

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\
 Data File : VN064868.D
 Acq On : 30 Nov 2020 13:20
 Operator : JC/MD
 Sample : L4857-03
 Misc : 5.78g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 01:21:13 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	160363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	284852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	285598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137736	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	98768	52.98	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	105.96%		
35) Dibromofluoromethane	7.55	113	86054	50.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.98%		
50) Toluene-d8	10.06	98	346307	49.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.46%		
62) 4-Bromofluorobenzene	12.38	95	136086	54.60	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	109.20%		

Target Compounds

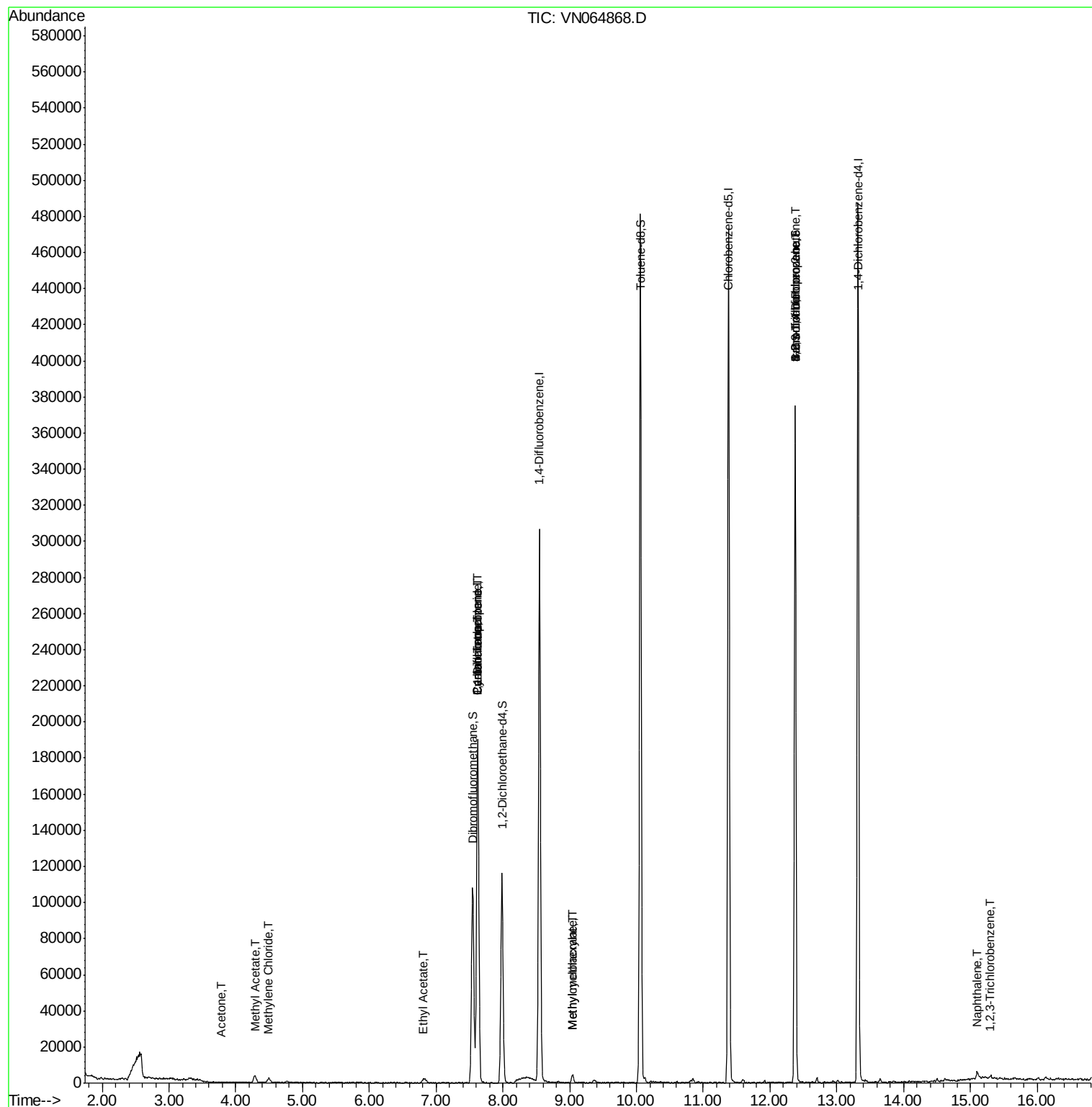
					Qvalue	
16) Acetone	3.77	43	151	0.246	ug/l #	43
18) Methyl Acetate	4.29	43	8172	4.435	ug/l #	87
20) Methylene Chloride	4.48	84	970	0.505	ug/l #	85
31) Cyclohexane	7.62	56	3307	1.273	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	11699	4.431	ug/l #	49
37) Ethyl Acetate	6.80	43	510	0.201	ug/l #	66
38) Carbon Tetrachloride	7.62	117	15979	5.816	ug/l #	16
39) Methylcyclohexane	9.05	83	2126	0.748	ug/l #	89
48) Methyl methacrylate	9.04	41	1018	0.521	ug/l #	50
71) Bromoform	12.38	173	749	0.416	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	65583	22.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65583	60.597	ug/l #	15
95) Naphthalene	15.11	128	3495	0.419	ug/l	94
96) 1,2,3-Trichlorobenzene	15.28	180	31	1.403	ug/l #	12

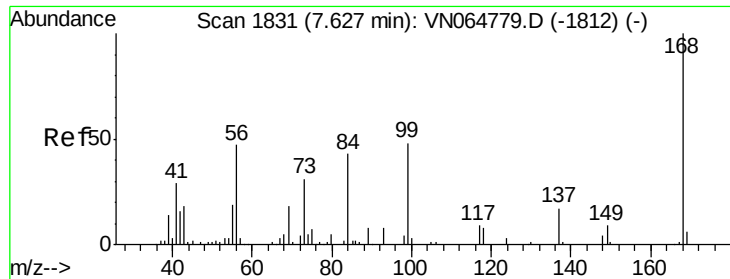
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

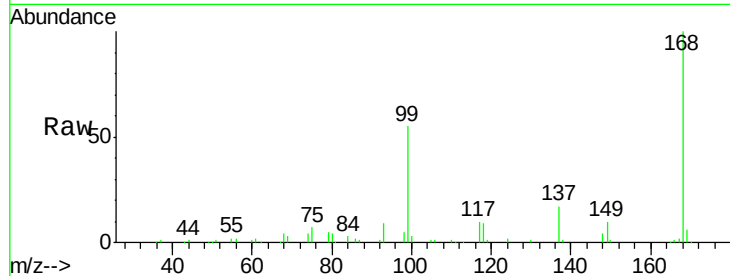
ClientSampleId :

Tot Ion:168 Resp: 160363

Ion Ratio Lower Upper

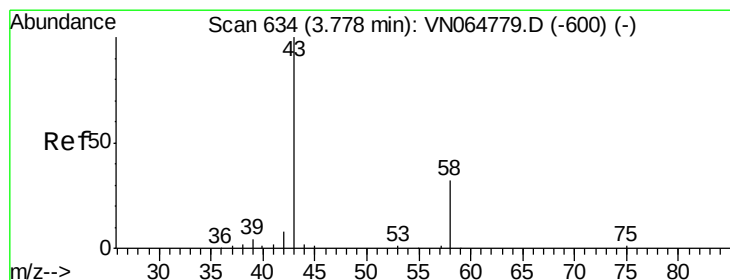
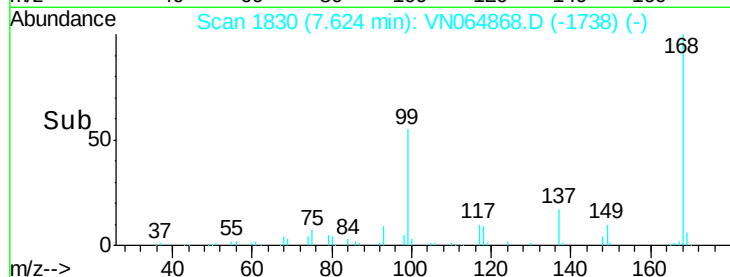
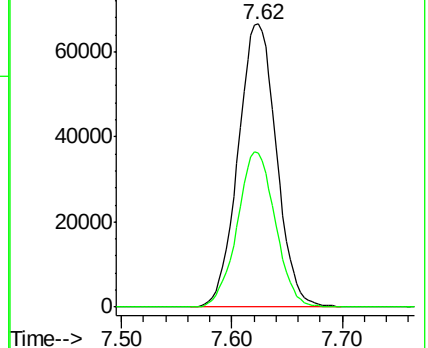
168 100

99 54.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.246 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064868.D

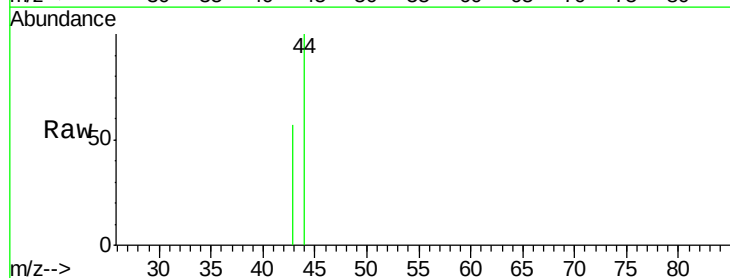
Acq: 30 Nov 2020 13:20

Tgt Ion: 43 Resp: 151

Ion Ratio Lower Upper

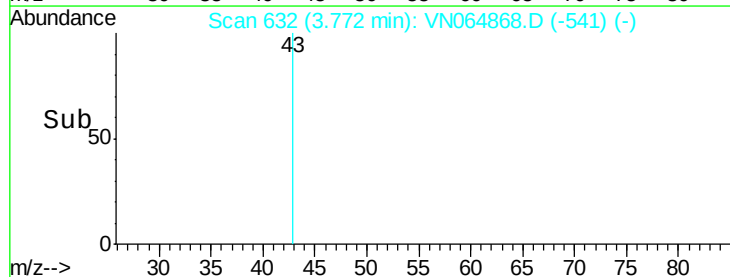
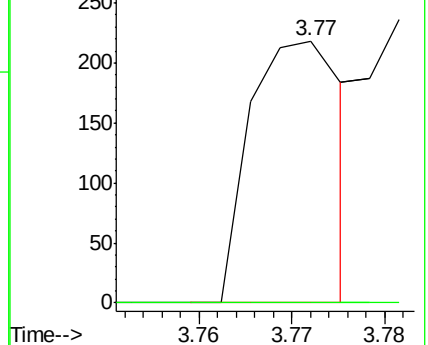
43 100

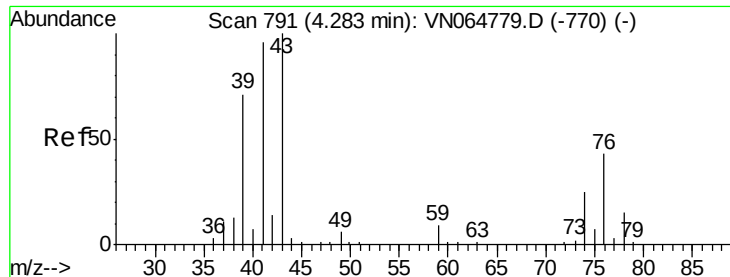
58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

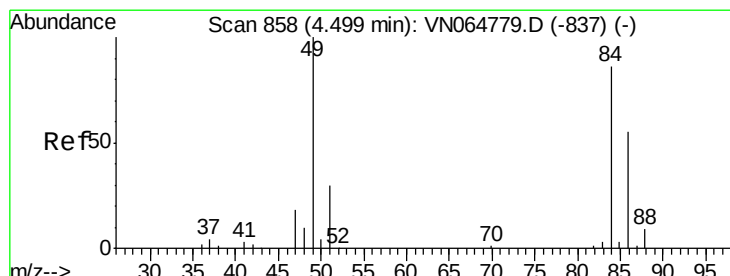
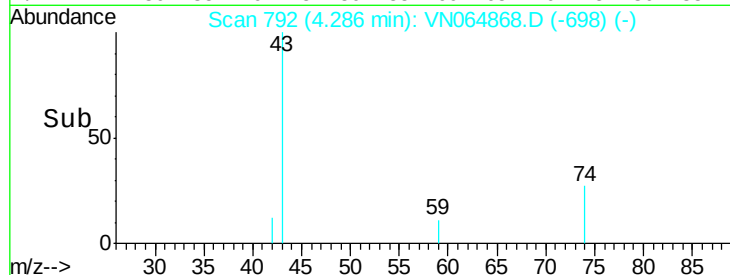
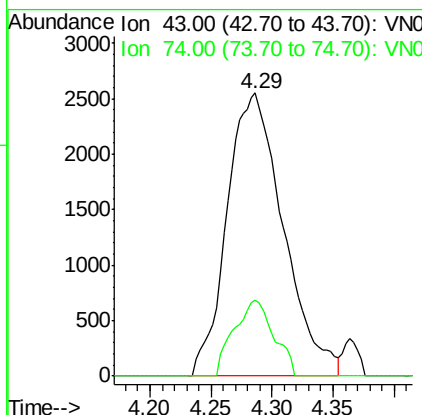
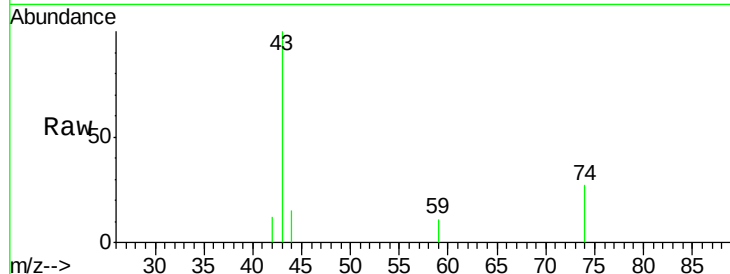




#18
Methyl Acetate
Concen: 4.435 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

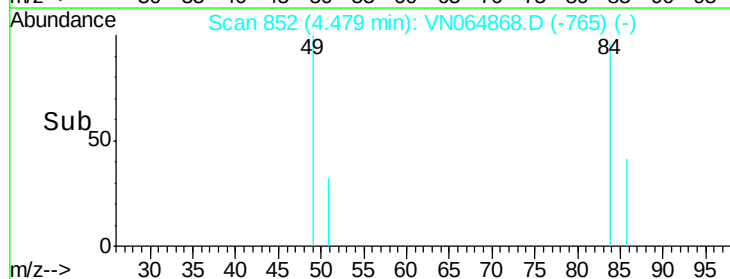
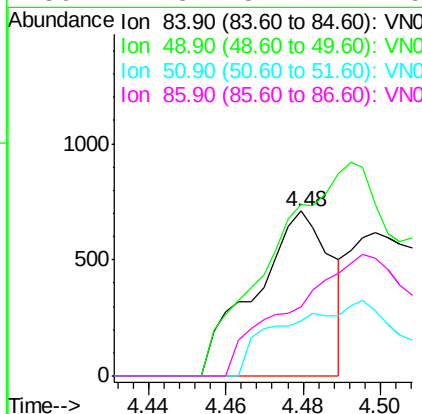
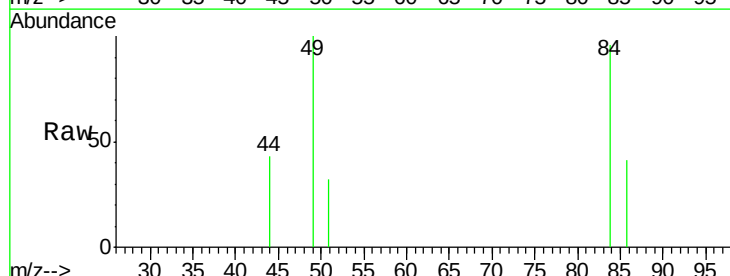
Instrument :
MSVOA_N
ClientSampled :

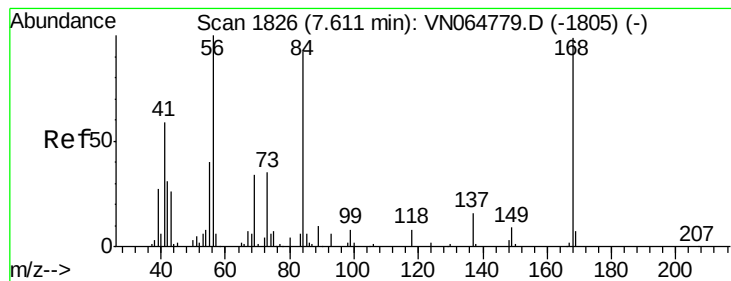
Tot Ion: 43 Resp: 8172
Ion Ratio Lower Upper
43 100
74 18.8 20.2 30.2#



#20
Methylene Chloride
Concen: 0.505 ug/l
RT: 4.48 min Scan# 852
Delta R.T. -0.02 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

Tgt Ion: 84 Resp: 970
Ion Ratio Lower Upper
84 100
49 104.1 93.4 140.0
51 33.7 28.2 42.4
86 42.3 51.7 77.5#





#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

ClientSampleId :

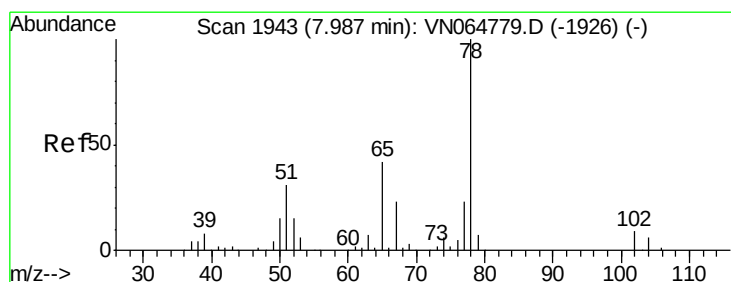
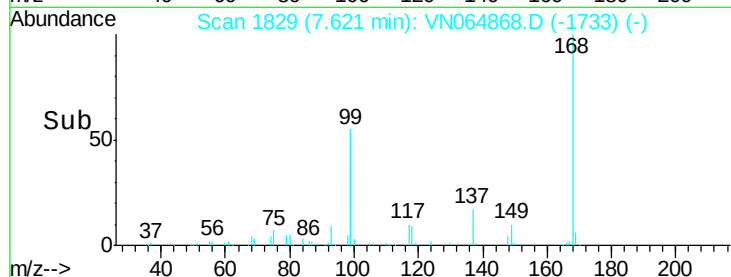
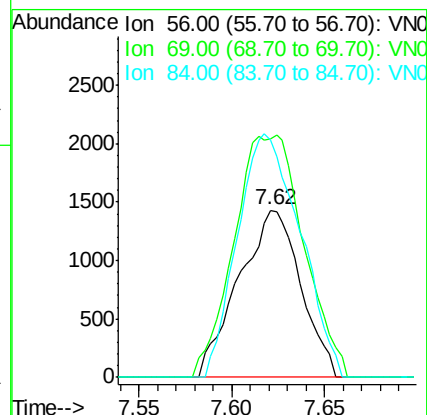
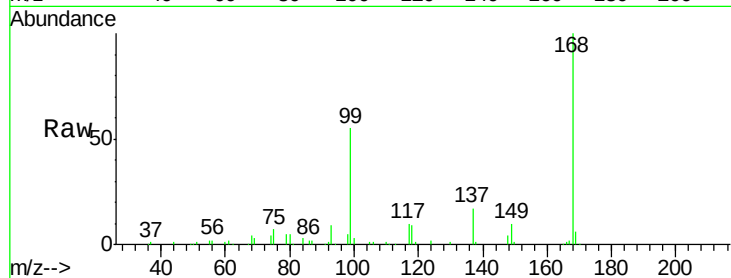
Tot Ion: 56 Resp: 3307

Ion Ratio Lower Upper

56 100

69 142.9 27.5 41.3#

84 141.8 73.9 110.9#



#33

1,2-Dichloroethane-d4

Concen: 52.978 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064868.D

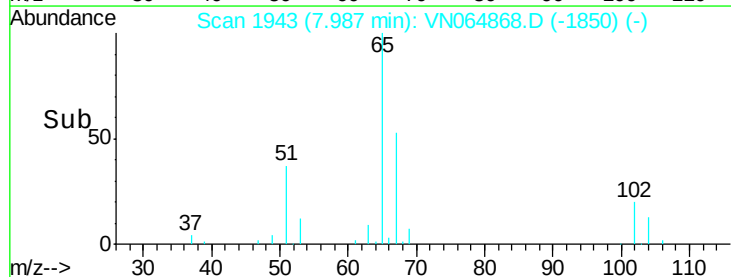
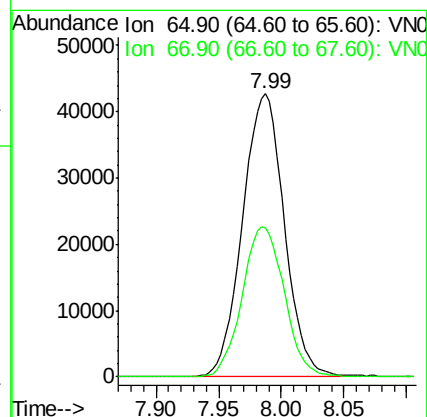
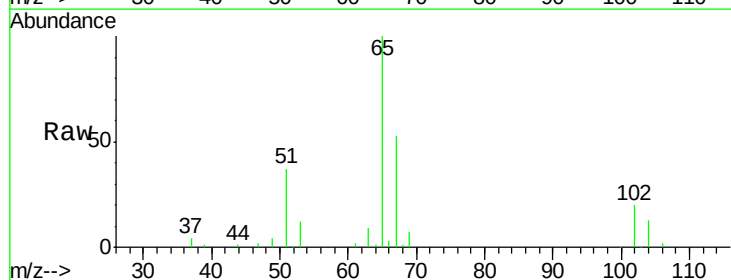
Acq: 30 Nov 2020 13:20

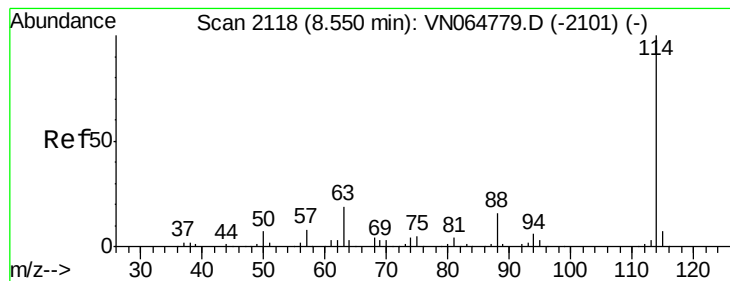
Tgt Ion: 65 Resp: 98768

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

ClientSampleId :

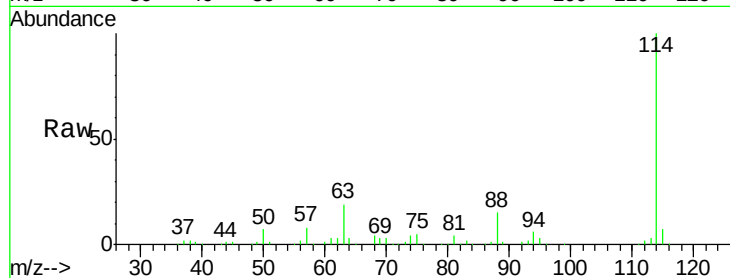
Tot Ion:114 Resp: 284852

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

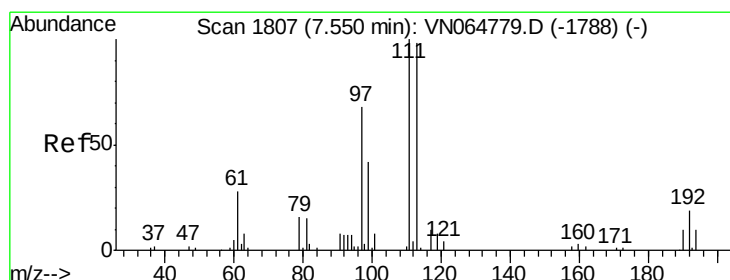
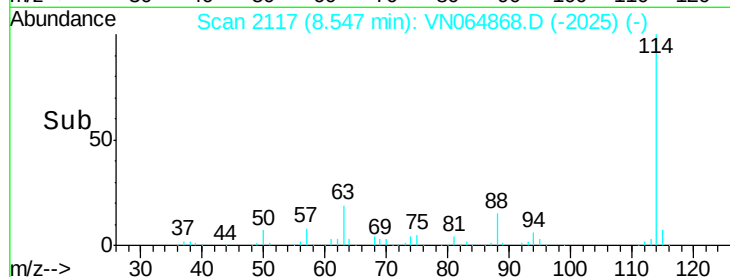
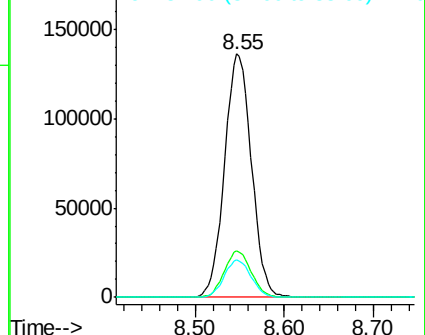
88 15.3 0.0 32.6



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: 50.487 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

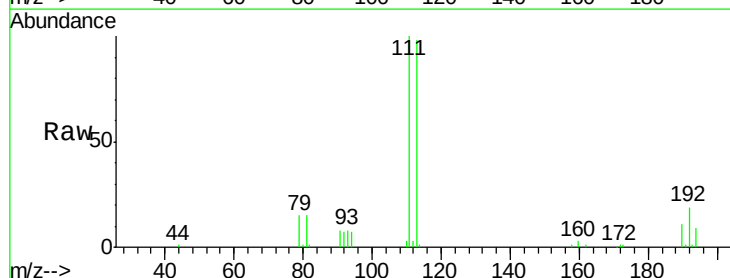
Tgt Ion:113 Resp: 86054

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

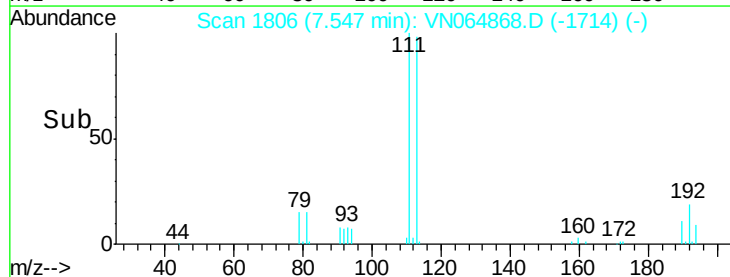
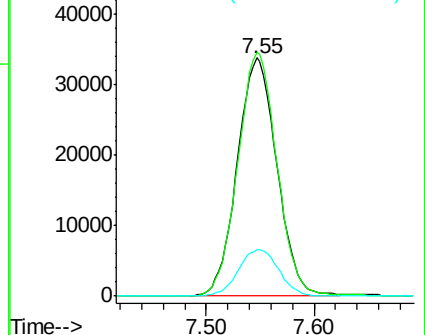
192 19.8 16.2 24.2

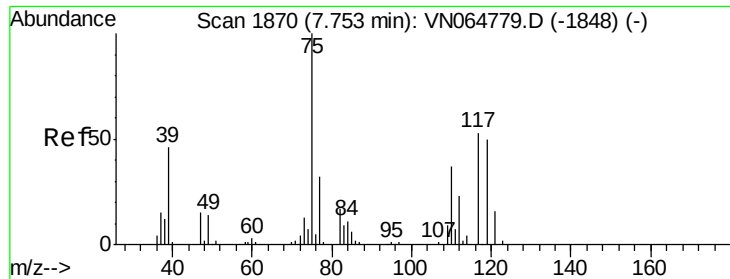


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.431 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

ClientSampled :

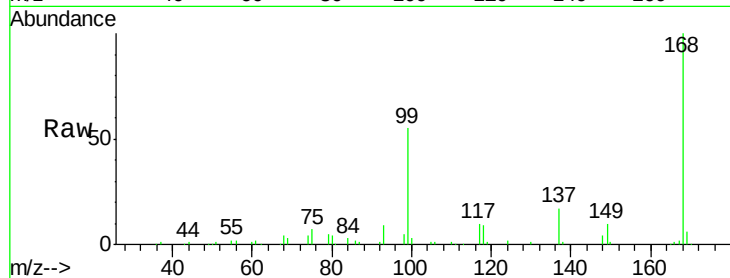
Tot Ion: 75 Resp: 11699

Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.3#

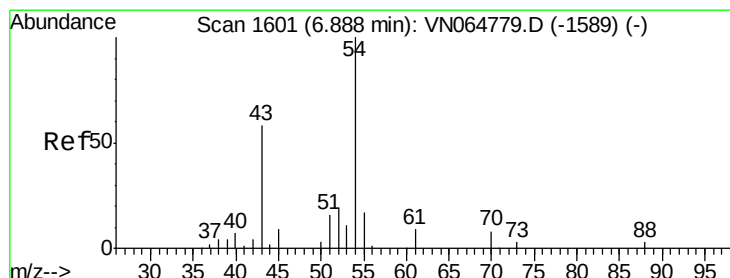
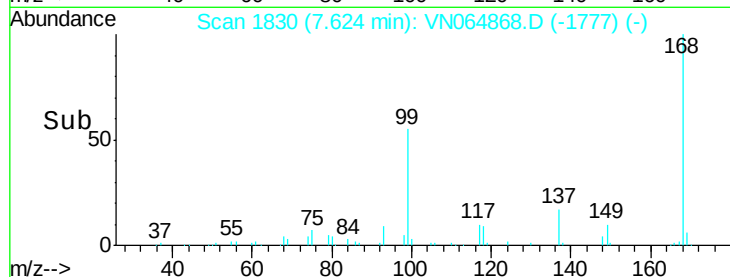
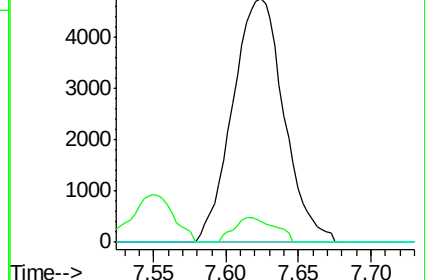
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.201 ug/l

RT: 6.80 min Scan# 1575

Delta R.T. -0.08 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

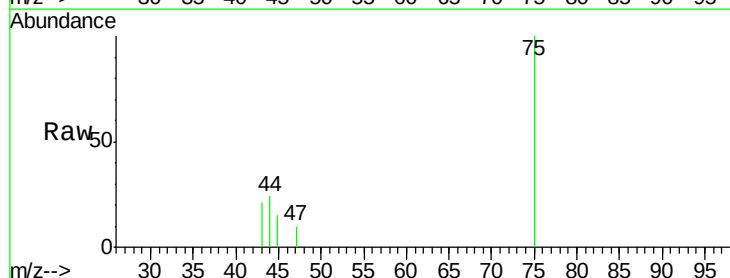
Tgt Ion: 43 Resp: 510

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

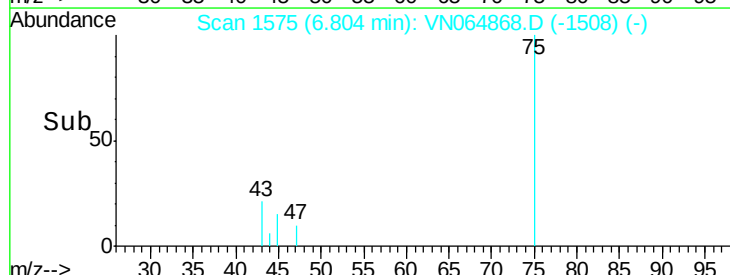
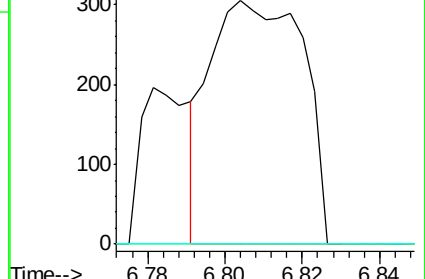
70 0.0 8.8 13.2#

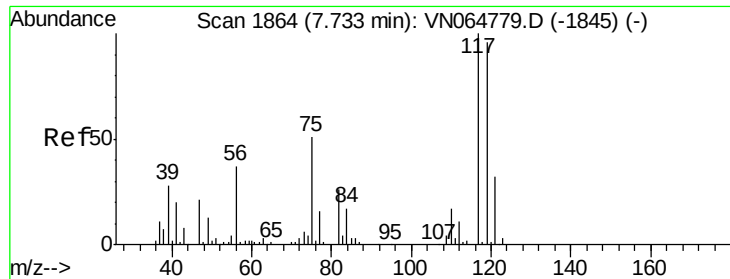


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.816 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

ClientSampled :

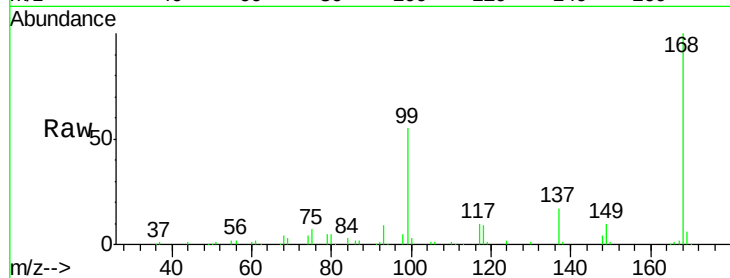
Tot Ion:117 Resp: 15979

Ion Ratio Lower Upper

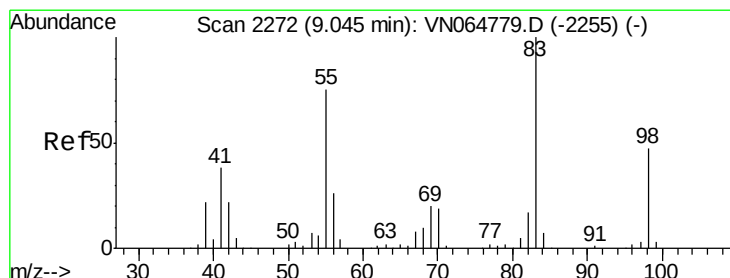
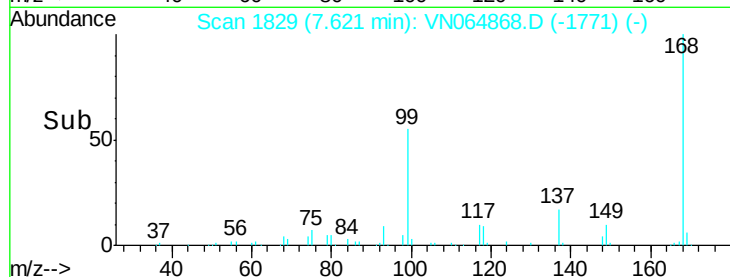
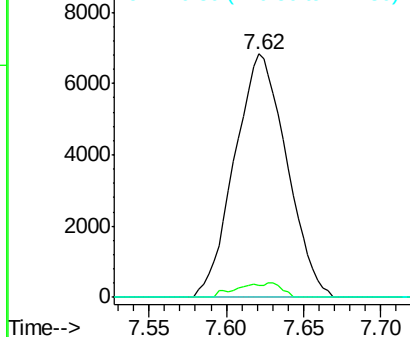
117 100

119 5.0 76.7 115.1#

121 0.0 25.4 38.2#



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



#39

Methylcyclohexane

Concen: 0.748 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

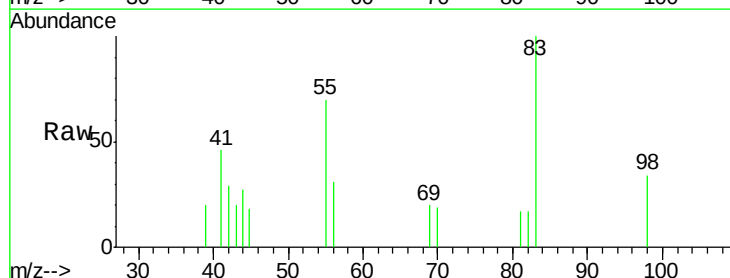
Tgt Ion: 83 Resp: 2126

Ion Ratio Lower Upper

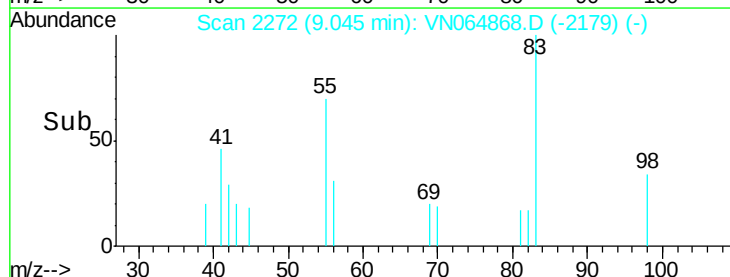
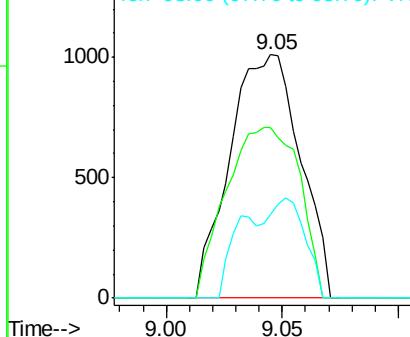
83 100

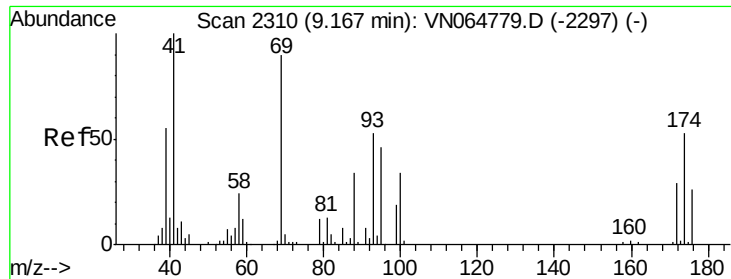
55 70.3 60.2 90.2

98 34.2 37.4 56.2#



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

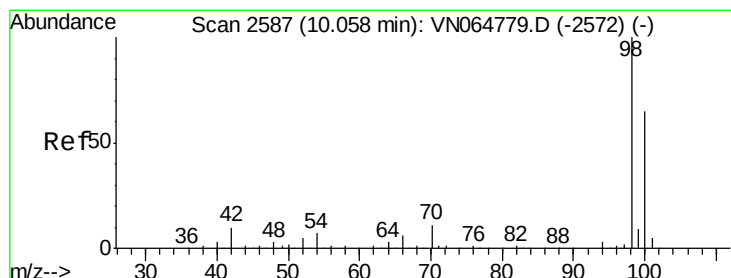
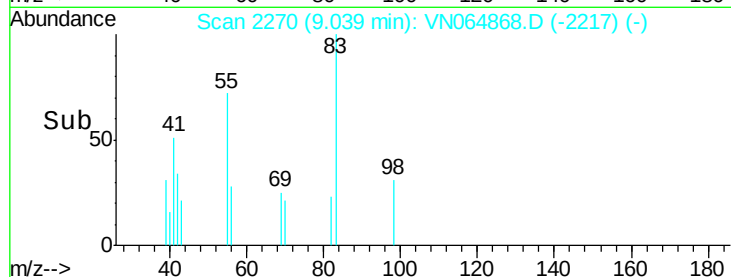
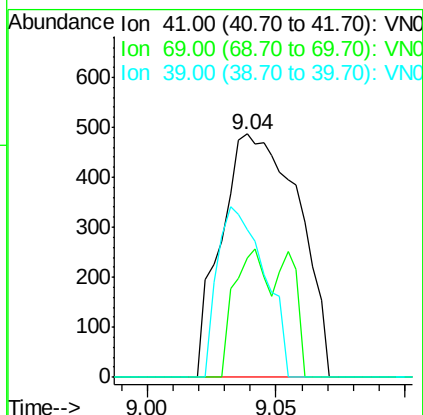
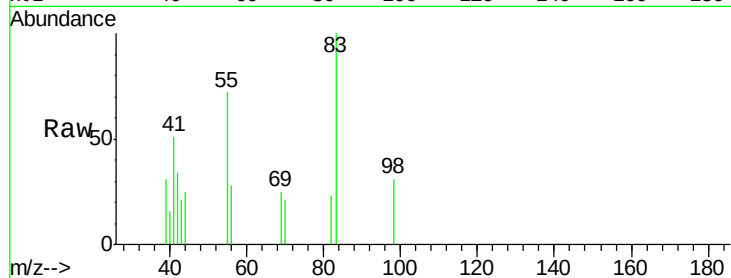




#48
Methvl methacrylate
Concen: 0.521 ug/l
RT: 9.04 min Scan# 2270
Delta R.T. -0.13 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

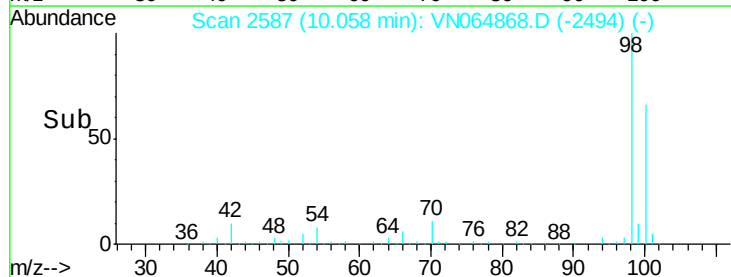
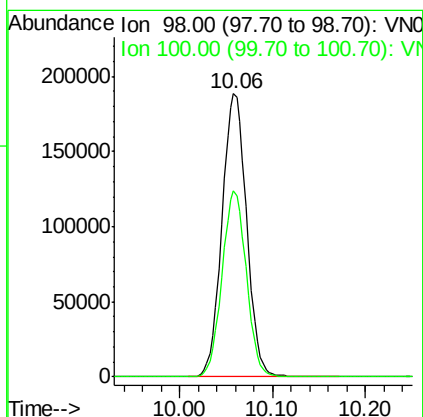
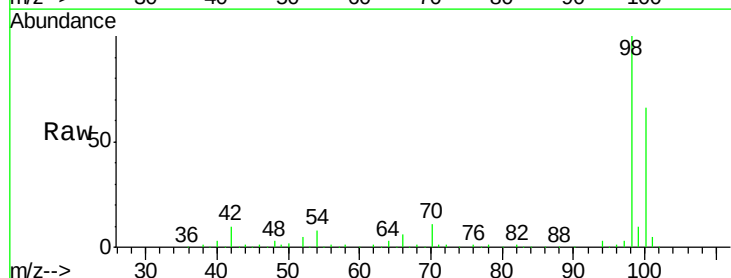
Instrument :
MSVOA_N
ClientSampled :

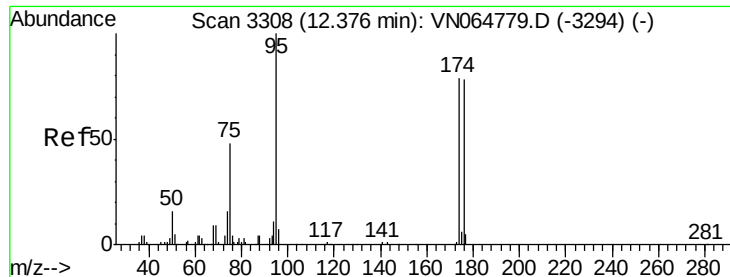
Tot Ion: 41 Resp: 1018
Ion Ratio Lower Upper
41 100
69 23.3 71.8 107.8#
39 42.5 44.1 66.1#



#50
Toluene-d8
Concen: 49.726 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

Tgt Ion: 98 Resp: 346307
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5

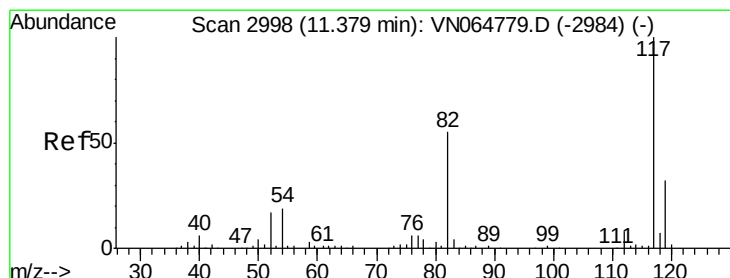
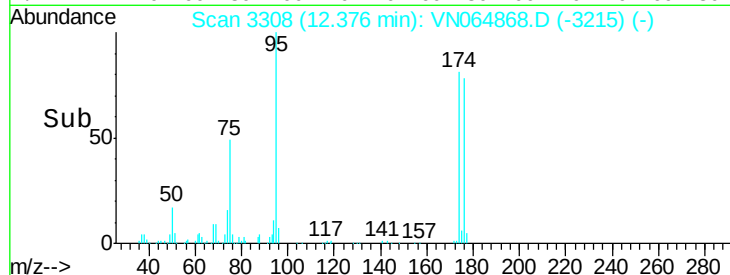
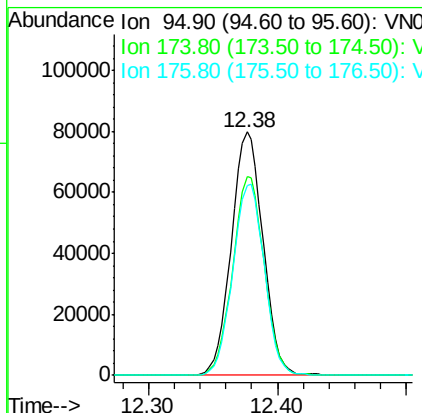
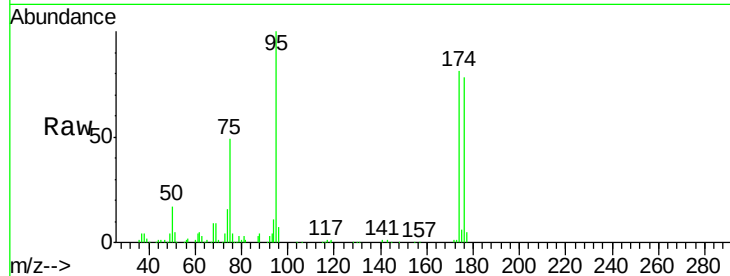




#62
4-Bromofluorobenzene
Concen: 54.601 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

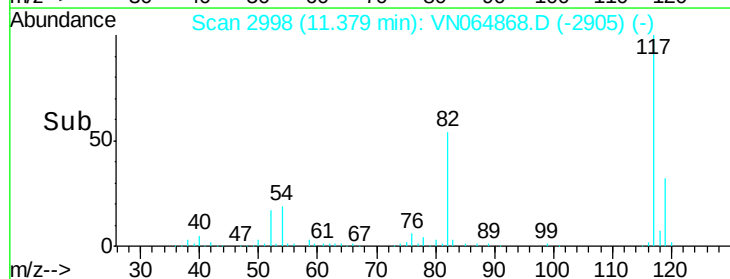
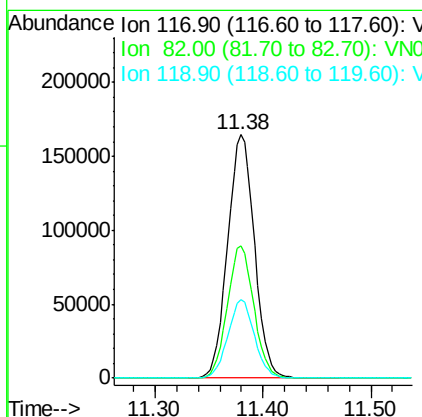
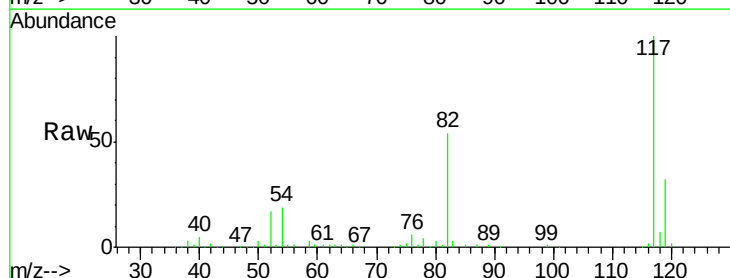
Instrument :
MSVOA_N
ClientSampled :

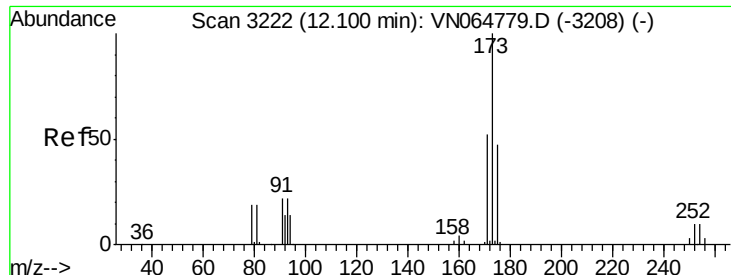
Tot Ion: 95 Resp: 136086
Ion Ratio Lower Upper
95 100
174 81.2 0.0 160.4
176 78.4 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

Tgt Ion: 117 Resp: 285598
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.5 25.8 38.6





#71

Bromoform

Concen: 0.416 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

ClientSampleId :

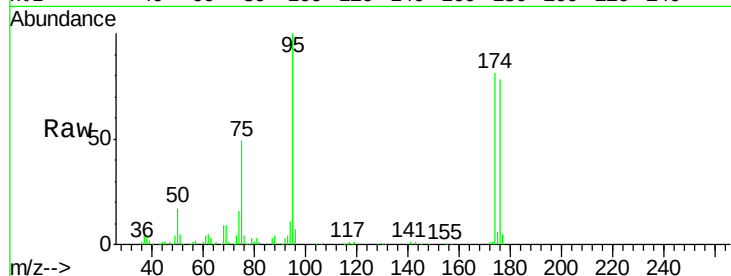
Tot Ion:173 Resp: 749

Ion Ratio Lower Upper

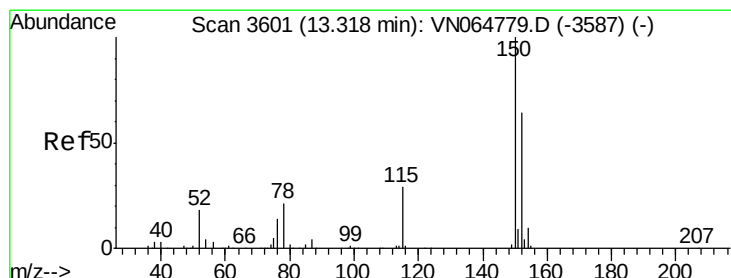
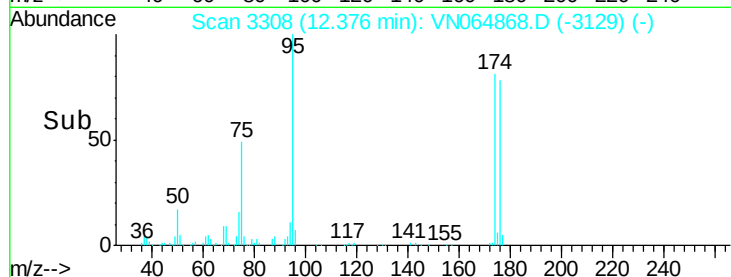
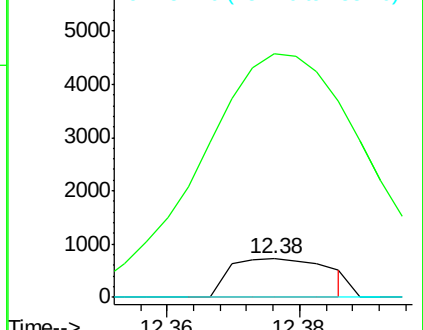
173 100

175 869.4 24.3 72.8#

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# 3601

Delta R.T. -0.00 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

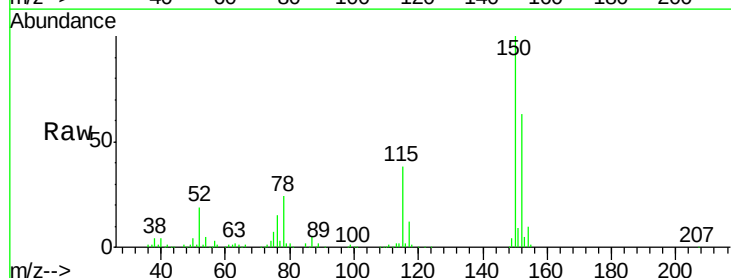
Tgt Ion:152 Resp: 137736

Ion Ratio Lower Upper

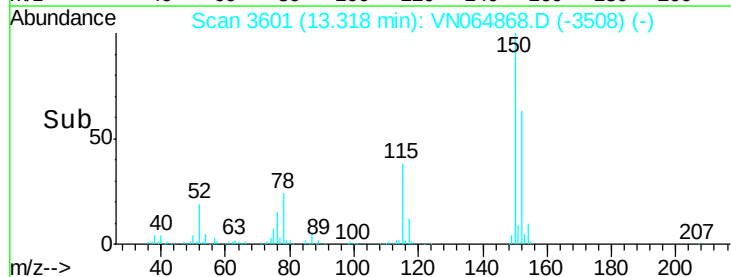
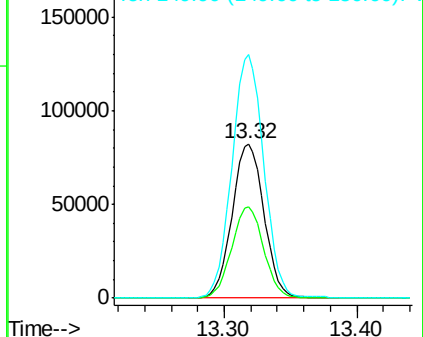
152 100

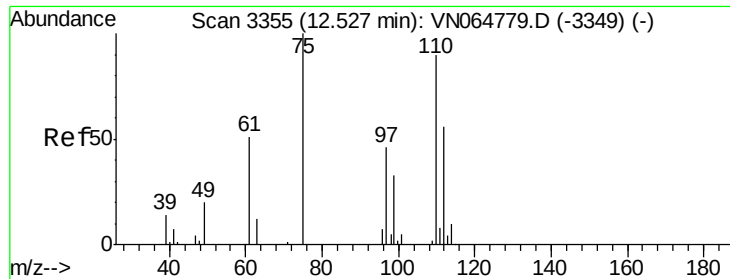
115 59.1 29.7 89.1

150 158.4 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: 22.110 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

Instrument :

MSVOA_N

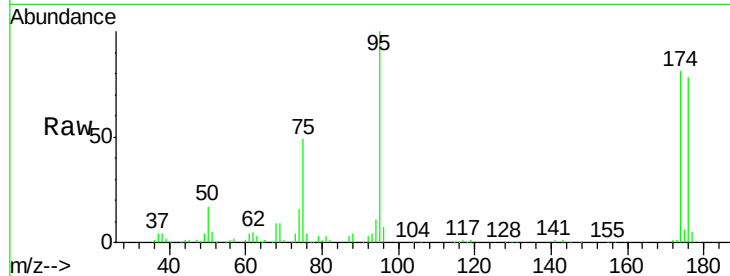
ClientSampled :

Tot Ion: 75 Resp: 65583

Ion Ratio Lower Upper

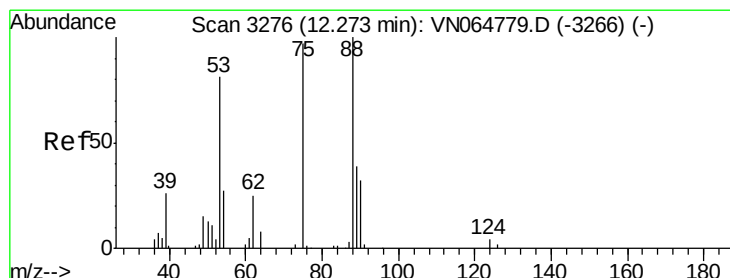
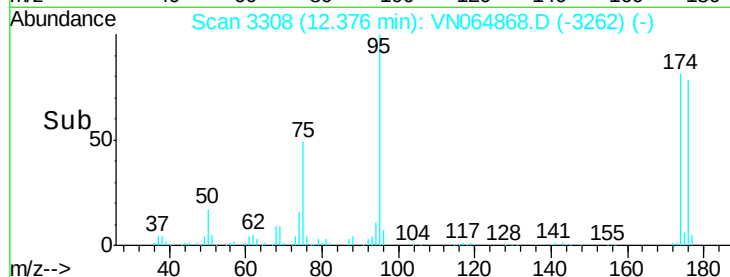
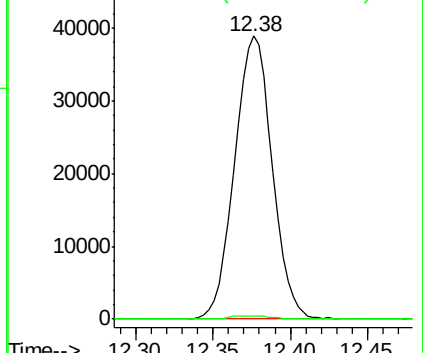
75 100

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: 60.597 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064868.D

Acq: 30 Nov 2020 13:20

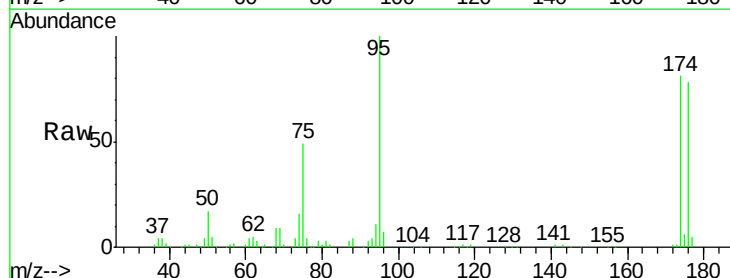
Tgt Ion: 75 Resp: 65583

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

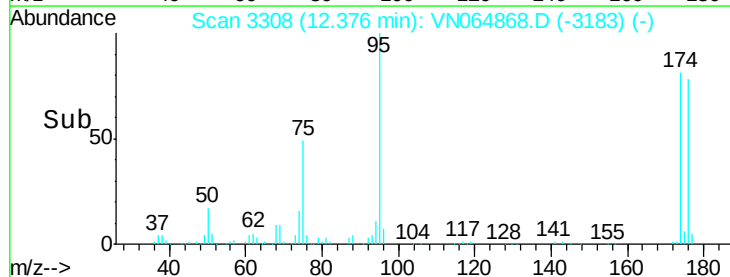
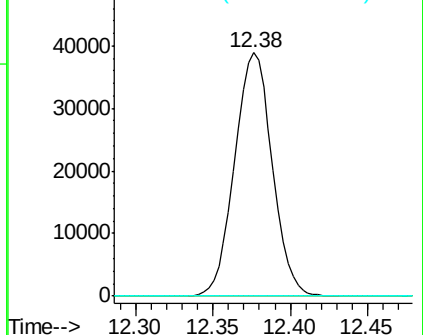
89 0.0 39.6 59.4#

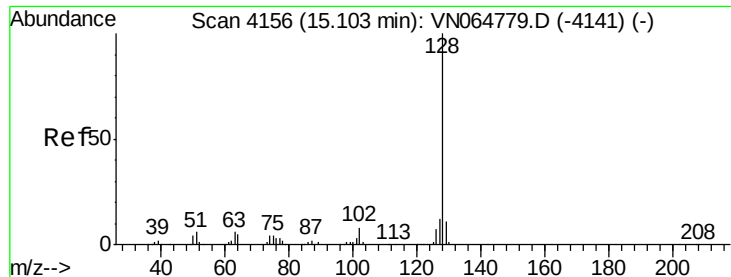


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

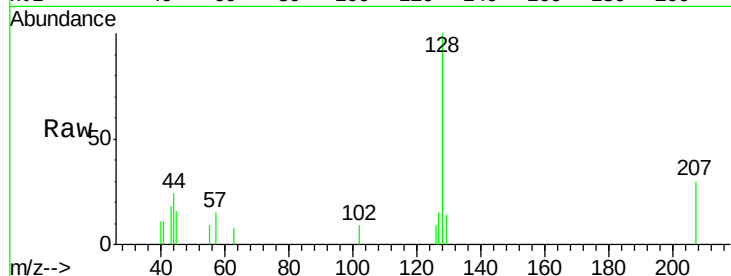




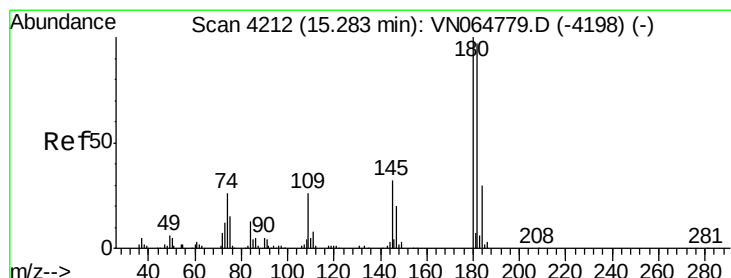
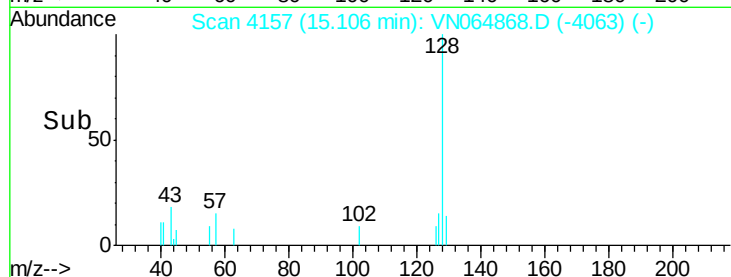
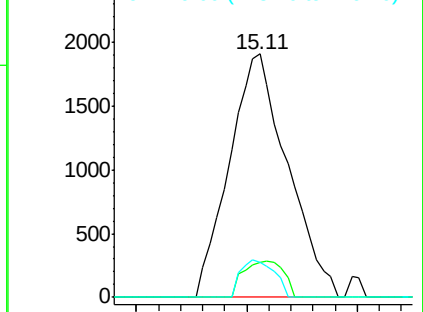
#95
Naphthalene
Concen: 0.419 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 3495
Ion Ratio Lower Upper
128 100
127 10.4 10.3 15.5
129 8.9 8.7 13.1

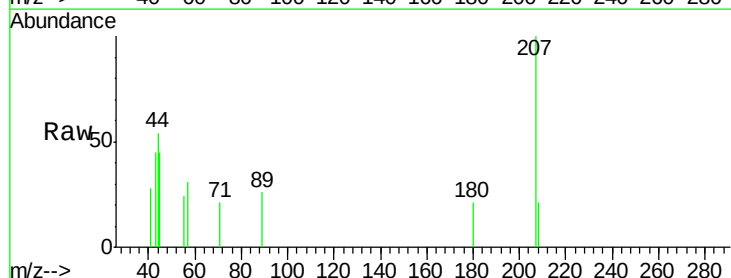


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.403 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064868.D
Acq: 30 Nov 2020 13:20

Tgt Ion:180 Resp: 31
Ion Ratio Lower Upper
180 100
182 0.0 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

