

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065014.D
 Acq On : 9 Dec 2020 12:37
 Operator : JC/MD
 Sample : PB133473TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473TB

Quant Time: Dec 10 04:07:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	166286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	310893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	103775	53.68	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	107.36%
35) Dibromofluoromethane	7.55	113	98425	54.18	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.36%
50) Toluene-d8	10.06	98	378879	51.04	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.08%
62) 4-Bromofluorobenzene	12.38	95	139885	52.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.32%

Target Compounds

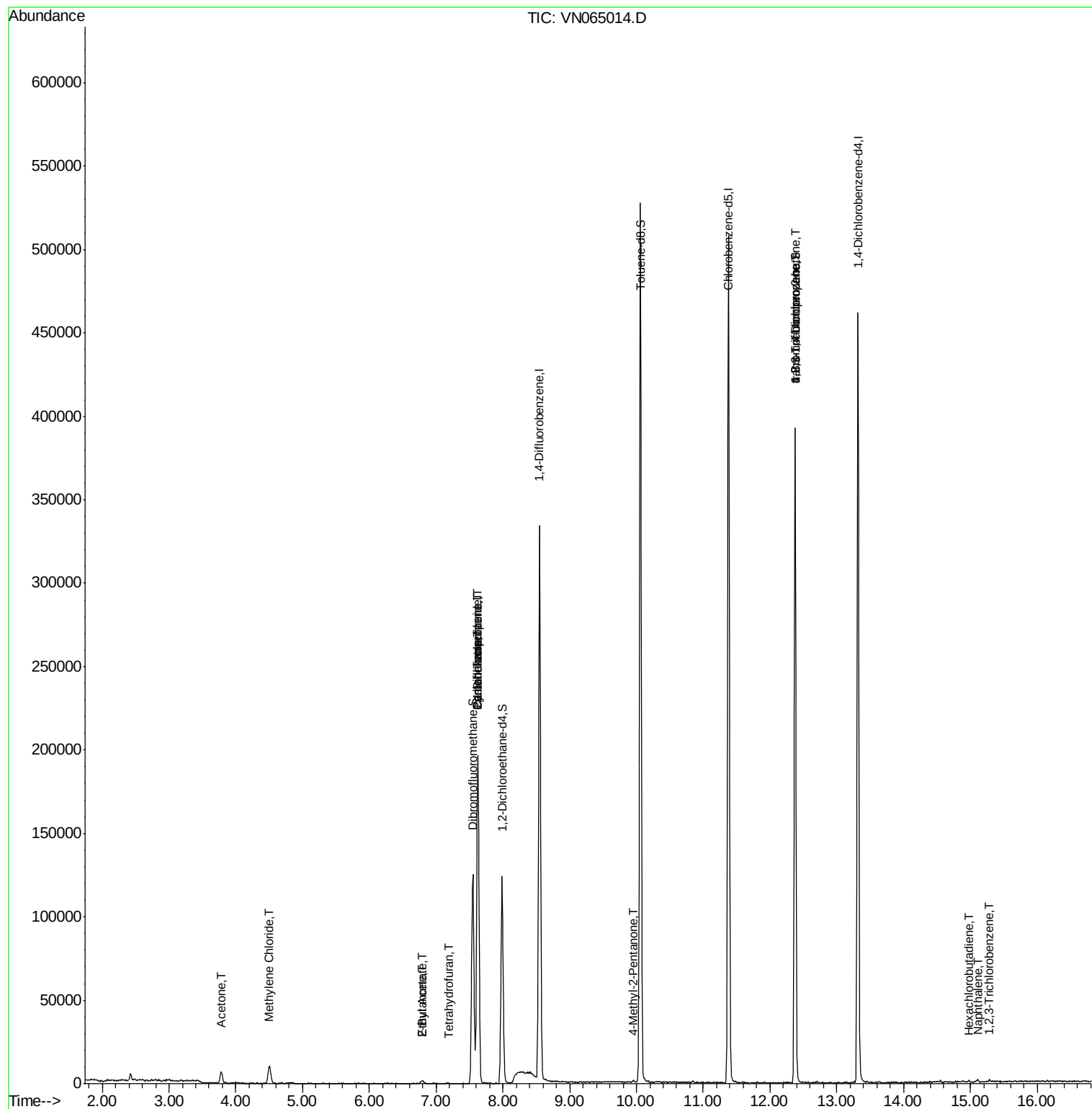
					Qvalue	
16) Acetone	3.78	43	11071	17.421	ug/l	93
20) Methylene Chloride	4.51	84	8495	4.266	ug/l	85
25) 2-Butanone	6.79	43	1326	1.287	ug/l	98
29) Tetrahydrofuran	7.17	42	289	0.406	ug/l #	32
31) Cyclohexane	7.62	56	2768	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11613	4.127	ug/l #	47
37) Ethyl Acetate	6.79	43	1326	0.489	ug/l #	66
38) Carbon Tetrachloride	7.62	117	15836	5.408	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	1224	0.467	ug/l #	67
76) 1,2,3-Trichloropropane	12.38	75	67685	24.190	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67685	66.299	ug/l #	15
94) Hexachlorobutadiene	14.98	225	363	0.677	ug/l	83
95) Naphthalene	15.11	128	1996	0.253	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.28	180	667	1.651	ug/l #	85

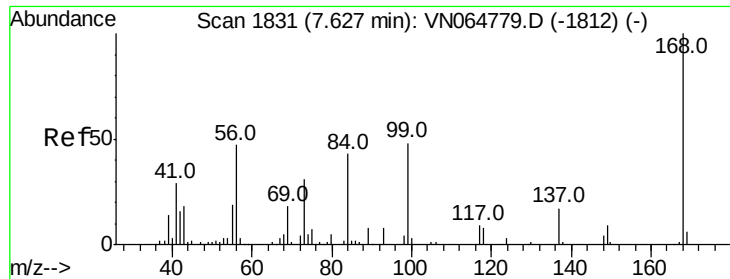
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120920\
Data File : VN065014.D
Acq On : 9 Dec 2020 12:37
Operator : JC/MD
Sample : PB133473TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB133473TB

Quant Time: Dec 10 04:07:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

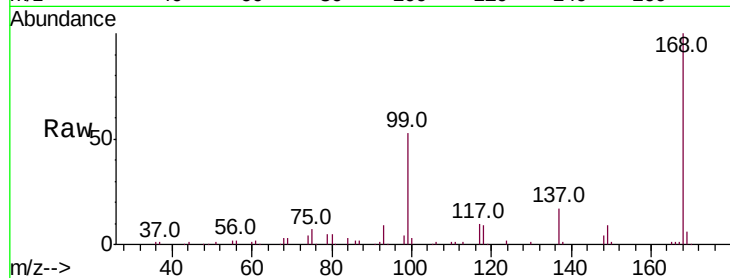
PB133473TB

Tot Ion:168 Resp: 166286

Ion Ratio Lower Upper

168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)

7.62

60000

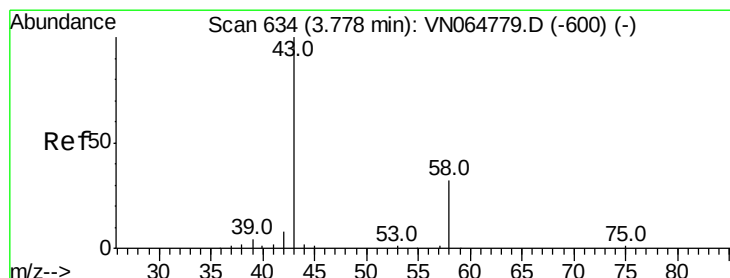
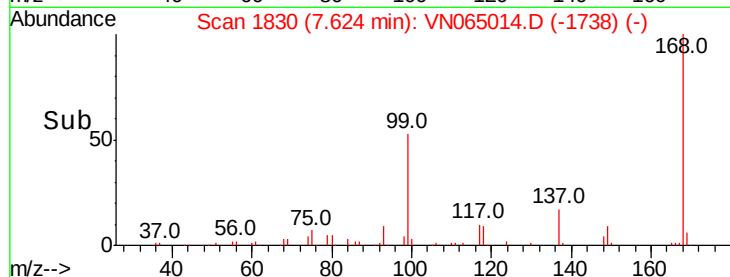
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 17.421 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN065014.D

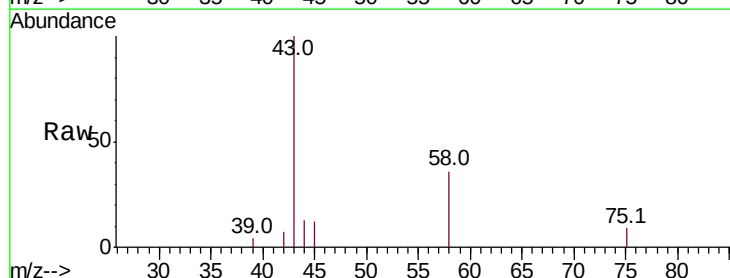
Acq: 9 Dec 2020 12:37

Tgt Ion: 43 Resp: 11071

Ion Ratio Lower Upper

43 100

58 36.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-600) (-)

3.78

4000

3000

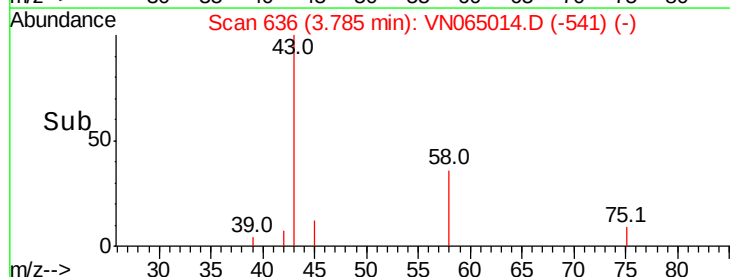
2000

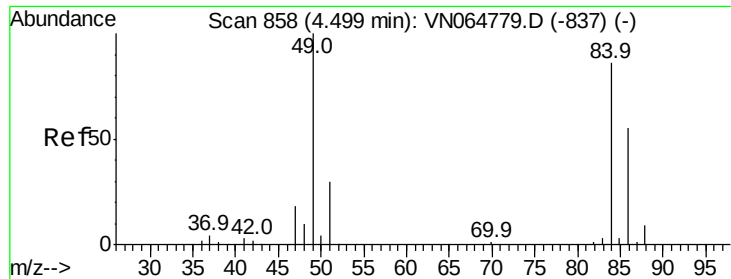
1000

0

3.70 3.75 3.80 3.85

Time-->



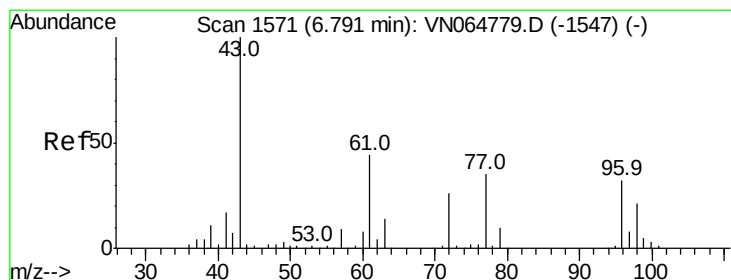
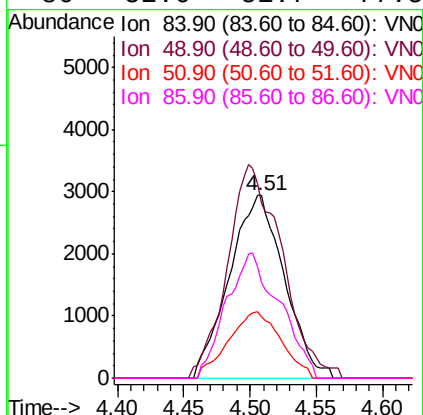
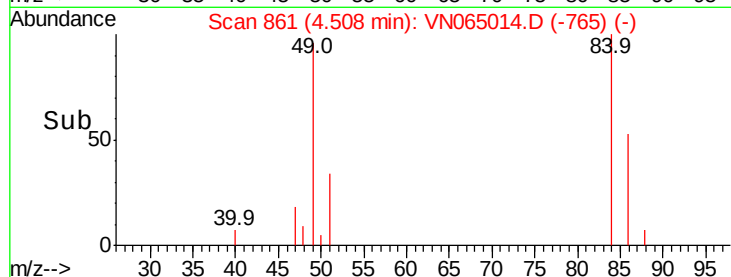
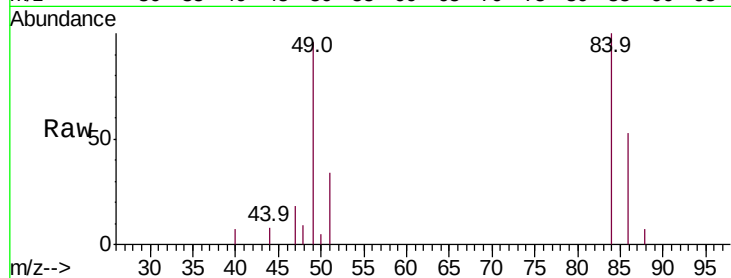


#20
Methvlene Chloride
Concen: 4.266 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
PB133473TB

Tot Ion: 84 Resp: 8495

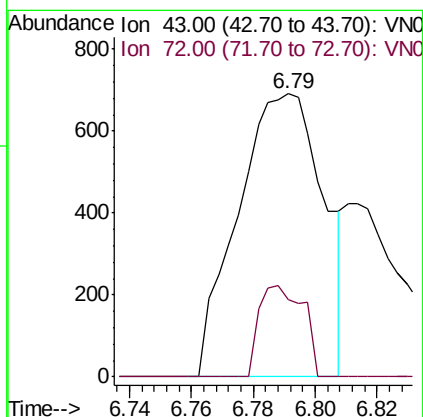
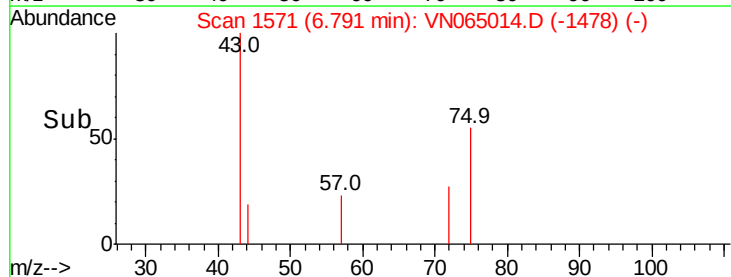
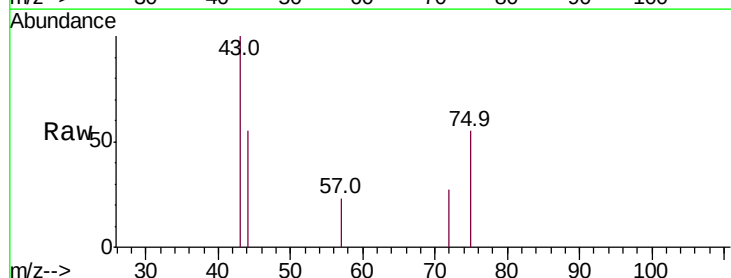
Ion	Ratio	Lower	Upper
84	100		
49	96.2	93.4	140.0
51	33.9	28.2	42.4
86	52.6	51.7	77.5

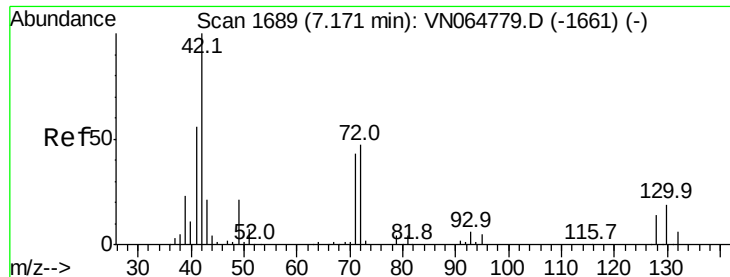


#25
2-Butanone
Concen: 1.287 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

Tgt Ion: 43 Resp: 1326

Ion	Ratio	Lower	Upper
43	100		
72	27.2	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.406 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB133473TB

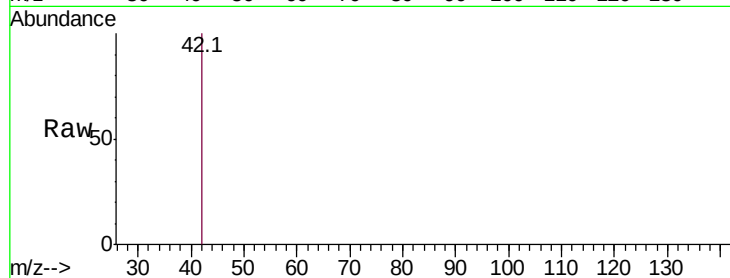
Tot Ion: 42 Resp: 289

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

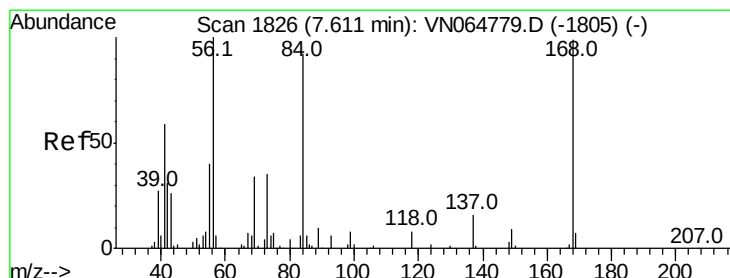
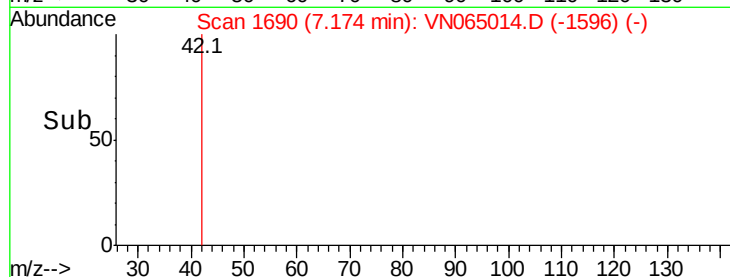
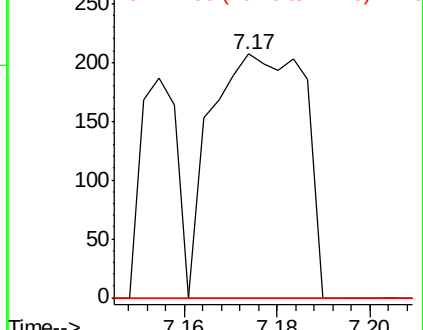
71 0.0 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.027 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

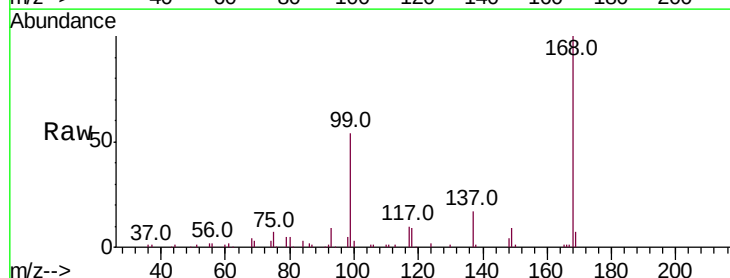
Tgt Ion: 56 Resp: 2768

Ion Ratio Lower Upper

56 100

69 185.3 27.5 41.3#

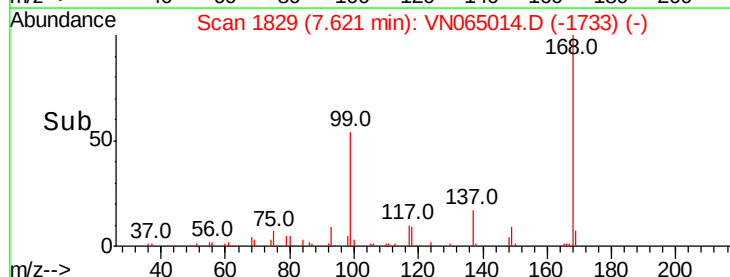
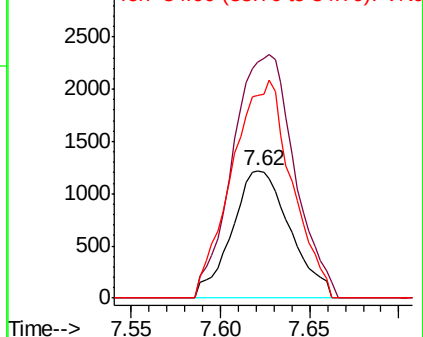
84 158.9 73.9 110.9#

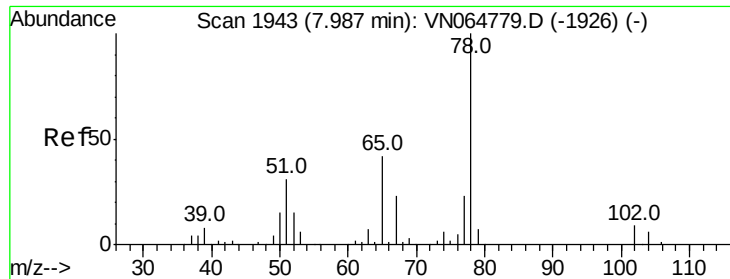


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

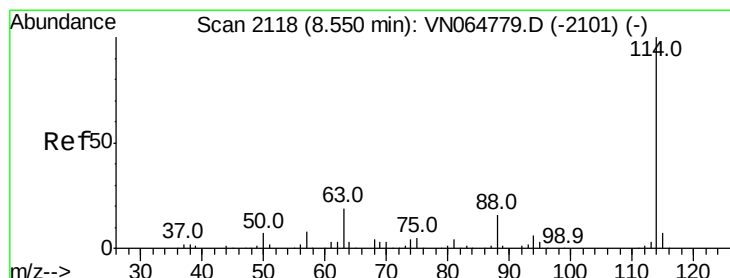
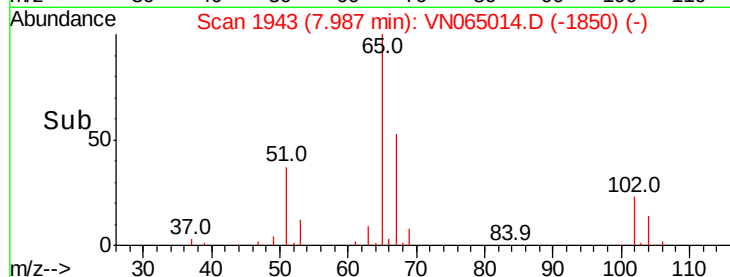
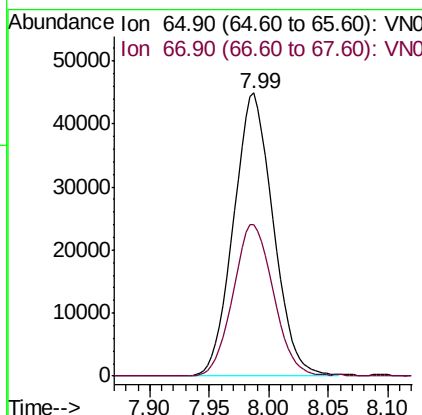
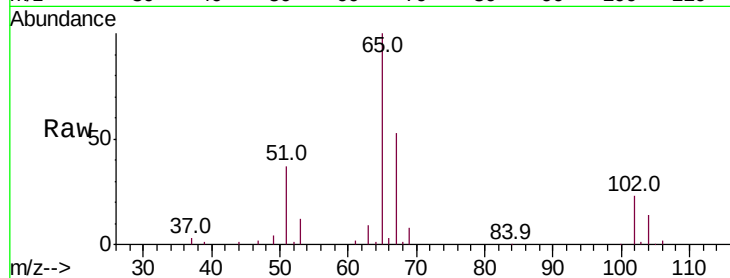




#33
 1,2-Dichloroethane-d4
 Concen: 53.681 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN065014.D
 Acq: 9 Dec 2020 12:37

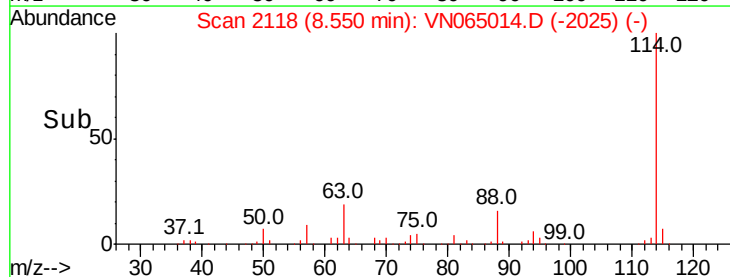
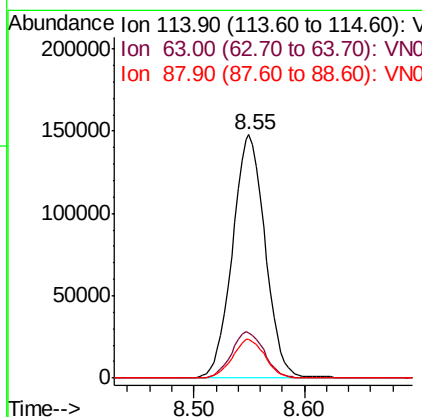
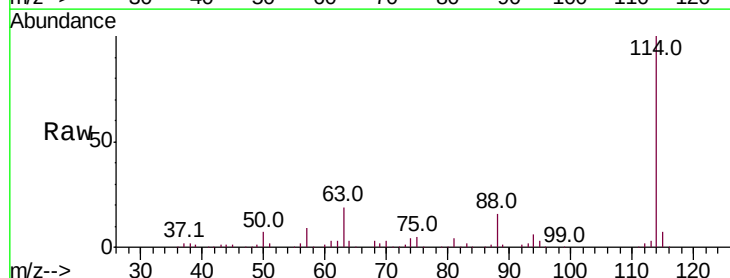
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473TB

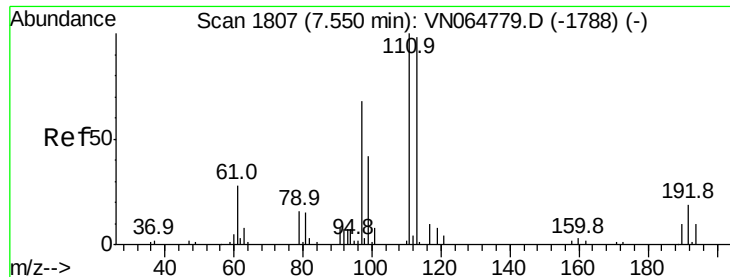
Tot Ion: 65 Resp: 103775
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065014.D
 Acq: 9 Dec 2020 12:37

Tgt Ion: 114 Resp: 303596
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.6
 88 15.9 0.0 32.6

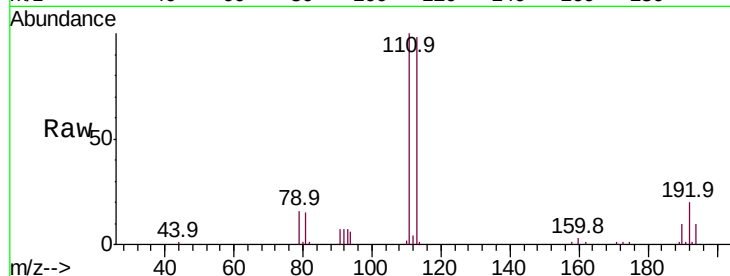




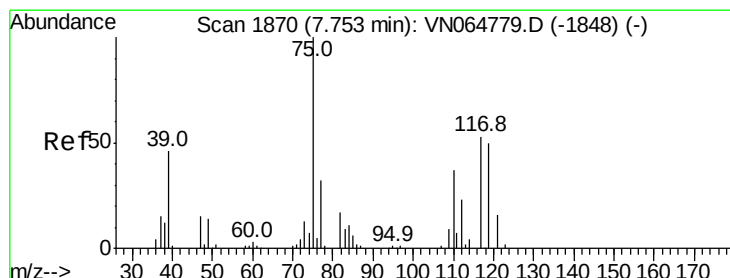
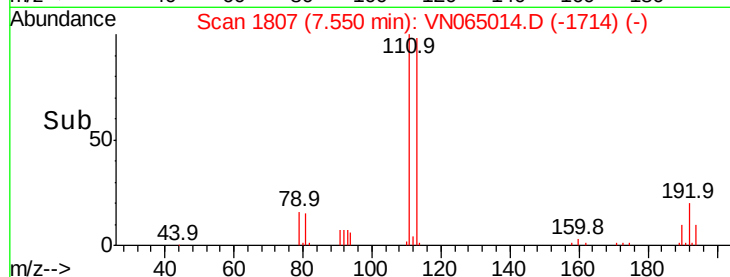
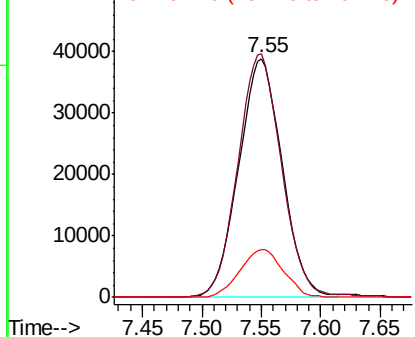
#35
 Dibromofluoromethane
 Concen: 54.180 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN065014.D
 Acq: 9 Dec 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133473TB

Tot Ion:113 Resp: 98425
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 20.0 16.2 24.2

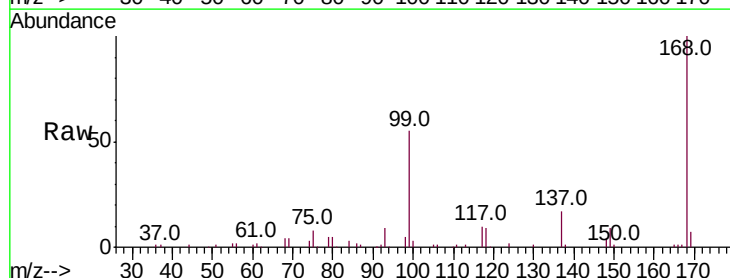


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

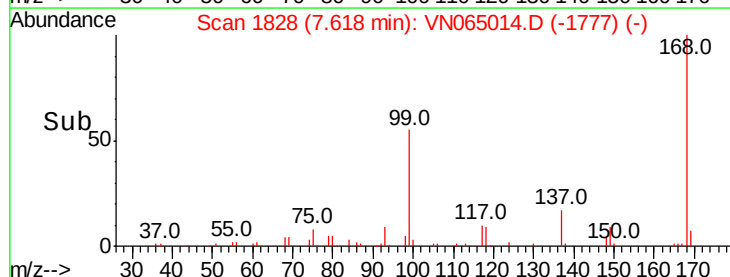
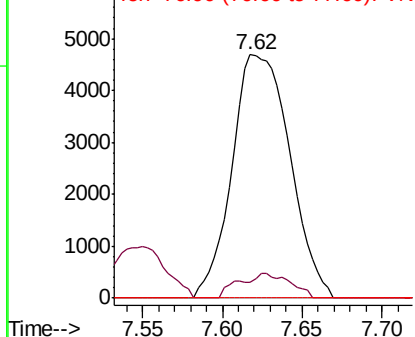


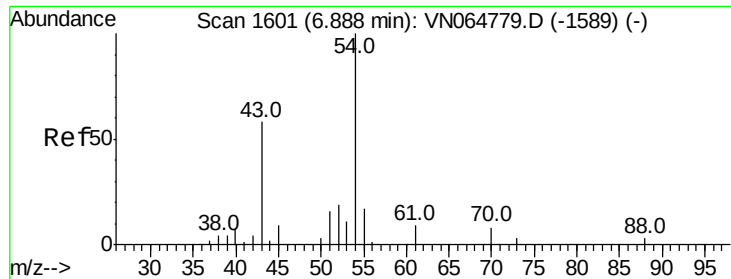
#36
 1,1-Dichloropropene
 Concen: 4.127 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN065014.D
 Acq: 9 Dec 2020 12:37

Tgt Ion: 75 Resp: 11613
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.8 53.3#
 77 0.0 25.0 37.4#



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

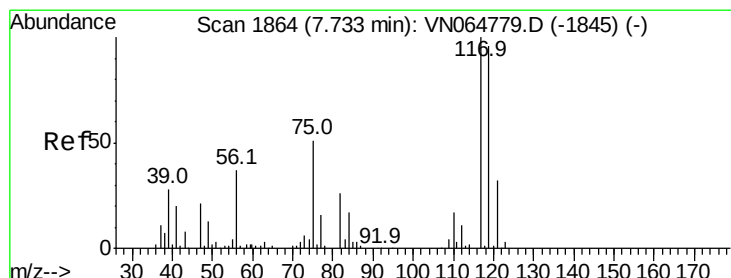
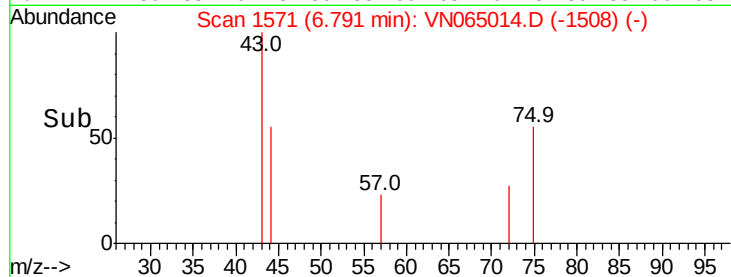
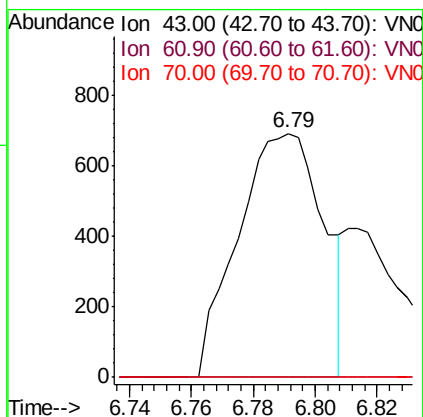
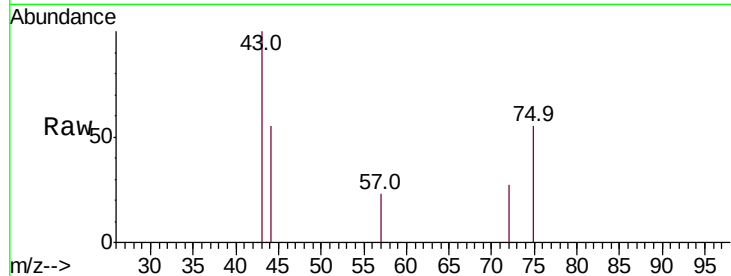




#37
Ethyl Acetate
Concen: 0.489 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. -0.10 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

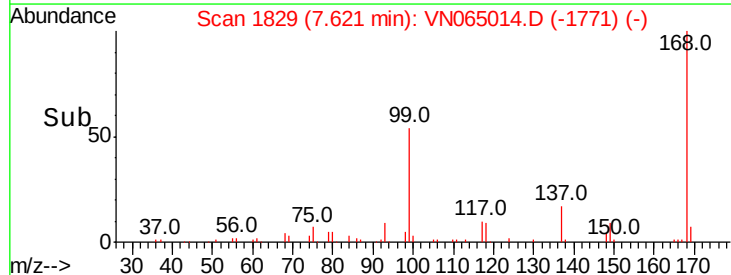
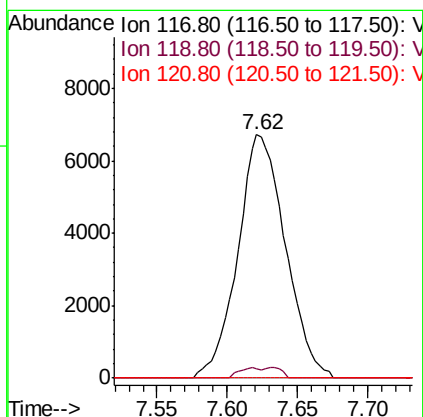
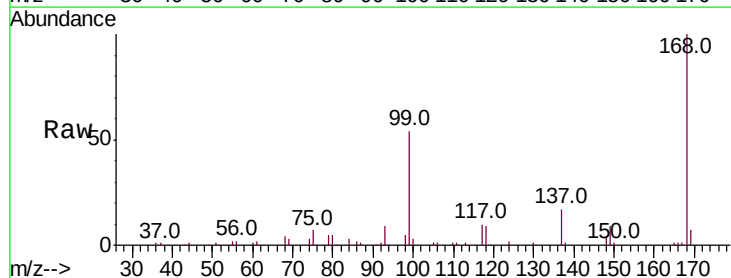
Instrument :
MSVOA_N
ClientSampled :
PB133473TB

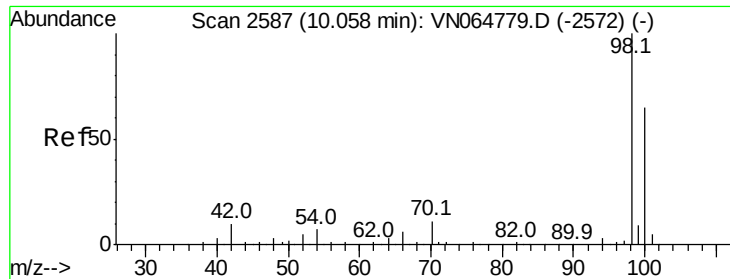
Tot Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. -0.11 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

Tgt Ion: 117 Resp: 15836
Ion Ratio Lower Upper
117 100
119 4.0 76.7 115.1#
121 0.0 25.4 38.2#





#50

Toluene-d8

Concen: 51.044 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

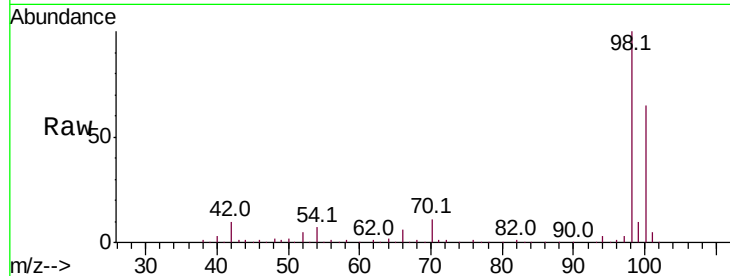
PB133473TB

Tot Ion: 98 Resp: 378879

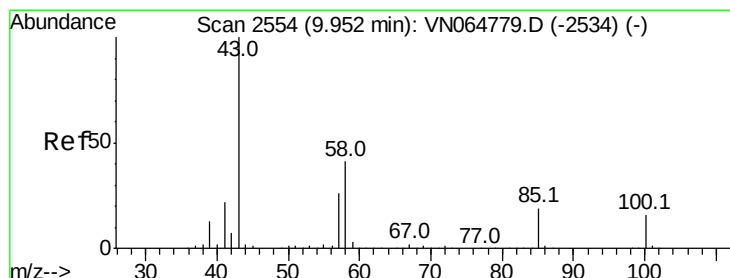
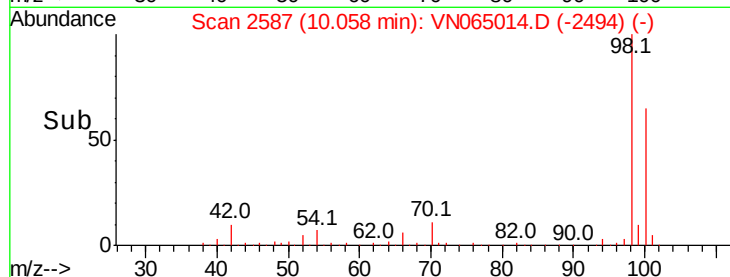
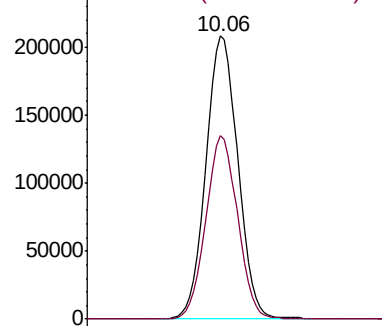
Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.467 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN065014.D

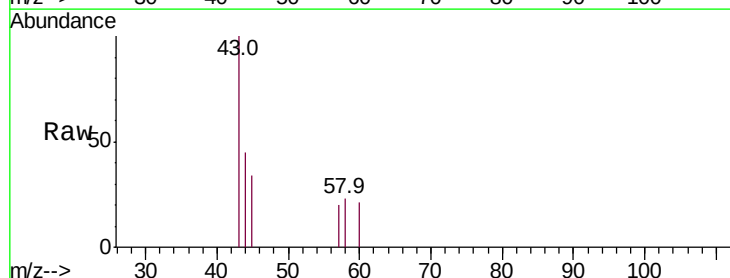
Acq: 9 Dec 2020 12:37

Tgt Ion: 43 Resp: 1224

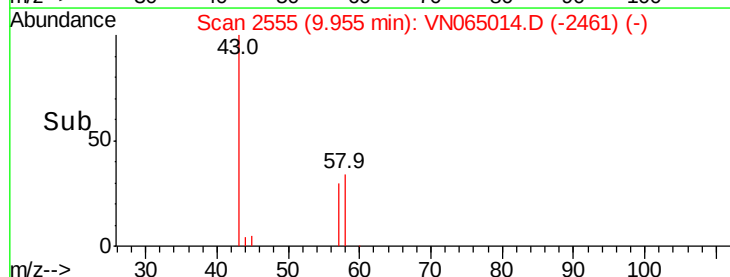
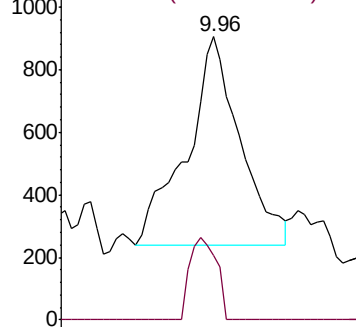
Ion Ratio Lower Upper

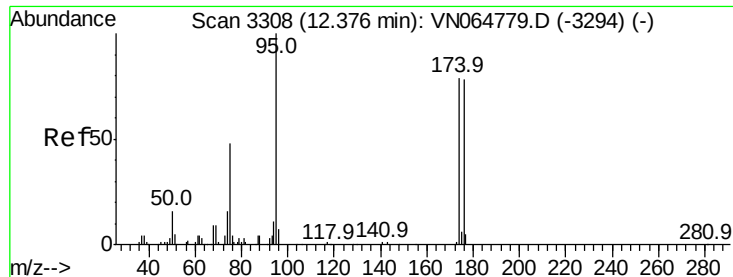
43 100

58 20.2 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

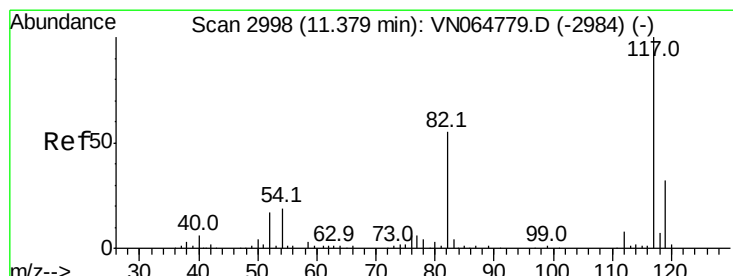
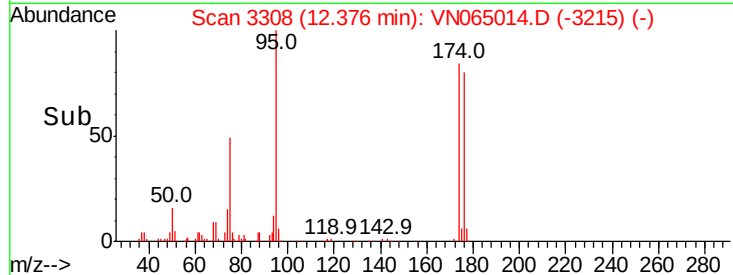
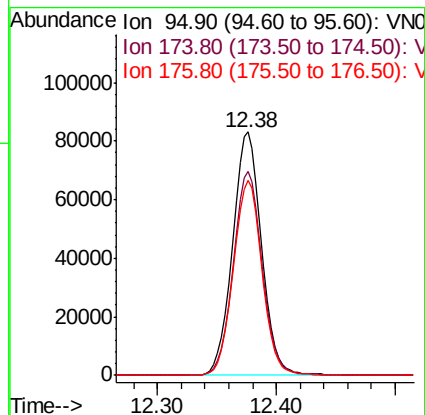
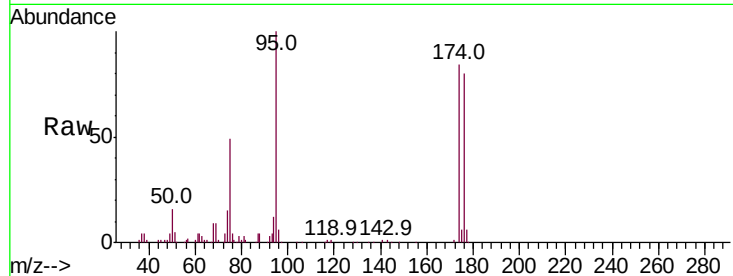




#62
4-Bromofluorobenzene
Concen: 52.660 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

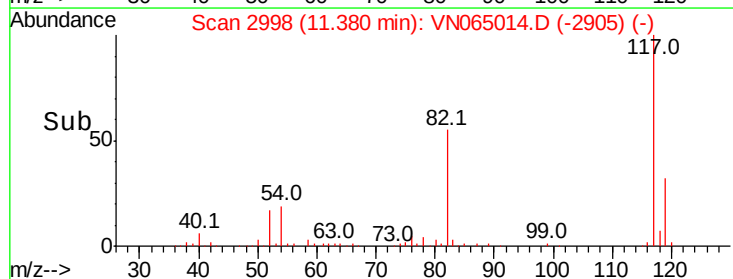
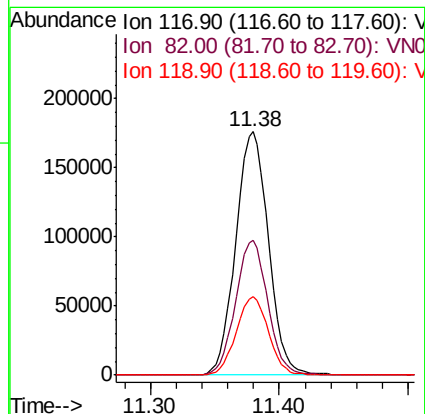
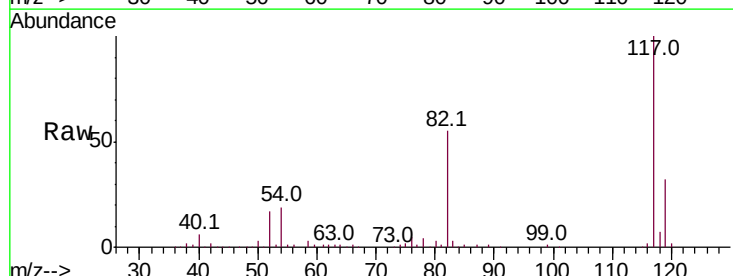
Instrument :
MSVOA_N
ClientSampled :
PB133473TB

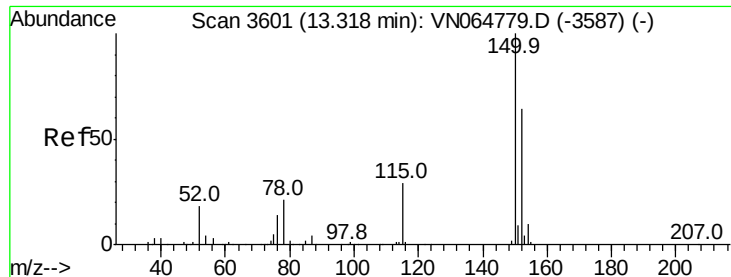
Tot Ion: 95 Resp: 139885
Ion Ratio Lower Upper
95 100
174 83.8 0.0 160.4
176 79.2 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

Tgt Ion: 117 Resp: 310893
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.2
119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB133473TB

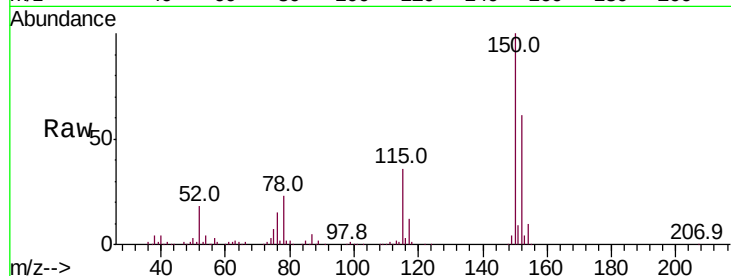
Tot Ion:152 Resp: 129925

Ion Ratio Lower Upper

152 100

115 60.2 29.7 89.1

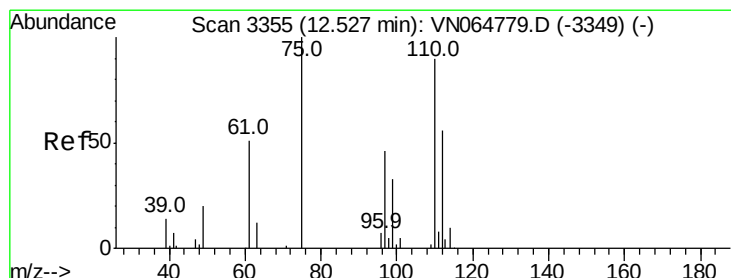
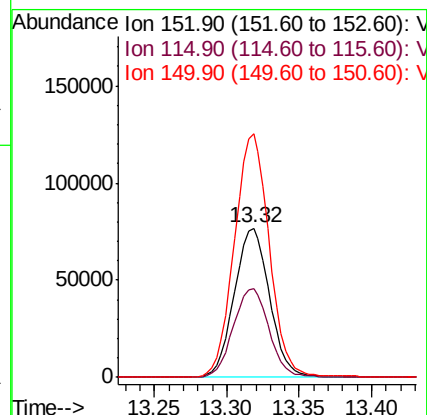
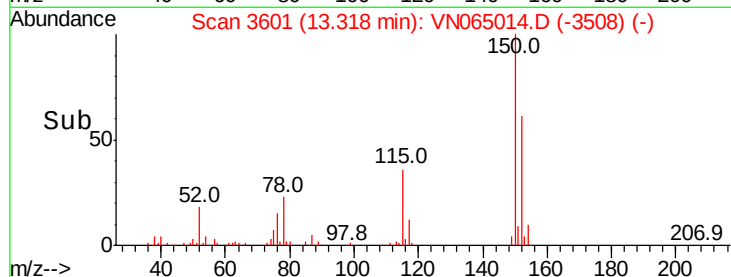
150 161.7 0.0 350.6



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: 24.190 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065014.D

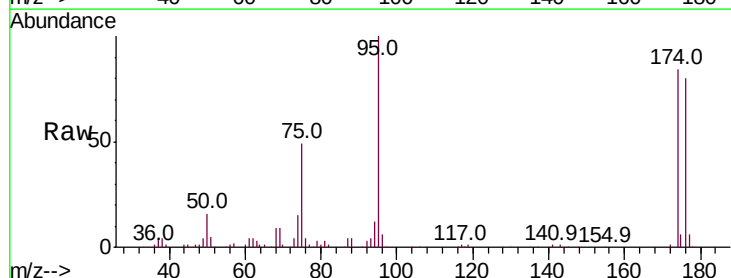
Acq: 9 Dec 2020 12:37

Tgt Ion: 75 Resp: 67685

Ion Ratio Lower Upper

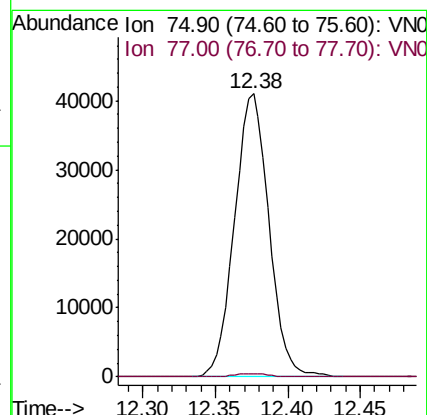
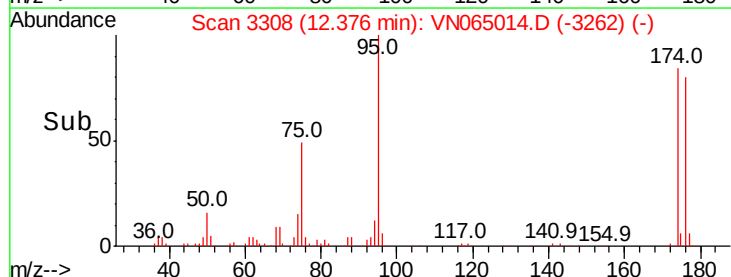
75 100

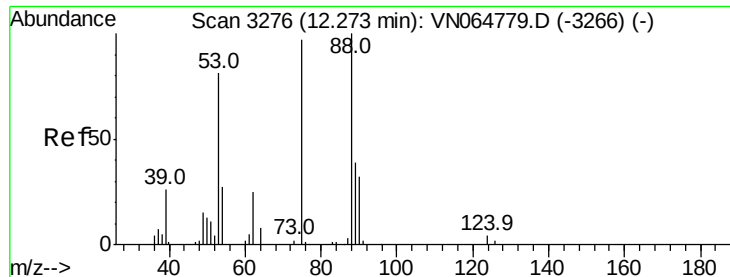
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

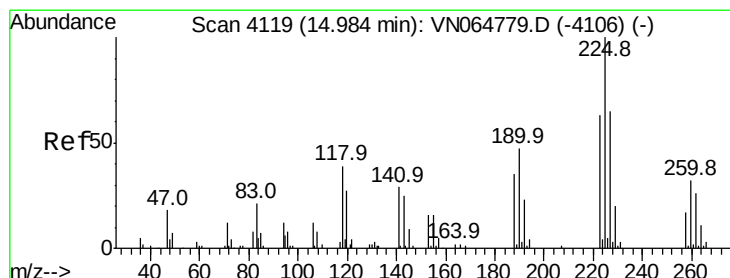
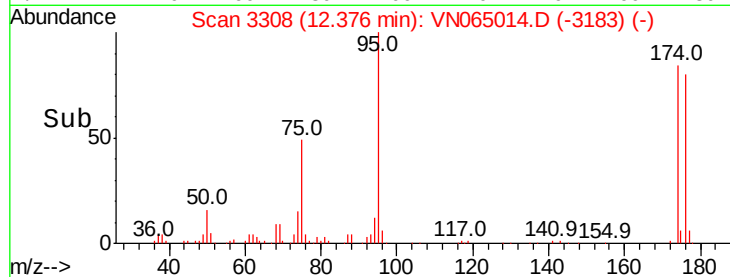
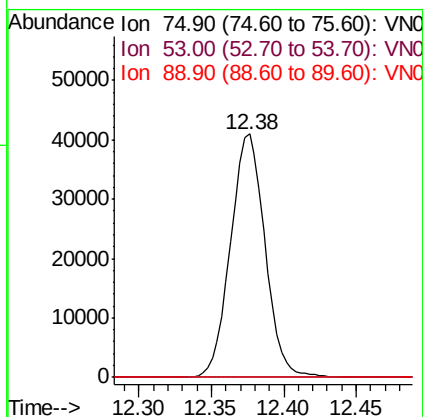
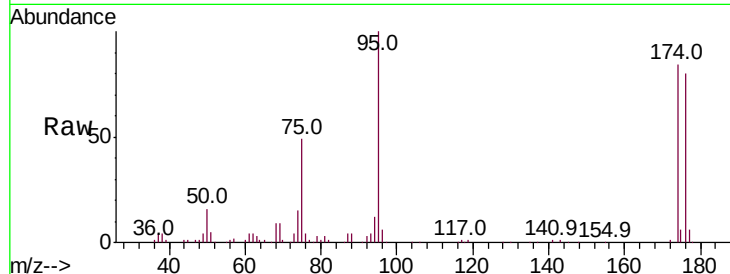




#81
trans-1,4-Dichloro-2-butene
Concen: 66.299 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

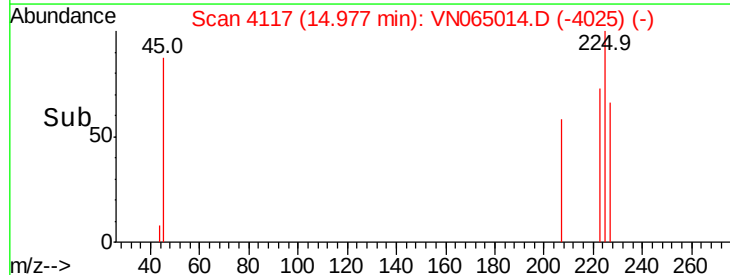
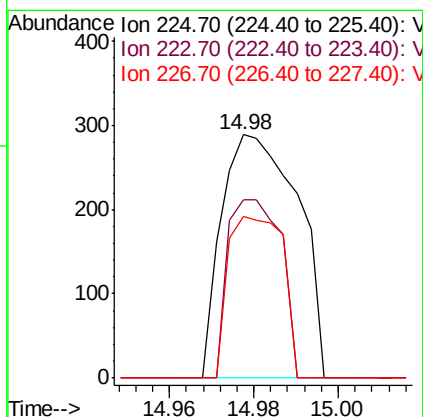
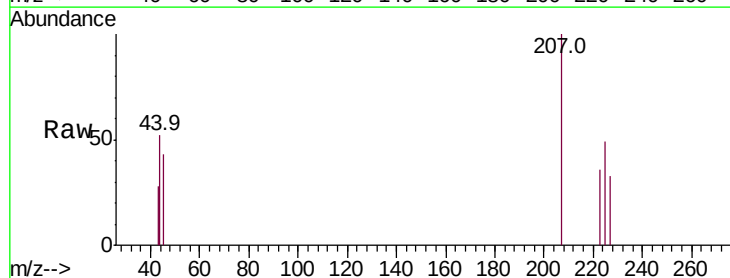
Instrument :
MSVOA_N
ClientSampled :
PB133473TB

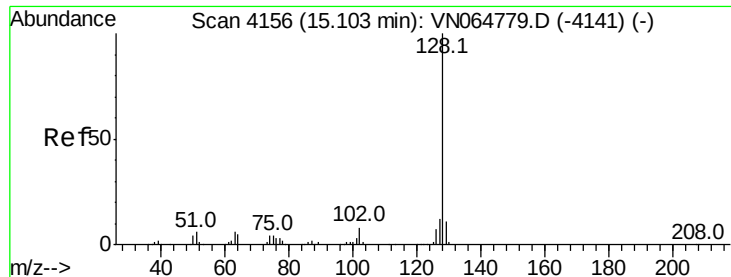
Tot Ion: 75 Resp: 67685
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#94
Hexachlorobutadiene
Concen: 0.677 ug/l
RT: 14.98 min Scan# 4117
Delta R.T. -0.01 min
Lab File: VN065014.D
Acq: 9 Dec 2020 12:37

Tgt Ion: 225 Resp: 363
Ion Ratio Lower Upper
225 100
223 51.5 31.0 93.0
227 47.9 32.0 96.0





#95

Naphthalene

Concen: 0.253 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

PB133473TB

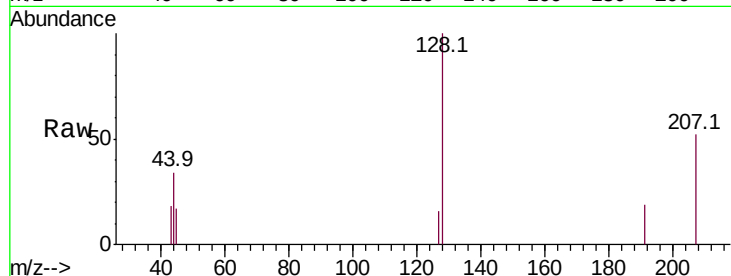
Tot Ion:128 Resp: 1996

Ion Ratio Lower Upper

128 100

127 3.3 10.3 15.5#

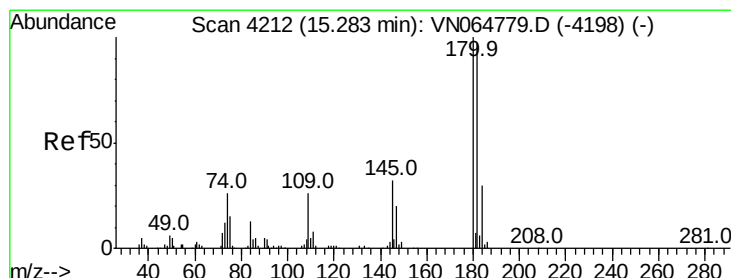
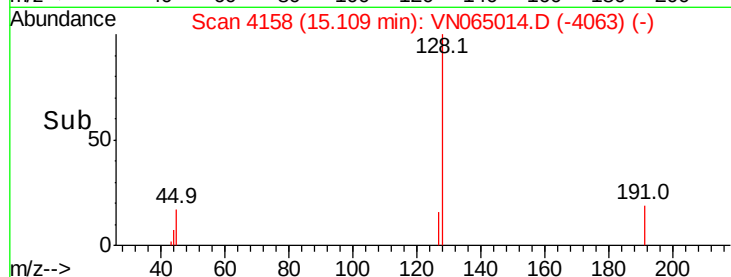
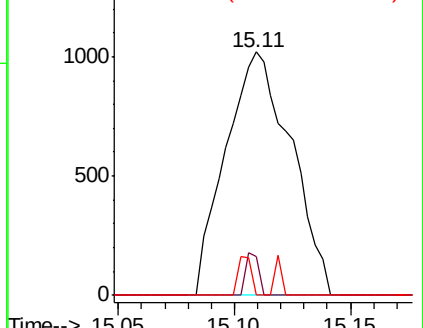
129 3.1 8.7 13.1#



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: 1.651 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN065014.D

Acq: 9 Dec 2020 12:37

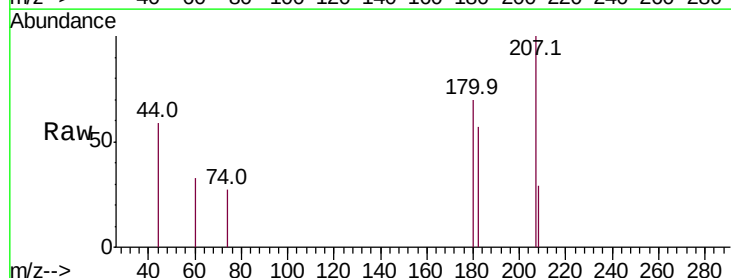
Tgt Ion:180 Resp: 667

Ion Ratio Lower Upper

180 100

182 96.9 48.1 144.4

145 0.0 16.4 49.1#



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

