

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
 Data File : VN065049.D
 Acq On : 10 Dec 2020 18:07
 Operator : JC/MD
 Sample : VN1210WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL01

Quant Time: Dec 11 03:45:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	154308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	287316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100420	54.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	109.32%		
35) Dibromofluoromethane	7.55	113	93069	49.99	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.98%		
50) Toluene-d8	10.06	98	348437	48.79	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.58%		
62) 4-Bromofluorobenzene	12.37	95	128335	52.43	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.86%		

Target Compounds

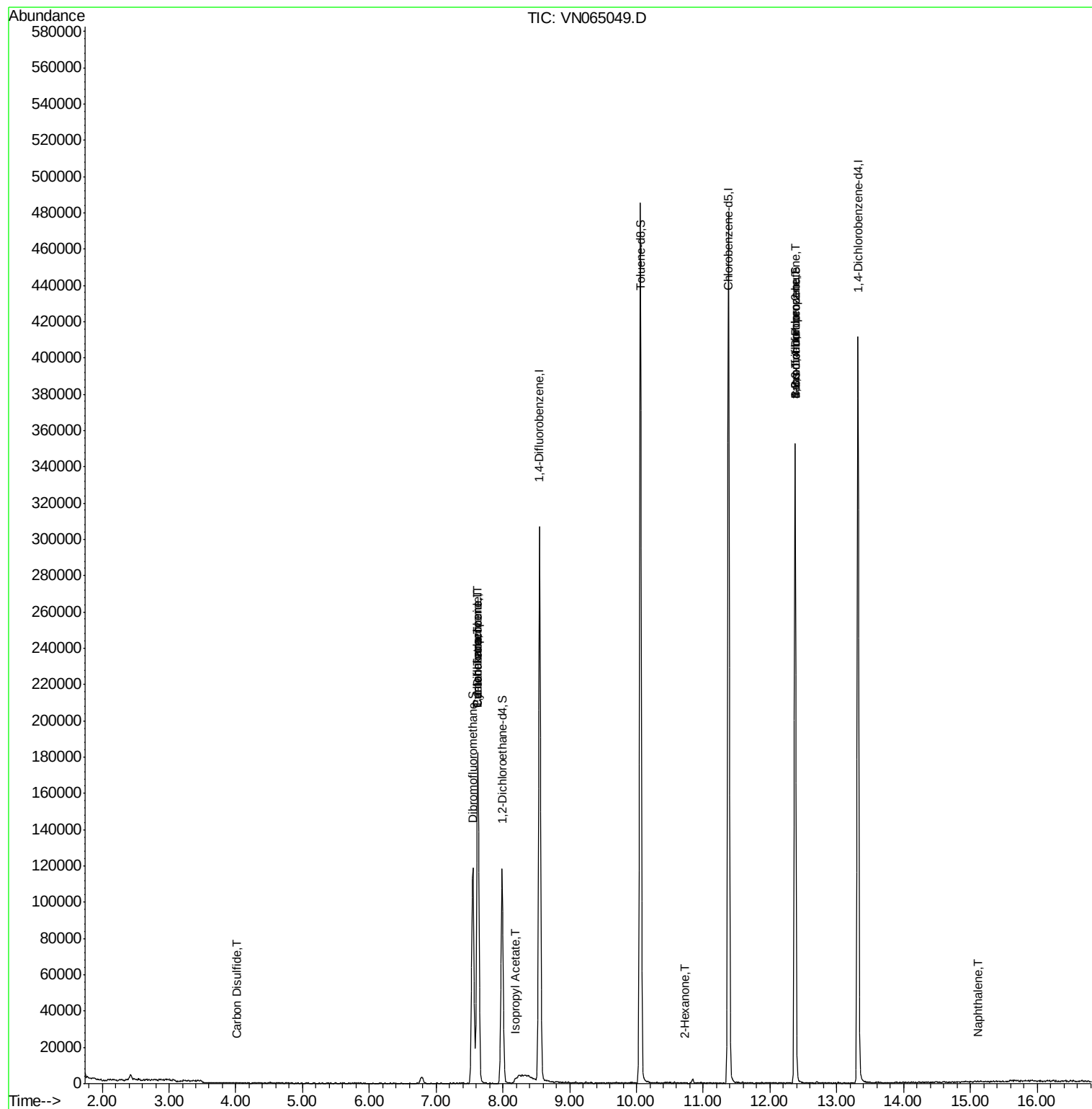
					Qvalue	
17) Carbon Disulfide	4.02	76	563	1.074	ug/l #	75
31) Cyclohexane	7.62	56	2853	2.700	ug/l #	7
36) 1,1-Dichloropropene	7.62	75	10675	4.448	ug/l #	47
38) Carbon Tetrachloride	7.62	117	14361	5.632	ug/l #	17
43) Isopropyl Acetate	8.19	43	1336	0.368	ug/l #	59
59) 2-Hexanone	10.71	43	385	0.246	ug/l #	23
71) Bromoform	12.38	173	1057	0.615	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	60851	25.990	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	60851	73.975	ug/l #	15
95) Naphthalene	15.11	128	441	6.272	ug/l #	70

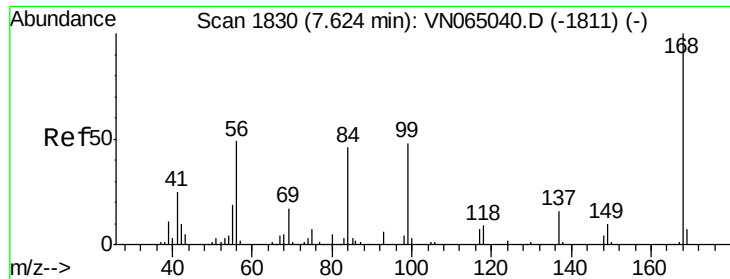
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 10 16:04:22 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: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

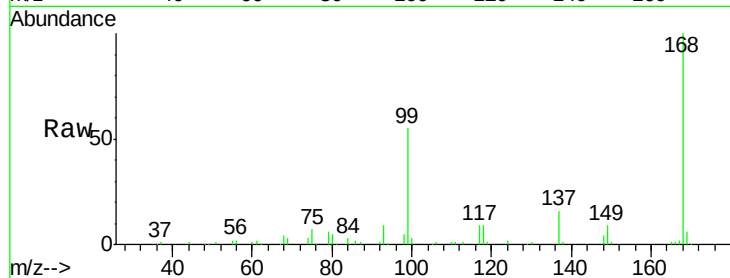
VN1210WBL01

Tgt Ion:168 Resp: 154308

Ion Ratio Lower Upper

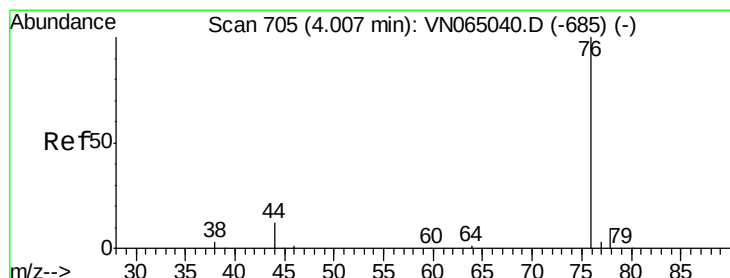
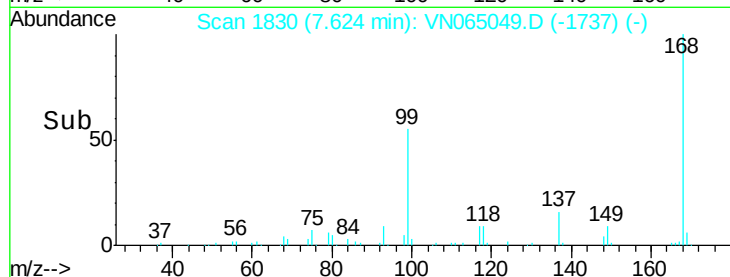
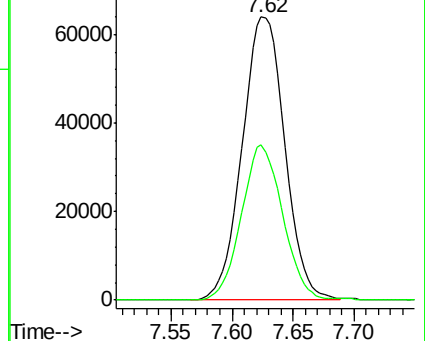
168 100

99 54.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#17

Carbon Disulfide

Concen: 1.074 ug/l

RT: 4.02 min Scan# 710

Delta R.T. 0.02 min

Lab File: VN065049.D

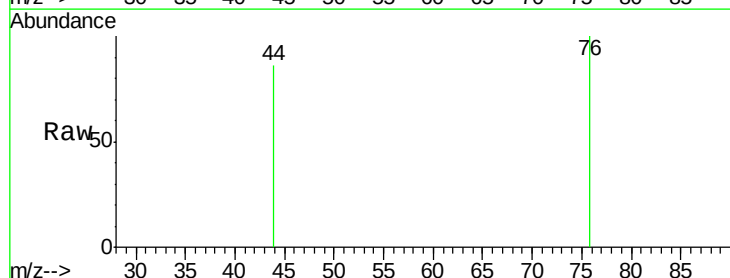
Acq: 10 Dec 2020 18:07

Tgt Ion: 76 Resp: 563

Ion Ratio Lower Upper

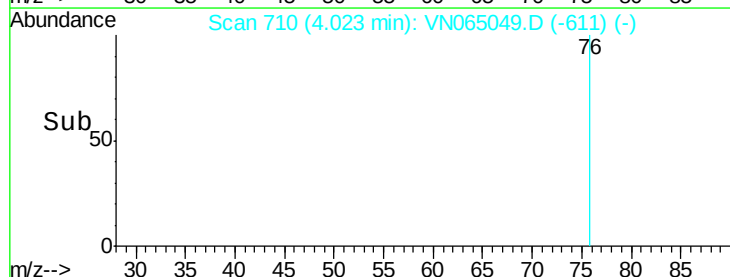
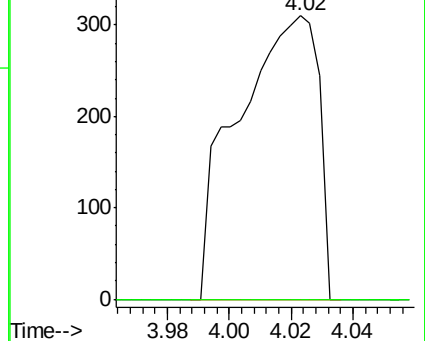
76 100

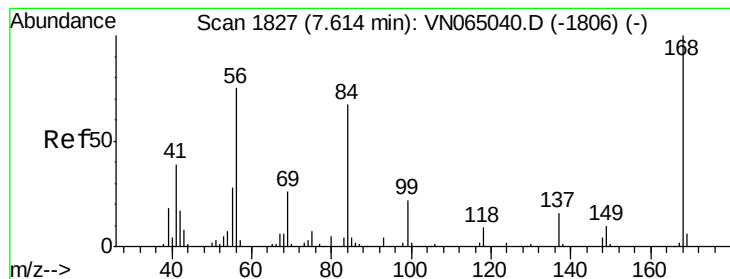
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#31

Cyclohexane

Concen: 2.700 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

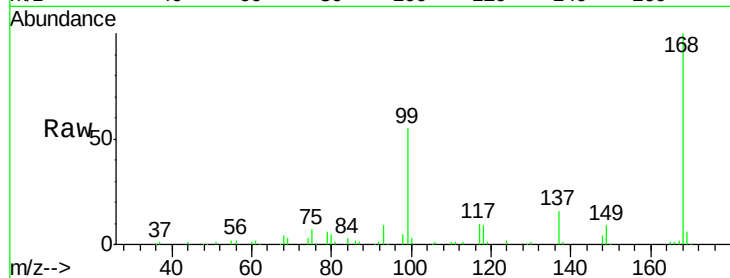
Tgt Ion: 56 Resp: 2853

Ion Ratio Lower Upper

56 100

69 147.1 27.5 41.3#

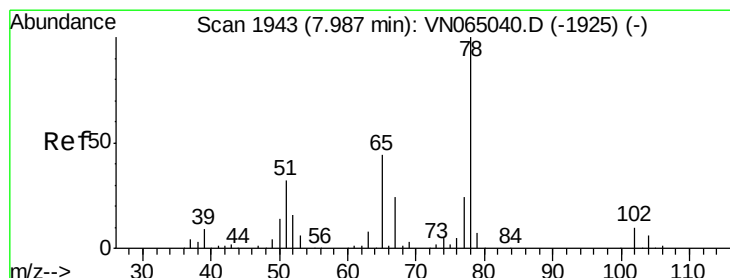
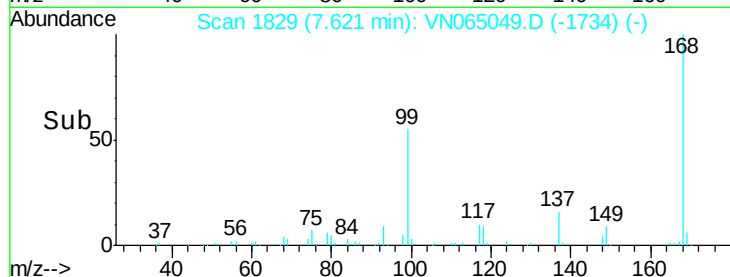
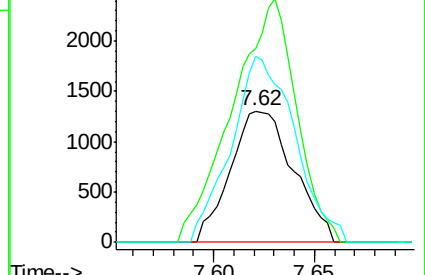
84 141.7 72.4 108.6#



Abundance Ion 56.00 (55.70 to 56.70): VN065049.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN065049.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN065049.D (-1734) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.660 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065049.D

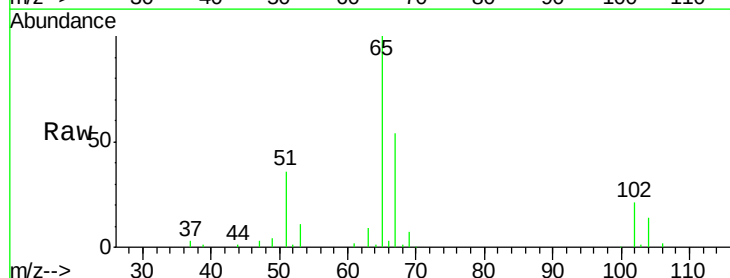
Acq: 10 Dec 2020 18:07

Tgt Ion: 65 Resp: 100420

Ion Ratio Lower Upper

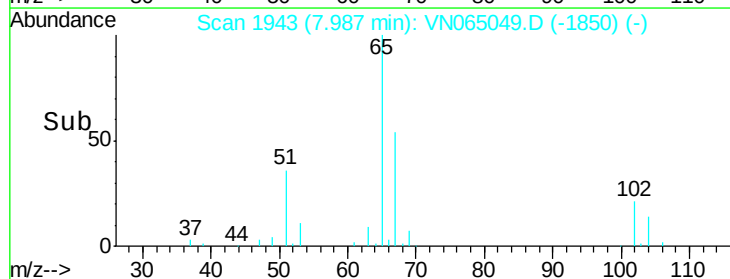
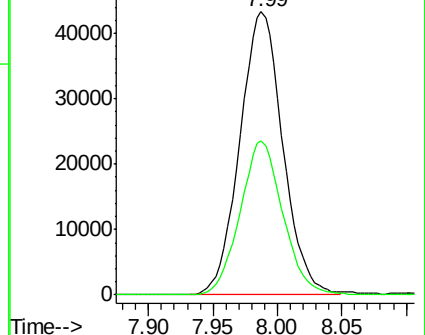
65 100

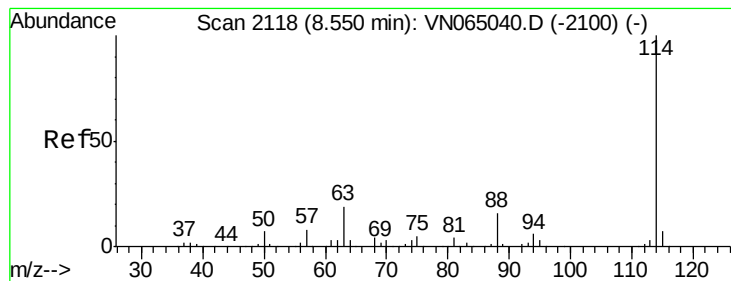
67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN065049.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN065049.D (-1850) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

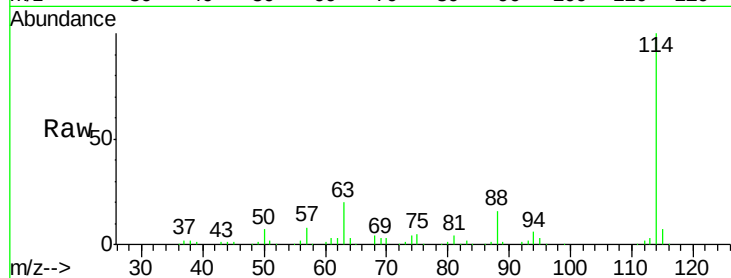
Tgt Ion:114 Resp: 281392

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.2

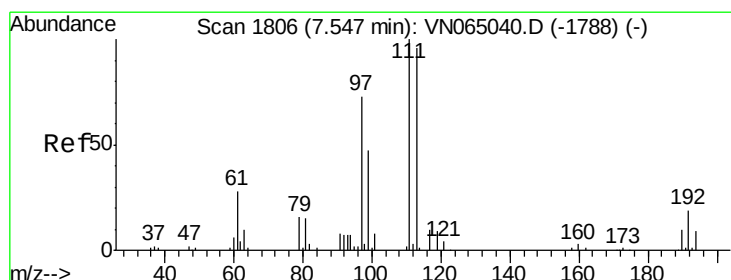
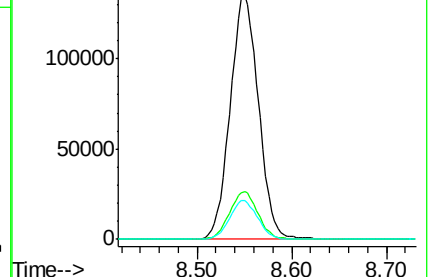
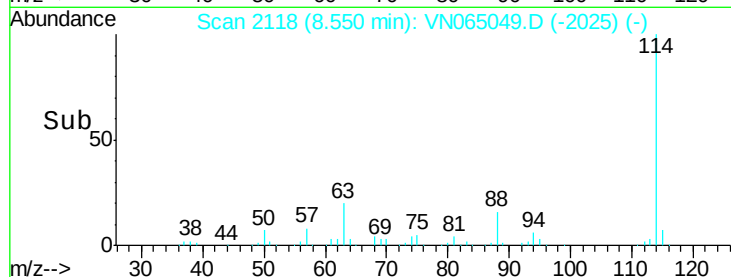
88 15.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.994 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

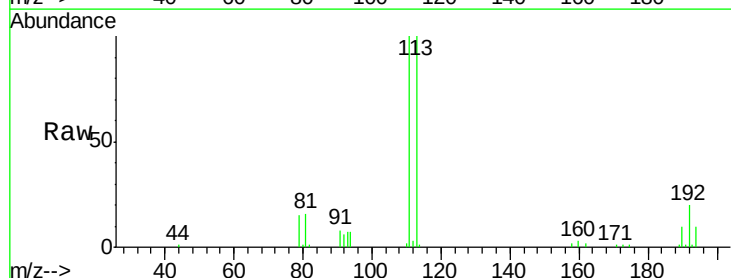
Tgt Ion:113 Resp: 93069

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

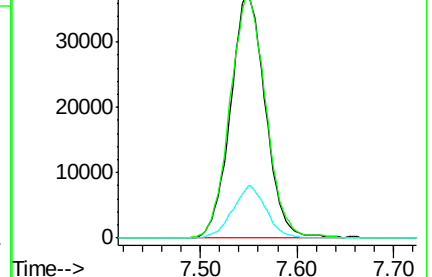
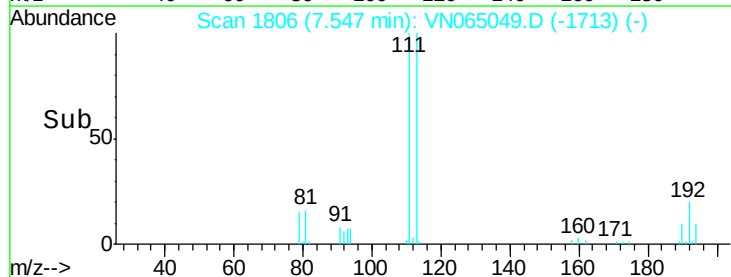
192 20.6 16.2 24.2

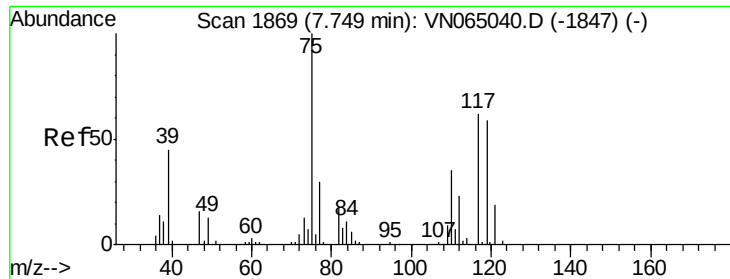


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

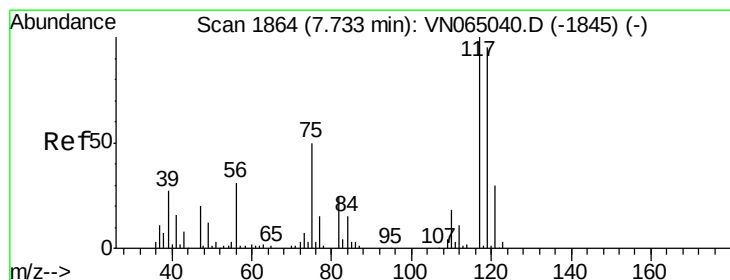
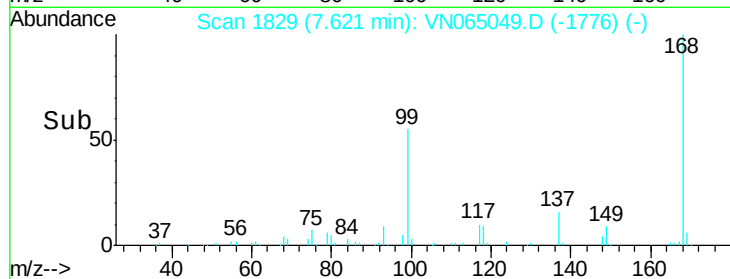
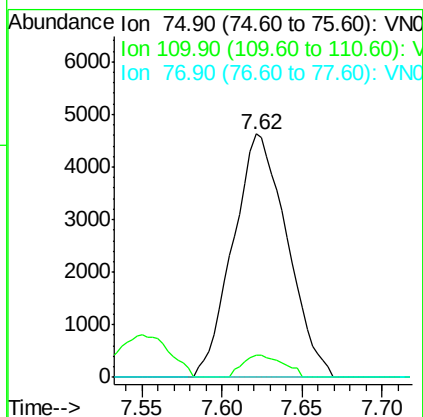
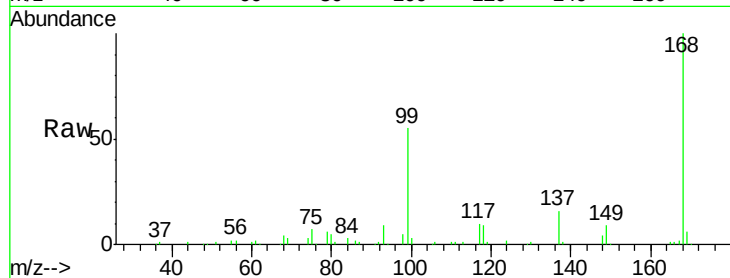




#36
 1,1-Dichloropropene
 Concen: 4.448 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN065049.D
 Acq: 10 Dec 2020 18:07

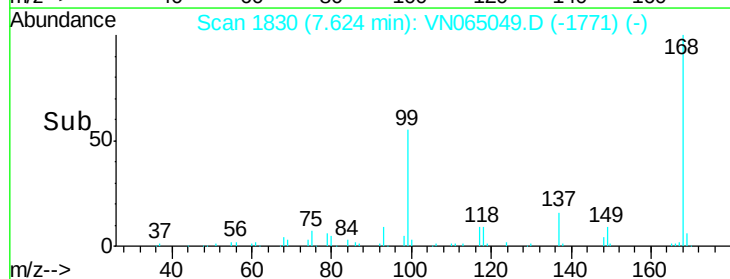
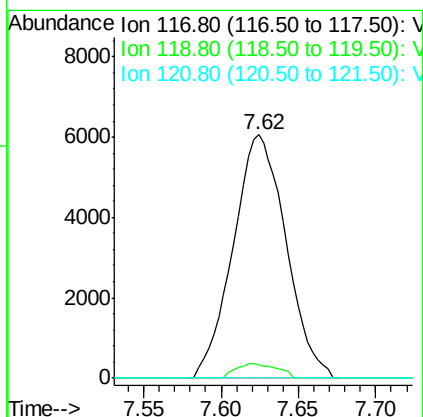
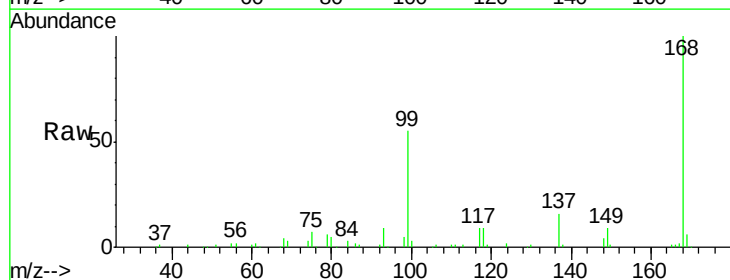
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL01

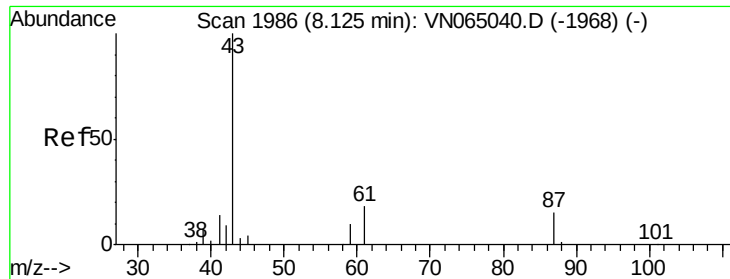
Tgt Ion: 75 Resp: 10675
 Ion Ratio Lower Upper
 75 100
 110 6.8 18.1 54.1#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.632 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN065049.D
 Acq: 10 Dec 2020 18:07

Tgt Ion: 117 Resp: 14361
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.9 113.9#
 121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 0.368 ug/l

RT: 8.19 min Scan# 2005

Delta R.T. 0.06 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

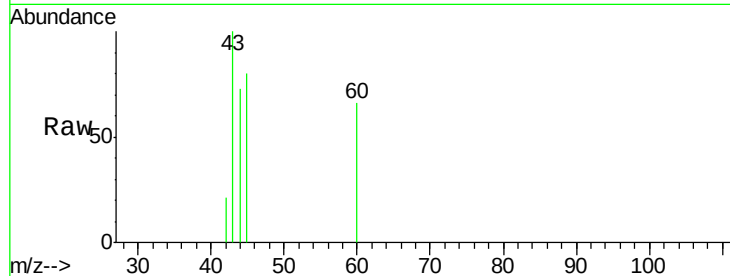
Tgt Ion: 43 Resp: 1336

Ion Ratio Lower Upper

43 100

61 0.0 16.9 25.3#

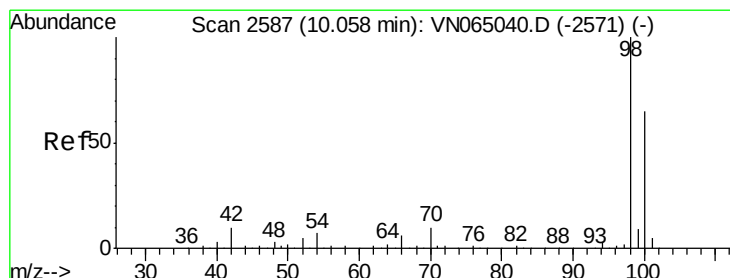
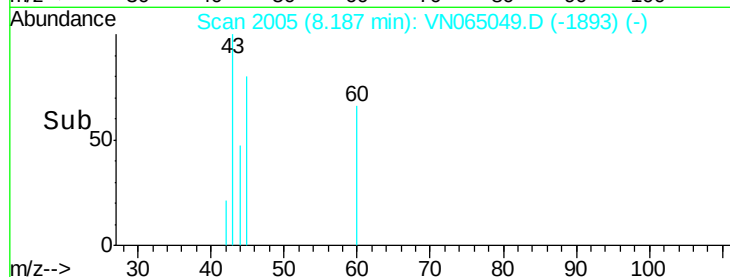
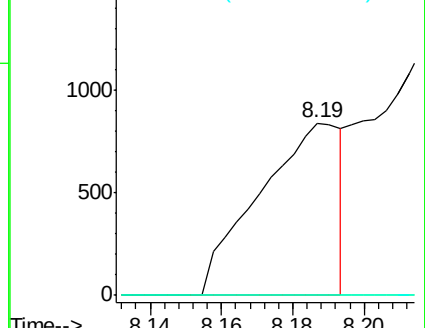
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.787 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065049.D

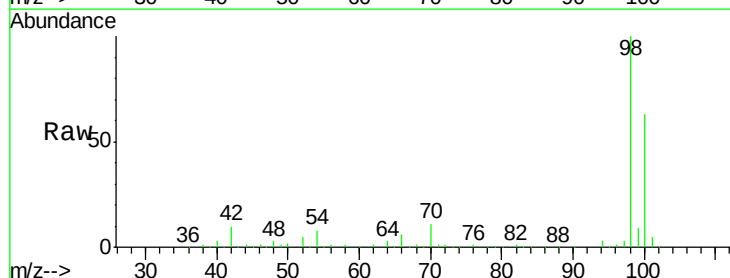
Acq: 10 Dec 2020 18:07

Tgt Ion: 98 Resp: 348437

Ion Ratio Lower Upper

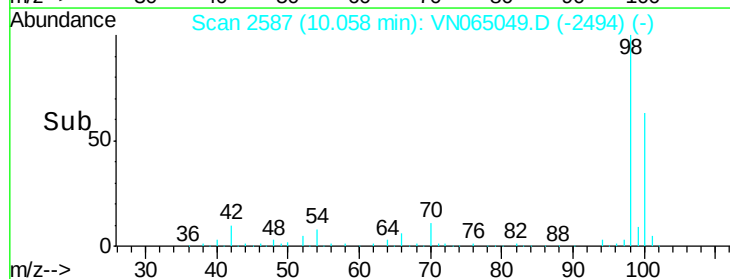
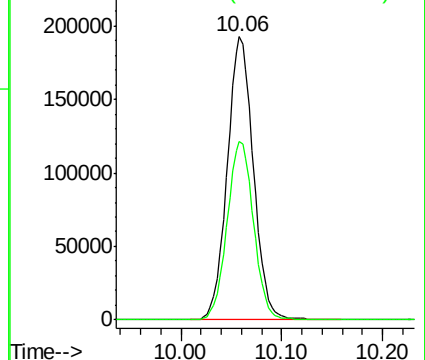
98 100

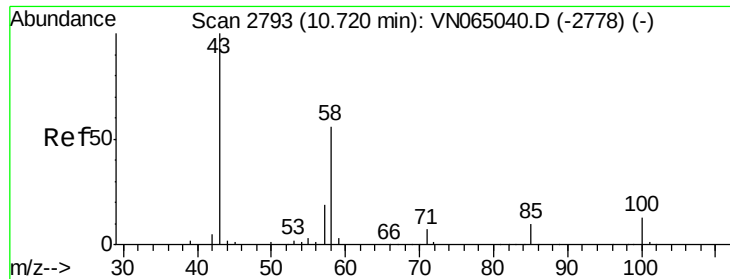
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

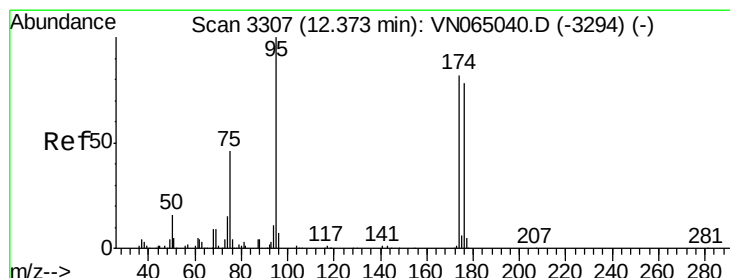
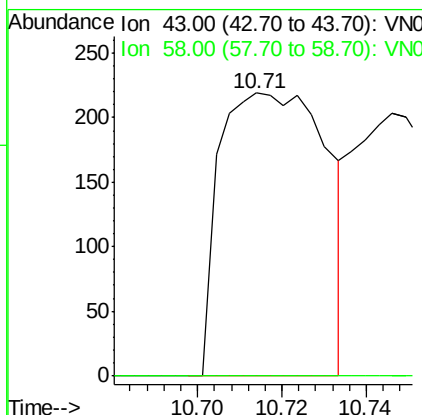
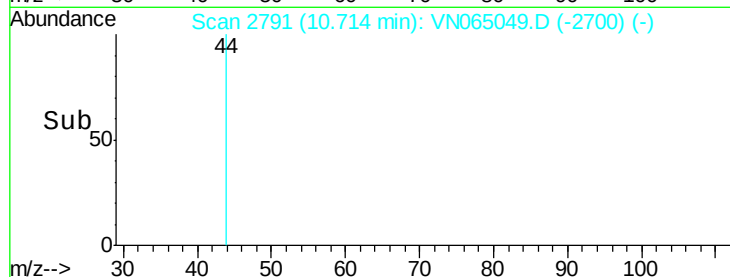
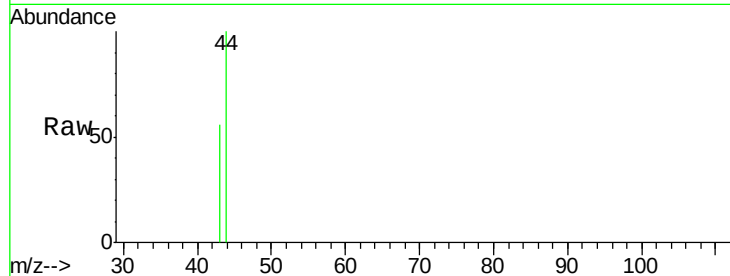




#59
2-Hexanone
Concen: 0.246 ug/l
RT: 10.71 min Scan# 2791
Delta R.T. -0.01 min
Lab File: VN065049.D
Acq: 10 Dec 2020 18:07

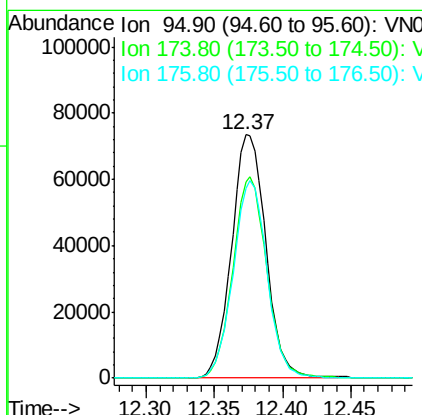
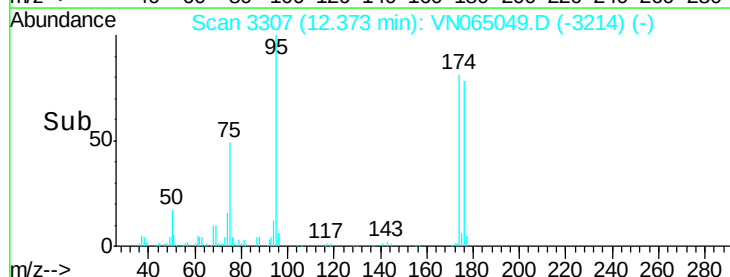
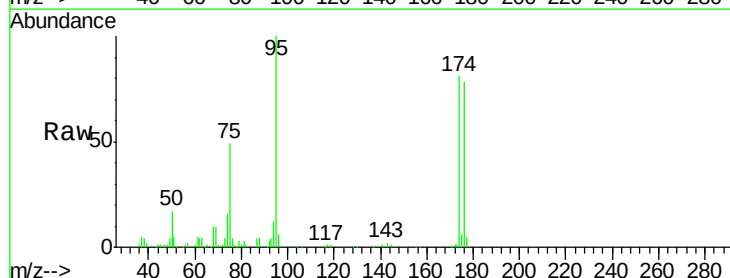
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

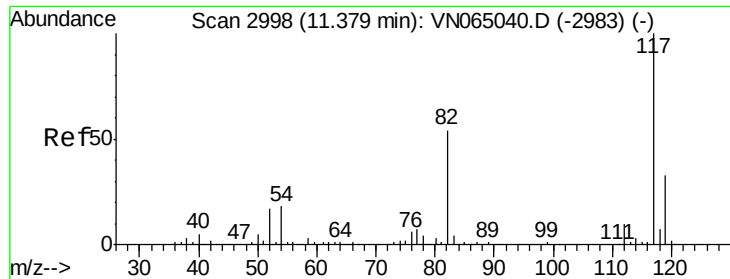
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 52.426 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN065049.D
Acq: 10 Dec 2020 18:07

Tgt Ion: 95 Resp: 128335
Ion Ratio Lower Upper
95 100
174 82.1 0.0 164.8
176 80.0 0.0 158.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

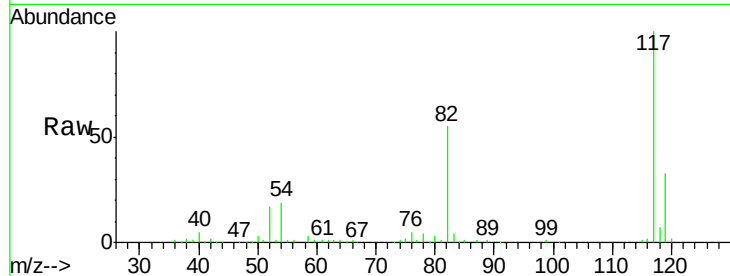
Tgt Ion:117 Resp: 287316

Ion Ratio Lower Upper

117 100

82 54.6 43.5 65.3

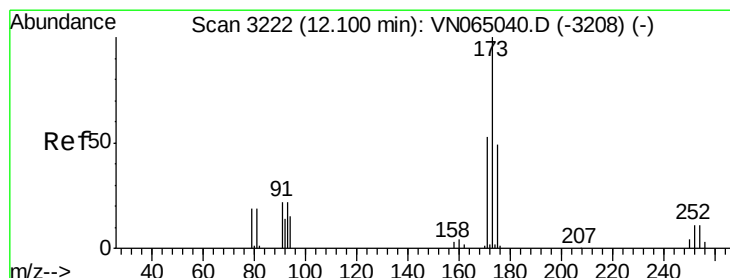
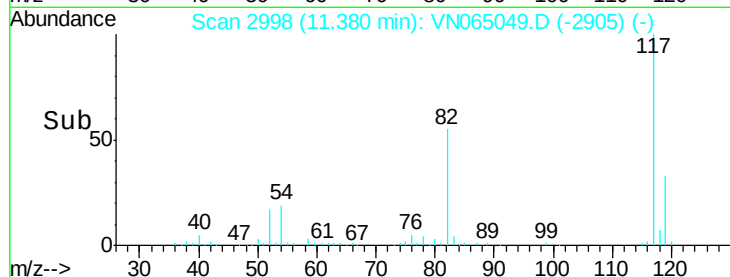
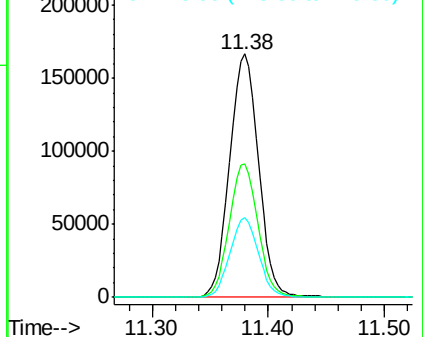
119 32.9 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.615 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

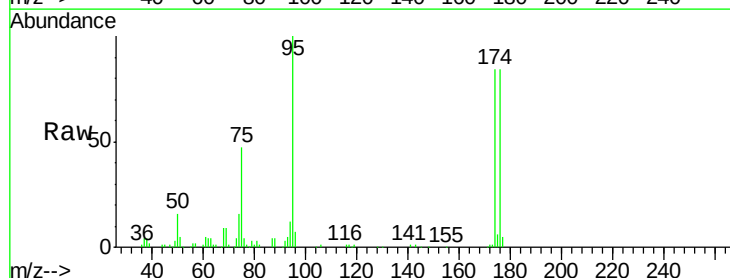
Tgt Ion:173 Resp: 1057

Ion Ratio Lower Upper

173 100

175 619.4 24.5 73.5#

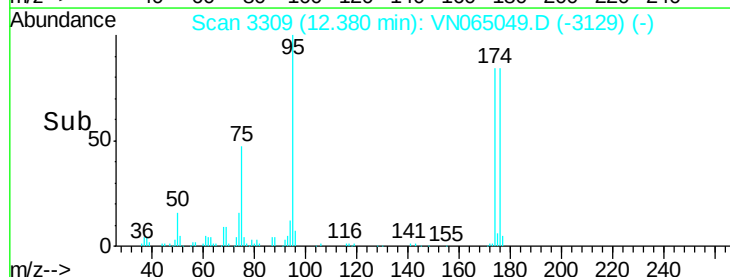
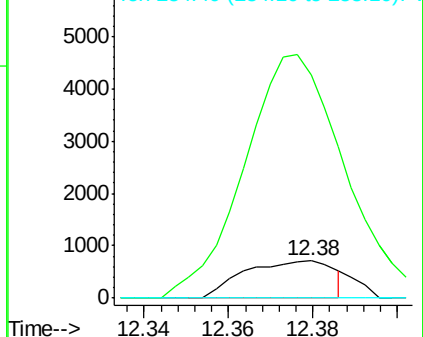
254 0.0 0.0 0.0

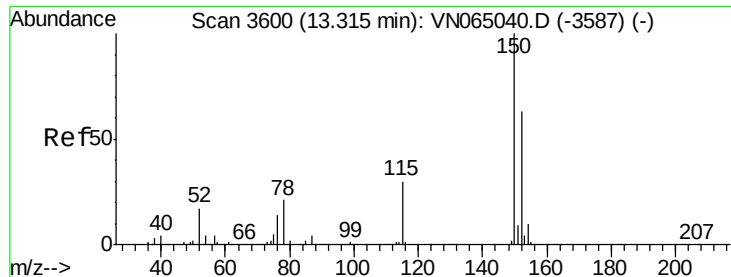


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampled :

VN1210WBL01

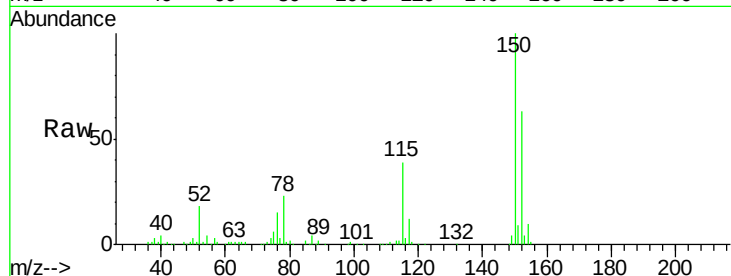
Tgt Ion:152 Resp: 120196

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

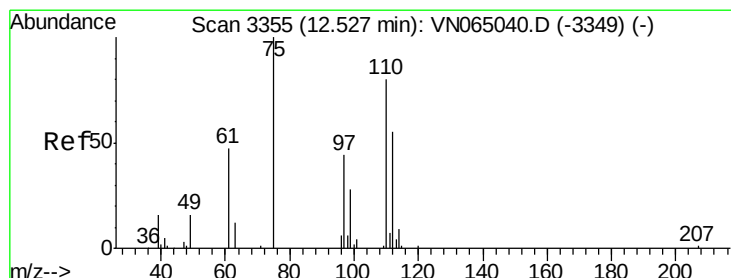
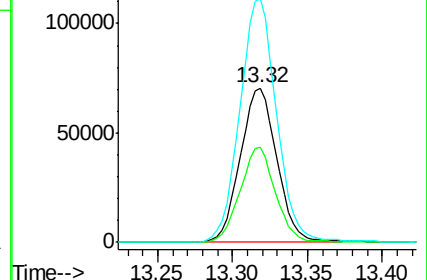
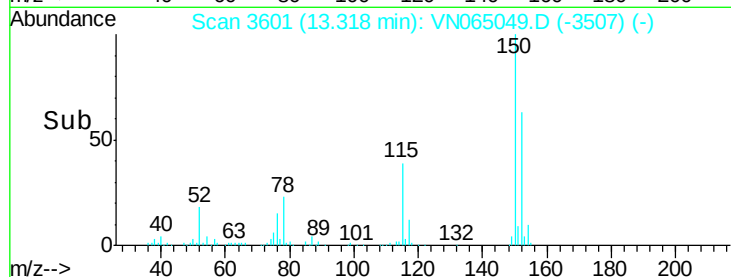
150 158.6 0.0 345.8



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: 25.990 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN065049.D

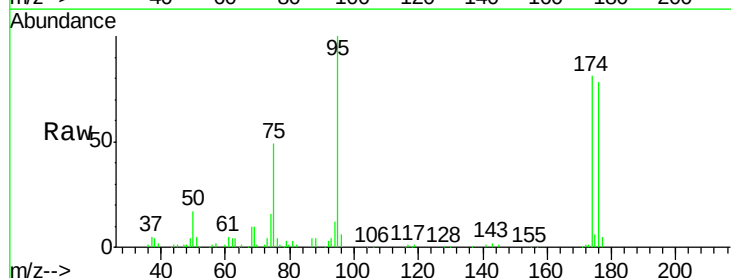
Acq: 10 Dec 2020 18:07

Tgt Ion: 75 Resp: 60851

Ion Ratio Lower Upper

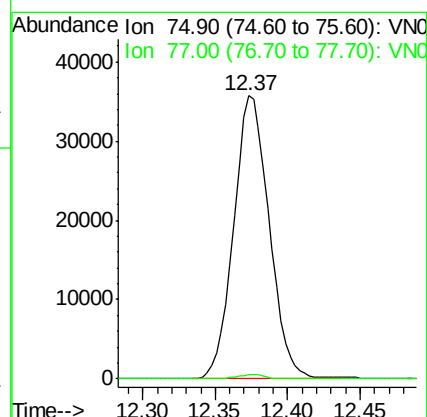
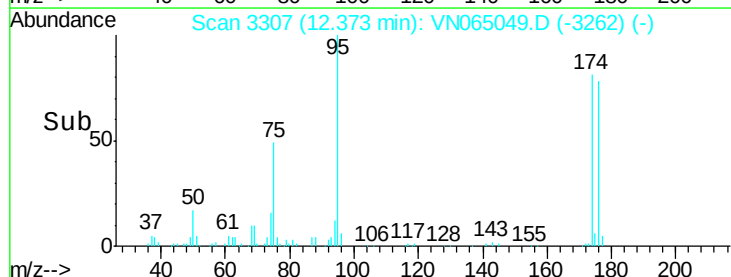
75 100

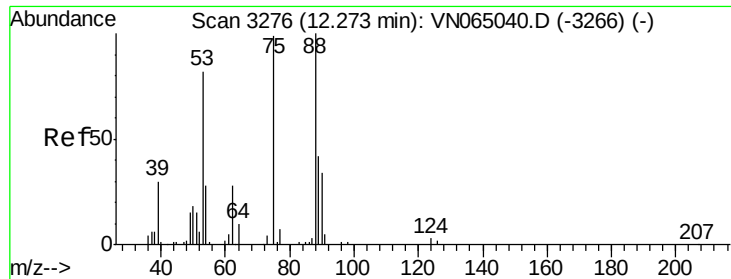
77 1.1 0.0 0.0#



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: 73.975 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

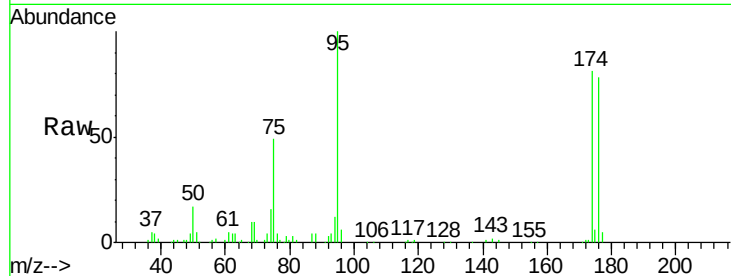
Tgt Ion: 75 Resp: 60851

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

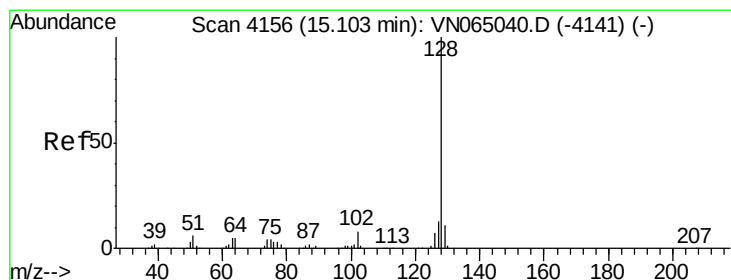
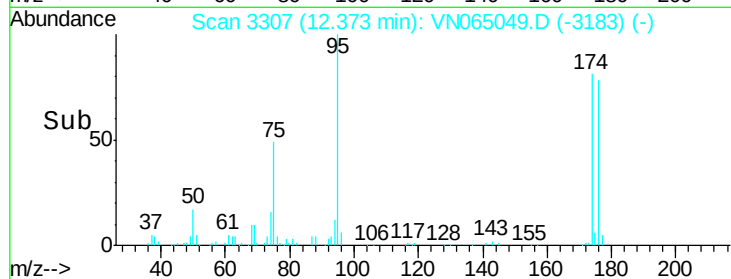
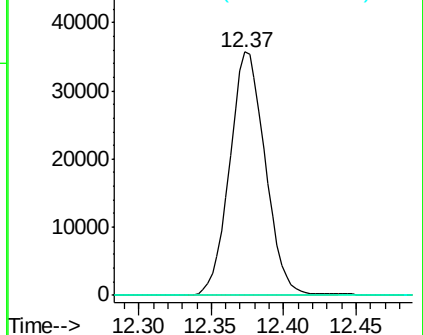
89 0.0 36.2 54.4#



Abundance Ion 74.90 (74.60 to 75.60): VN065049.D (-3307) (-)

Ion 53.00 (52.70 to 53.70): VN065049.D (-3307) (-)

Ion 88.90 (88.60 to 89.60): VN065049.D (-3307) (-)



#95

Naphthalene

Concen: 6.272 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN065049.D

Acq: 10 Dec 2020 18:07

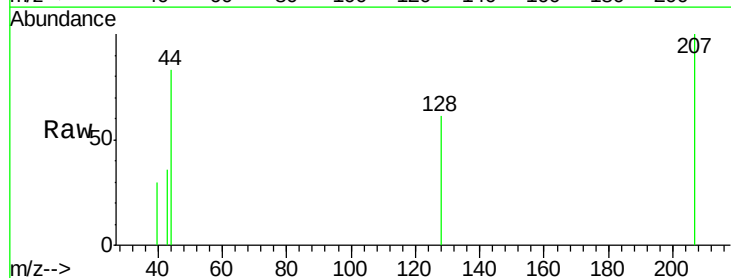
Tgt Ion: 128 Resp: 441

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VN065049.D (-4159) (-)

Ion 127.00 (126.70 to 127.70): VN065049.D (-4159) (-)

Ion 129.00 (128.70 to 129.70): VN065049.D (-4159) (-)

