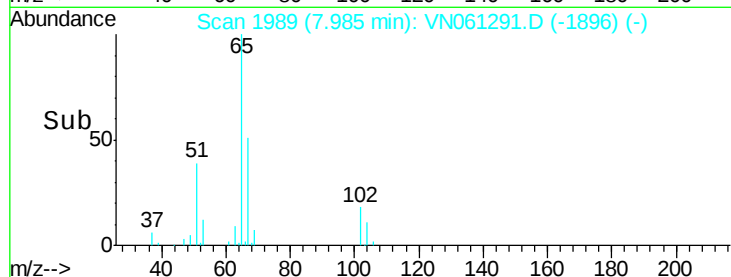
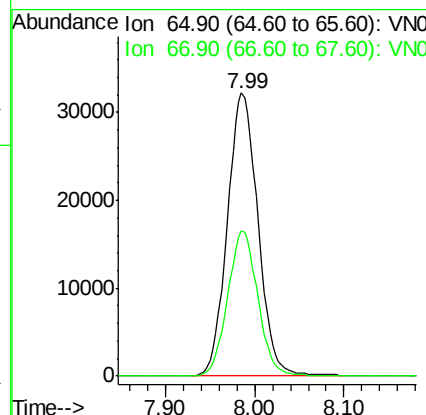
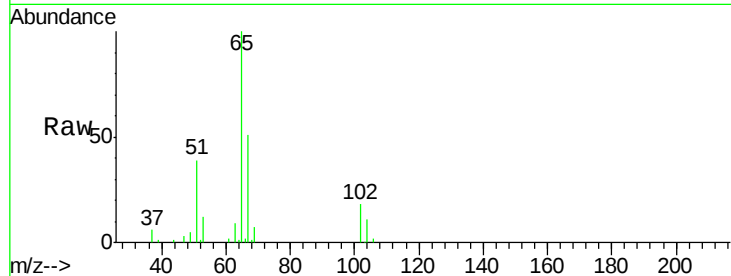




#33
 1,2-Dichloroethane-d4
 Concen: 51.309 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061291.D
 Acq: 5 May 2020 14:55

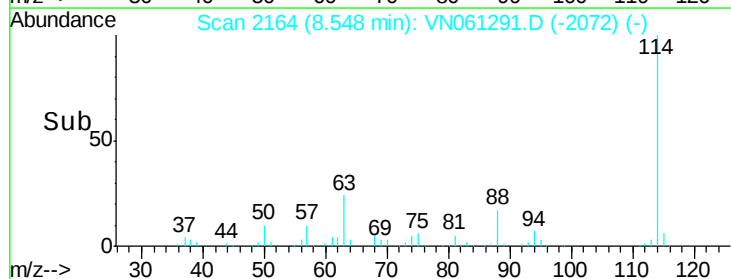
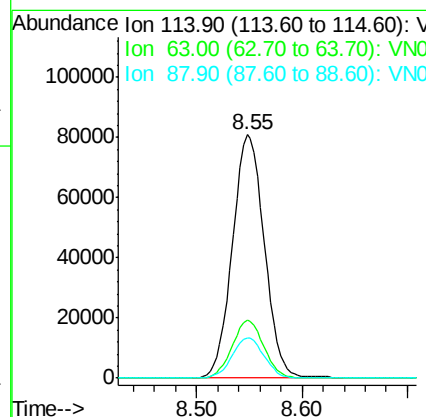
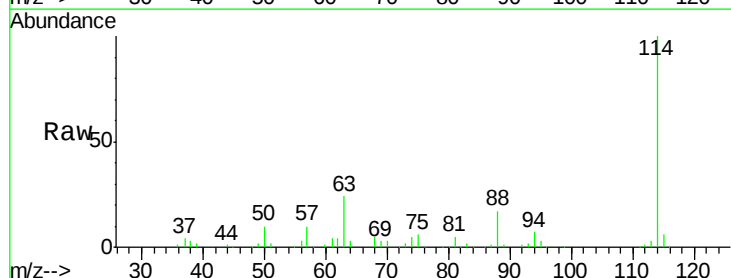
Instrument :
 MSVOA_N
 ClientSampleId :

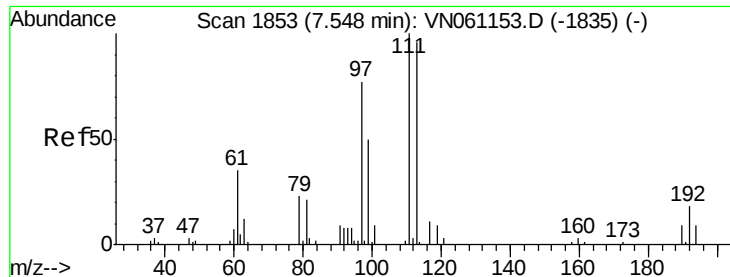
Tot Ion: 65 Resp: 76699
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061291.D
 Acq: 5 May 2020 14:55

Tgt Ion: 114 Resp: 169827
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.6
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.824 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

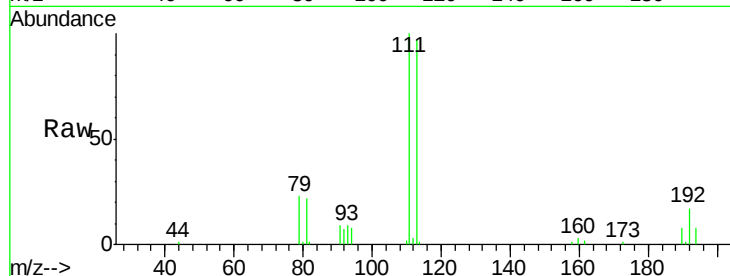
Tot Ion:113 Resp: 49030

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

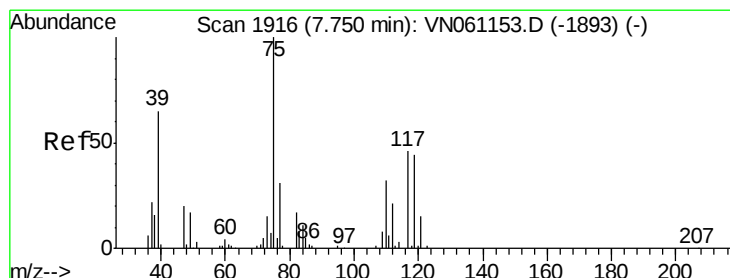
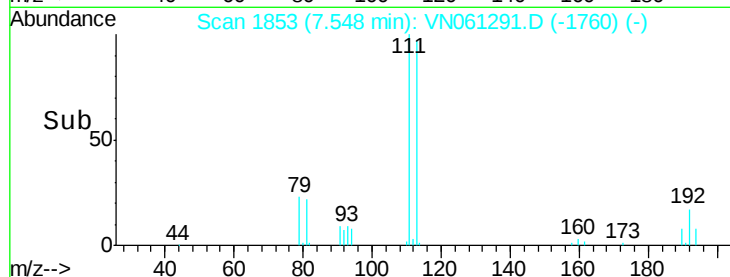
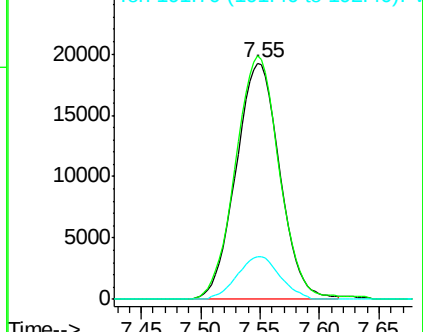
192 17.6 14.7 22.1



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: 5.173 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.13 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

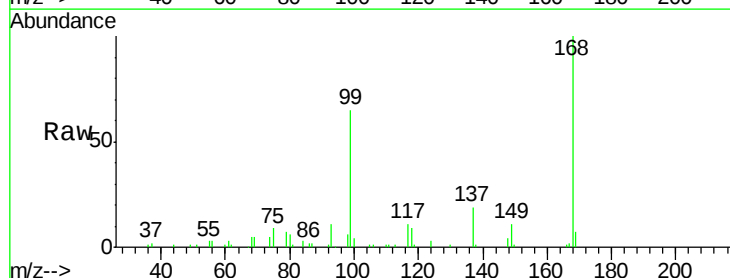
Tgt Ion: 75 Resp: 8795

Ion Ratio Lower Upper

75 100

110 6.7 16.0 48.0#

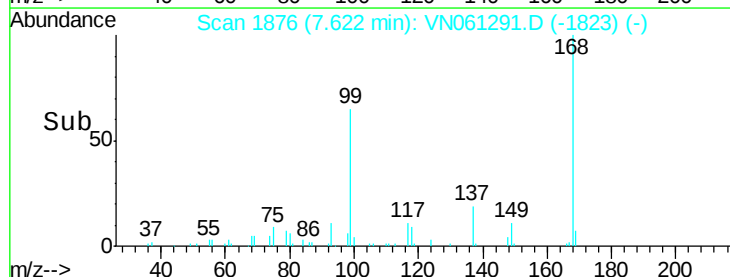
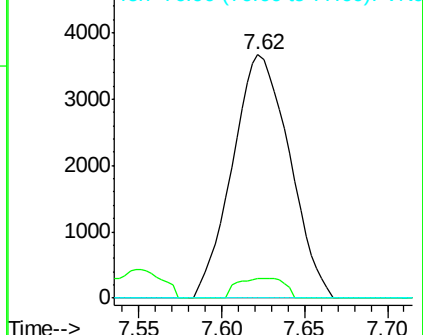
77 0.0 24.6 37.0#

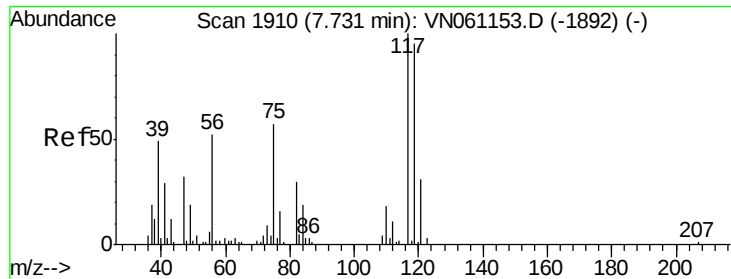


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

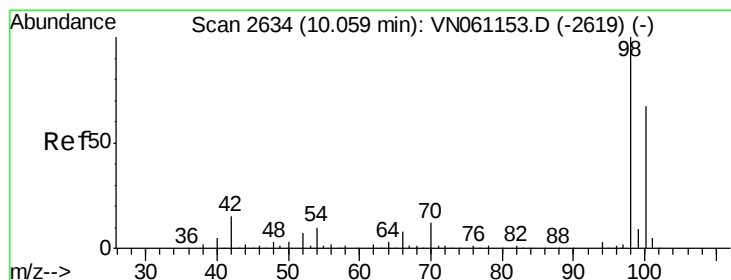
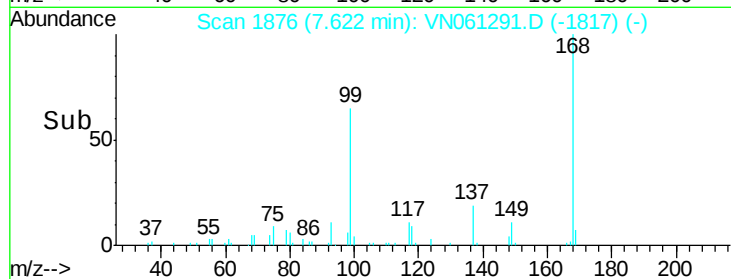
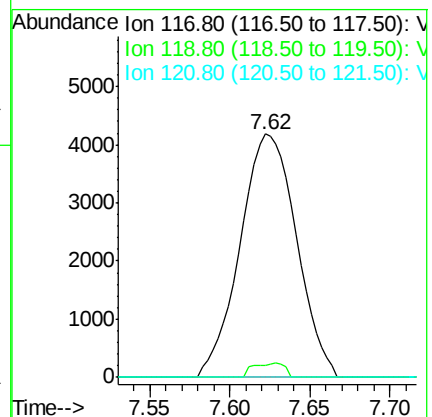
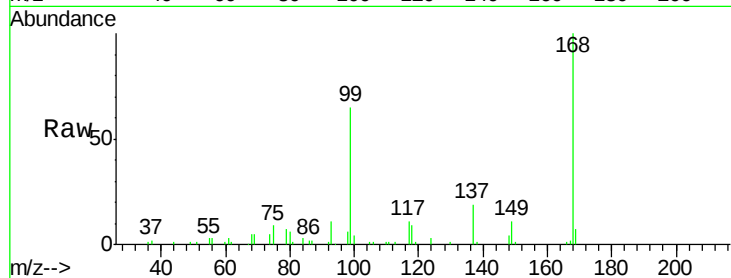




#38
Carbon Tetrachloride
Concen: 8.503 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.11 min
Lab File: VN061291.D
Acq: 5 May 2020 14:55

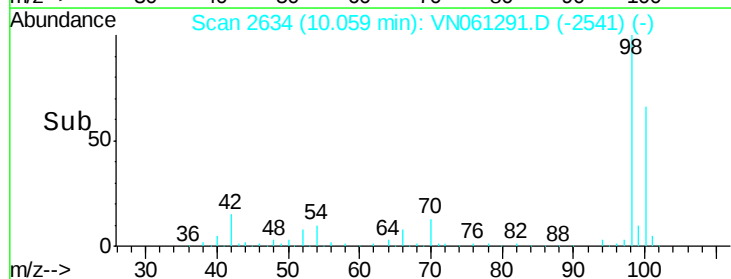
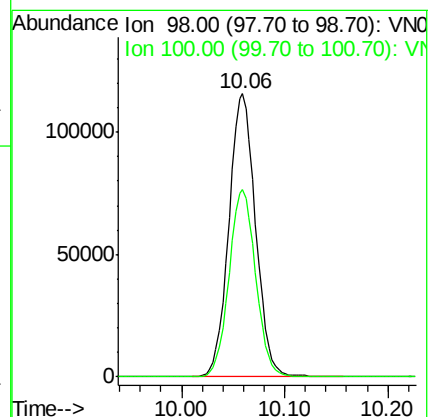
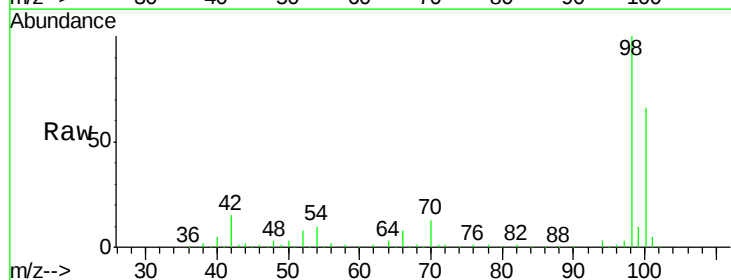
Instrument :
MSVOA_N
ClientSampled :

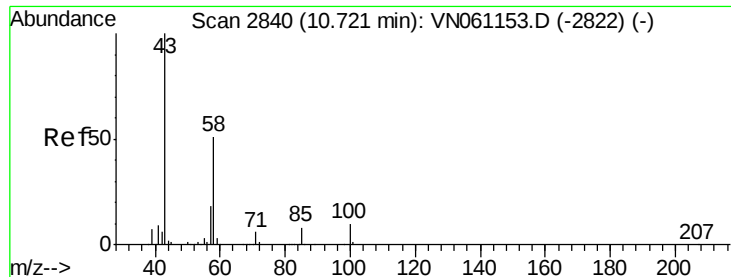
Tot Ion:117 Resp: 10105
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.918 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061291.D
Acq: 5 May 2020 14:55

Tgt Ion: 98 Resp: 208446
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0

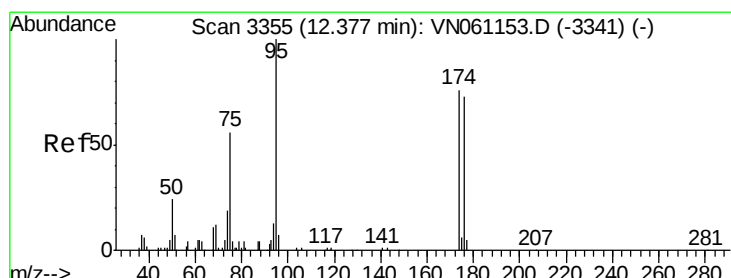
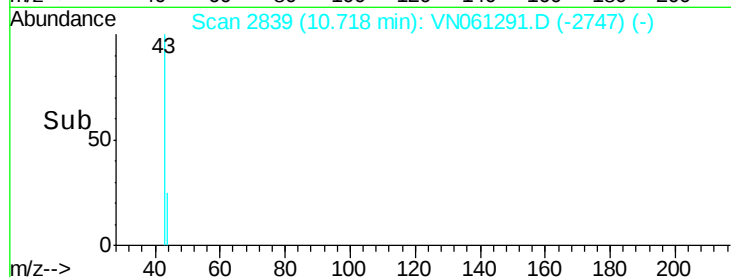
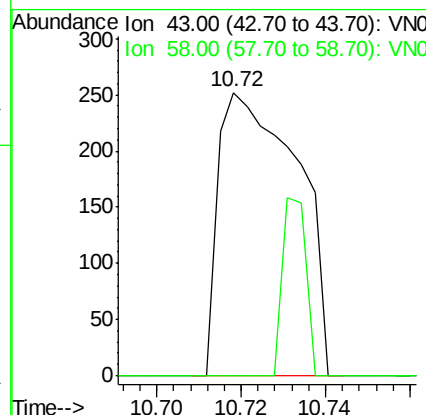
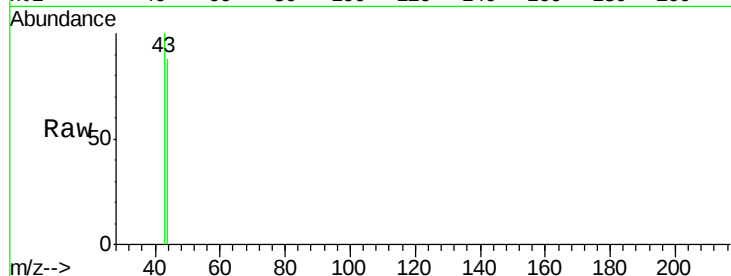




#59
2-Hexanone
Concen: 0.232 ug/l
RT: 10.72 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN061291.D
Acq: 5 May 2020 14:55

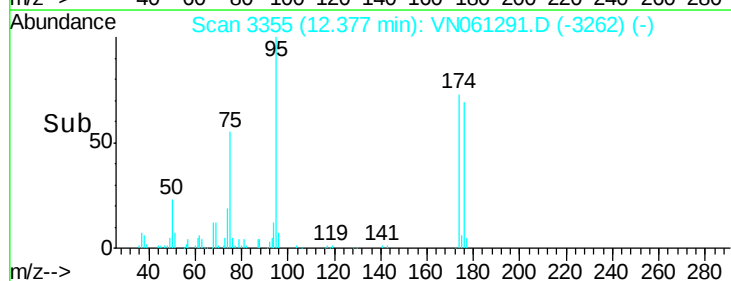
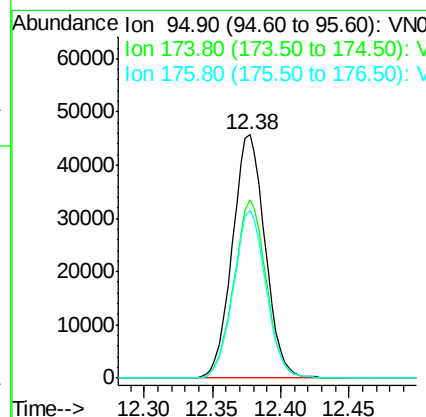
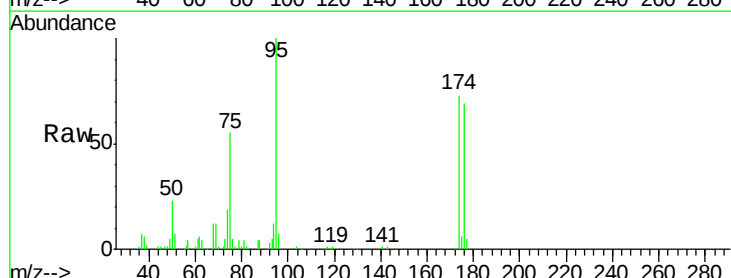
Instrument :
MSVOA_N
ClientSampleId :

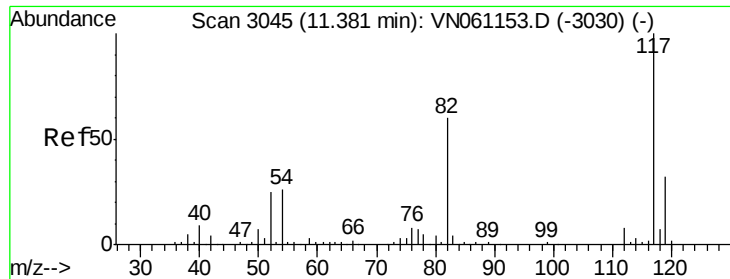
Tot Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
58 18.3 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 49.434 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061291.D
Acq: 5 May 2020 14:55

Tgt Ion: 95 Resp: 76156
Ion Ratio Lower Upper
95 100
174 72.1 0.0 149.4
176 68.4 0.0 144.8

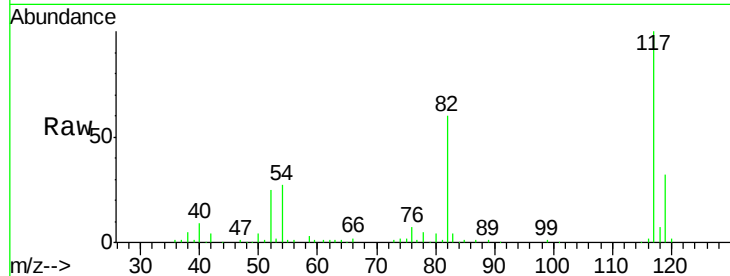




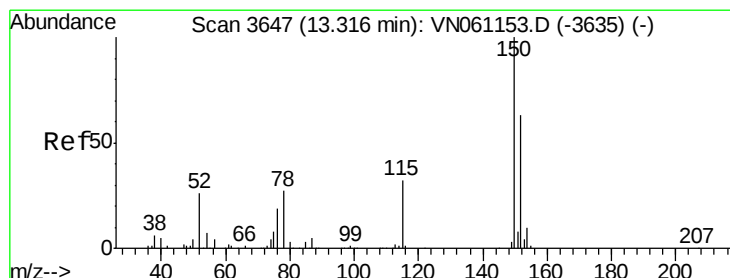
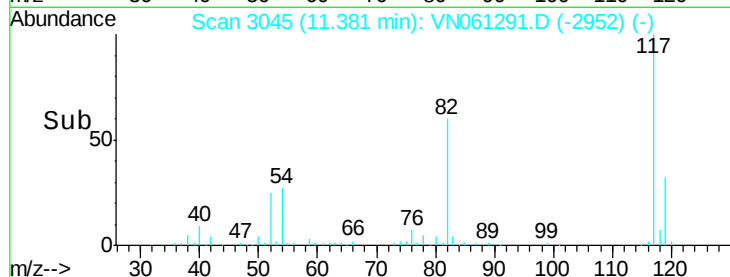
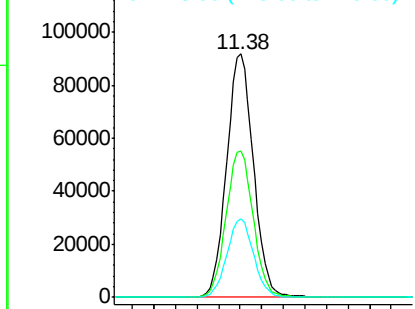
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. -0.00 min
Lab File: VN061291.D
Acq: 5 May 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 158758
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 32.0 25.8 38.6

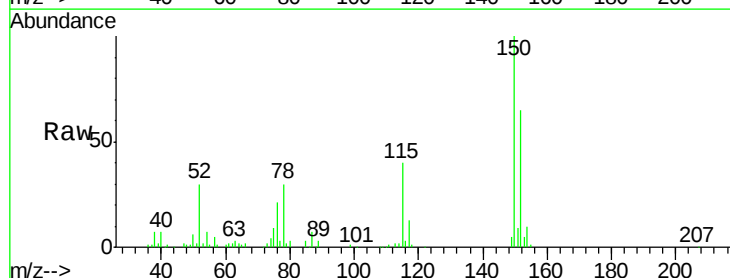


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

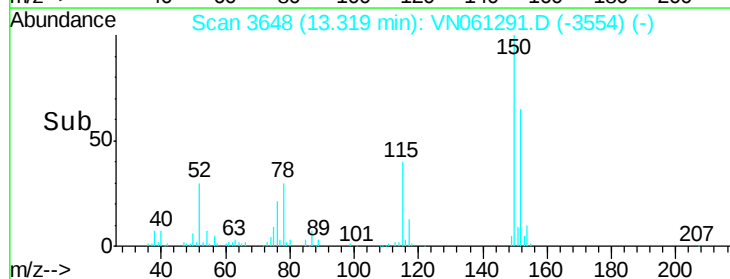
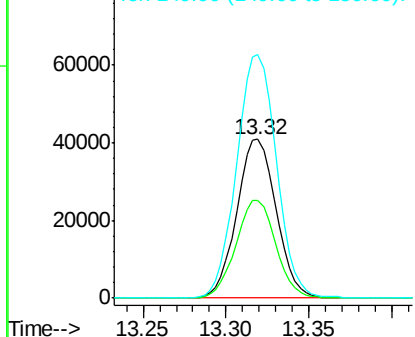


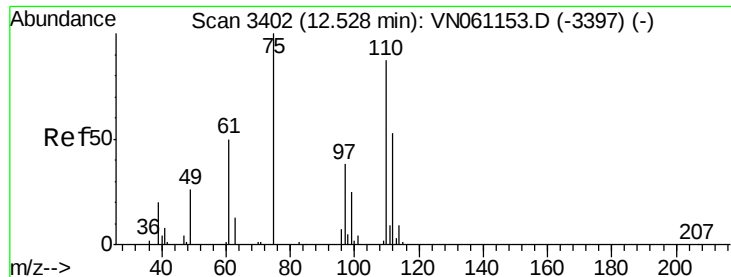
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061291.D
Acq: 5 May 2020 14:55

Tgt Ion:152 Resp: 67834
Ion Ratio Lower Upper
152 100
115 62.2 31.0 93.0
150 155.5 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

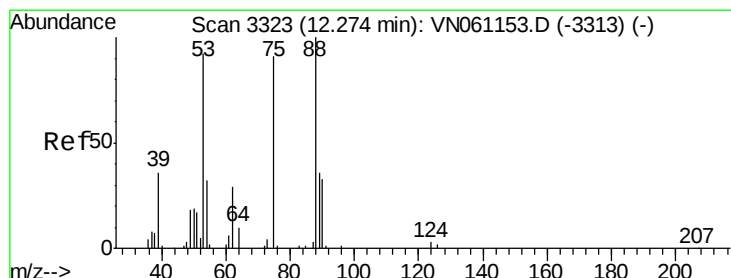
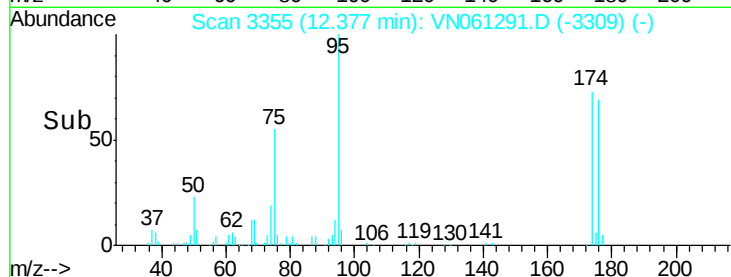
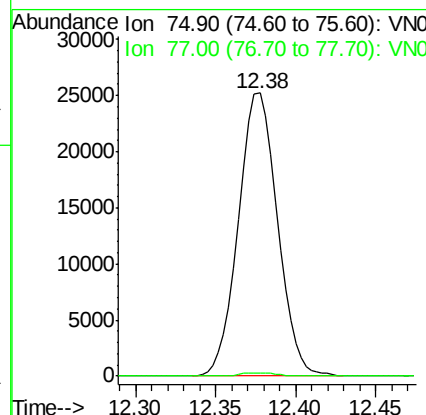
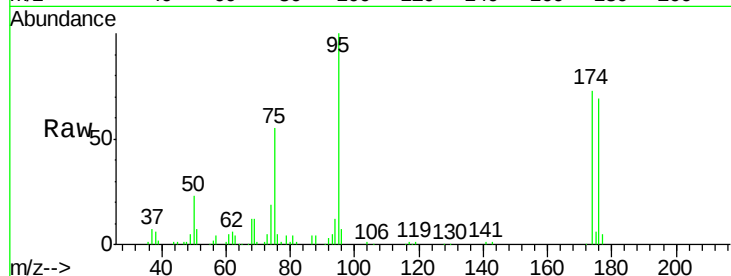




#76
 1,2,3-Trichloropropane
 Concen: 29.460 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061291.D
 Acq: 5 May 2020 14:55

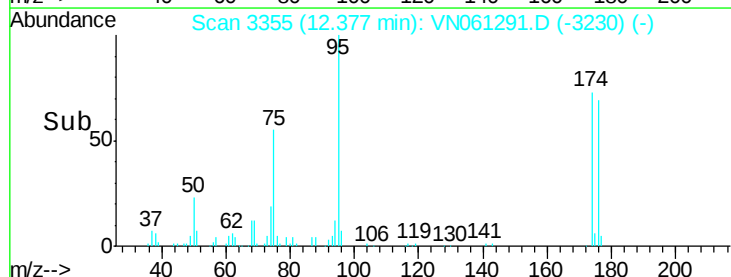
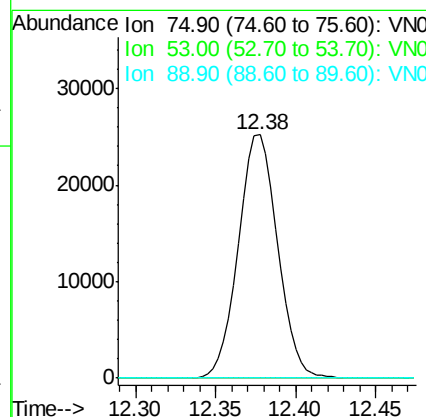
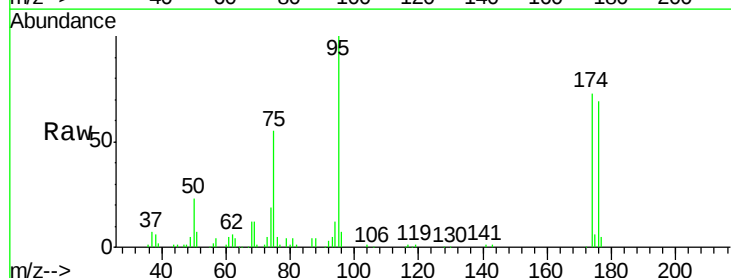
Instrument :
 MSVOA_N
 ClientSampleId :

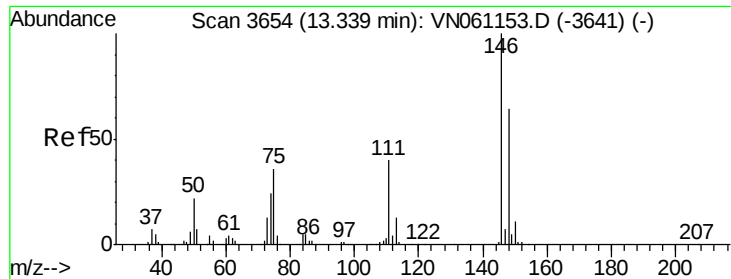
Tot Ion: 75 Resp: 42132
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.814 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061291.D
 Acq: 5 May 2020 14:55

Tgt Ion: 75 Resp: 42132
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#





#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

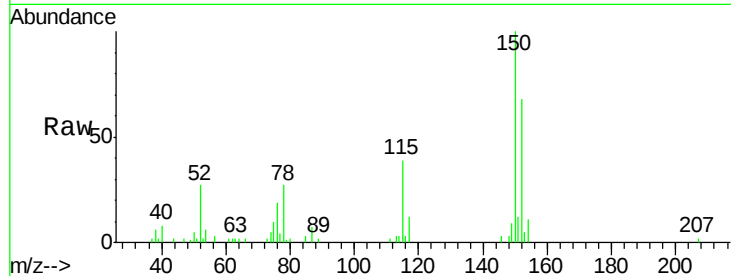
Tot Ion:146 Resp: 498

Ion Ratio Lower Upper

146 100

111 219.9 20.4 61.3#

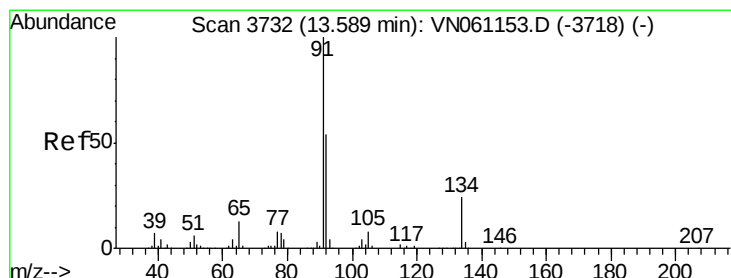
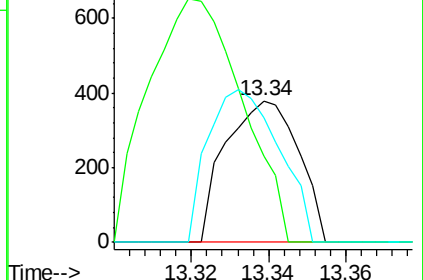
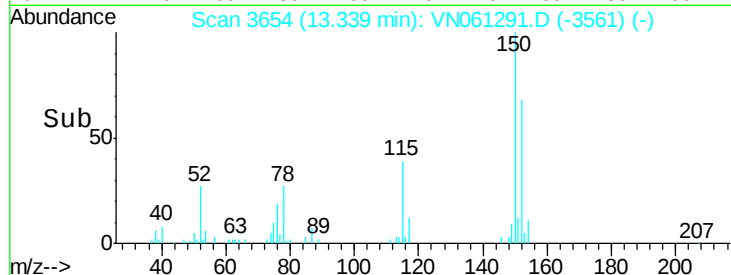
148 104.6 31.9 95.7#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.203 ug/l

RT: 13.59 min Scan# 3732

Delta R.T. -0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

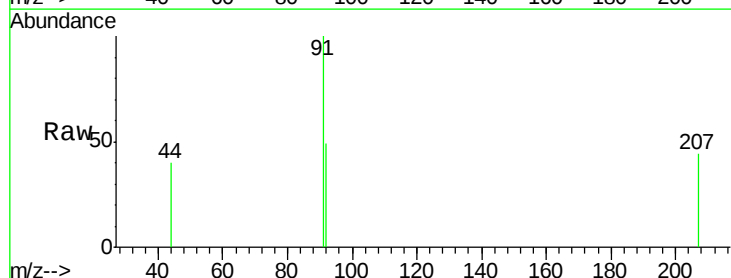
Tgt Ion: 91 Resp: 795

Ion Ratio Lower Upper

91 100

92 35.1 26.8 80.3

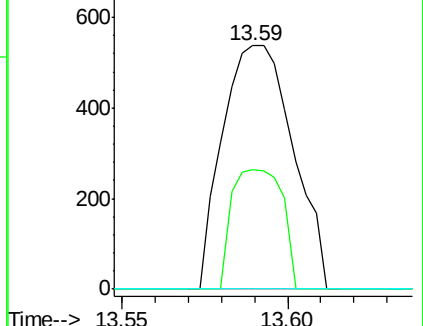
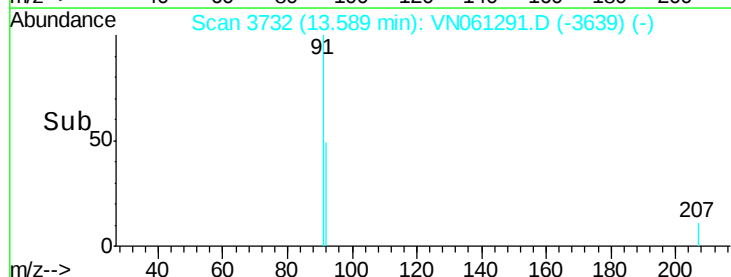
134 0.0 11.9 35.5#

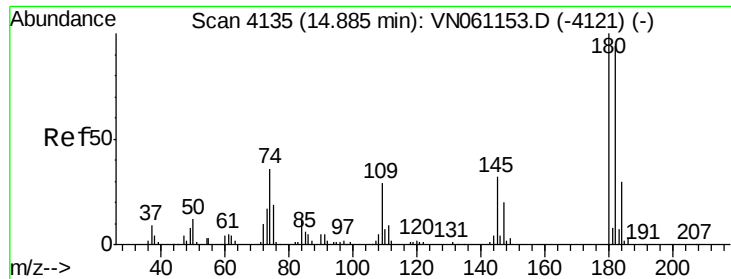


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

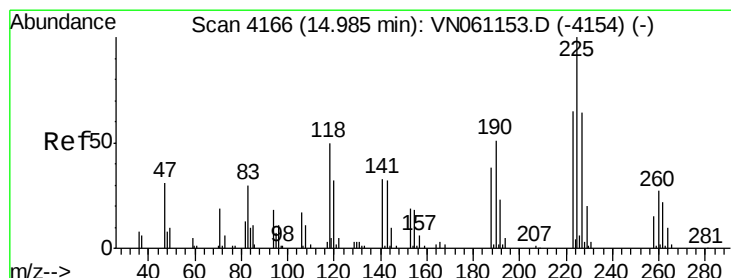
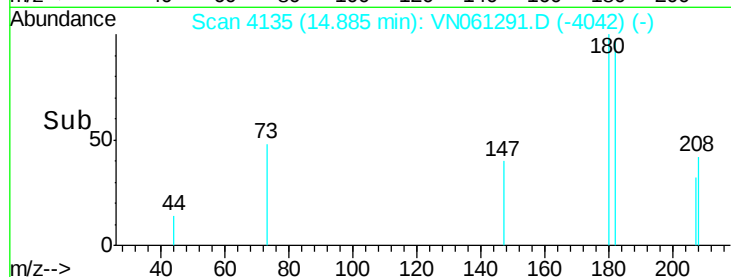
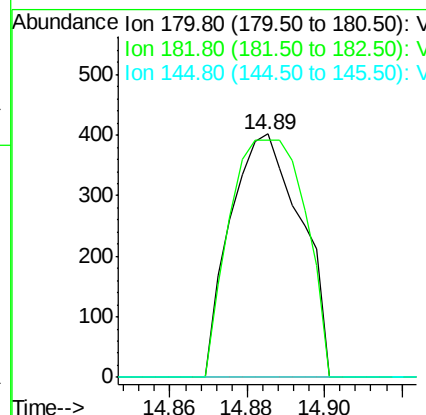
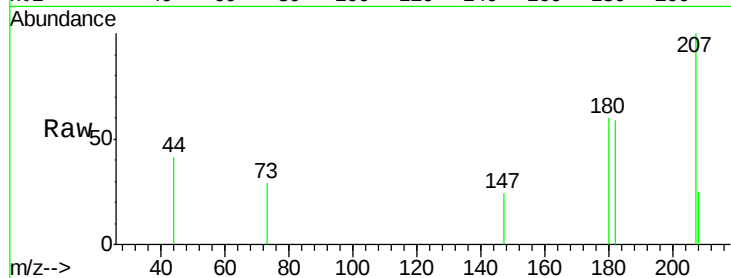




#93
 1,2,4-Trichlorobenzene
 Concen: 0.413 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. -0.00 min
 Lab File: VN061291.D
 Acq: 5 May 2020 14:55

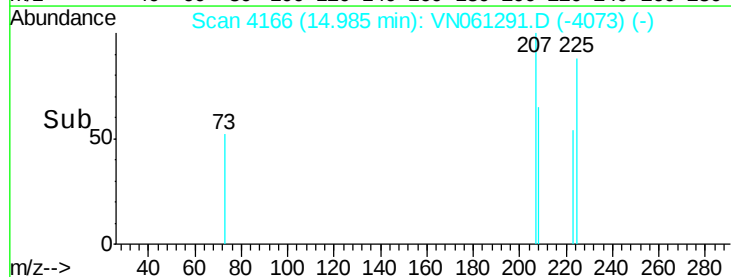
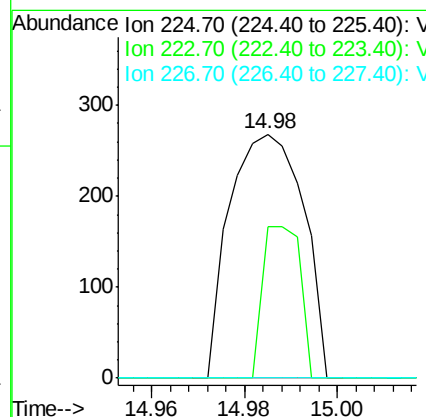
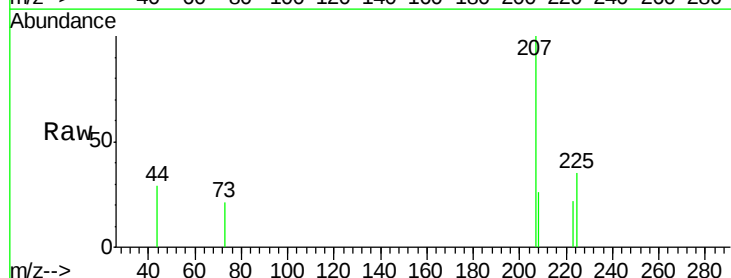
Instrument :
 MSVOA_N
 ClientSampled :

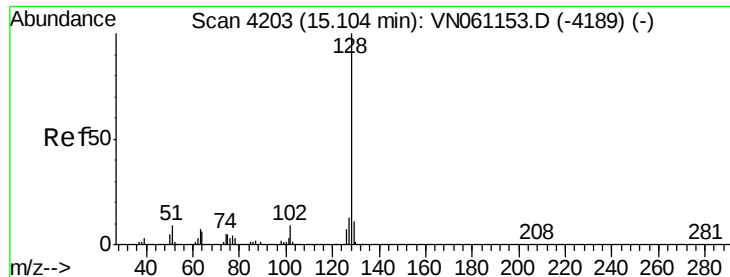
Tot Ion:180 Resp: 511
 Ion Ratio Lower Upper
 180 100
 182 104.5 47.3 141.9
 145 0.0 16.0 47.9#



#94
 Hexachlorobutadiene
 Concen: 0.575 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061291.D
 Acq: 5 May 2020 14:55

Tgt Ion:225 Resp: 297
 Ion Ratio Lower Upper
 225 100
 223 31.6 32.4 97.0#
 227 0.0 32.4 97.0#





#95

Naphthalene

Concen: 0.513 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

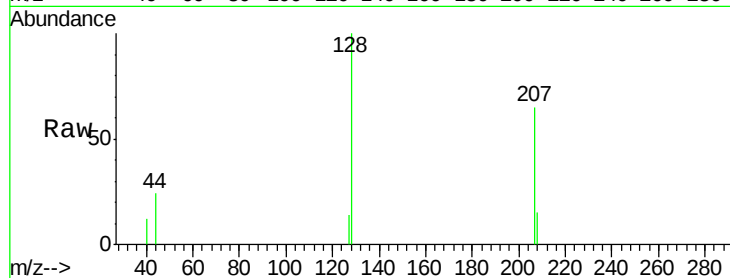
Tot Ion:128 Resp: 2066

Ion Ratio Lower Upper

128 100

127 7.8 10.4 15.6#

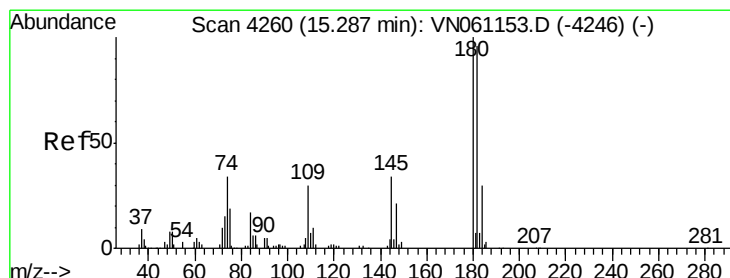
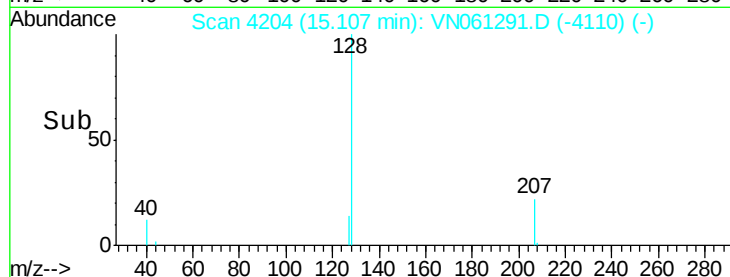
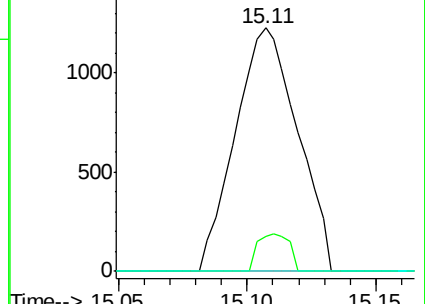
129 0.0 8.7 13.1#



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: 0.458 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061291.D

Acq: 5 May 2020 14:55

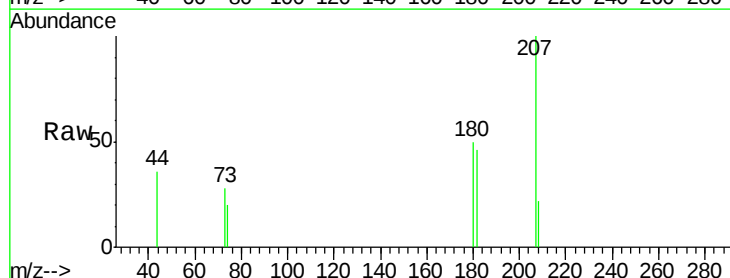
Tgt Ion:180 Resp: 559

Ion Ratio Lower Upper

180 100

182 106.3 47.5 142.5

145 5.2 16.9 50.7#



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

