

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
 Data File : VN065058.D
 Acq On : 10 Dec 2020 21:44
 Operator : JC/MD
 Sample : PB133501ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#06

Quant Time: Dec 11 03:48:10 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	7.63	168	158479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	322178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	102315	54.23	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	108.46%		
35) Dibromofluoromethane	7.55	113	95223	47.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.04%		
50) Toluene-d8	10.06	98	383055	49.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.64%		
62) 4-Bromofluorobenzene	12.38	95	141147	53.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.12%		

Target Compounds

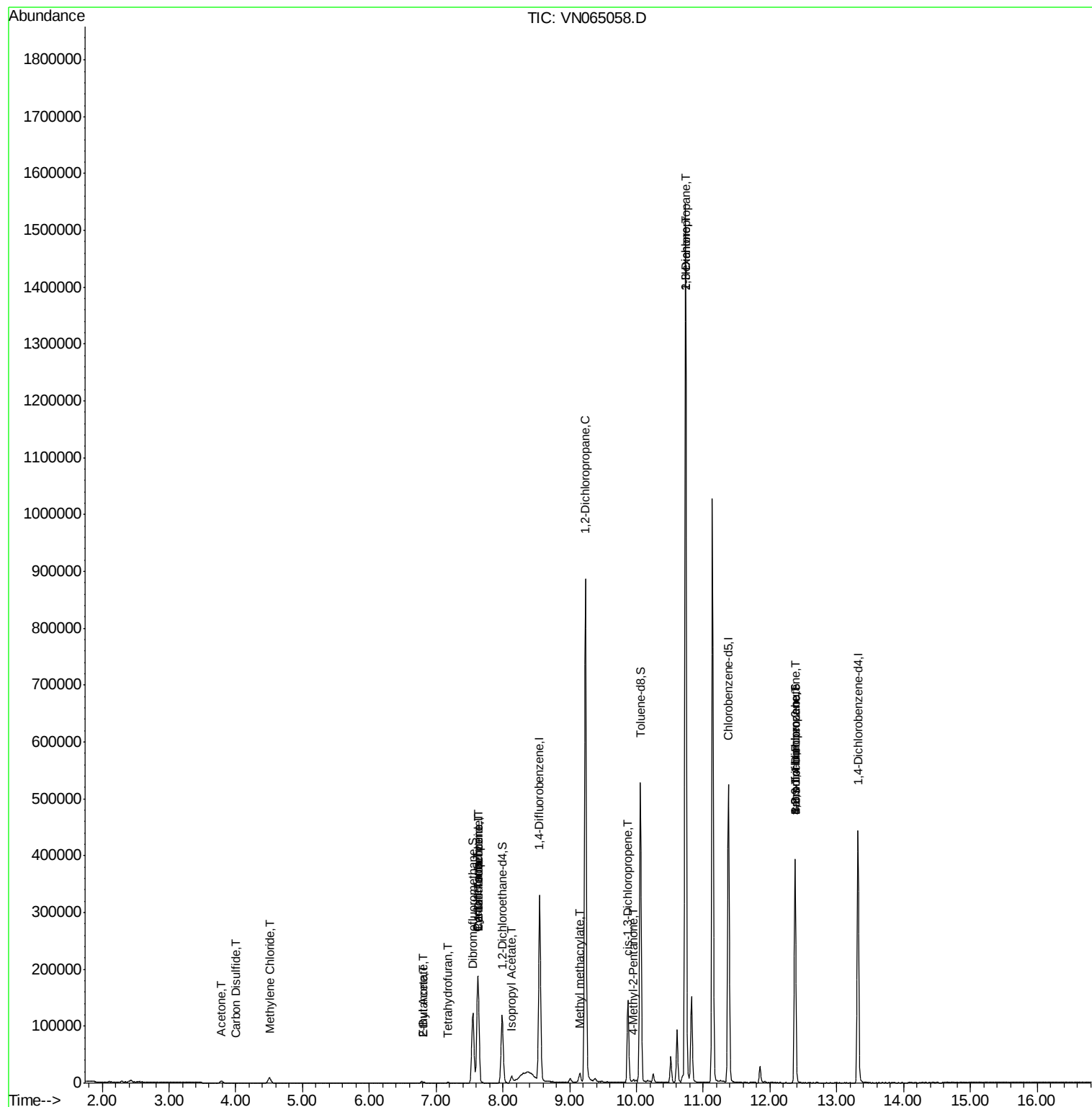
					Qvalue	
16) Acetone	3.78	43	5801	8.668	ug/l #	85
17) Carbon Disulfide	4.00	76	59	0.911	ug/l #	75
20) Methylene Chloride	4.51	84	7291	4.277	ug/l	96
25) 2-Butanone	6.80	43	2662	2.884	ug/l	93
29) Tetrahydrofuran	7.17	42	558	0.963	ug/l #	41
31) Cyclohexane	7.61	56	1434	2.012	ug/l #	20
36) 1,1-Dichloropropene	7.62	75	11449	4.431	ug/l #	49
37) Ethyl Acetate	6.80	43	2662	1.133	ug/l #	67
38) Carbon Tetrachloride	7.63	117	14942	5.443	ug/l #	18
43) Isopropyl Acetate	8.13	43	15523	3.975	ug/l	93
45) 1,2-Dichloropropane	9.23	63	1062	0.491	ug/l #	45
48) Methyl methacrylate	9.14	41	4039	2.179	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	4148	1.777	ug/l #	83
54) cis-1,3-Dichloropropene	9.87	75	26961	7.874	ug/l #	68
57) 1,3-Dichloropropane	10.74	76	15213	4.454	ug/l #	42
59) 2-Hexanone	10.74	43	209993	124.855	ug/l #	51
71) Bromoform	12.37	173	1073	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	67337	26.408	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67337	75.165	ug/l #	15

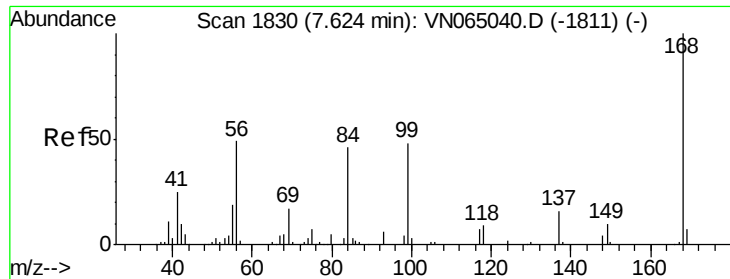
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
Data File : VN065058.D
Acq On : 10 Dec 2020 21:44
Operator : JC/MD
Sample : PB133501ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#06

Quant Time: Dec 11 03:48:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

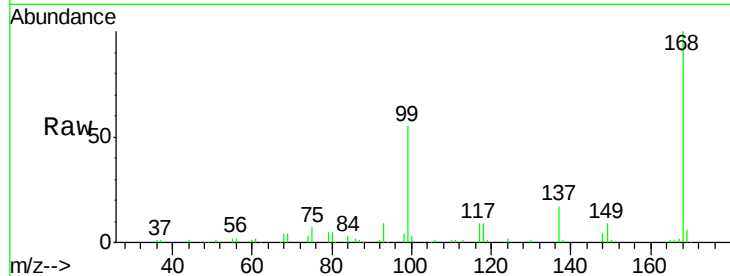
PB133501ZHE#06

Tgt Ion:168 Resp: 158479

Ion Ratio Lower Upper

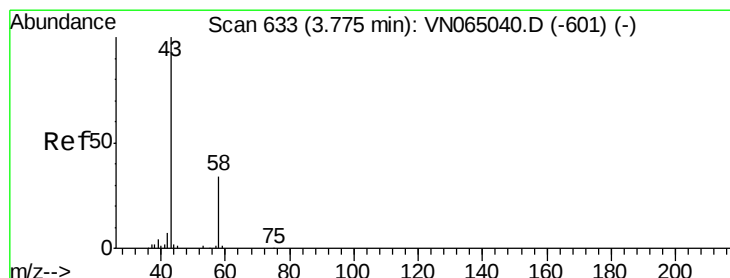
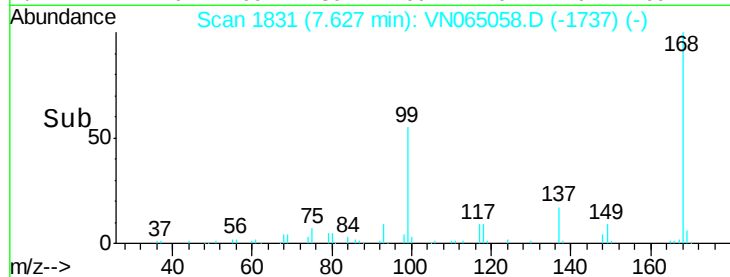
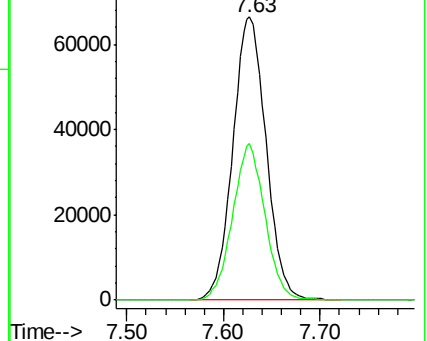
168 100

99 55.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 8.668 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN065058.D

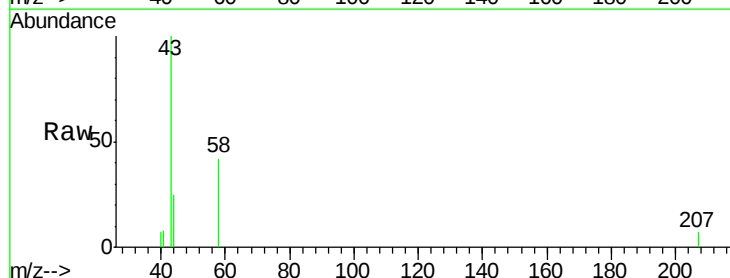
Acq: 10 Dec 2020 21:44

Tgt Ion: 43 Resp: 5801

Ion Ratio Lower Upper

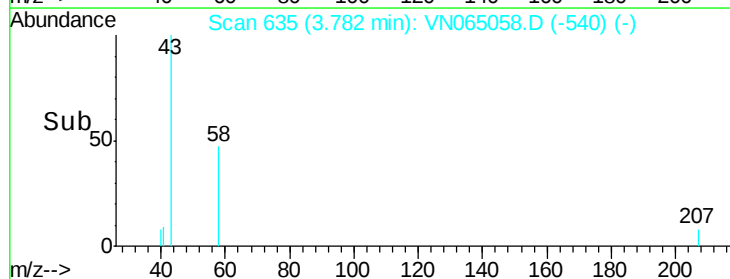
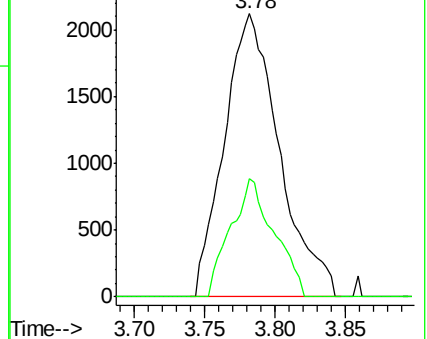
43 100

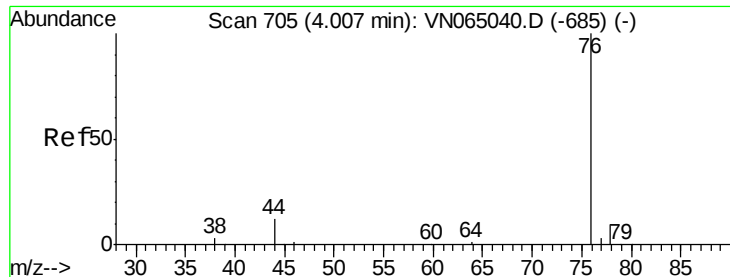
58 42.0 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

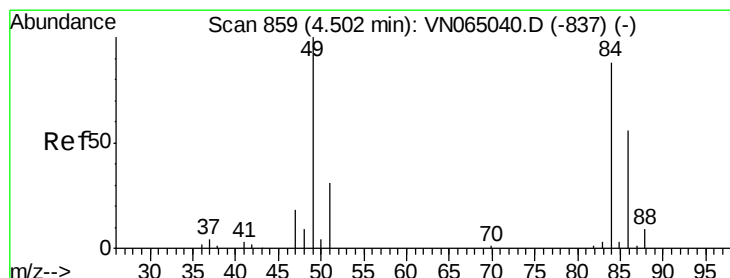
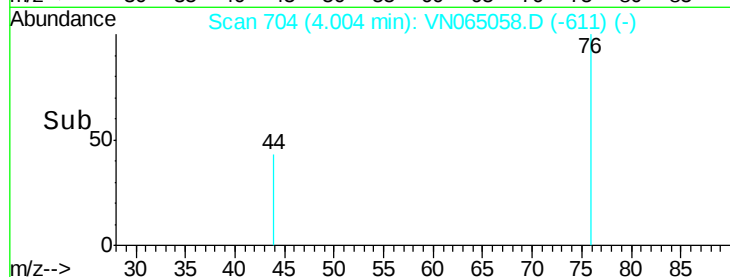
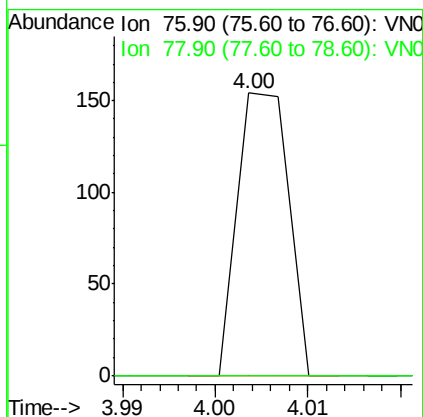
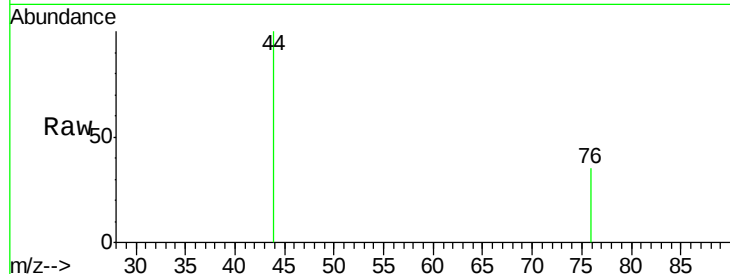




#17
Carbon Disulfide
Concen: 0.911 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

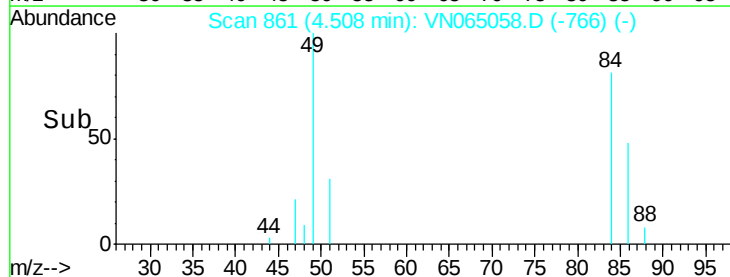
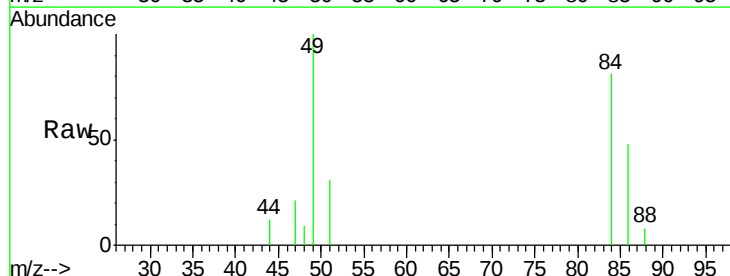
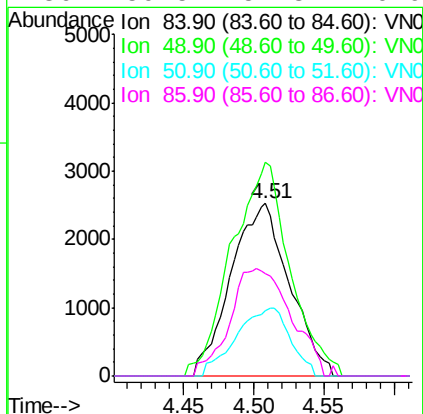
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#06

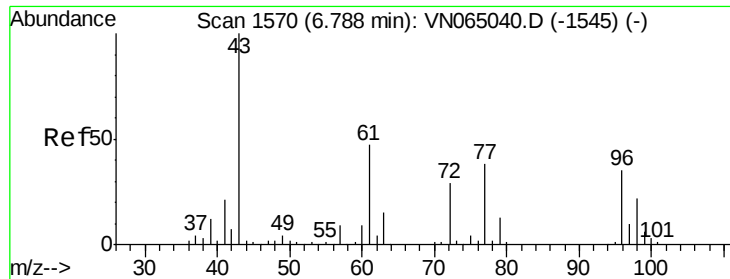
Tgt Ion: 76 Resp: 59
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#20
Methylene Chloride
Concen: 4.277 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

Tgt Ion: 84 Resp: 7291
Ion Ratio Lower Upper
84 100
49 117.2 90.8 136.2
51 38.1 28.1 42.1
86 59.5 51.3 76.9

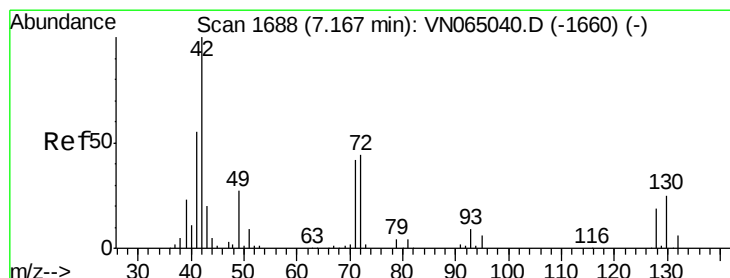
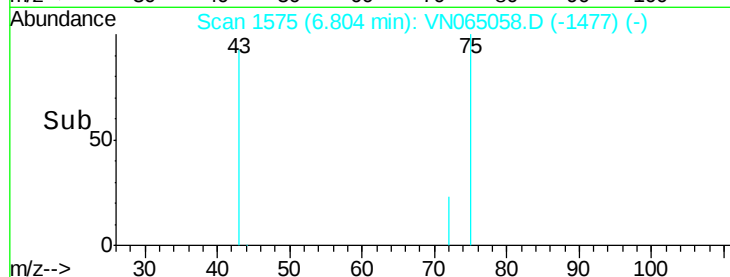
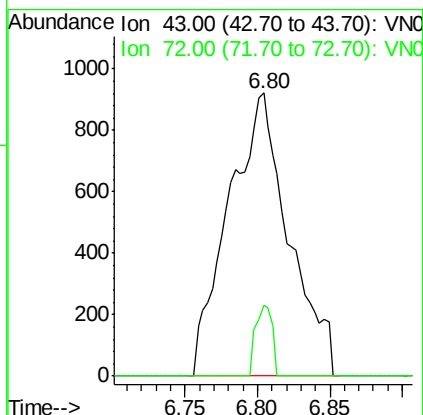
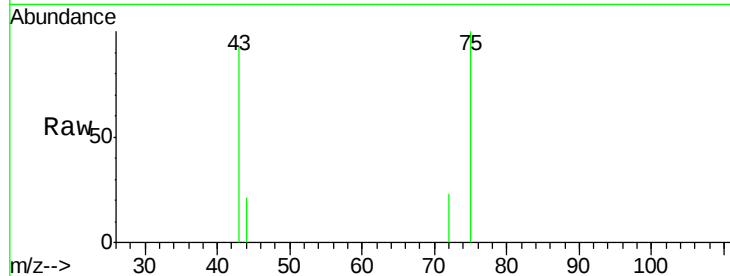




#25
2-Butanone
Concen: 2.884 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

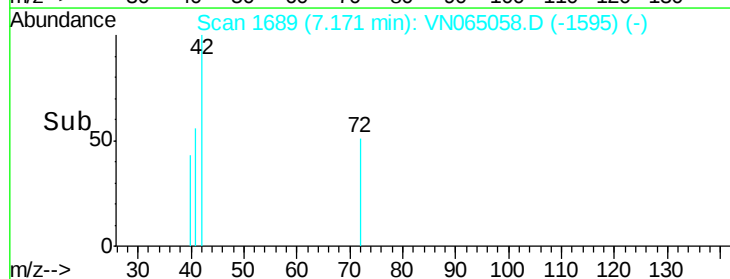
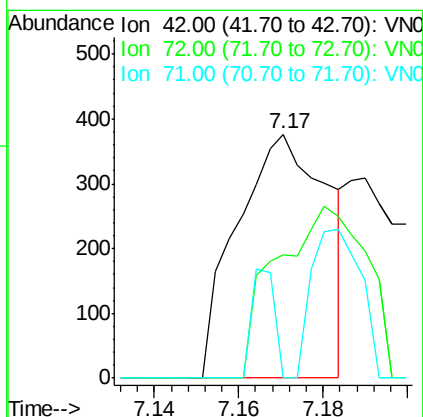
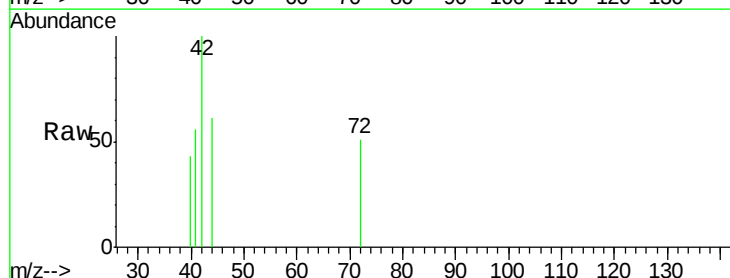
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#06

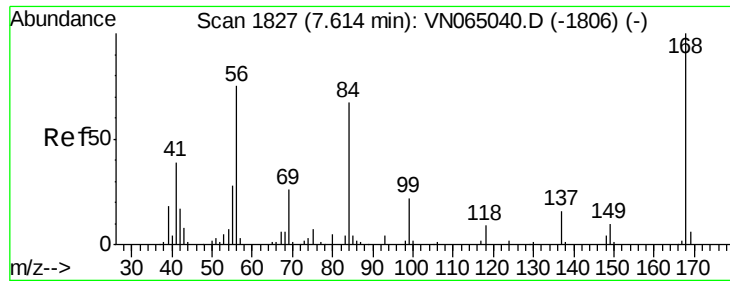
Tgt Ion: 43 Resp: 2662
Ion Ratio Lower Upper
43 100
72 25.1 22.9 34.3



#29
Tetrahydrofuran
Concen: 0.963 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

Tgt Ion: 42 Resp: 558
Ion Ratio Lower Upper
42 100
72 0.0 35.8 53.6#
71 11.5 33.5 50.3#

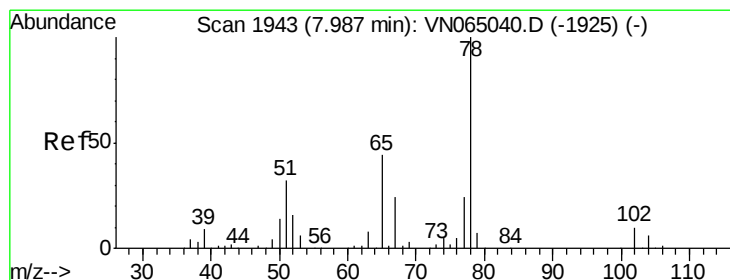
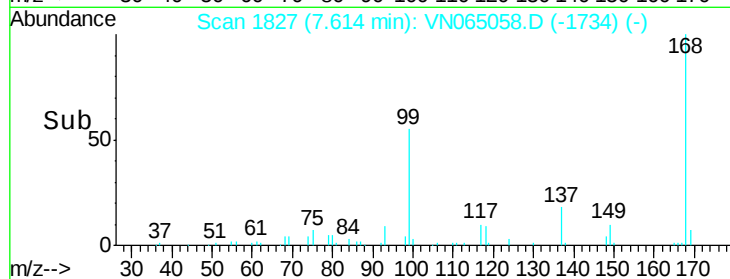
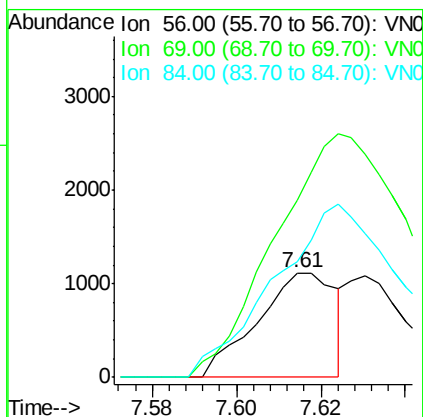
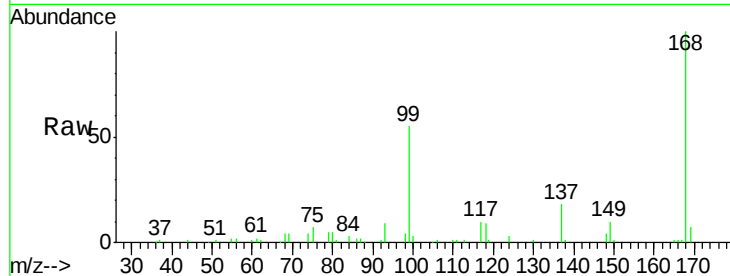




#31
Cyclohexane
Concen: 2.012 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

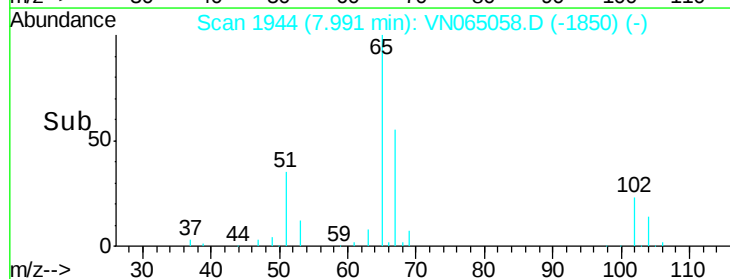
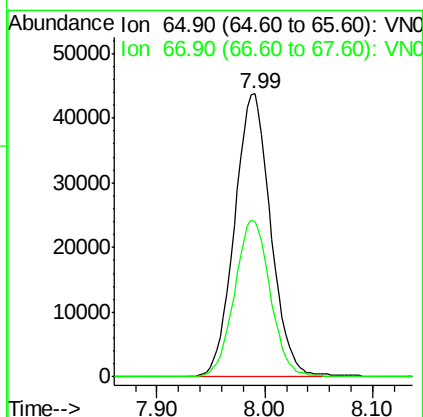
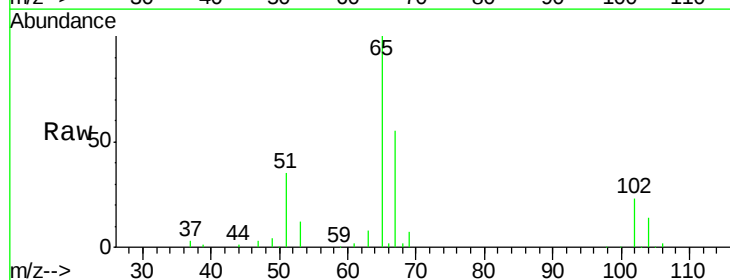
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#06

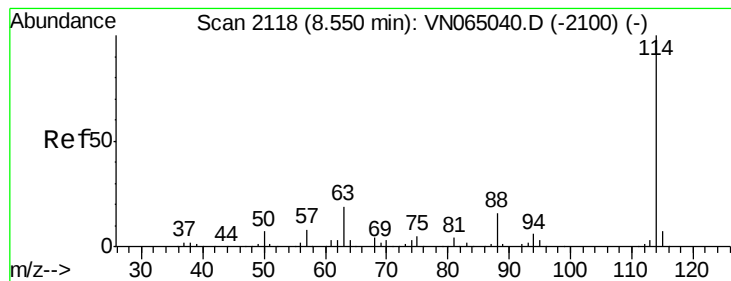
Tgt Ion: 56 Resp: 1434
Ion Ratio Lower Upper
56 100
69 169.7 27.5 41.3#
84 110.2 72.4 108.6#



#33
1,2-Dichloroethane-d4
Concen: 54.226 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

Tgt Ion: 65 Resp: 102315
Ion Ratio Lower Upper
65 100
67 54.6 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#06

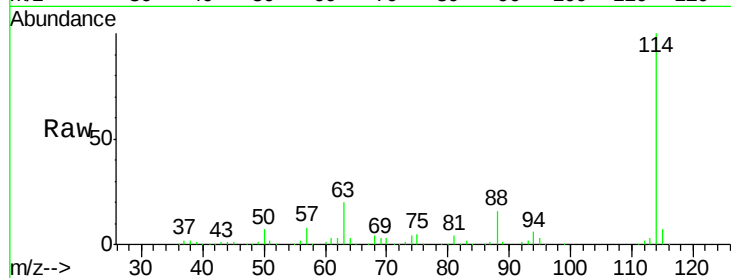
Tgt Ion:114 Resp: 302918

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.2

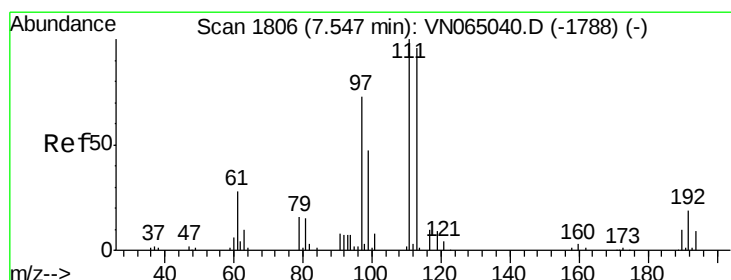
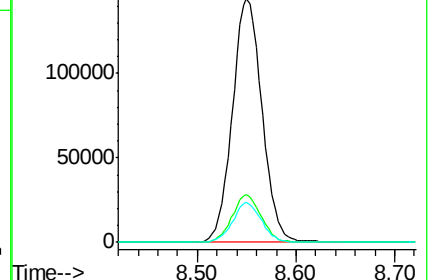
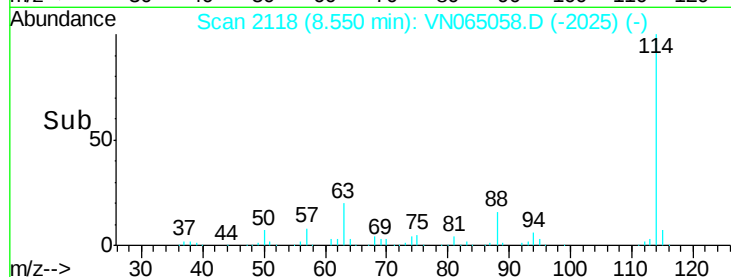
88 16.3 0.0 31.6



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: 47.516 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

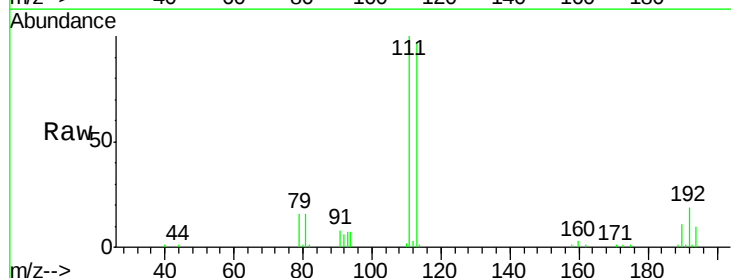
Tgt Ion:113 Resp: 95223

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.0

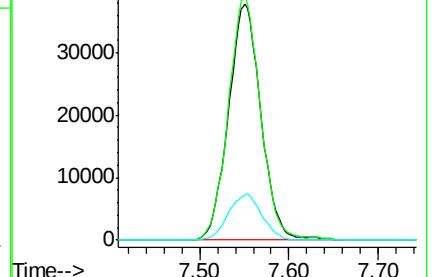
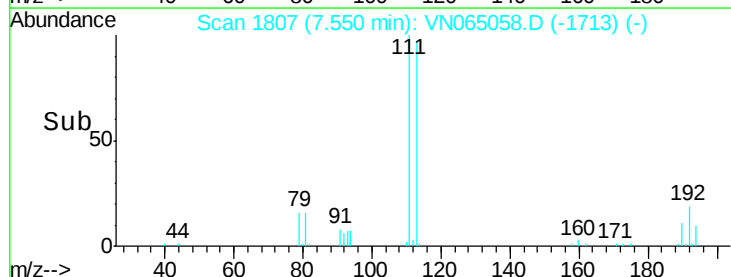
192 19.9 16.2 24.2

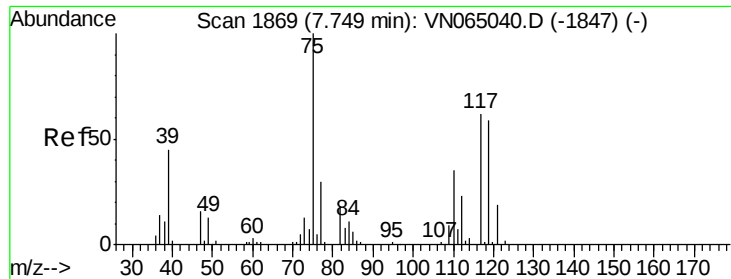


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

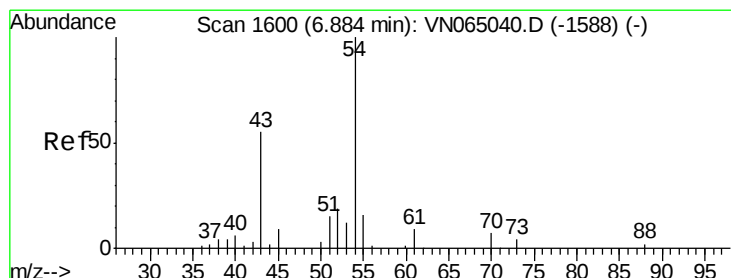
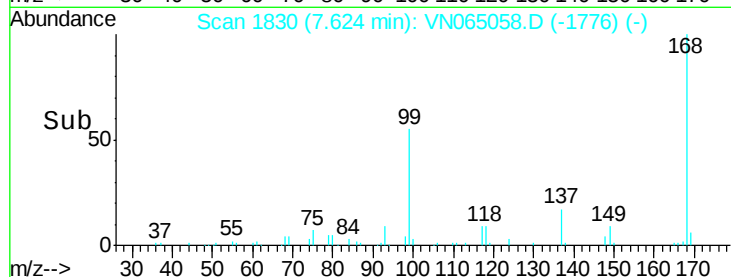
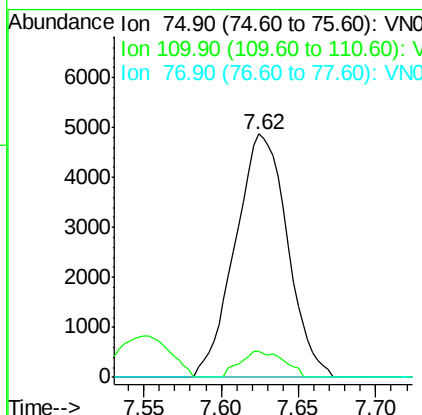
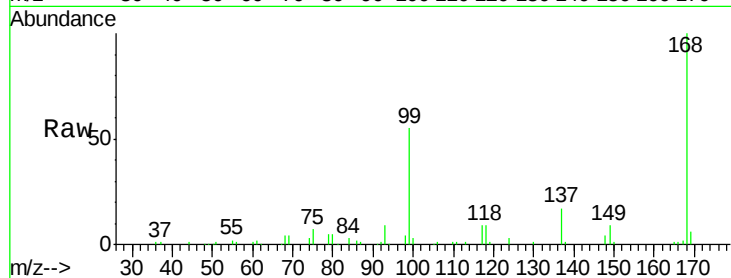




#36
 1,1-Dichloropropene
 Concen: 4.431 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN065058.D
 Acq: 10 Dec 2020 21:44

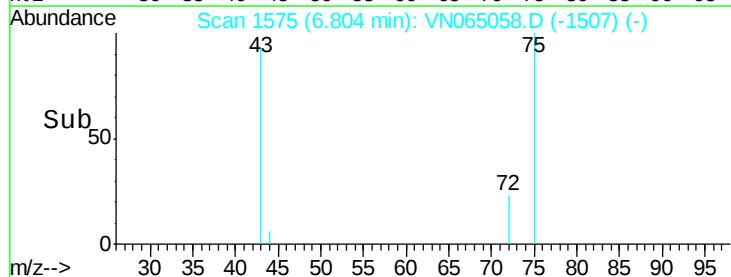
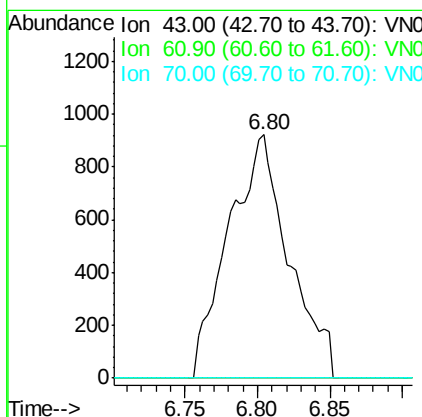
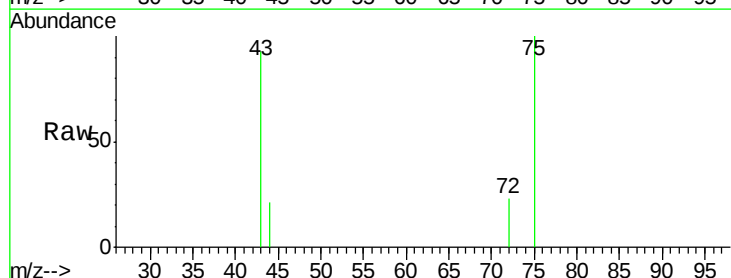
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#06

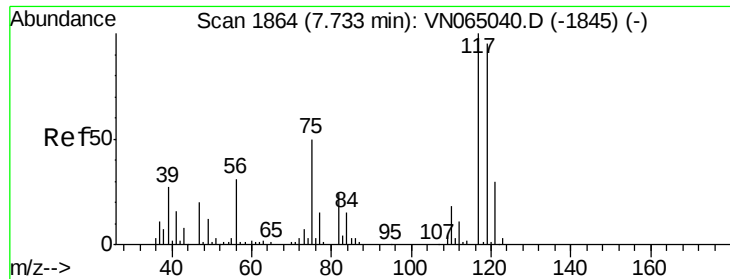
Tgt Ion: 75 Resp: 11449
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 1.133 ug/l
 RT: 6.80 min Scan# 1575
 Delta R.T. -0.08 min
 Lab File: VN065058.D
 Acq: 10 Dec 2020 21:44

Tgt Ion: 43 Resp: 2662
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.443 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#06

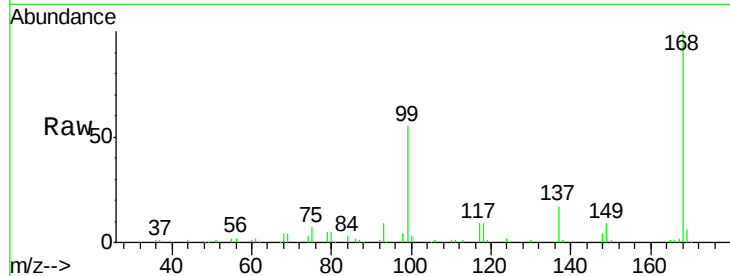
Tgt Ion:117 Resp: 14942

Ion Ratio Lower Upper

117 100

119 6.6 75.9 113.9#

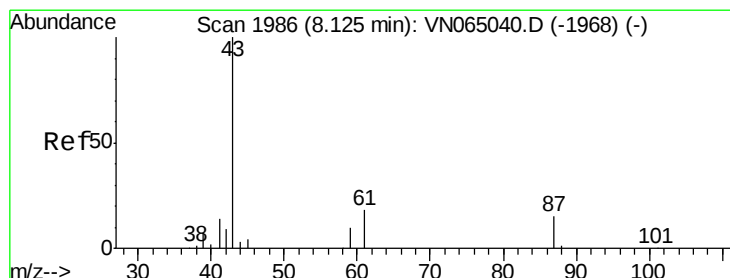
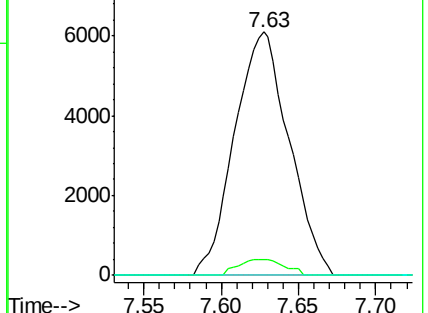
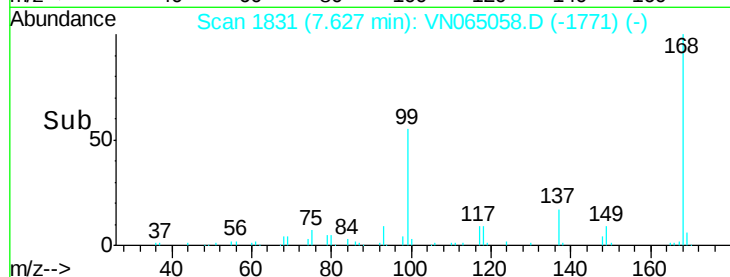
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.975 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

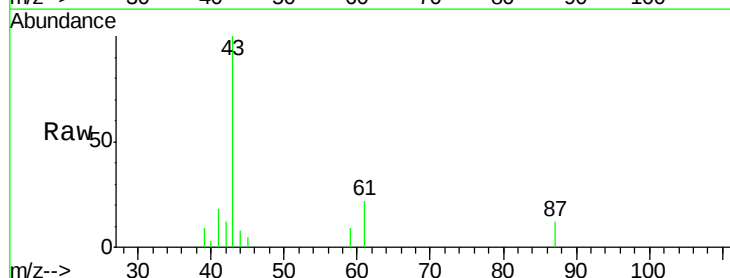
Tgt Ion: 43 Resp: 15523

Ion Ratio Lower Upper

43 100

61 17.4 16.9 25.3

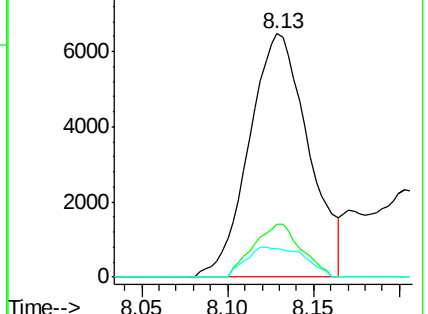
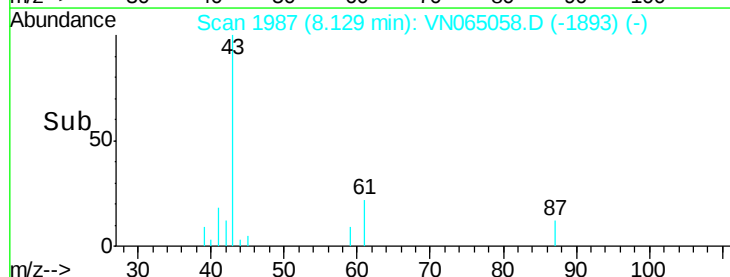
87 12.0 11.4 17.2

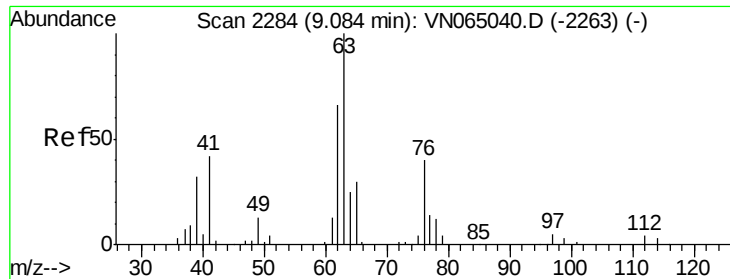


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.491 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

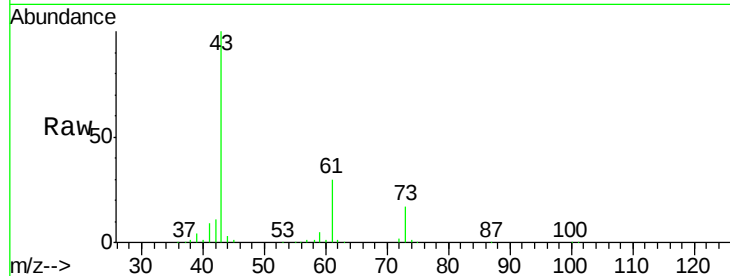
PB133501ZHE#06

Tgt Ion: 63 Resp: 1062

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.23

800

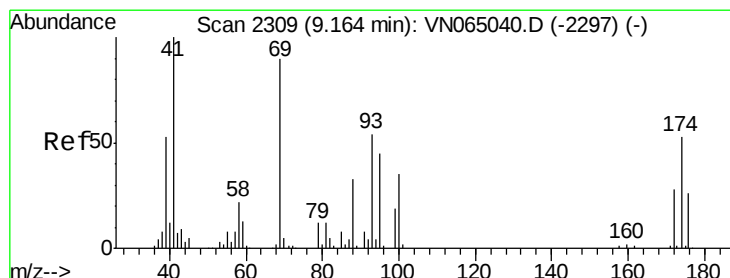
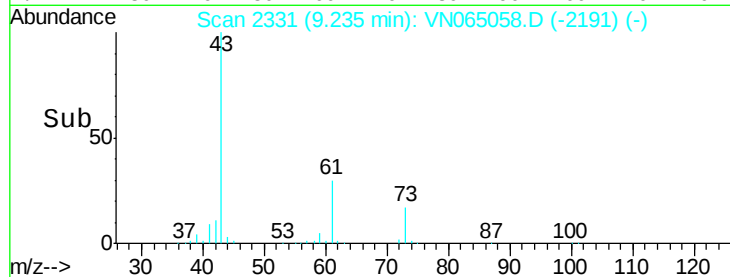
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 2.179 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

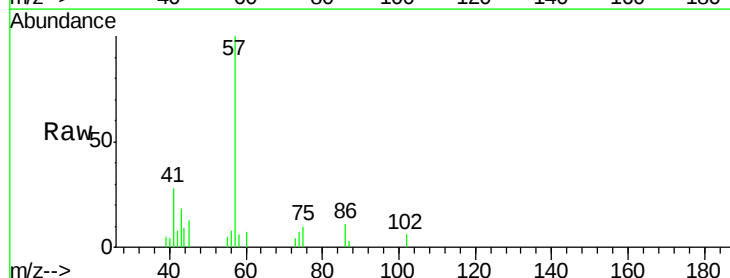
Tgt Ion: 41 Resp: 4039

Ion Ratio Lower Upper

41 100

69 0.0 72.1 108.1#

39 0.0 43.8 65.6#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

50000

40000

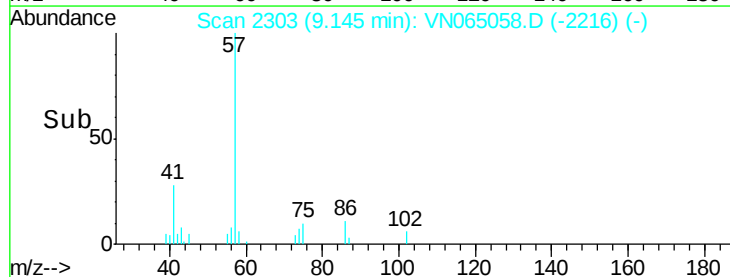
30000

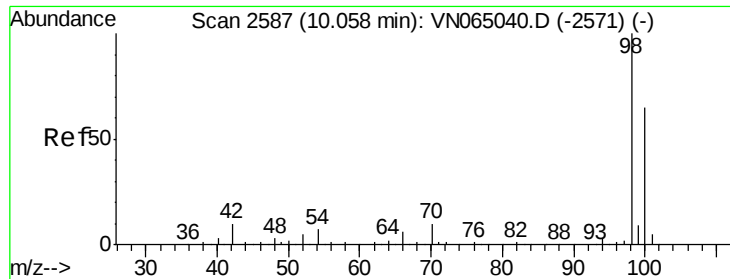
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 49.823 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

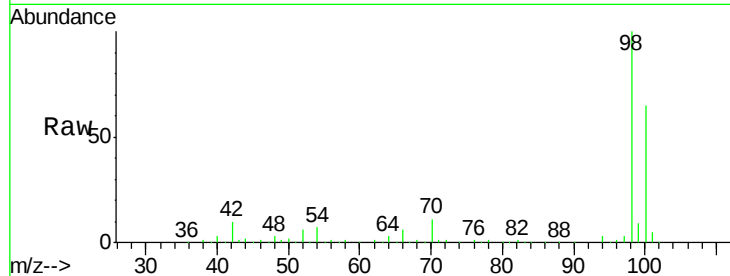
PB133501ZHE#06

Tgt Ion: 98 Resp: 383055

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065040.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN065040.D (-2571) (-)

10.06

200000

150000

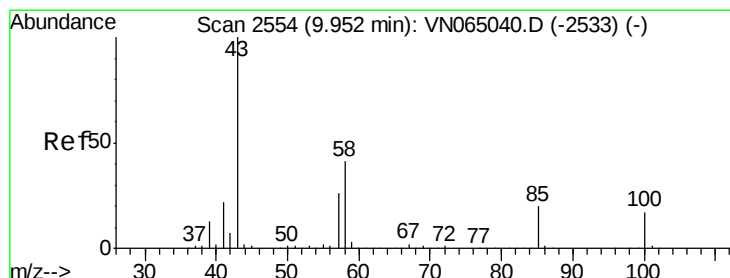
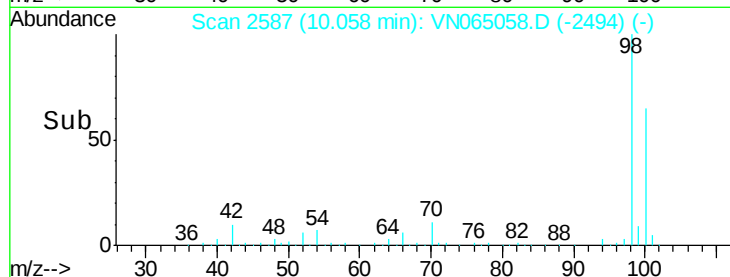
100000

50000

0

10.00 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.777 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065058.D

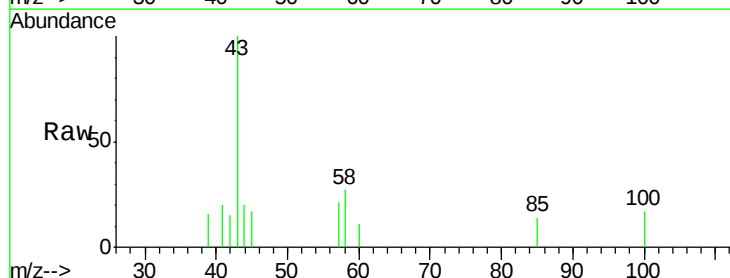
Acq: 10 Dec 2020 21:44

Tgt Ion: 43 Resp: 4148

Ion Ratio Lower Upper

43 100

58 29.7 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN065040.D (-2533) (-)

9.95

4000

3000

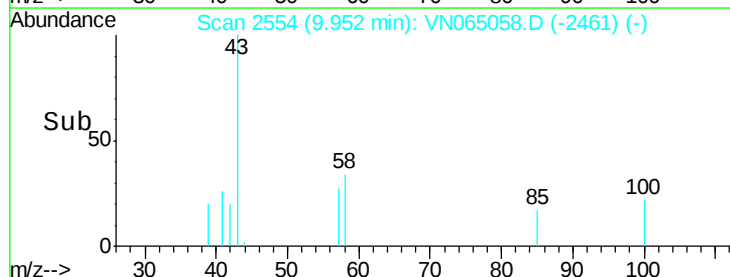
2000

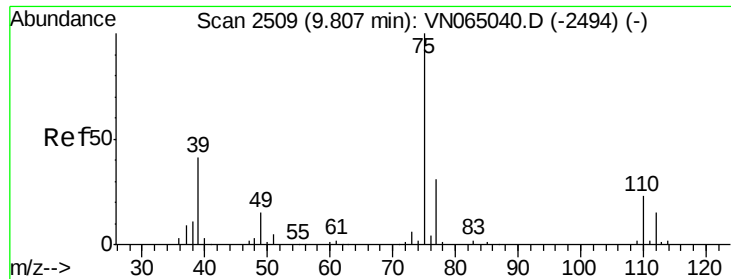
1000

0

9.90 9.95

Time-->

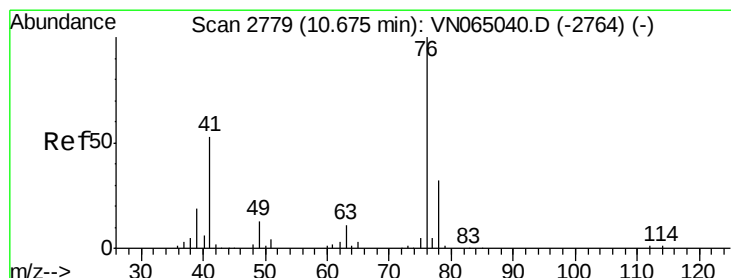
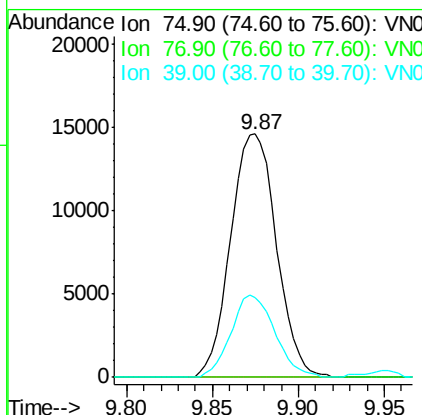
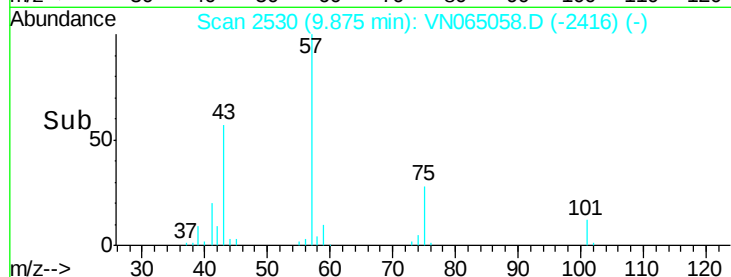
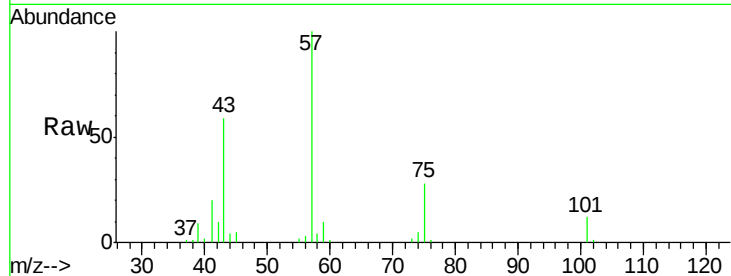




#54
 cis-1,3-Dichloropropene
 Concen: 7.874 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN065058.D
 Acq: 10 Dec 2020 21:44

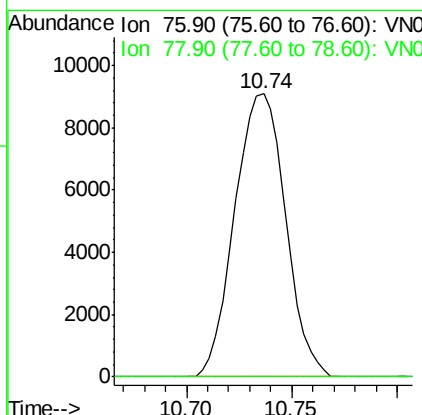
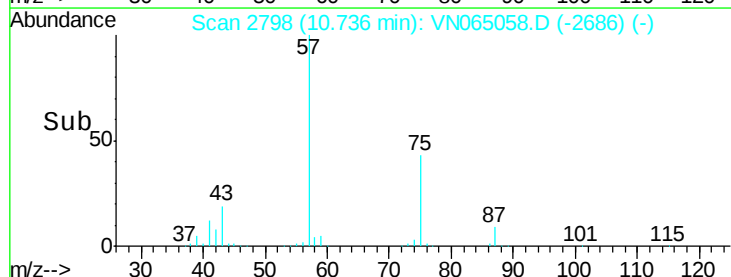
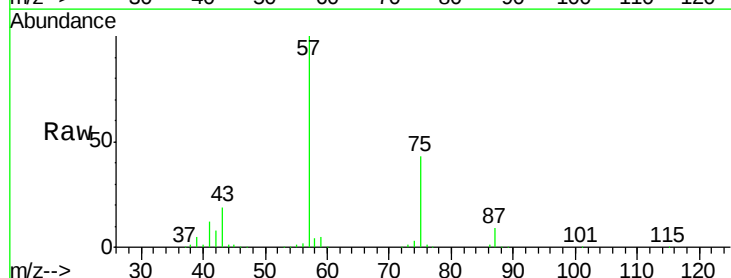
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#06

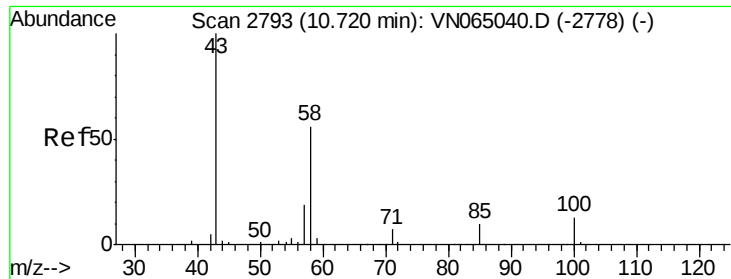
Tgt Ion: 75 Resp: 26961
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 33.0 33.0 49.4



#57
 1,3-Dichloropropane
 Concen: 4.454 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN065058.D
 Acq: 10 Dec 2020 21:44

Tgt Ion: 76 Resp: 15213
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#

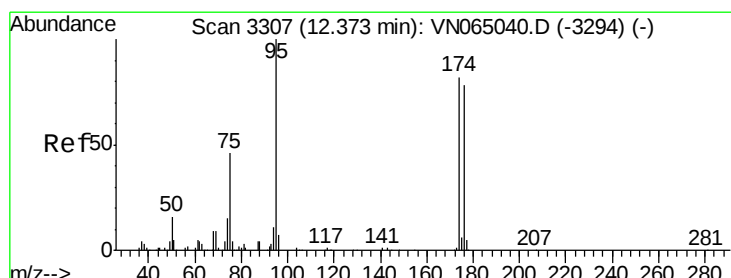
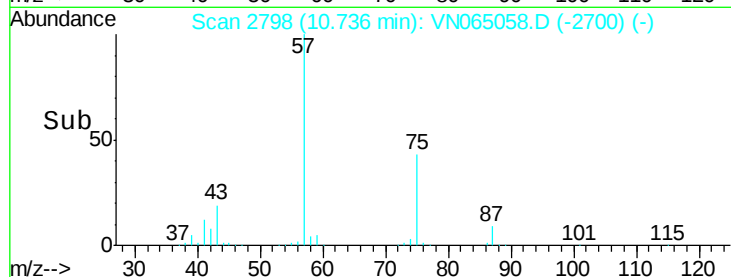
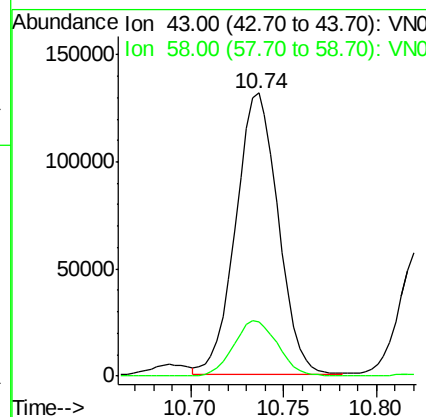
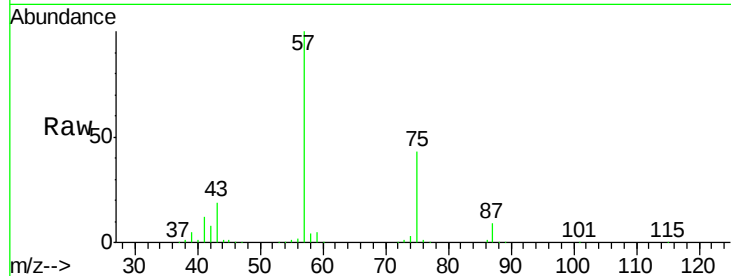




#59
2-Hexanone
Concen: 124.855 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

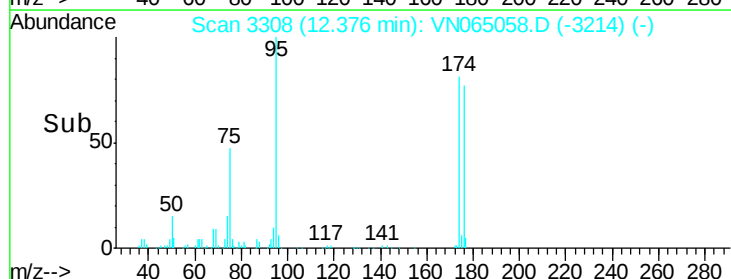
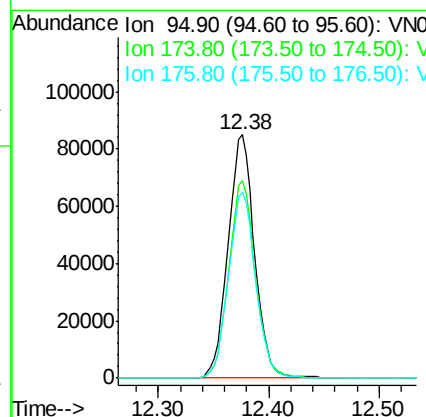
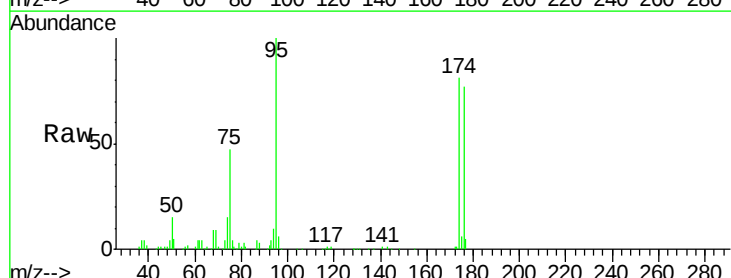
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#06

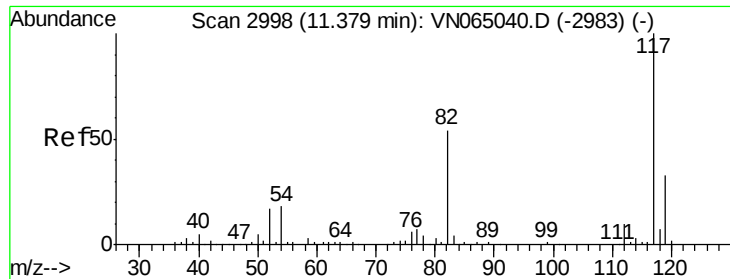
Tgt Ion: 43 Resp: 209993
Ion Ratio Lower Upper
43 100
58 20.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.563 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

Tgt Ion: 95 Resp: 141147
Ion Ratio Lower Upper
95 100
174 81.9 0.0 164.8
176 78.5 0.0 158.8

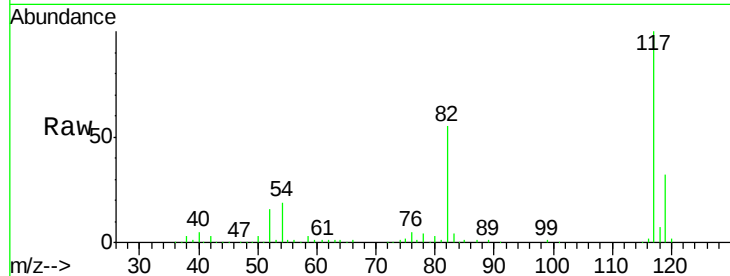




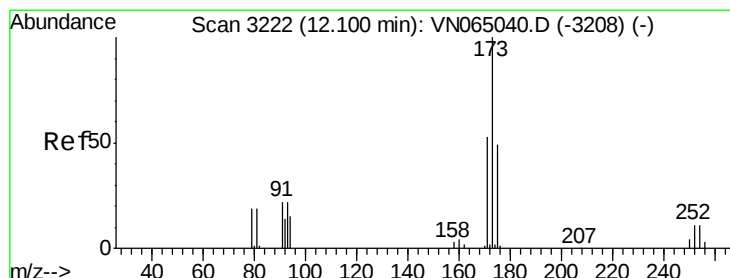
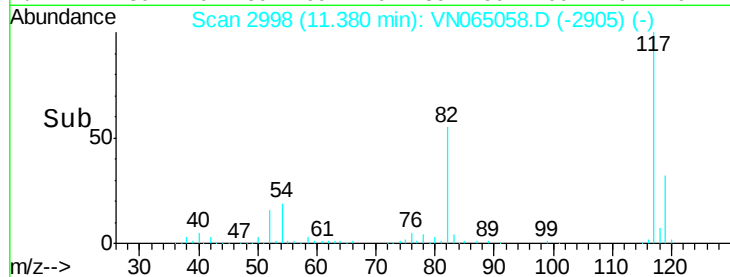
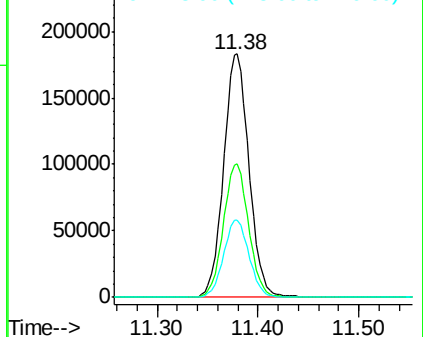
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#06

Tgt Ion:117 Resp: 322178
Ion Ratio Lower Upper
117 100
82 55.0 43.5 65.3
119 31.6 26.4 39.6

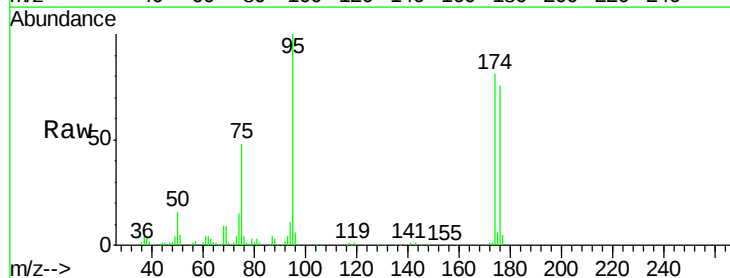


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

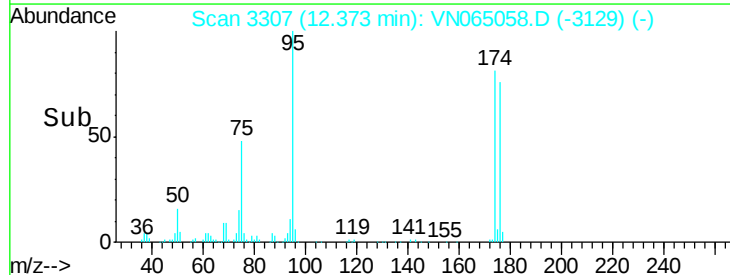
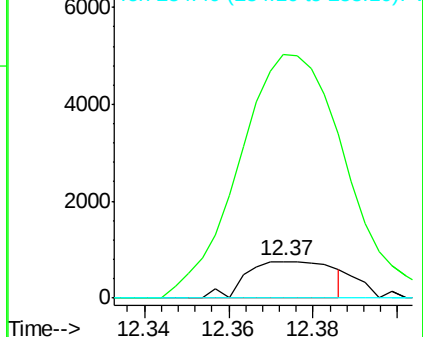


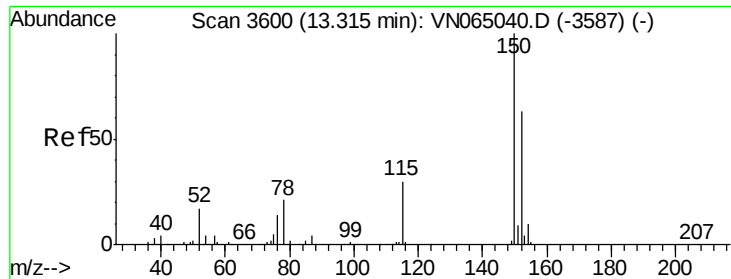
#71
Bromoform
Concen: 0.557 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN065058.D
Acq: 10 Dec 2020 21:44

Tgt Ion:173 Resp: 1073
Ion Ratio Lower Upper
173 100
175 705.2 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: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#06

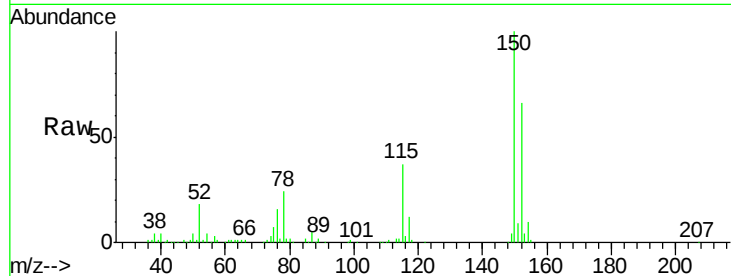
Tgt Ion:152 Resp: 130902

Ion Ratio Lower Upper

152 100

115 57.0 29.3 88.0

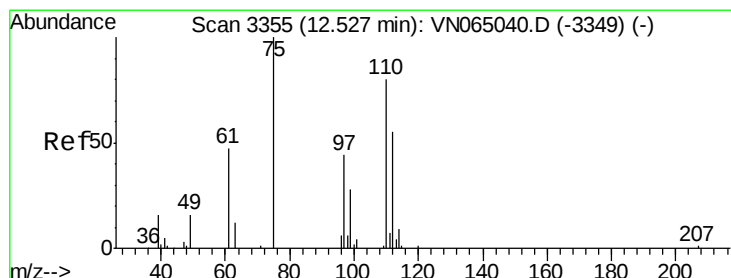
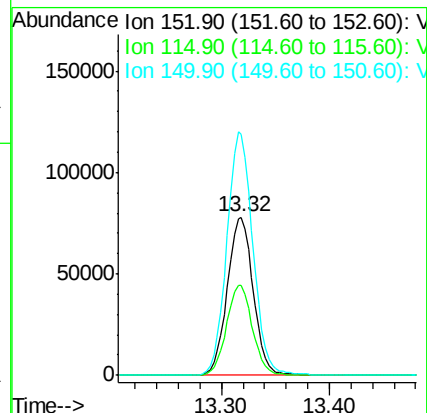
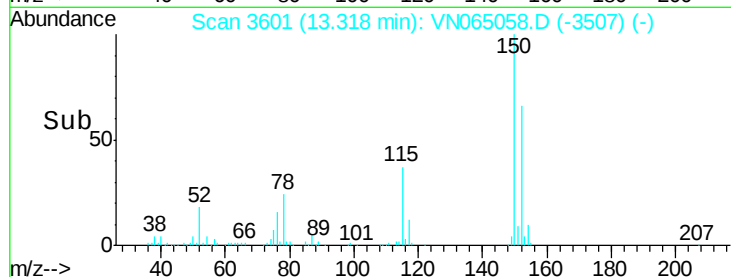
150 153.7 0.0 345.8



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: 26.408 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065058.D

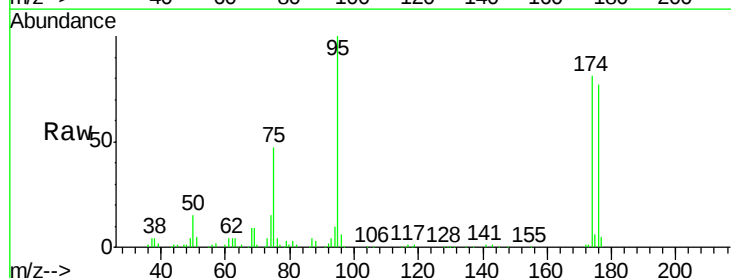
Acq: 10 Dec 2020 21:44

Tgt Ion: 75 Resp: 67337

Ion Ratio Lower Upper

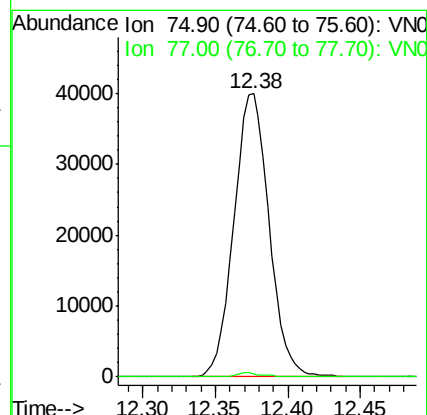
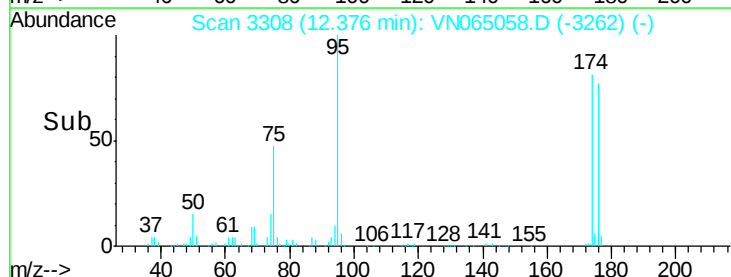
75 100

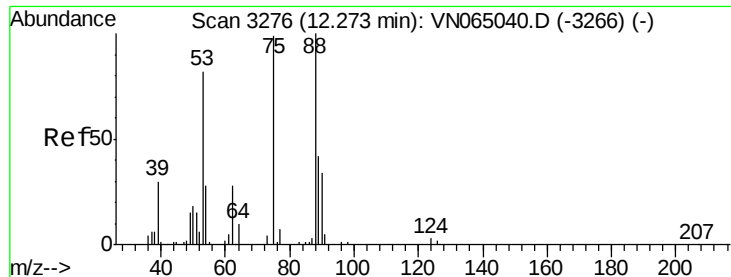
77 1.0 0.0 0.0#



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: 75.165 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065058.D

Acq: 10 Dec 2020 21:44

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#06

Tgt Ion: 75 Resp: 67337

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.2 54.4#

