

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
 Data File : VN065064.D
 Acq On : 11 Dec 2020 3:00
 Operator : JC/MD
 Sample : PB133501ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

Quant Time: Dec 11 03:49:37 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	164133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	311868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	334182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109644	56.11	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	112.22%		
35) Dibromofluoromethane	7.55	113	98477	47.73	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.46%		
50) Toluene-d8	10.06	98	401842	50.77	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.54%		
62) 4-Bromofluorobenzene	12.38	95	143721	52.97	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.94%		

Target Compounds

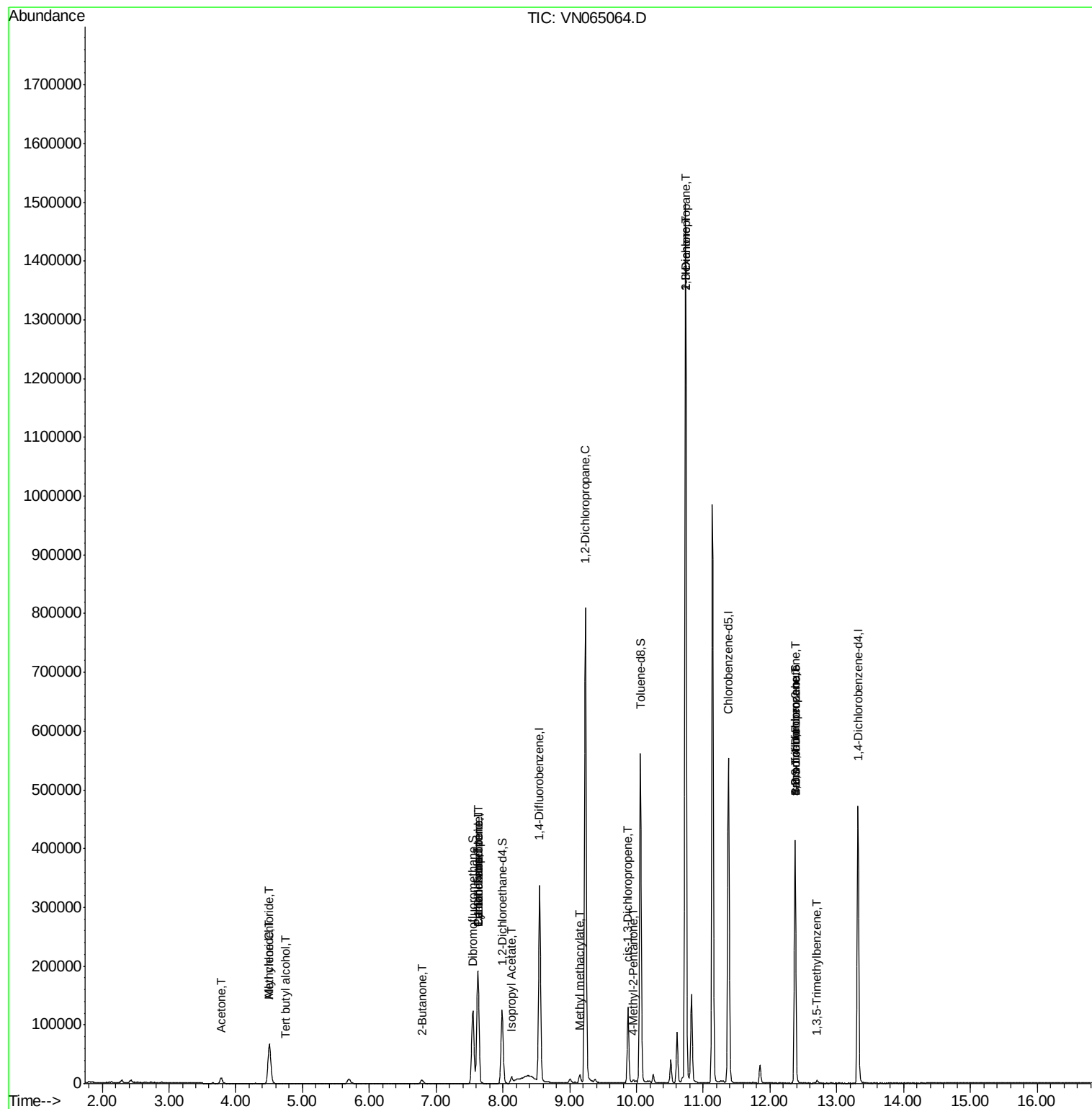
					Qvalue	
11) Tert butyl alcohol	4.74	59	290	1.225	ug/l #	72
14) Allyl chloride	4.50	41	1952	0.851	ug/l #	27
16) Acetone	3.78	43	16389	23.645	ug/l	89
20) Methylene Chloride	4.50	84	52821	29.915	ug/l	98
25) 2-Butanone	6.79	43	1773	1.855	ug/l #	46
31) Cyclohexane	7.62	56	2975	2.674	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11793	4.434	ug/l #	47
38) Carbon Tetrachloride	7.63	117	14763	5.224	ug/l #	18
43) Isopropyl Acetate	8.13	43	14270	3.549	ug/l #	94
45) 1,2-Dichloropropane	9.23	63	982	0.441	ug/l #	45
48) Methyl methacrylate	9.15	41	3756	1.968	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	3620	1.506	ug/l	90
54) cis-1,3-Dichloropropene	9.87	75	23243	6.593	ug/l #	68
57) 1,3-Dichloropropane	10.74	76	15468	4.398	ug/l #	42
59) 2-Hexanone	10.74	43	200785	115.954	ug/l #	50
71) Bromoform	12.37	173	1011	0.506	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	69509	26.168	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3144	0.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69509	74.481	ug/l #	15

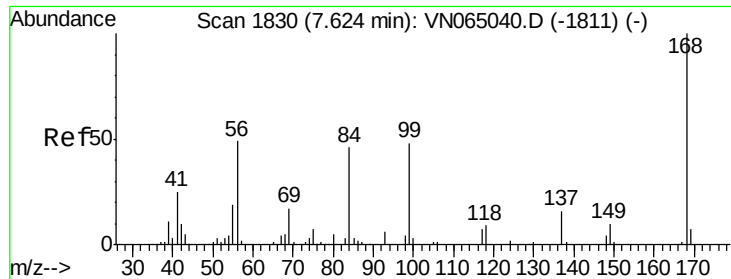
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

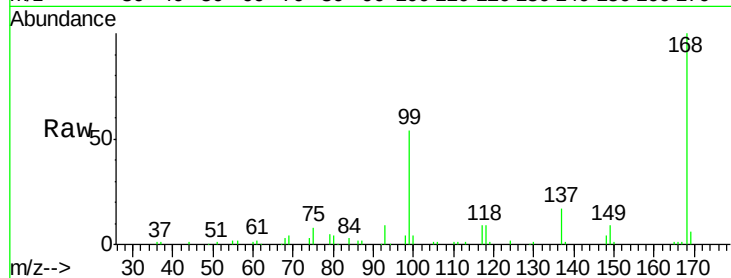
PB133501ZHE#12

Tgt Ion:168 Resp: 164133

Ion Ratio Lower Upper

168 100

99 54.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN065064.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN065064.D (-1737) (-)

7.63

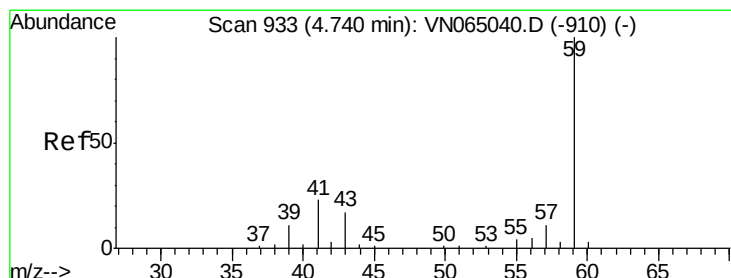
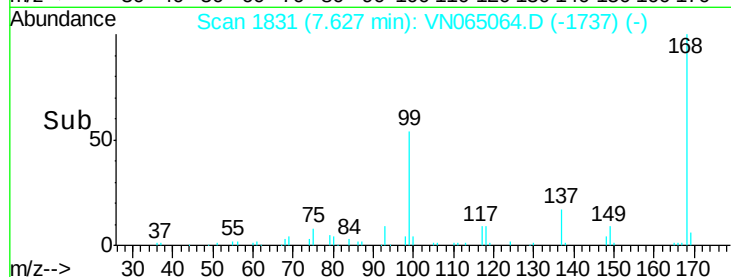
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.225 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN065064.D

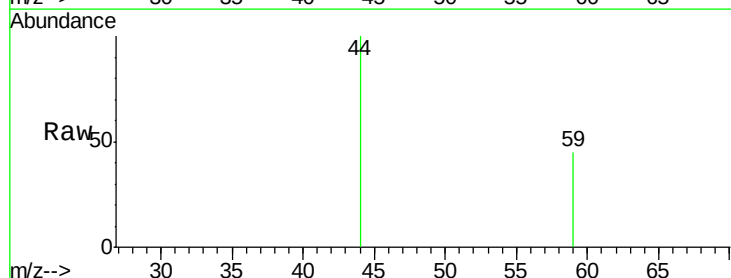
Acq: 11 Dec 2020 3:00

Tgt Ion: 59 Resp: 290

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN065064.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN065064.D (-840) (-)

4.74

200

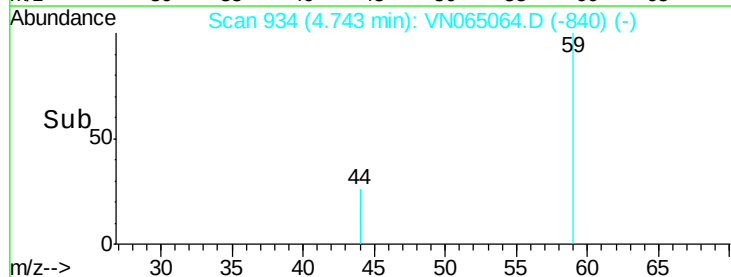
150

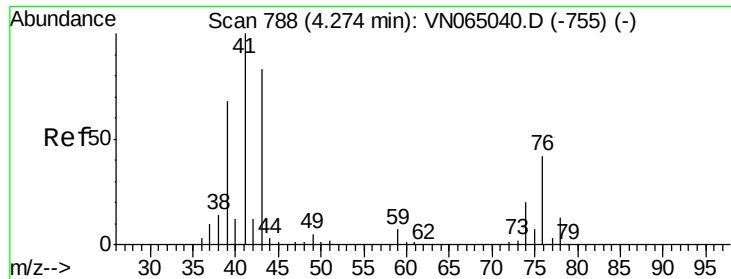
100

50

0

Time--> 4.72 4.74 4.76 4.78

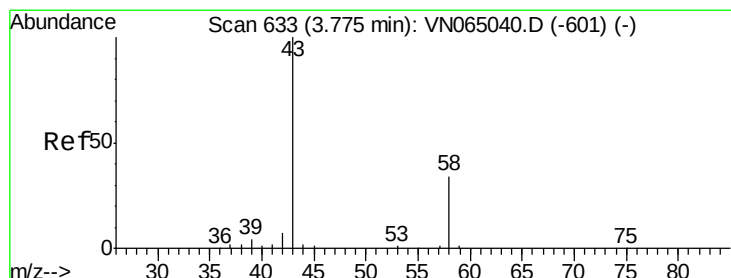
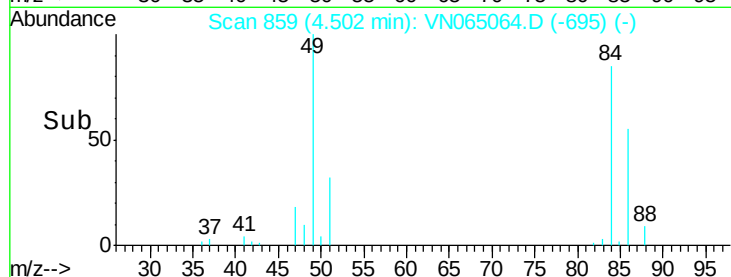
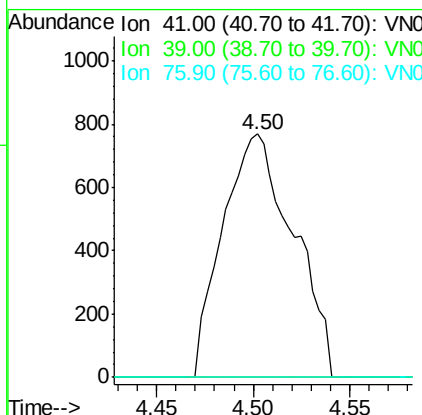
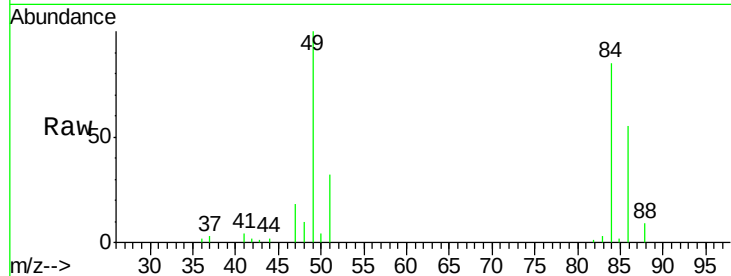




#14
 Allyl chloride
 Concen: 0.851 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. 0.23 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

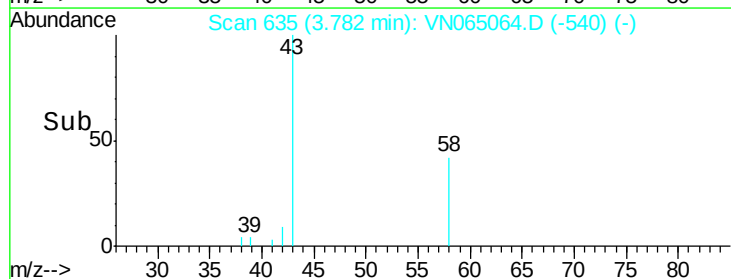
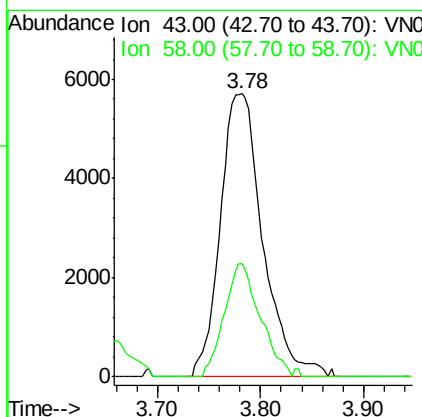
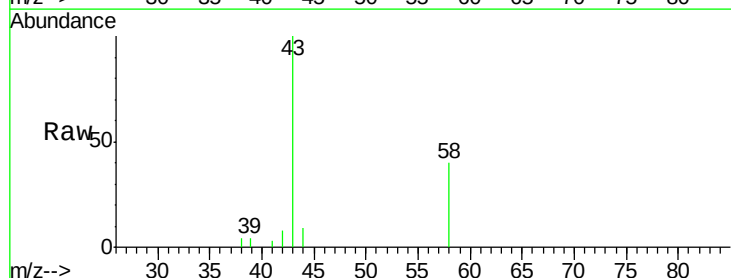
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

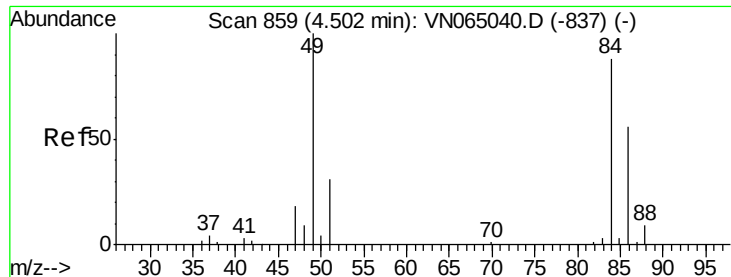
Tgt Ion: 41 Resp: 1952
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.0 73.6#
 76 0.0 29.6 44.4#



#16
 Acetone
 Concen: 23.645 ug/l
 RT: 3.78 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Tgt Ion: 43 Resp: 16389
 Ion Ratio Lower Upper
 43 100
 58 39.9 26.8 40.2

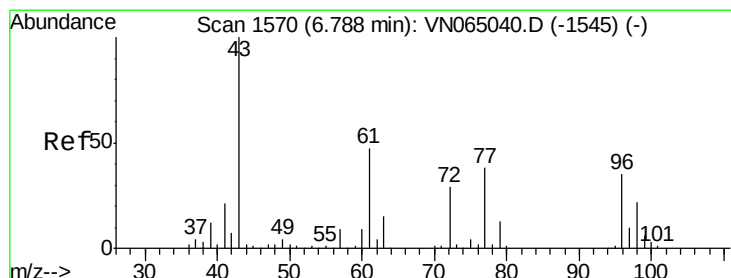
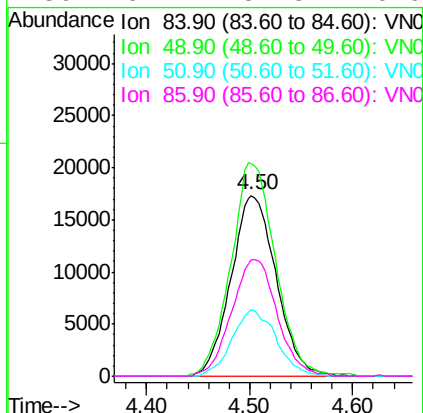
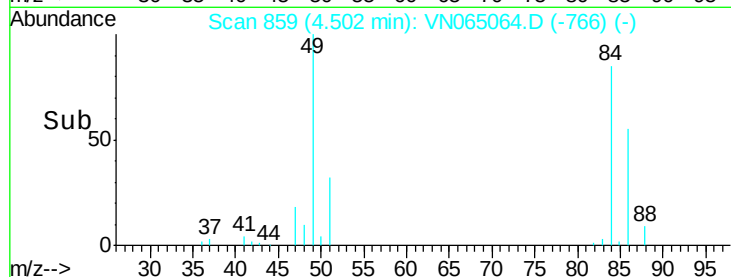
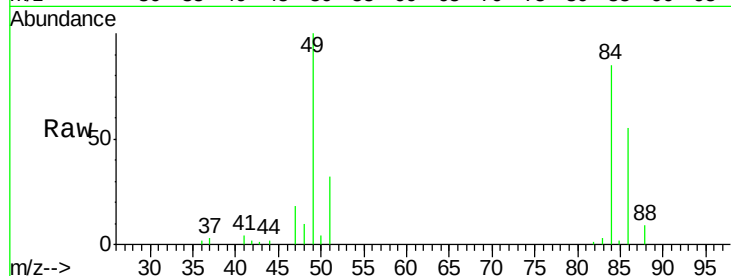




#20
Methylene Chloride
Concen: 29.915 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065064.D
Acq: 11 Dec 2020 3:00

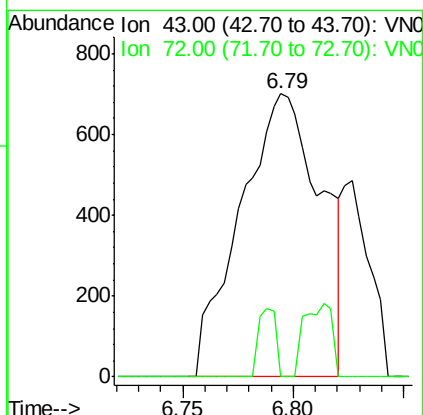
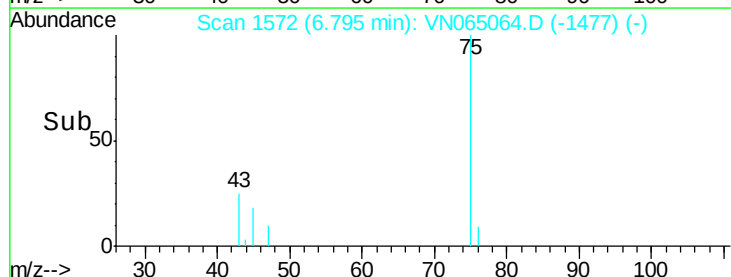
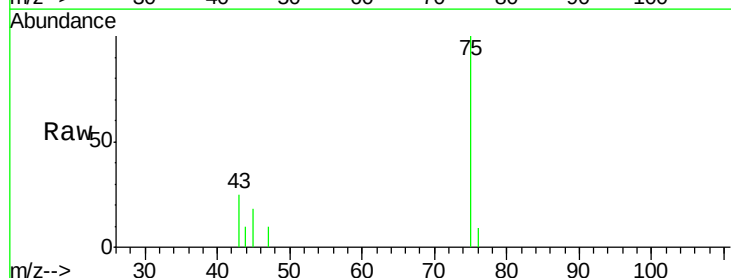
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#12

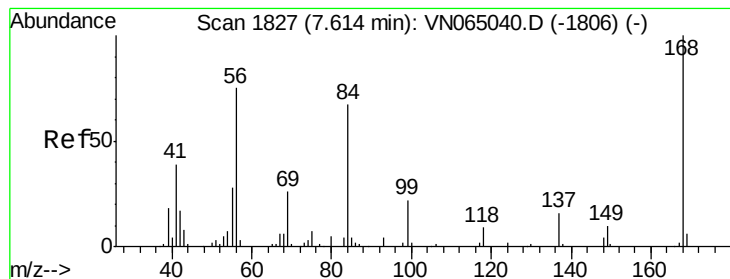
Tgt Ion:	84	Resp:	52821
Ion	Ratio	Lower	Upper
84	100		
49	116.8	90.8	136.2
51	37.2	28.1	42.1
86	64.4	51.3	76.9



#25
2-Butanone
Concen: 1.855 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN065064.D
Acq: 11 Dec 2020 3:00

Tgt Ion:	43	Resp:	1773
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.9	34.3#





#31

Cyclohexane

Concen: 2.674 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#12

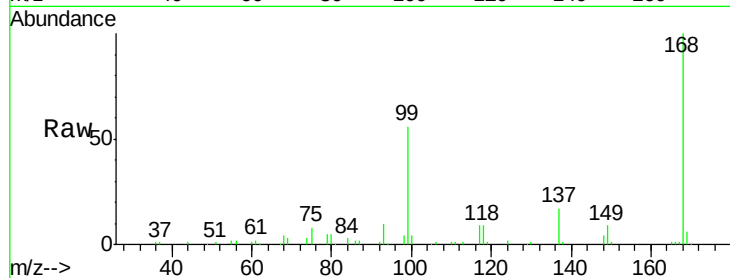
Tgt Ion: 56 Resp: 2975

Ion Ratio Lower Upper

56 100

69 166.2 27.5 41.3#

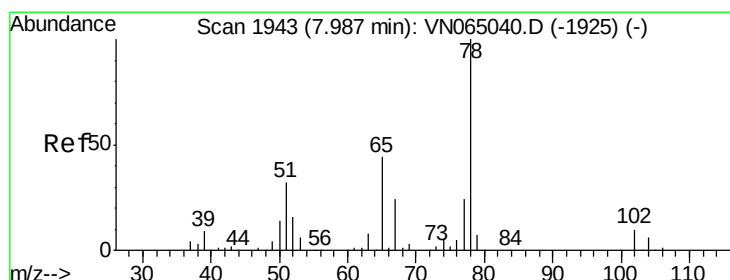
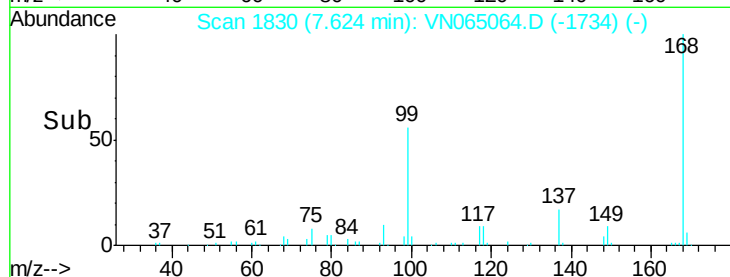
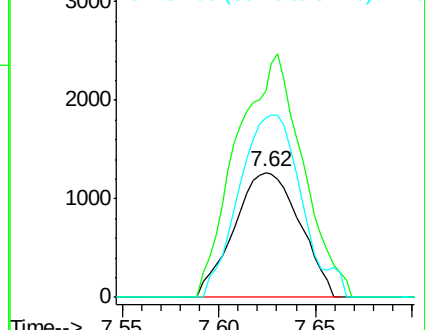
84 144.5 72.4 108.6#



Abundance Ion 56.00 (55.70 to 56.70): VN065064.D (-1830) (-)

Ion 69.00 (68.70 to 69.70): VN065064.D (-1830) (-)

Ion 84.00 (83.70 to 84.70): VN065064.D (-1830) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.109 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065064.D

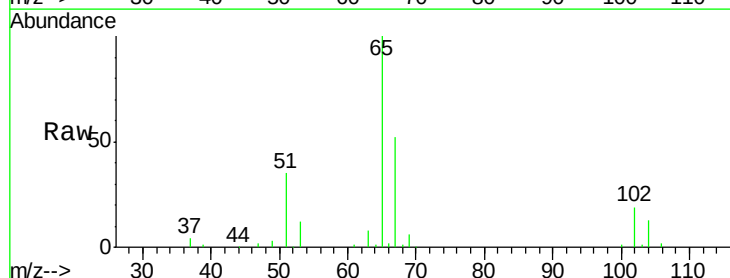
Acq: 11 Dec 2020 3:00

Tgt Ion: 65 Resp: 109644

Ion Ratio Lower Upper

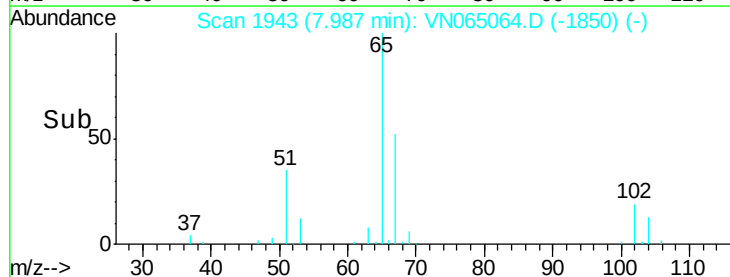
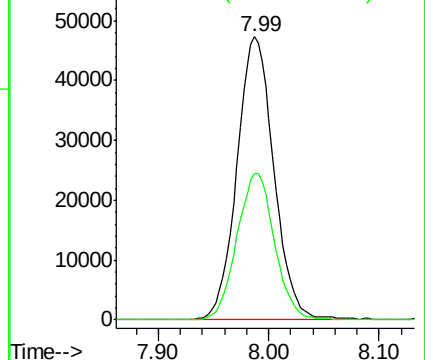
65 100

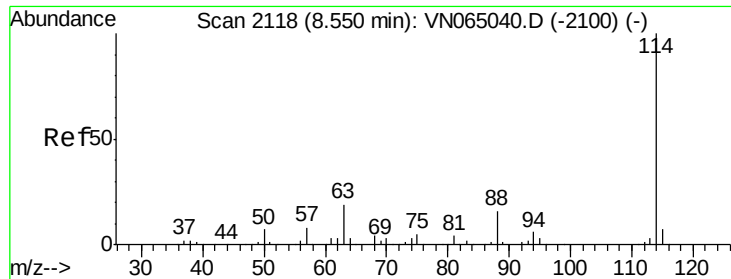
67 52.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN065064.D (-1943) (-)

Ion 66.90 (66.60 to 67.60): VN065064.D (-1943) (-)

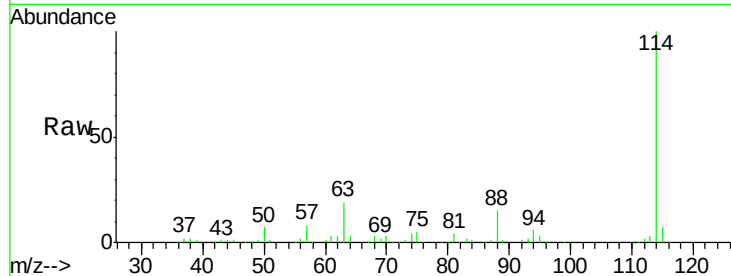




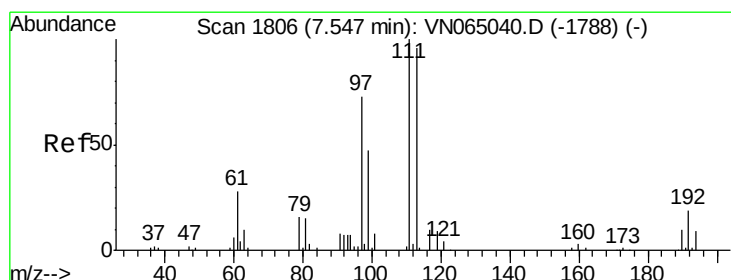
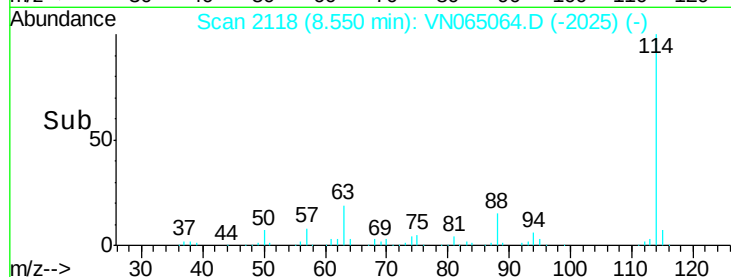
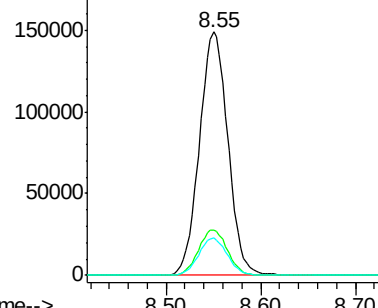
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.2
88	15.2	0.0	31.6

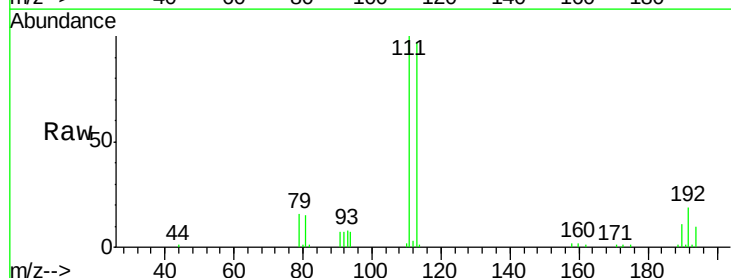


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

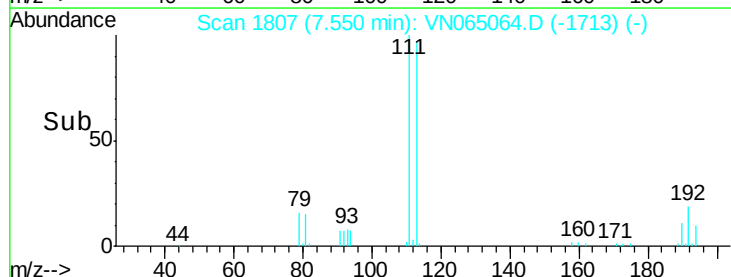
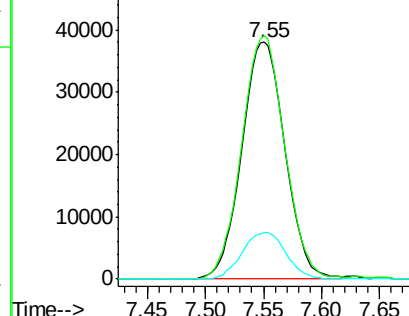


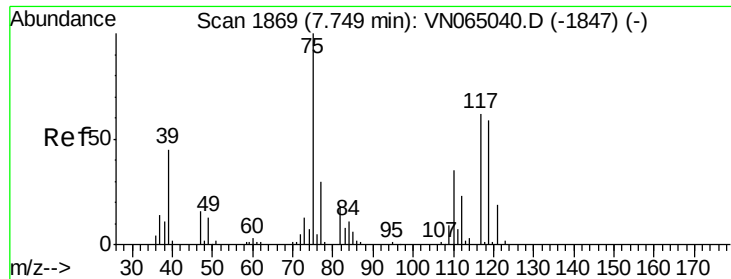
#35
 Dibromofluoromethane
 Concen: 47.730 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.0
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

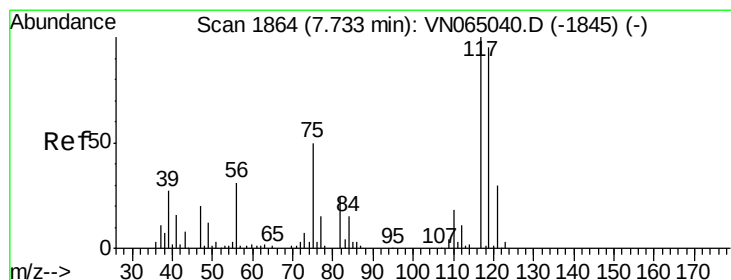
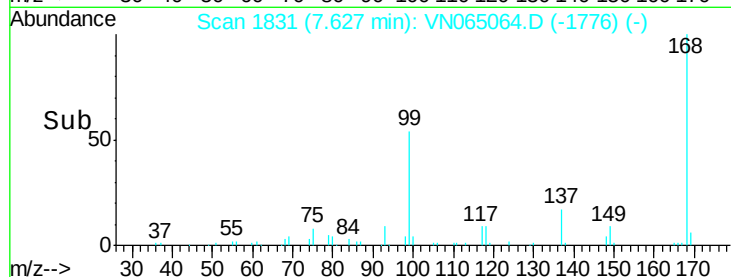
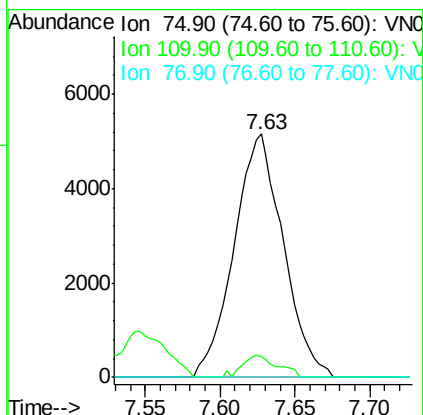
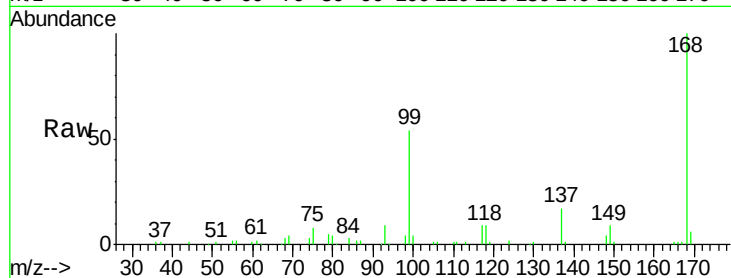




#36
 1,1-Dichloropropene
 Concen: 4.434 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.12 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

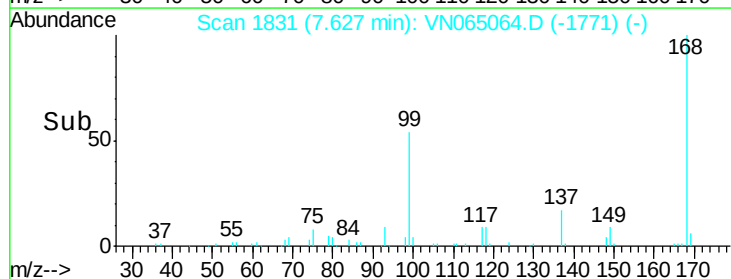
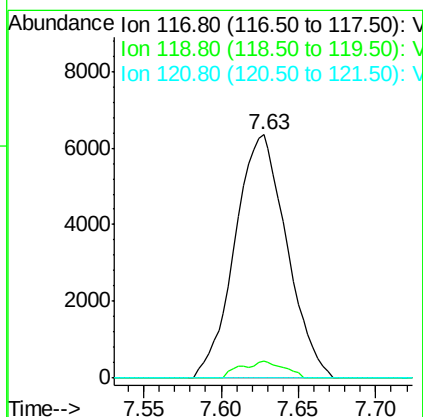
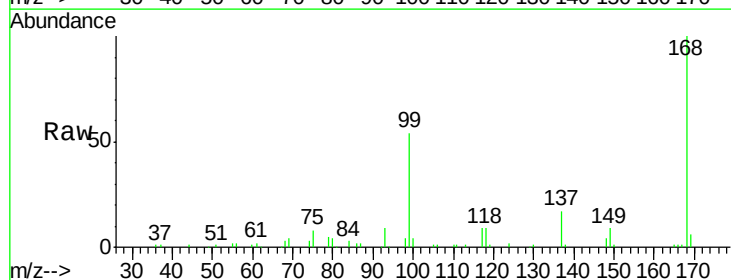
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

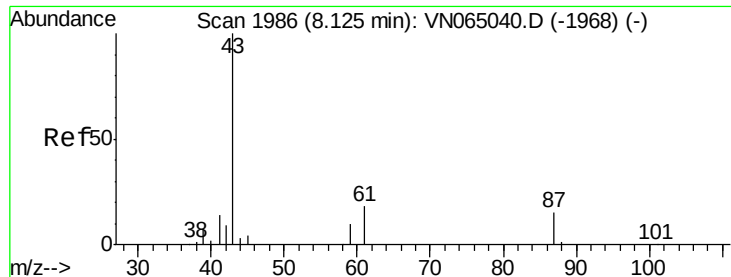
Tgt Ion: 75 Resp: 11793
 Ion Ratio Lower Upper
 75 100
 110 6.4 18.1 54.1#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.224 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Tgt Ion: 117 Resp: 14763
 Ion Ratio Lower Upper
 117 100
 119 7.2 75.9 113.9#
 121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 3.549 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#12

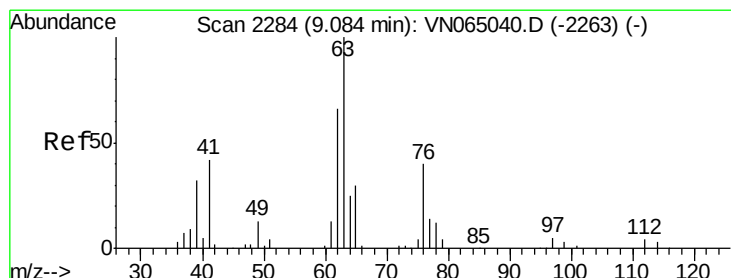
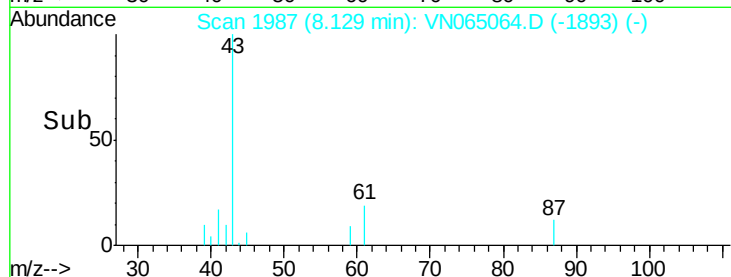
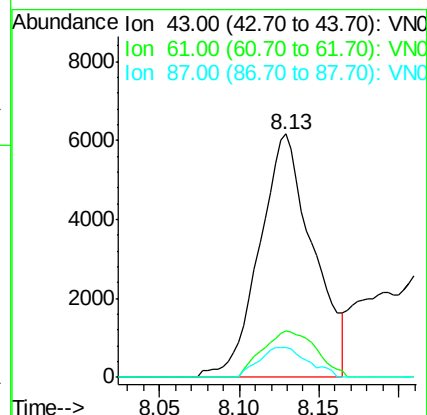
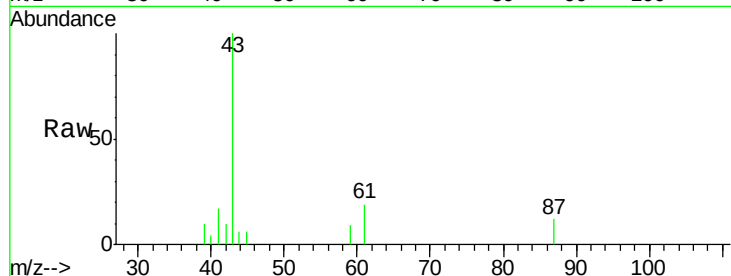
Tgt Ion: 43 Resp: 14270

Ion Ratio Lower Upper

43 100

61 19.0 16.9 25.3

87 11.2 11.4 17.2#



#45

1,2-Dichloropropane

Concen: 0.441 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN065064.D

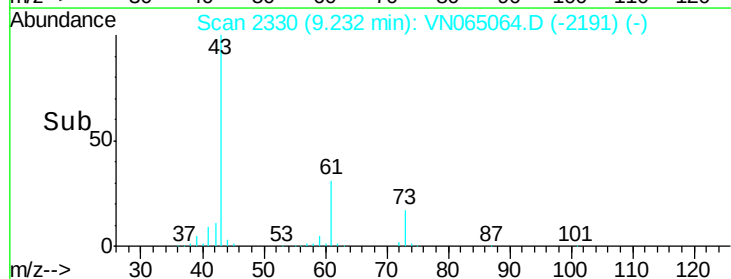
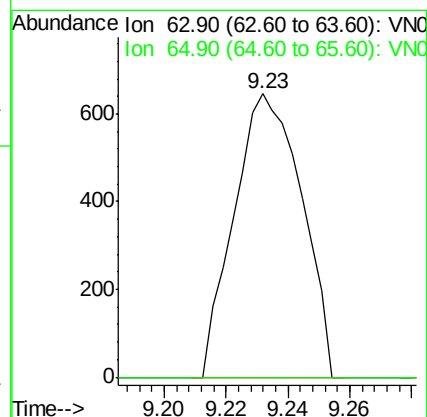
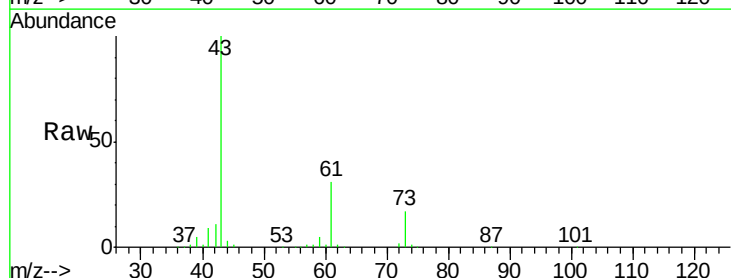
Acq: 11 Dec 2020 3:00

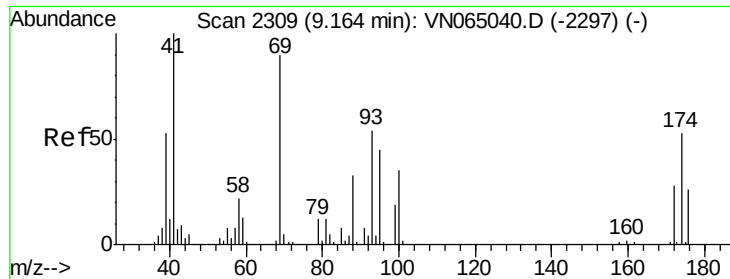
Tgt Ion: 63 Resp: 982

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#

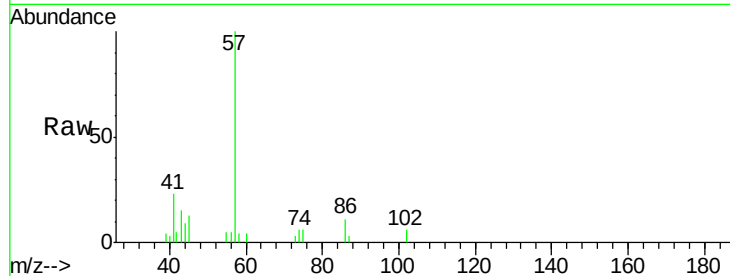




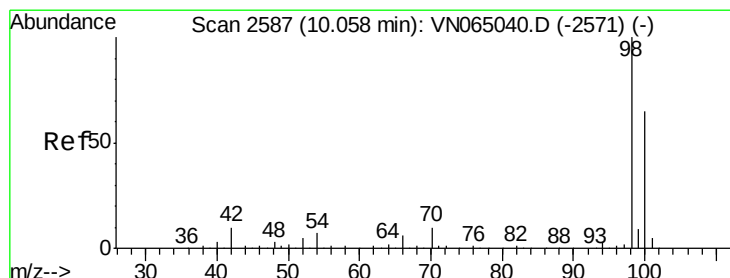
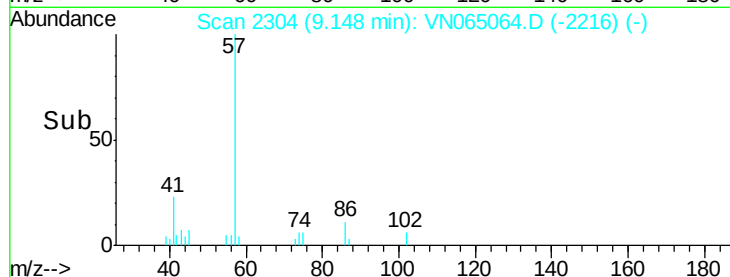
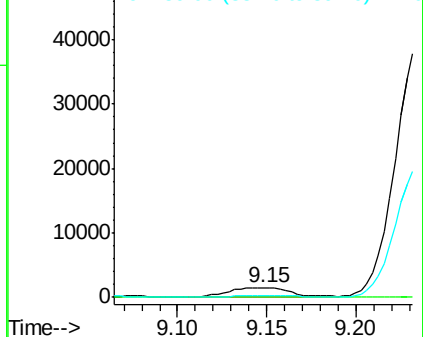
#48
Methyl methacrylate
Concen: 1.968 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN065064.D
Acq: 11 Dec 2020 3:00

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#12

Tgt Ion: 41 Resp: 3756
Ion Ratio Lower Upper
41 100
69 0.0 72.1 108.1#
39 0.0 43.8 65.6#

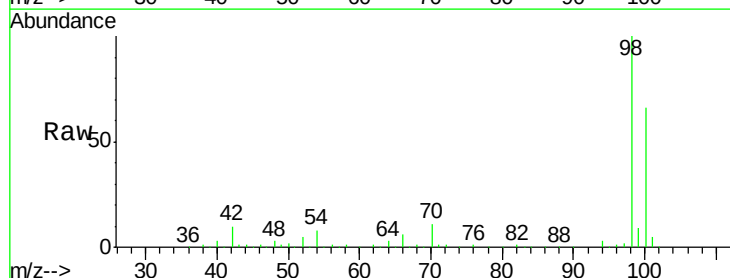


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

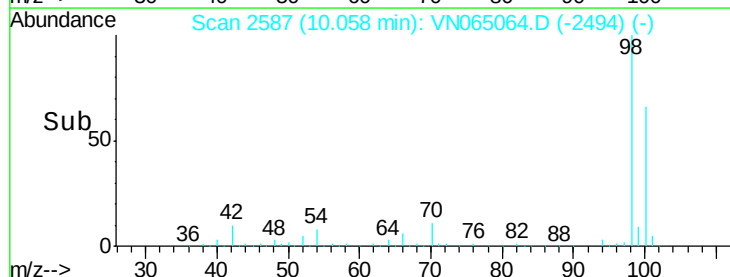
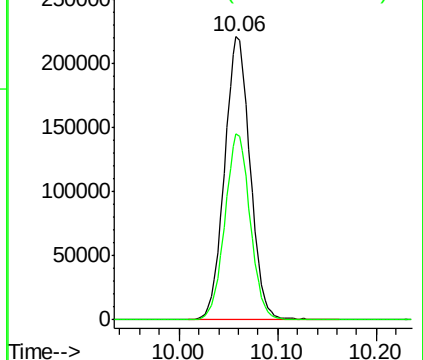


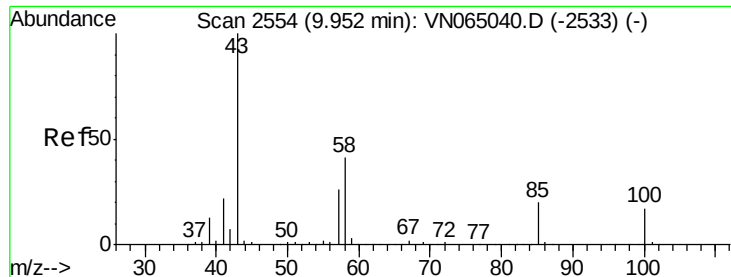
#50
Toluene-d8
Concen: 50.767 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065064.D
Acq: 11 Dec 2020 3:00

Tgt Ion: 98 Resp: 401842
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

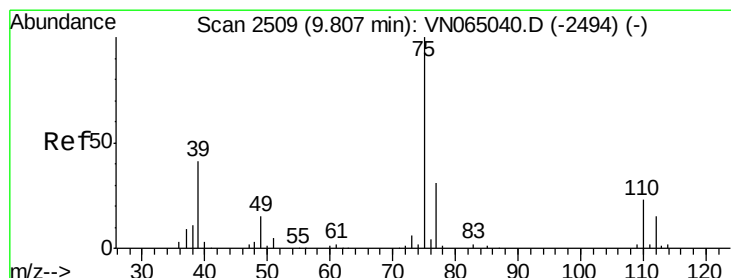
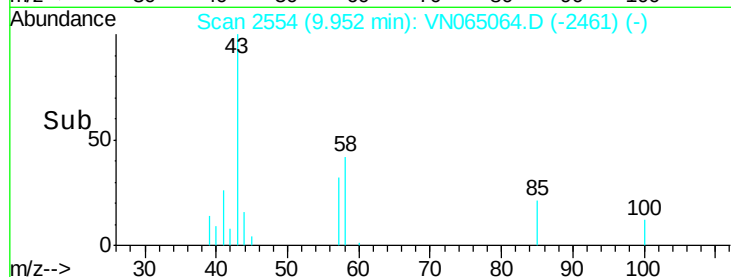
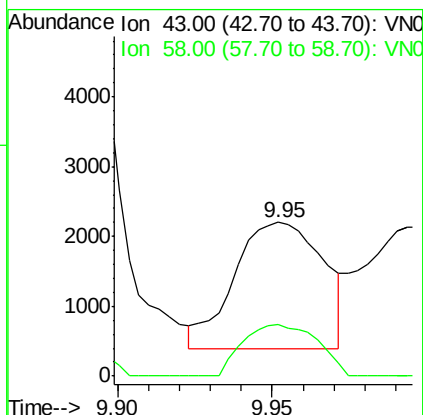
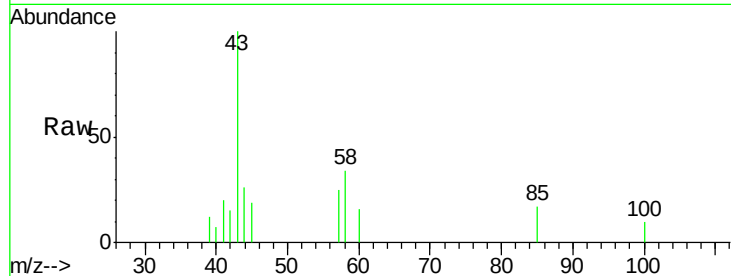




#51
 4-Methyl-2-Pentanone
 Concen: 1.506 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

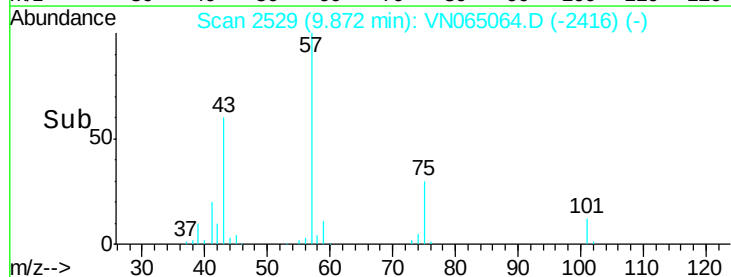
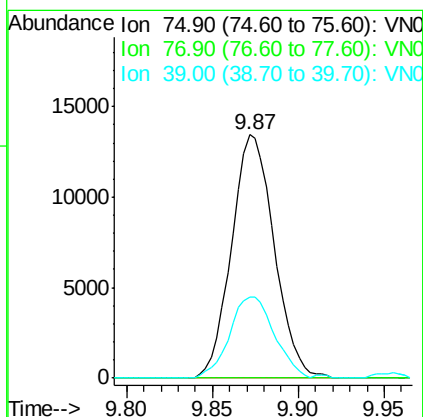
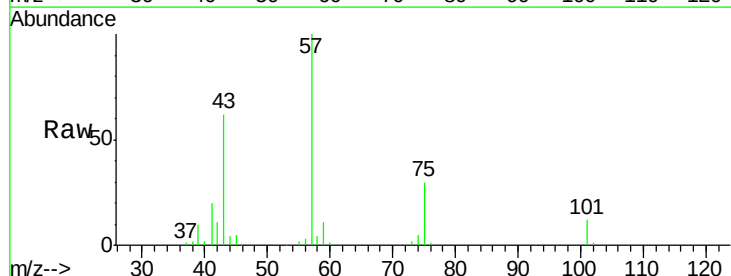
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

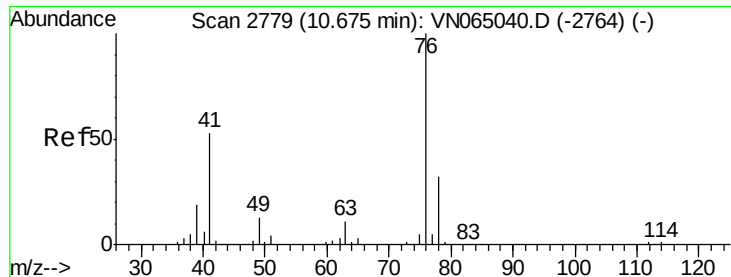
Tgt Ion: 43 Resp: 3620
 Ion Ratio Lower Upper
 43 100
 58 34.4 32.4 48.6



#54
 cis-1,3-Dichloropropene
 Concen: 6.593 ug/l
 RT: 9.87 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Tgt Ion: 75 Resp: 23243
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 33.1 33.0 49.4

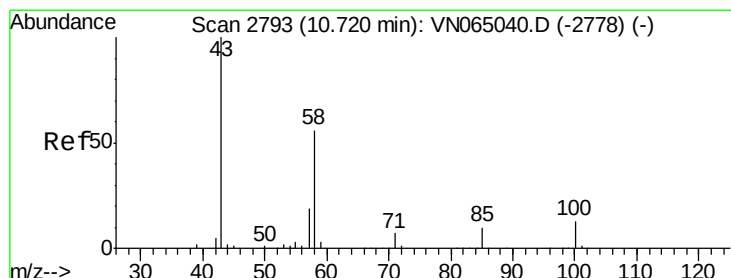
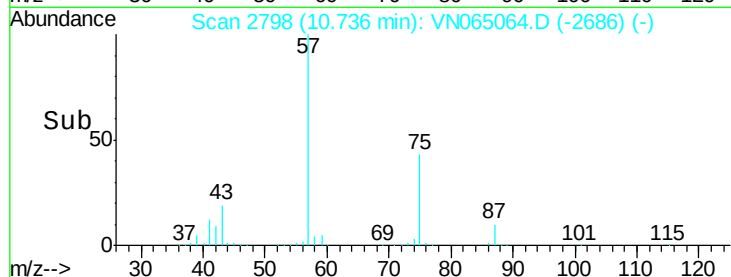
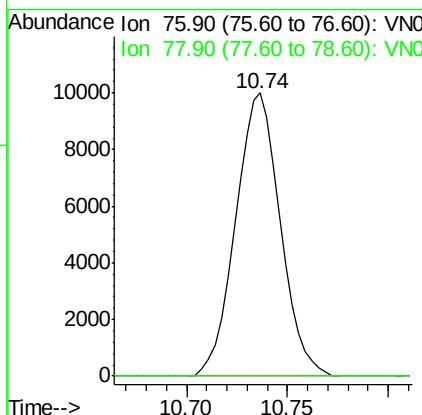
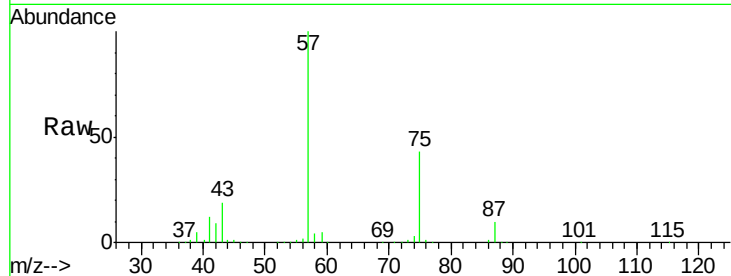




#57
 1,3-Dichloropropane
 Concen: 4.398 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

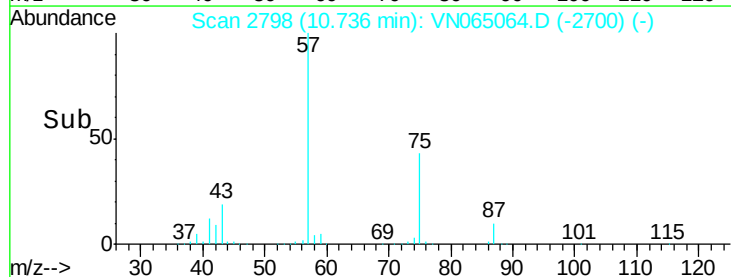
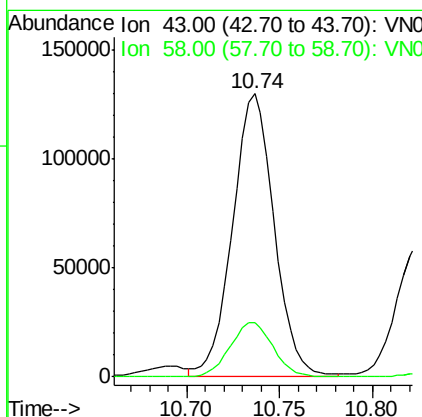
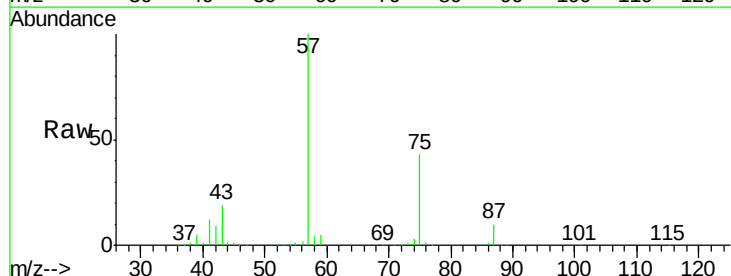
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

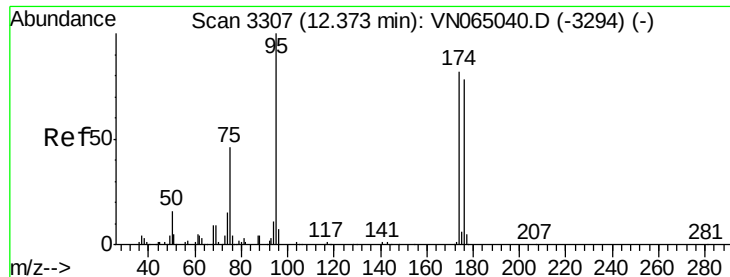
Tgt Ion: 76 Resp: 15468
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#



#59
 2-Hexanone
 Concen: 115.954 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Tgt Ion: 43 Resp: 200785
 Ion Ratio Lower Upper
 43 100
 58 20.1 28.3 84.9#





#62

4-Bromofluorobenzene

Concen: 52.974 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#12

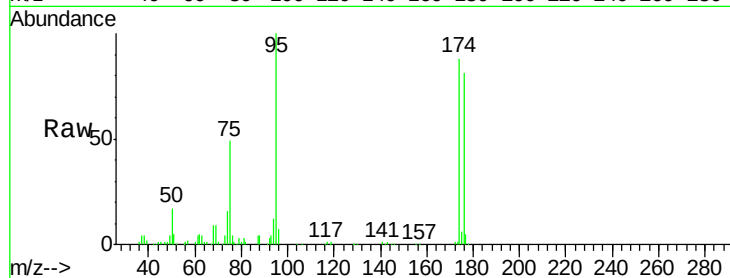
Tgt Ion: 95 Resp: 143721

Ion Ratio Lower Upper

95 100

174 85.5 0.0 164.8

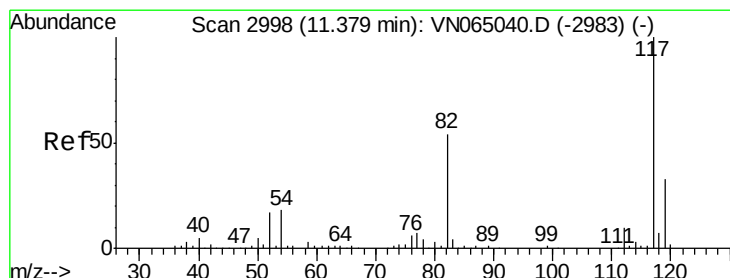
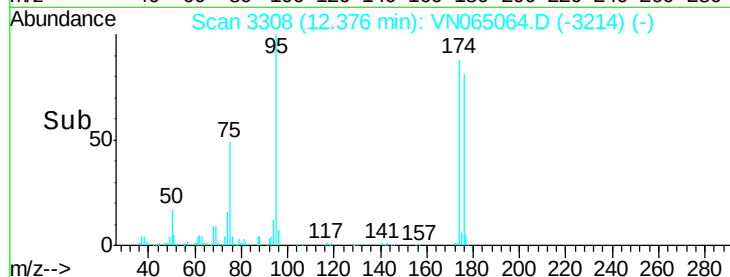
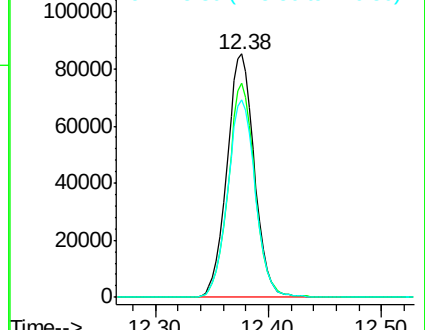
176 82.2 0.0 158.8



Abundance Ion 94.90 (94.60 to 95.60): VN065064.D (-3214) (-)

Ion 173.80 (173.50 to 174.50): VN065064.D (-3214) (-)

Ion 175.80 (175.50 to 176.50): VN065064.D (-3214) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

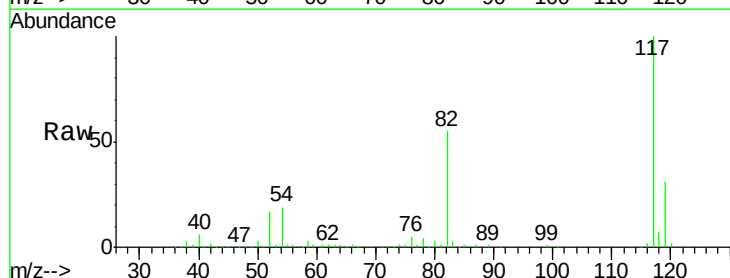
Tgt Ion: 117 Resp: 334182

Ion Ratio Lower Upper

117 100

82 54.7 43.5 65.3

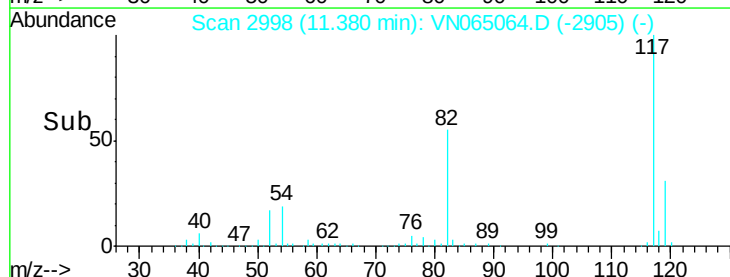
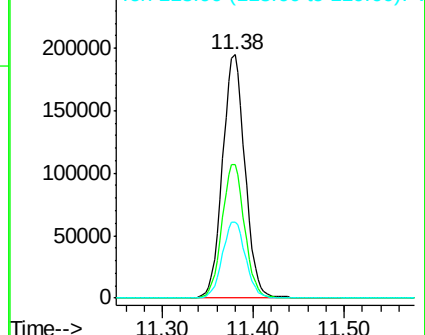
119 31.4 26.4 39.6

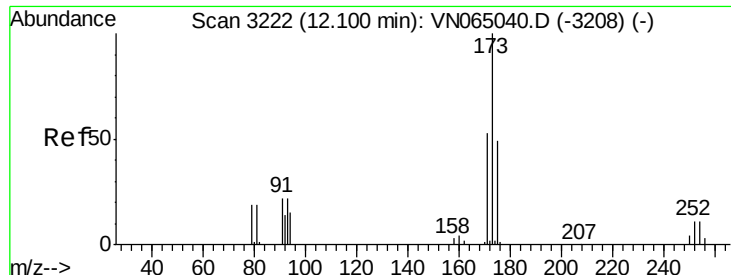


Abundance Ion 116.90 (116.60 to 117.60): VN065064.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN065064.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN065064.D (-2905) (-)





#71

Bromoform

Concen: 0.506 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#12

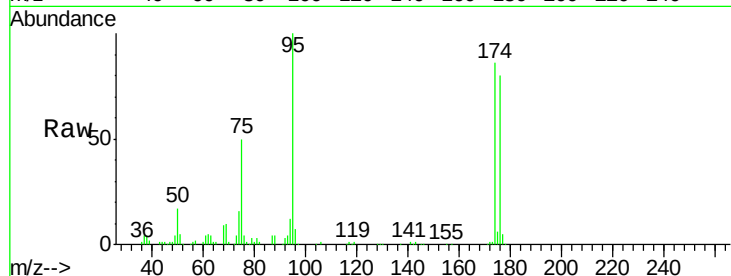
Tgt Ion:173 Resp: 1011

Ion Ratio Lower Upper

173 100

175 746.5 24.5 73.5#

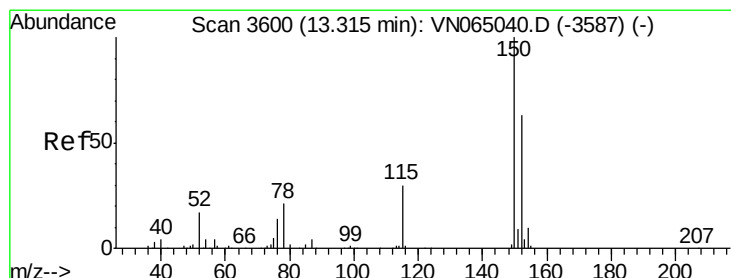
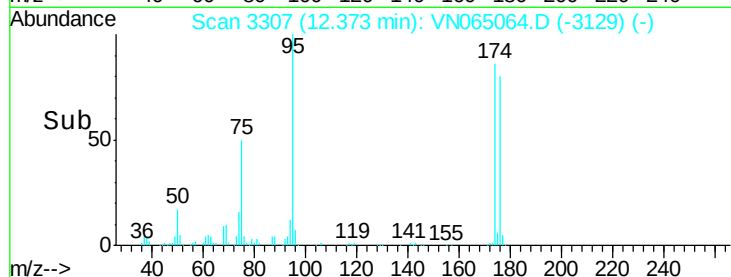
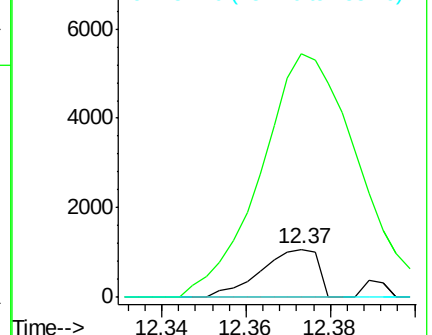
254 0.0 0.0 0.0



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: VN065064.D

Acq: 11 Dec 2020 3:00

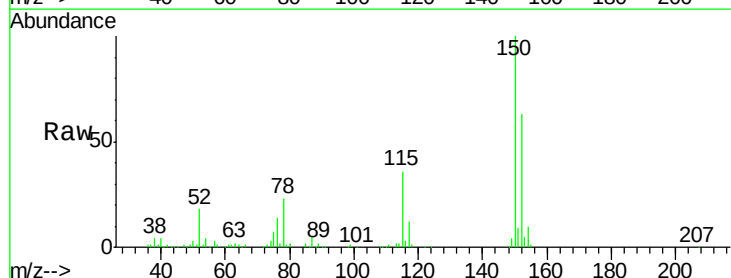
Tgt Ion:152 Resp: 136365

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

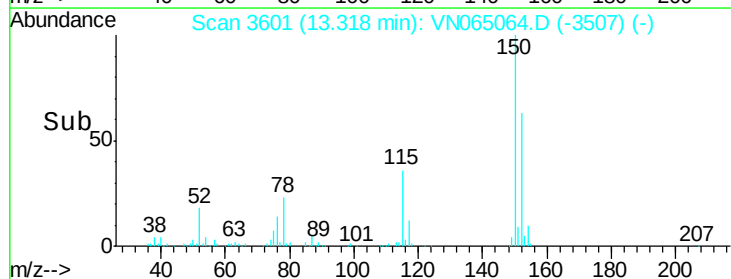
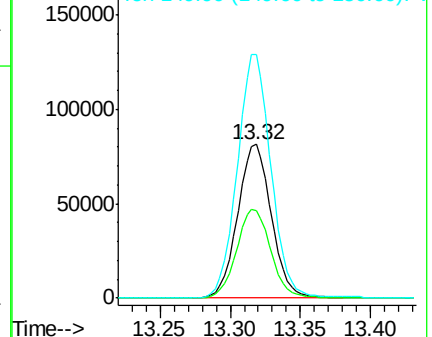
150 158.8 0.0 345.8

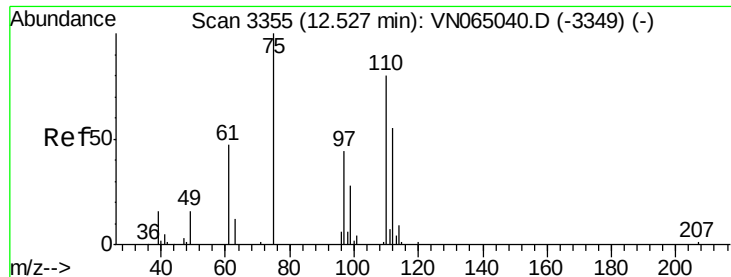


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

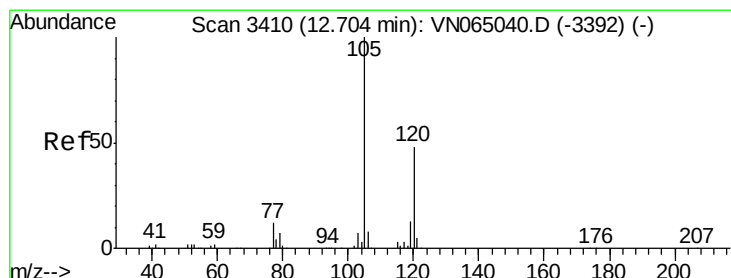
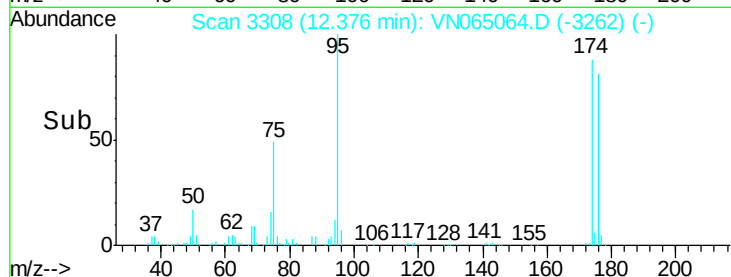
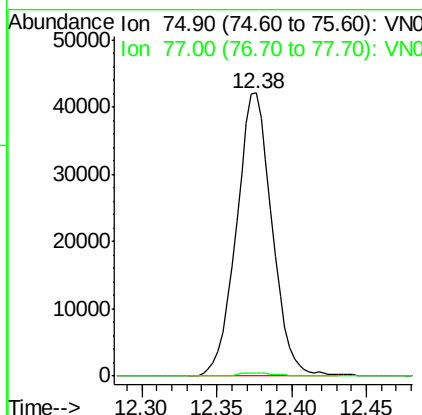
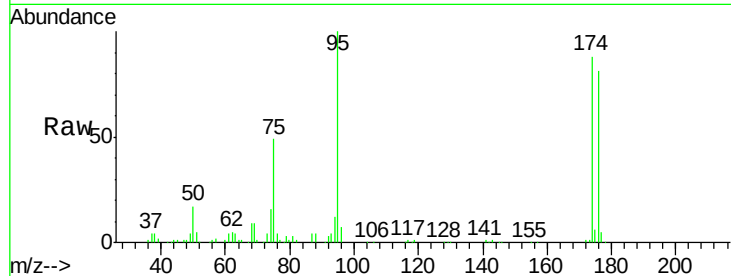




#76
 1,2,3-Trichloropropane
 Concen: 26.168 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

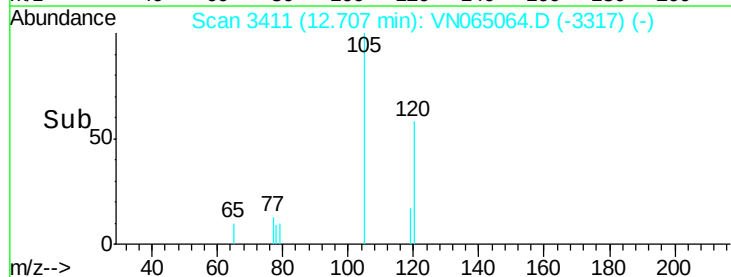
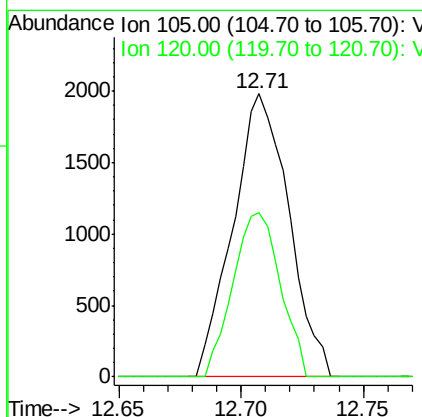
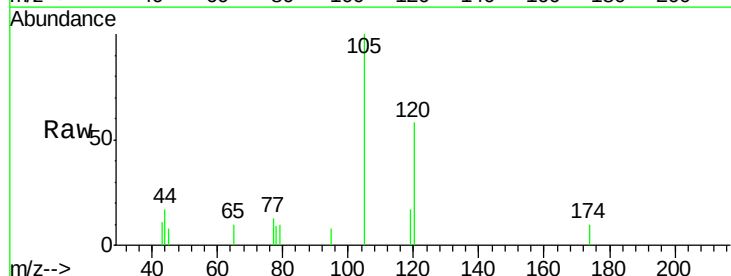
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#12

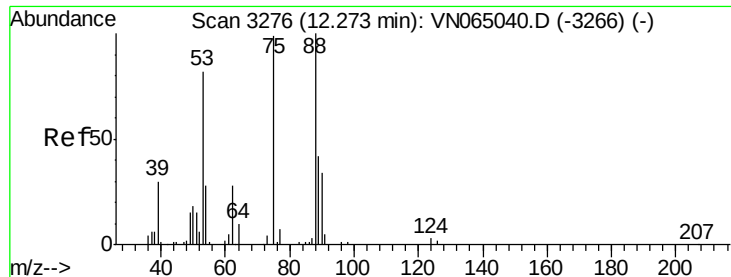
Tgt Ion: 75 Resp: 69509
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.412 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN065064.D
 Acq: 11 Dec 2020 3:00

Tgt Ion: 105 Resp: 3144
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 74.481 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065064.D

Acq: 11 Dec 2020 3:00

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#12

Tgt Ion: 75 Resp: 69509

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.2 54.4#

