

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
 Data File : VN065062.D
 Acq On : 11 Dec 2020 2:12
 Operator : JC/MD
 Sample : PB133501ZHE#10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#10

Quant Time: Dec 11 03:49:09 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	151548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	296323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	316994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	104004	57.64	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	115.28%		
35) Dibromofluoromethane	7.55	113	94158	48.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.06%		
50) Toluene-d8	10.06	98	376300	50.03	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.06%		
62) 4-Bromofluorobenzene	12.38	95	139007	53.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.84%		

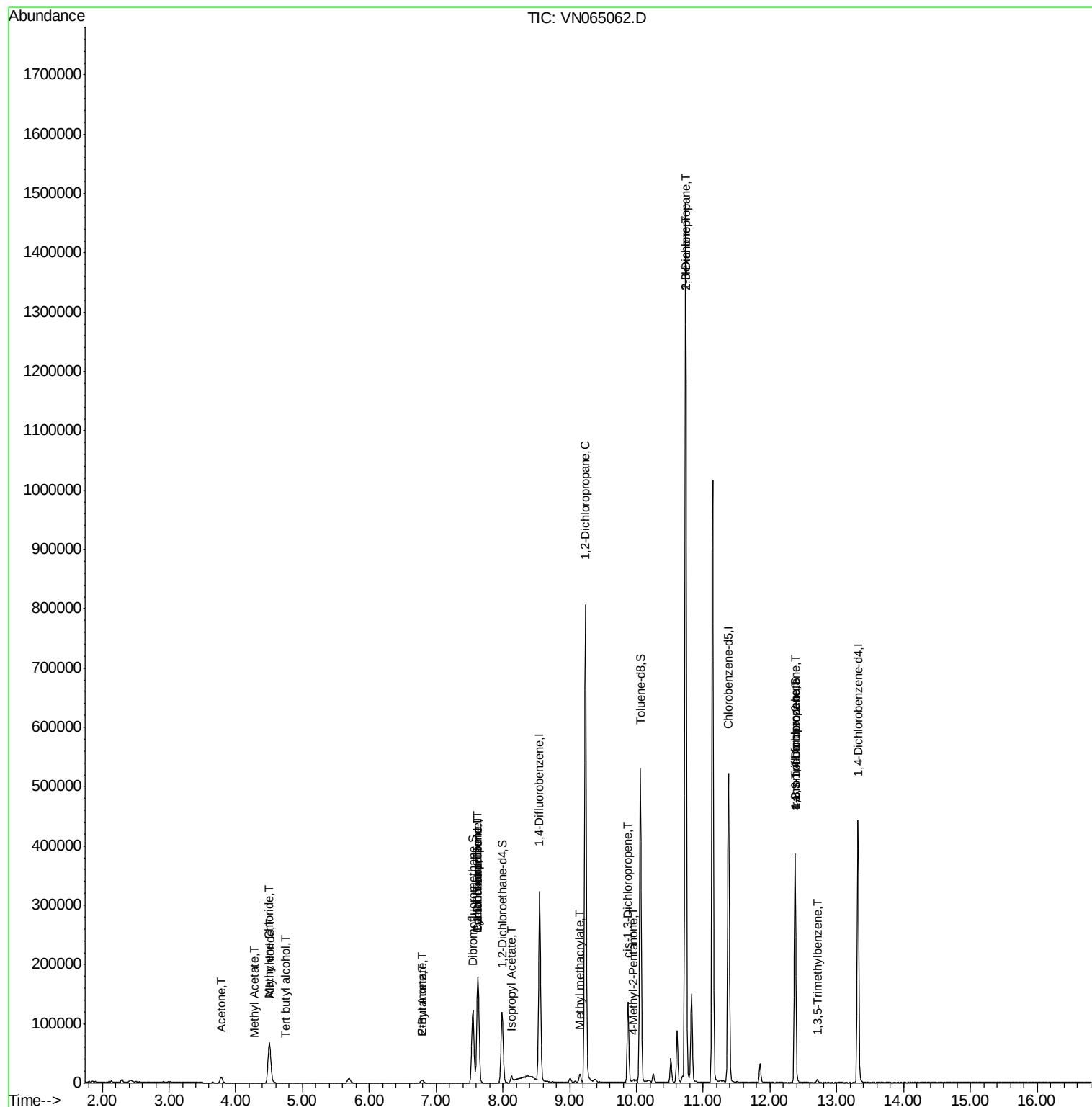
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	63	Below Cal	#	42
11) Tert butyl alcohol	4.74	59	148	0.677	ug/l #	72
14) Allyl chloride	4.51	41	1946	0.919	ug/l #	27
16) Acetone	3.78	43	17075	26.681	ug/l	94
18) Methyl Acetate	4.29	43	703	0.436	ug/l #	50
20) Methylene Chloride	4.51	84	54311	33.313	ug/l	98
25) 2-Butanone	6.79	43	588	0.666	ug/l #	12
31) Cyclohexane	7.62	56	2687	2.645	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11313	4.476	ug/l #	47
37) Ethyl Acetate	6.80	43	990	0.431	ug/l #	67
38) Carbon Tetrachloride	7.62	117	14939	5.563	ug/l #	17
43) Isopropyl Acetate	8.13	43	14981	3.922	ug/l	93
45) 1,2-Dichloropropane	9.24	63	947	0.447	ug/l #	45
48) Methyl methacrylate	9.14	41	3870	2.134	ug/l #	12
51) 4-Methyl-2-Pentanone	9.96	43	3555	1.557	ug/l #	86
54) cis-1,3-Dichloropropene	9.87	75	24354	7.271	ug/l #	67
57) 1,3-Dichloropropane	10.74	76	15145	4.532	ug/l #	42
59) 2-Hexanone	10.74	43	199197	121.072	ug/l #	51
76) 1,2,3-Trichloropropane	12.38	75	64518	25.921	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3268	0.457	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.38	75	64518	73.778	ug/l #	15

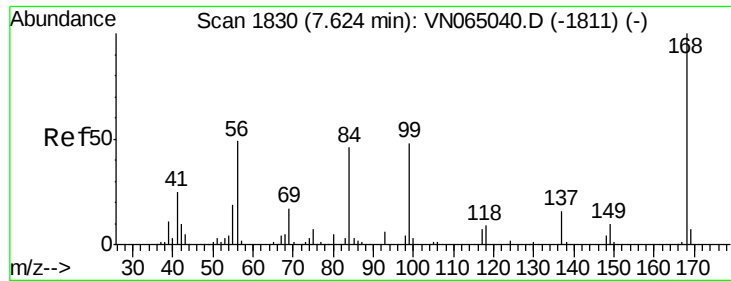
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
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Sample : PB133501ZHE#10
Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
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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: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

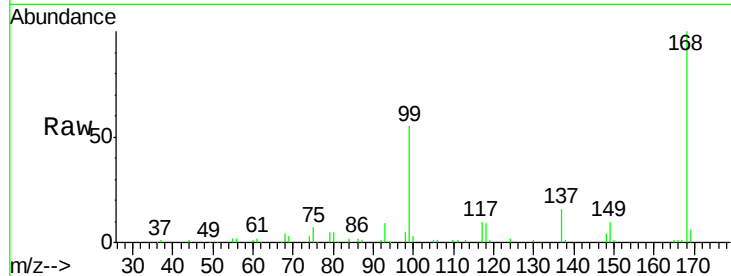
PB133501ZHE#10

Tgt Ion:168 Resp: 151548

Ion Ratio Lower Upper

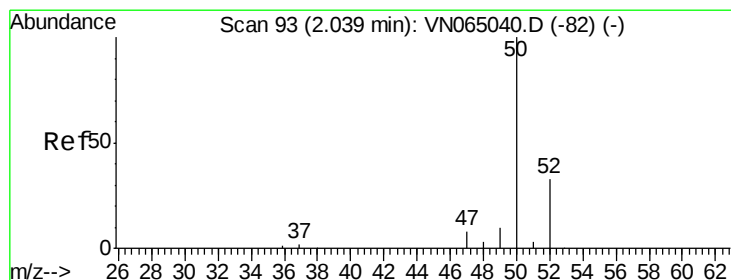
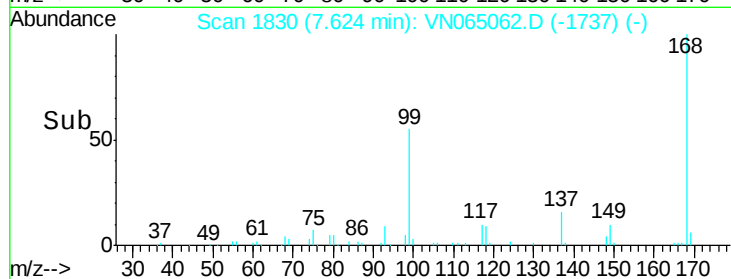
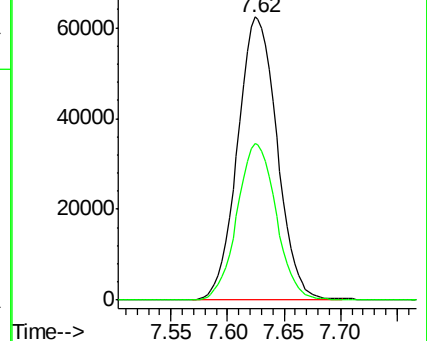
168 100

99 55.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065062.D

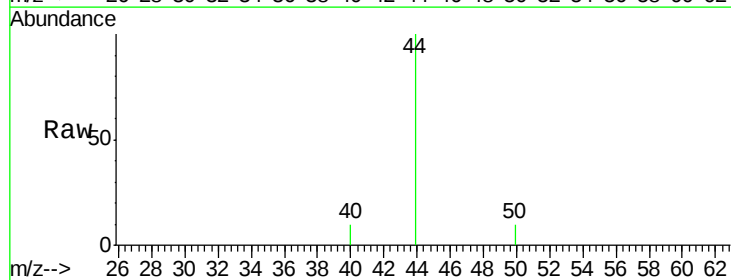
Acq: 11 Dec 2020 2:12

Tgt Ion: 50 Resp: 63

Ion Ratio Lower Upper

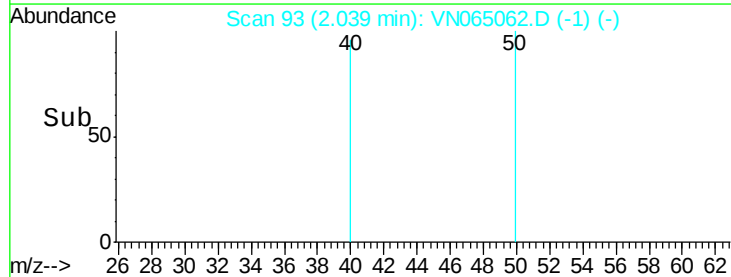
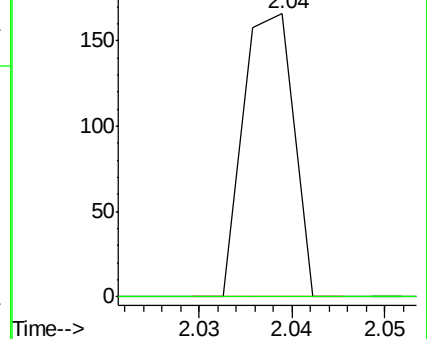
50 100

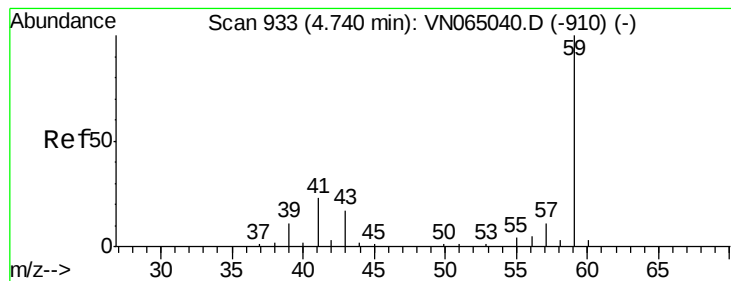
52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



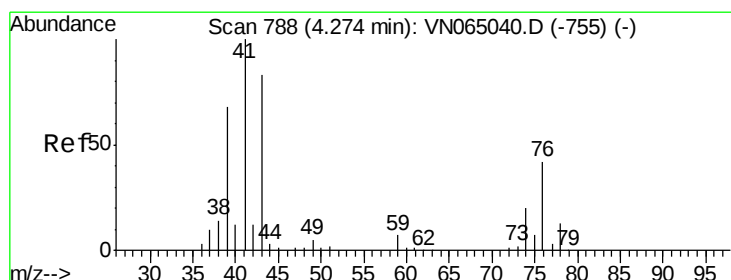
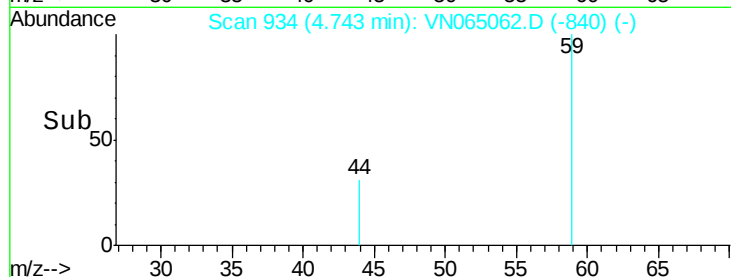
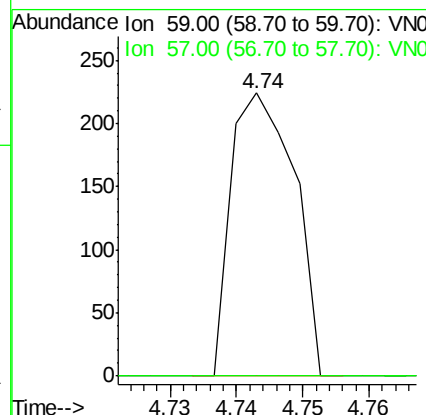
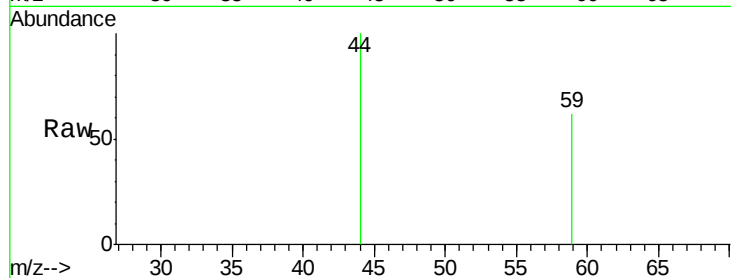


#11

Tert butyl alcohol
 Concen: 0.677 ug/l
 RT: 4.74 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#10

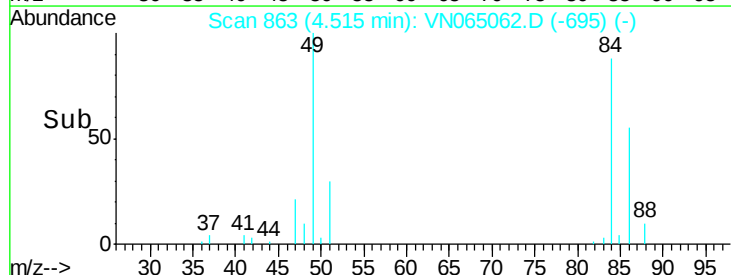
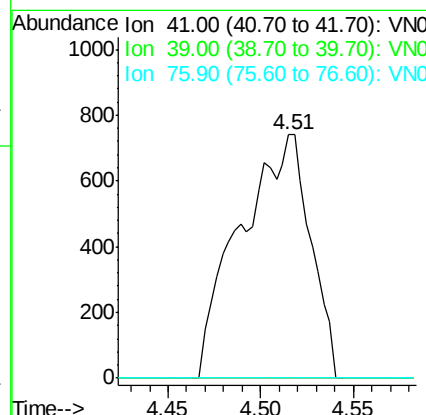
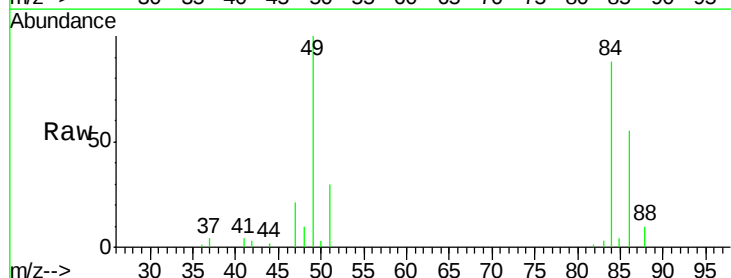
Tgt Ion: 59 Resp: 148
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

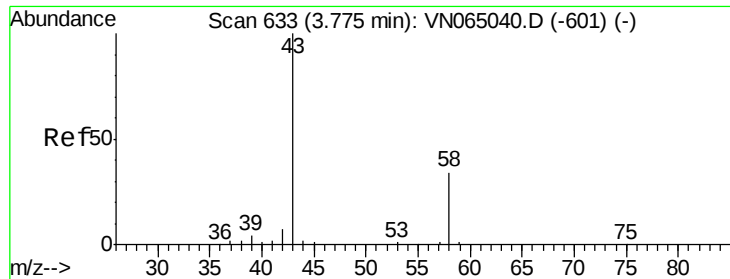


#14

Allyl chloride
 Concen: 0.919 ug/l
 RT: 4.51 min Scan# 863
 Delta R.T. 0.24 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

Tgt Ion: 41 Resp: 1946
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.0 73.6#
 76 0.0 29.6 44.4#





#16

Acetone

Concen: 26.681 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

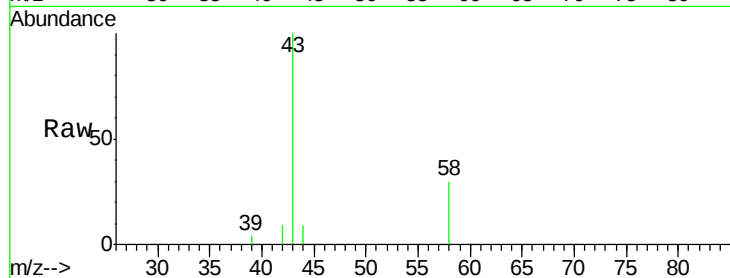
PB133501ZHE#10

Tgt Ion: 43 Resp: 17075

Ion Ratio Lower Upper

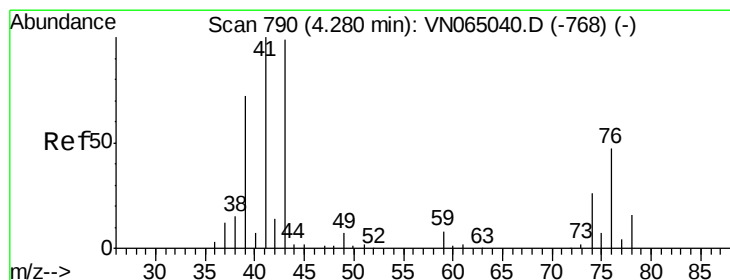
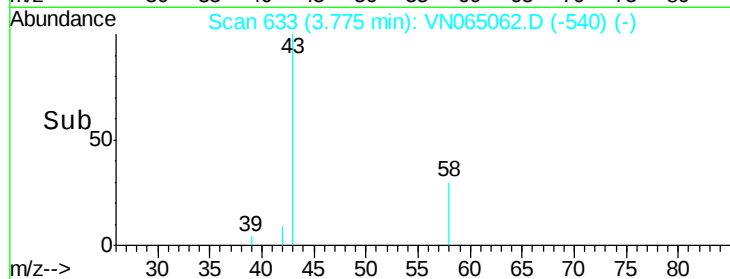
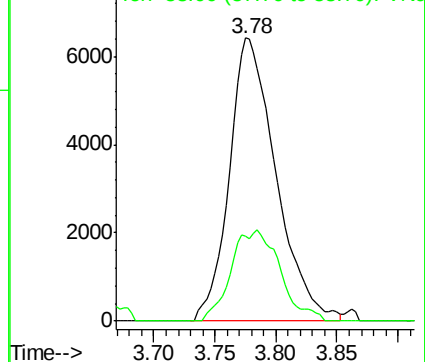
43 100

58 30.0 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN065040.D (-601) (-)



#18

Methyl Acetate

Concen: 0.436 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN065062.D

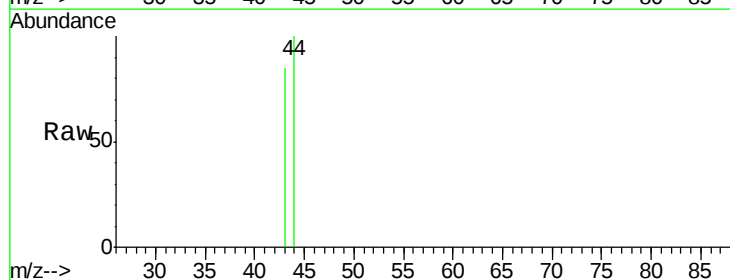
Acq: 11 Dec 2020 2:12

Tgt Ion: 43 Resp: 703

Ion Ratio Lower Upper

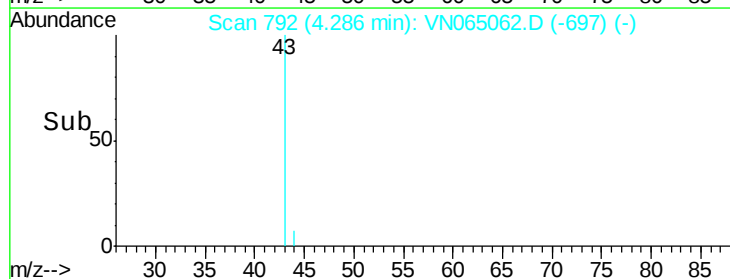
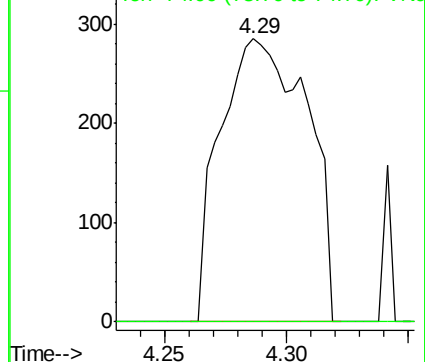
43 100

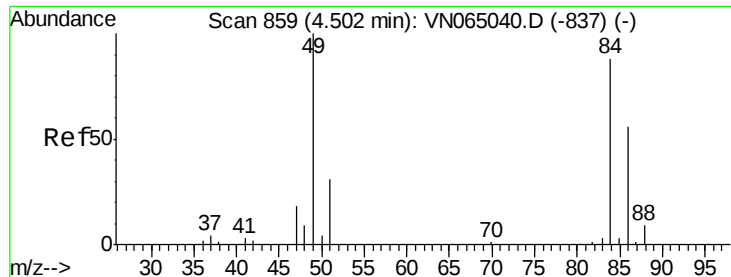
74 0.0 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN065040.D (-768) (-)

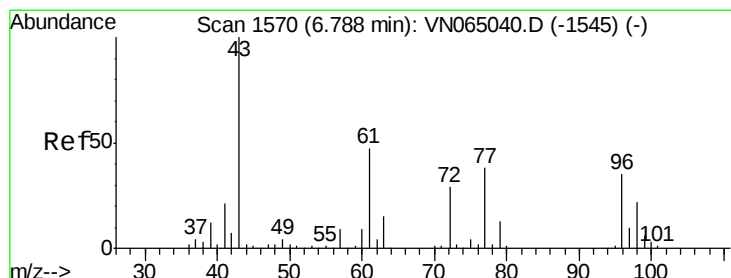
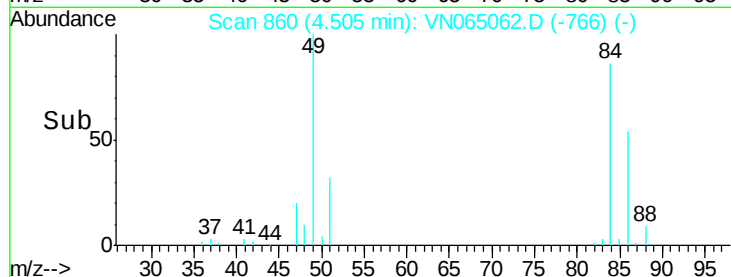
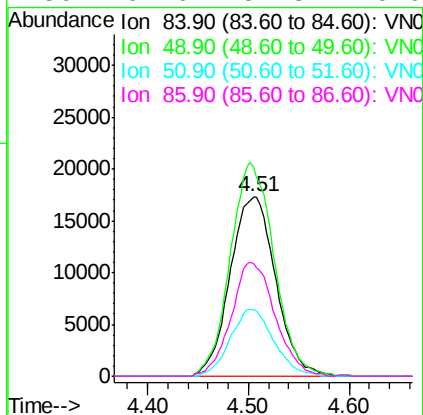
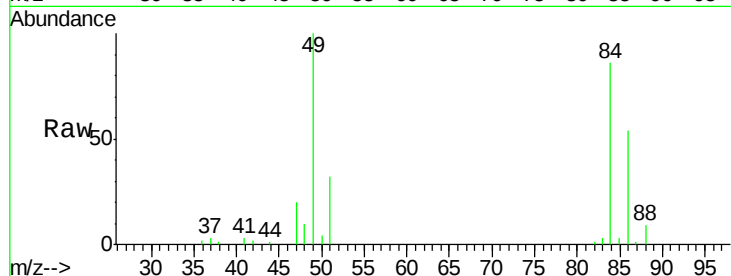




#20
Methylene Chloride
Concen: 33.313 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

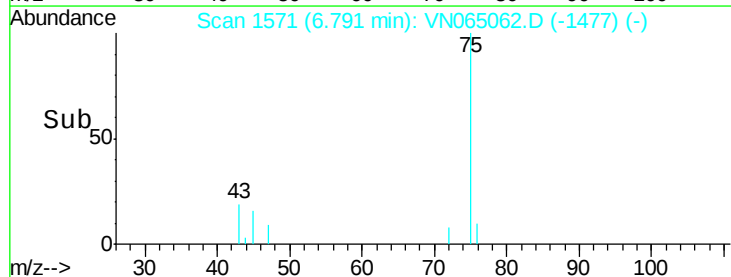
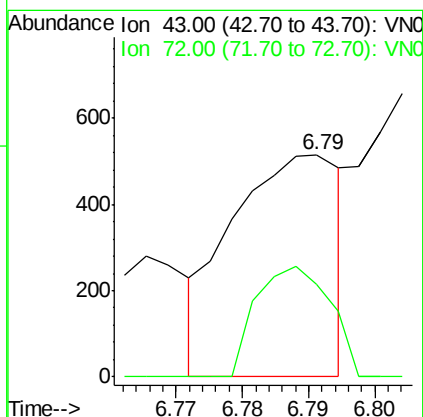
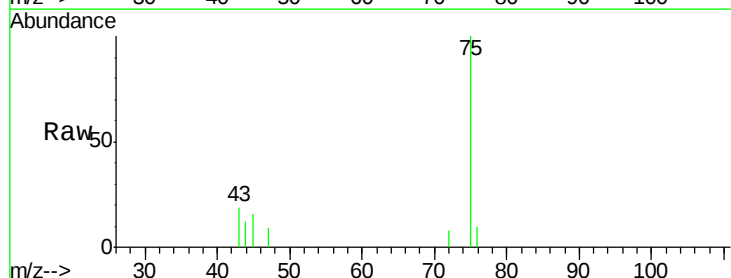
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#10

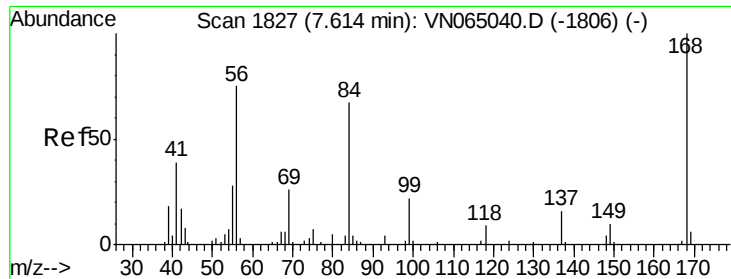
Tgt Ion:	84	Resp:	54311
Ion	Ratio	Lower	Upper
84	100		
49	116.2	90.8	136.2
51	37.0	28.1	42.1
86	62.6	51.3	76.9



#25
2-Butanone
Concen: 0.666 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

Tgt Ion:	43	Resp:	588
Ion	Ratio	Lower	Upper
43	100		
72	75.3	22.9	34.3#

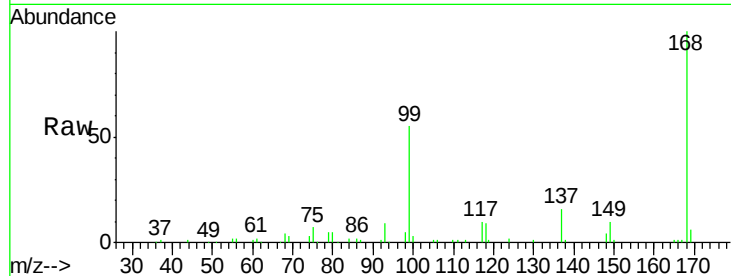




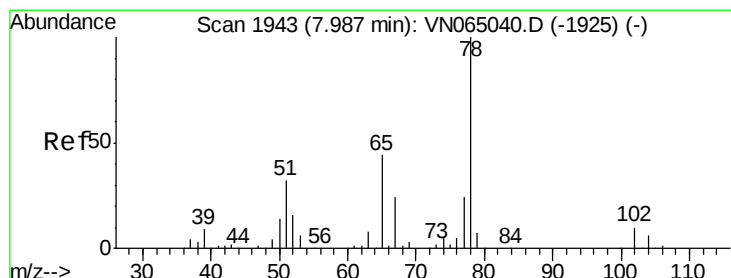
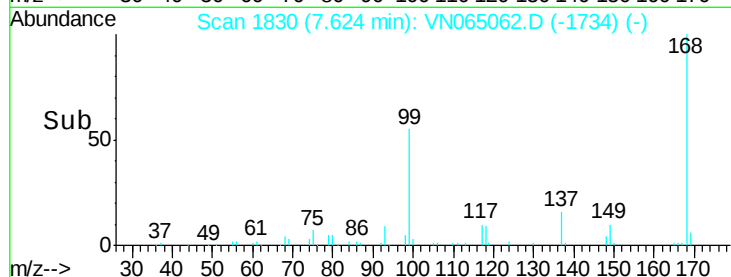
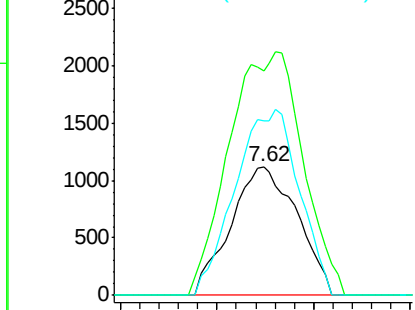
#31
Cyclohexane
Concen: 2.645 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#10

Tgt Ion: 56 Resp: 2687
Ion Ratio Lower Upper
56 100
69 174.5 27.5 41.3#
84 135.3 72.4 108.6#

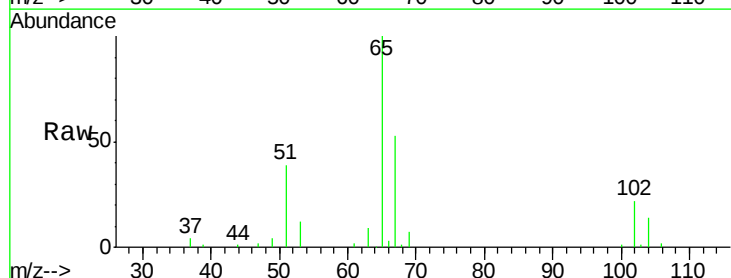


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

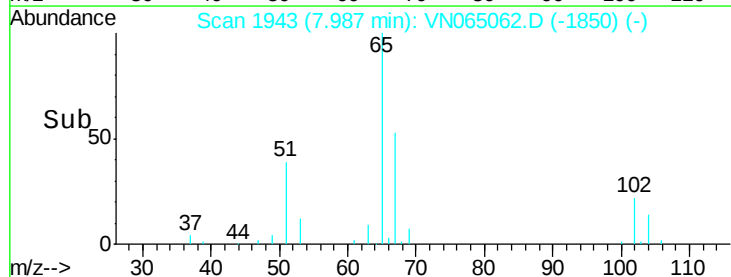
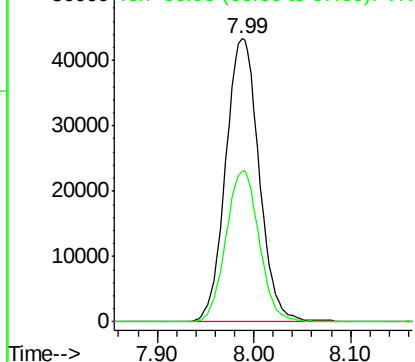


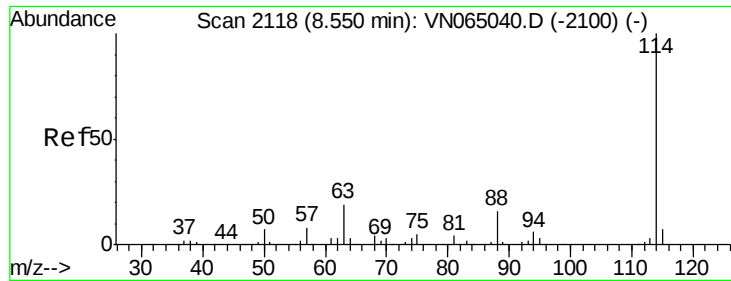
#33
1,2-Dichloroethane-d4
Concen: 57.642 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

Tgt Ion: 65 Resp: 104004
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

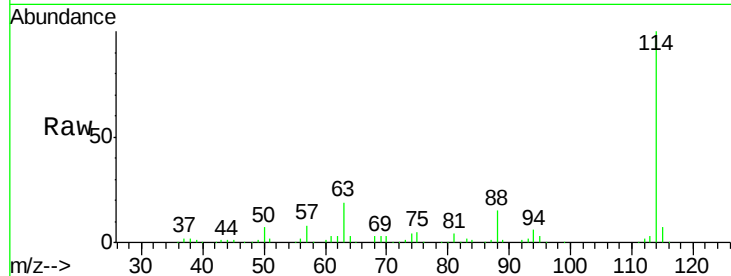




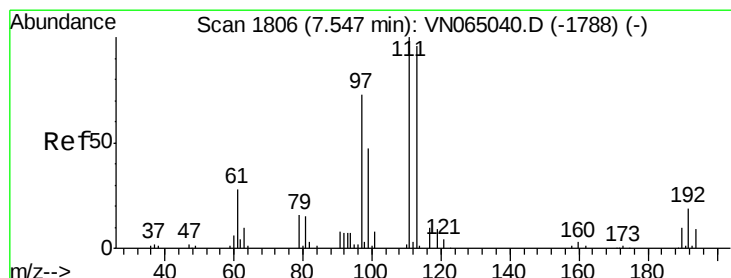
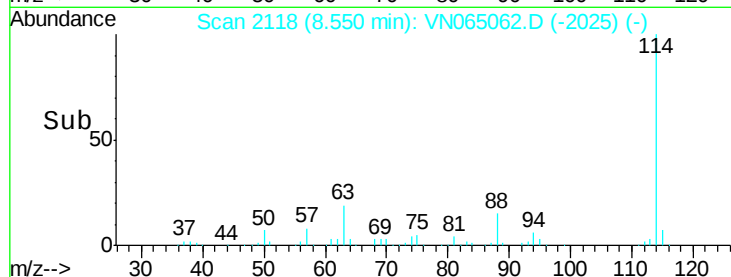
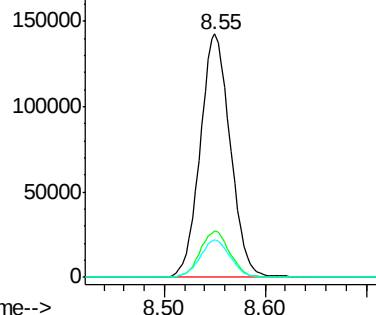
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

Instrument :
MSVOA_N
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PB133501ZHE#10

Tgt Ion:114 Resp: 296323
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.2
88 15.3 0.0 31.6

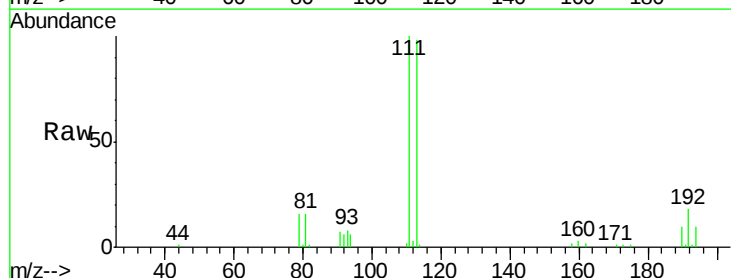


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

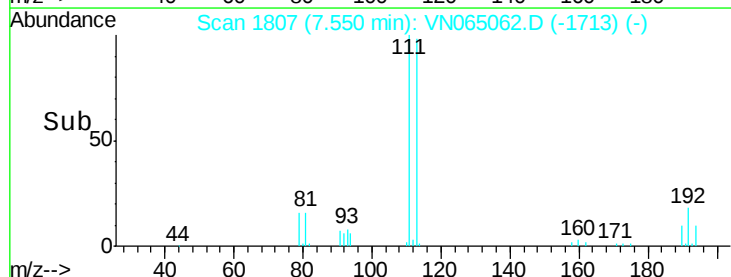
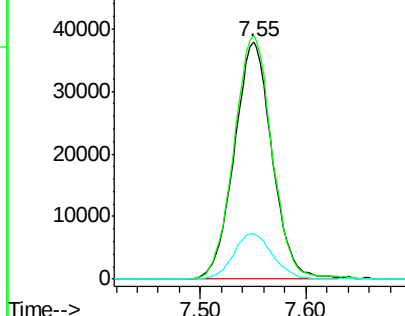


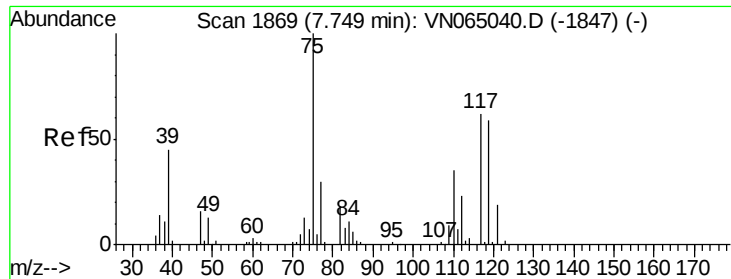
#35
Dibromofluoromethane
Concen: 48.031 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

Tgt Ion:113 Resp: 94158
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.0
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

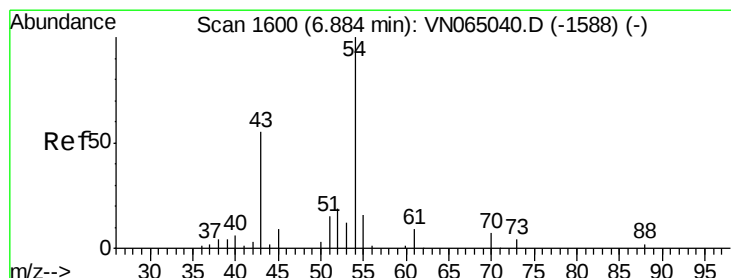
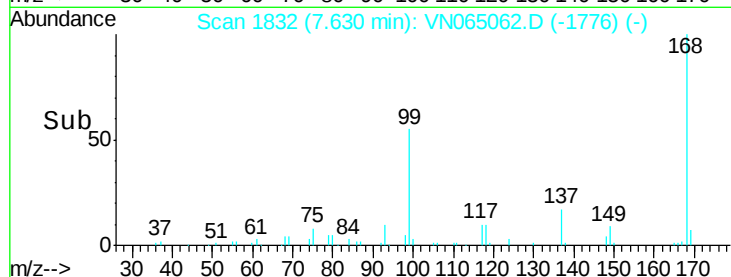
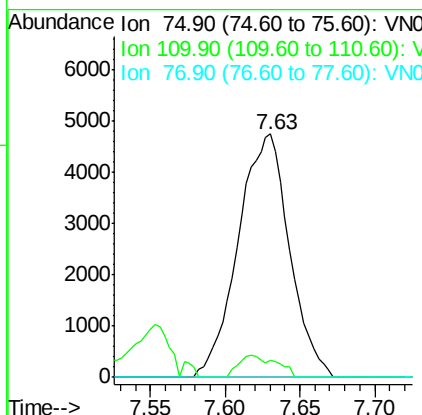
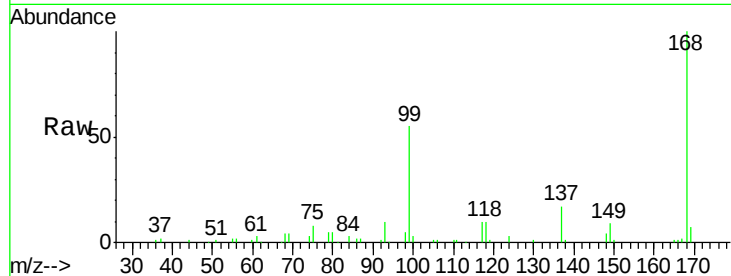




#36
 1,1-Dichloropropene
 Concen: 4.476 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

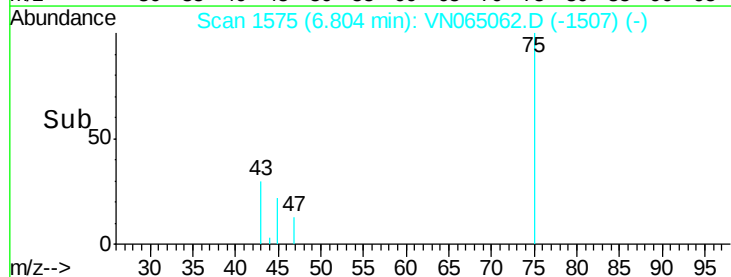
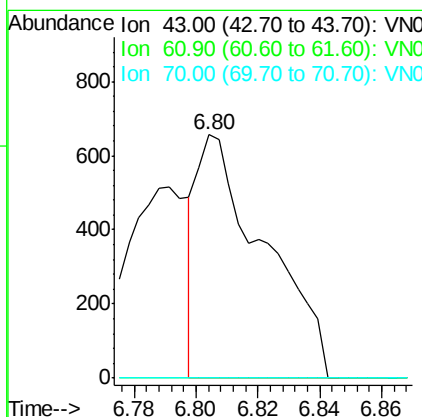
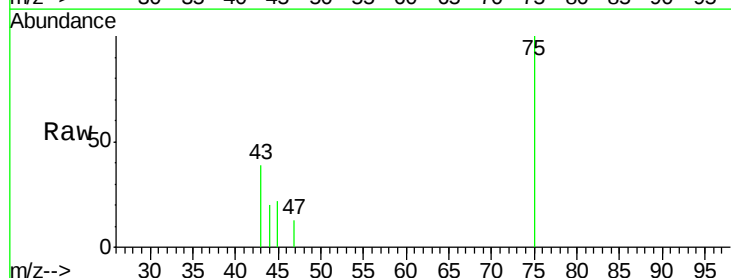
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#10

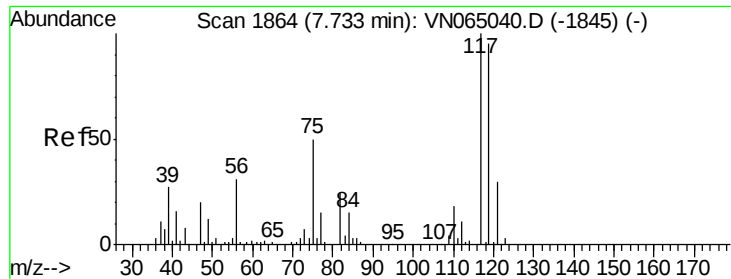
Tgt Ion: 75 Resp: 11313
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.1 54.1#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 0.431 ug/l
 RT: 6.80 min Scan# 1575
 Delta R.T. -0.08 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

Tgt Ion: 43 Resp: 990
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 9.2 13.8#





#38

Carbon Tetrachloride

Concen: 5.563 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#10

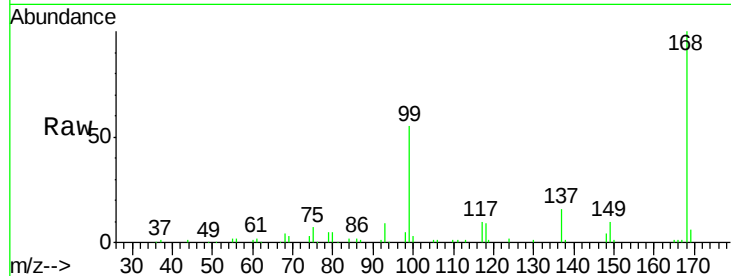
Tgt Ion:117 Resp: 14939

Ion Ratio Lower Upper

117 100

119 6.4 75.9 113.9#

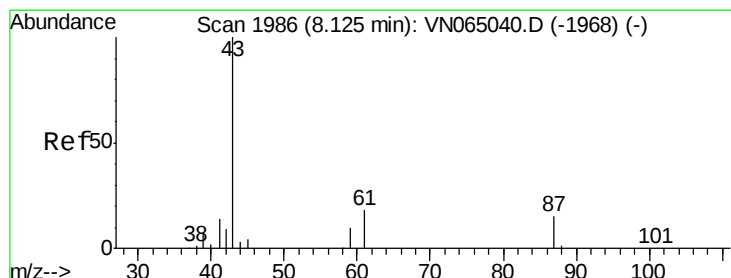
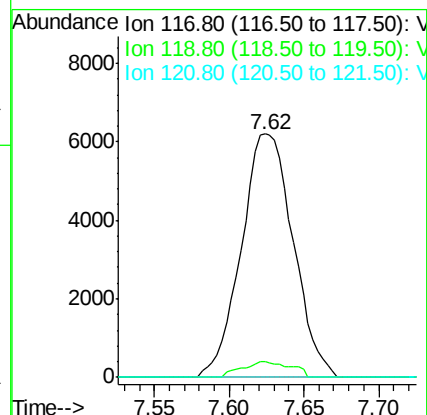
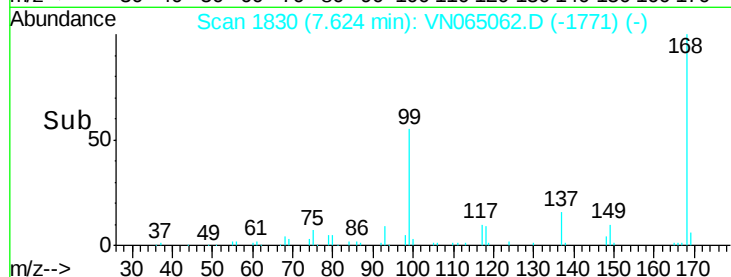
121 0.0 24.1 36.1#



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: 3.922 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065062.D

Acq: 11 Dec 2020 2:12

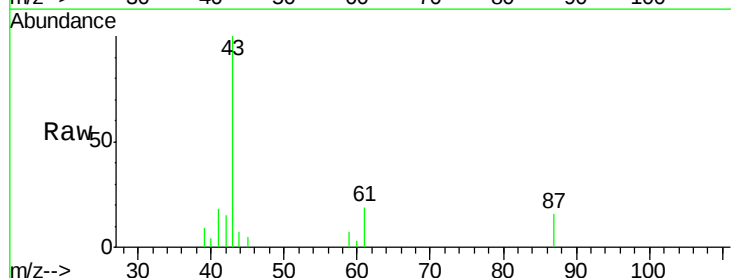
Tgt Ion: 43 Resp: 14981

Ion Ratio Lower Upper

43 100

61 17.3 16.9 25.3

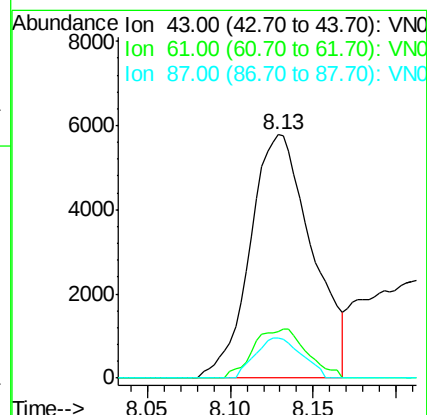
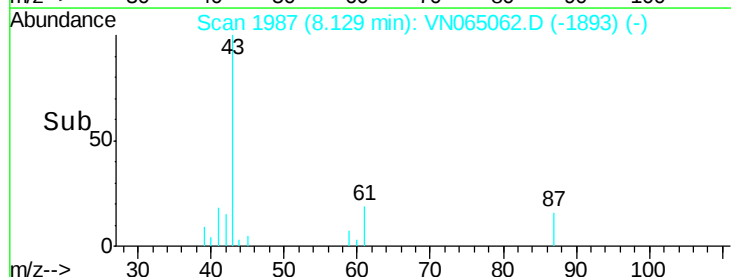
87 12.3 11.4 17.2

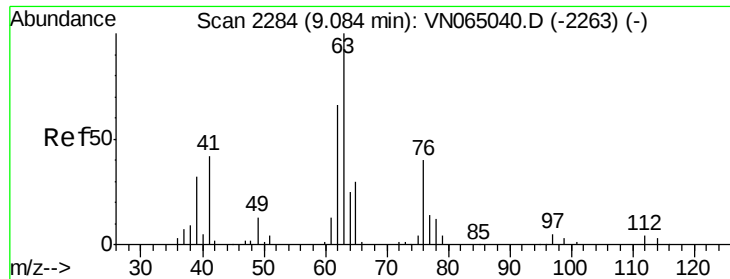


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

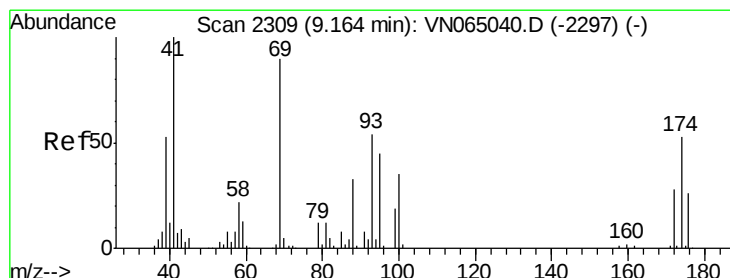
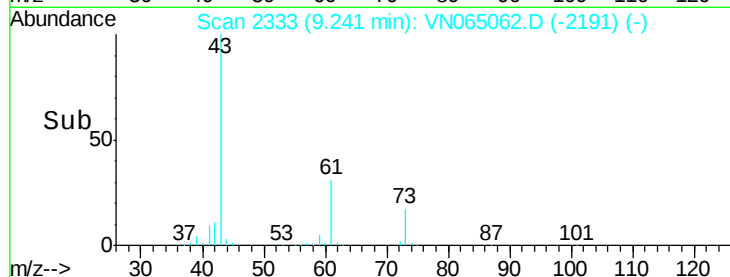
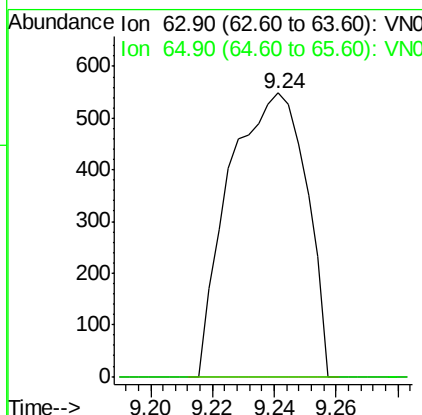
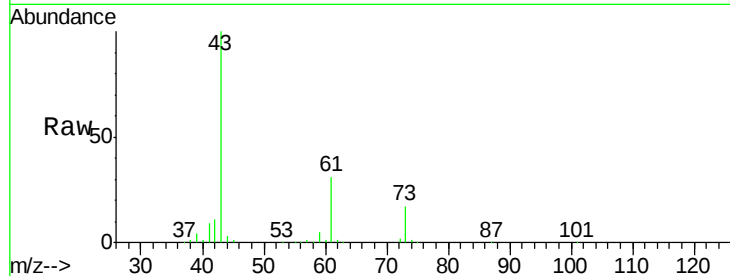




#45
 1,2-Dichloropropane
 Concen: 0.447 ug/l
 RT: 9.24 min Scan# 2333
 Delta R.T. 0.16 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

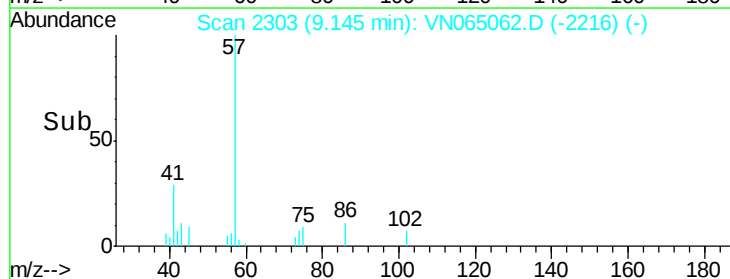
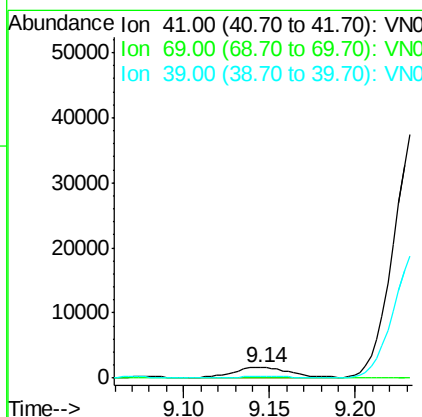
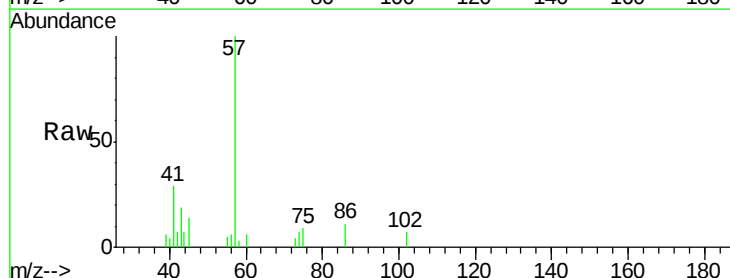
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#10

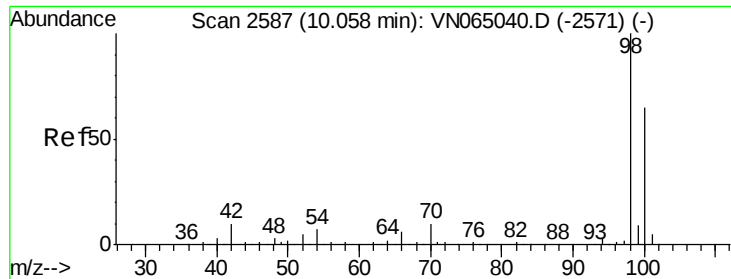
Tgt Ion: 63 Resp: 947
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.0 36.0#



#48
 Methyl methacrylate
 Concen: 2.134 ug/l
 RT: 9.14 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

Tgt Ion: 41 Resp: 3870
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.1 108.1#
 39 0.0 43.8 65.6#





#50

Toluene-d8

Concen: 50.034 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

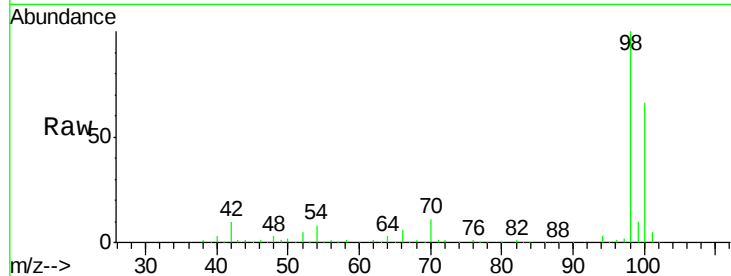
PB133501ZHE#10

Tgt Ion: 98 Resp: 376300

Ion Ratio Lower Upper

98 100

100 65.5 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

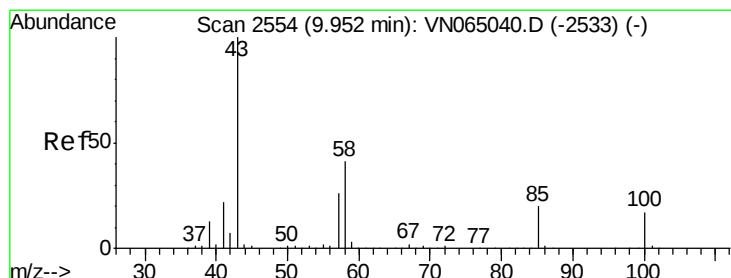
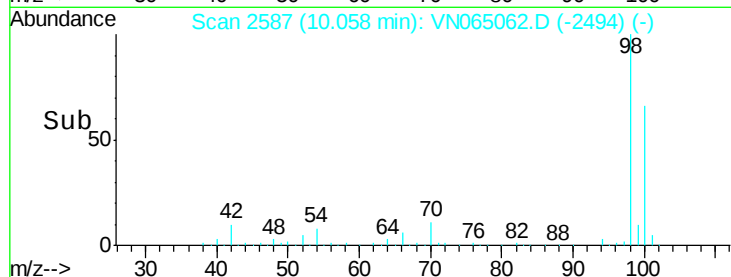
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.557 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN065062.D

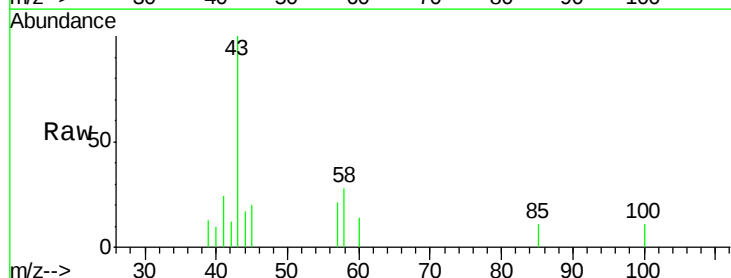
Acq: 11 Dec 2020 2:12

Tgt Ion: 43 Resp: 3555

Ion Ratio Lower Upper

43 100

58 32.0 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) (-)

9.96

6000

5000

4000

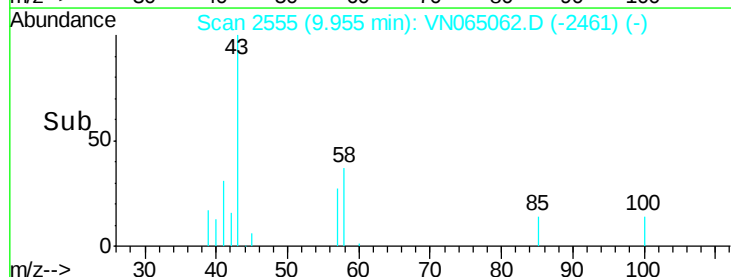
3000

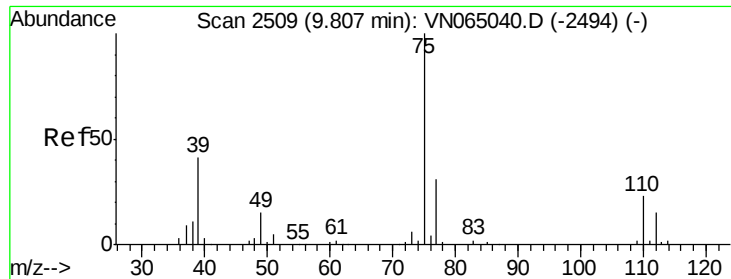
2000

1000

0

Time-->

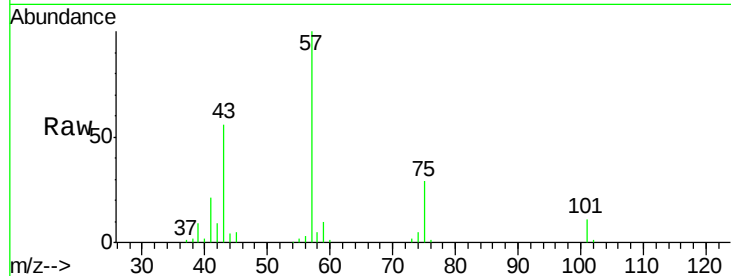




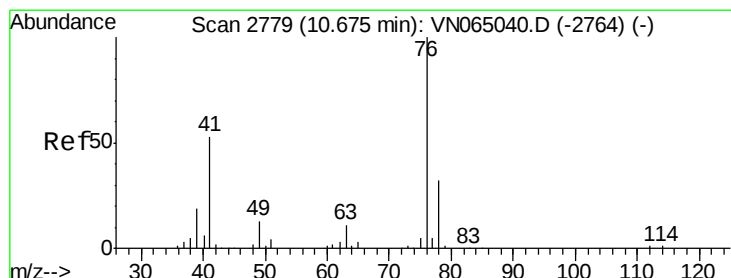
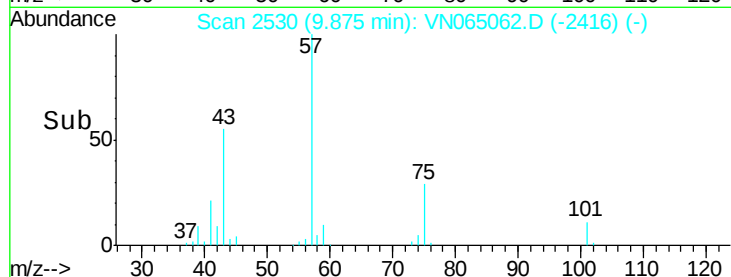
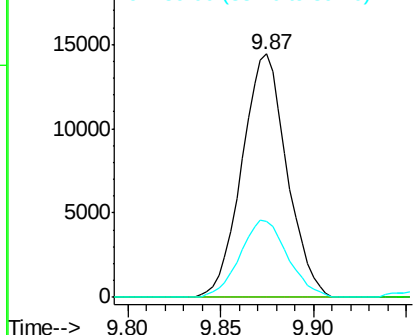
#54
 cis-1,3-Dichloropropene
 Concen: 7.271 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#10

Tgt Ion: 75 Resp: 24354
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.4 33.0 49.4#

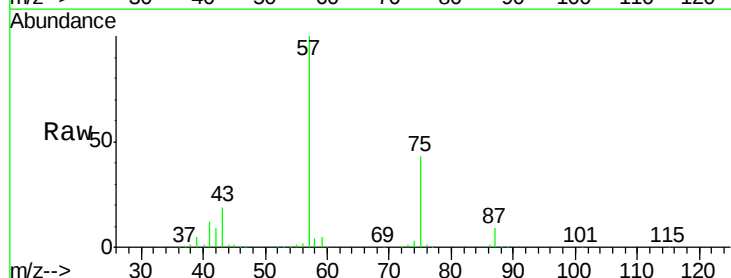


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

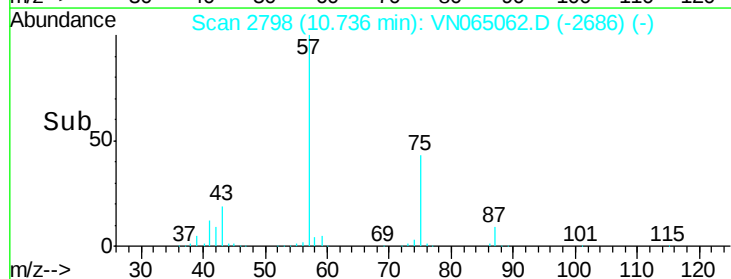
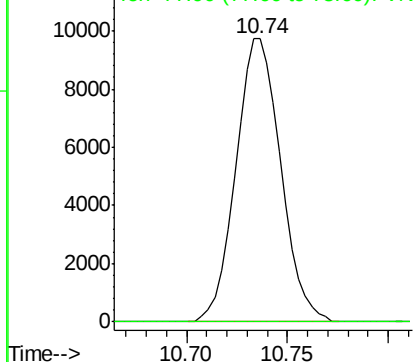


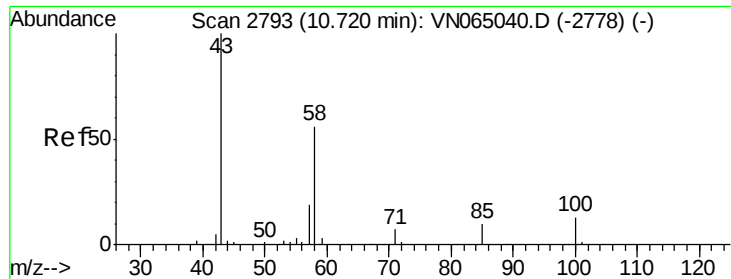
#57
 1,3-Dichloropropane
 Concen: 4.532 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN065062.D
 Acq: 11 Dec 2020 2:12

Tgt Ion: 76 Resp: 15145
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

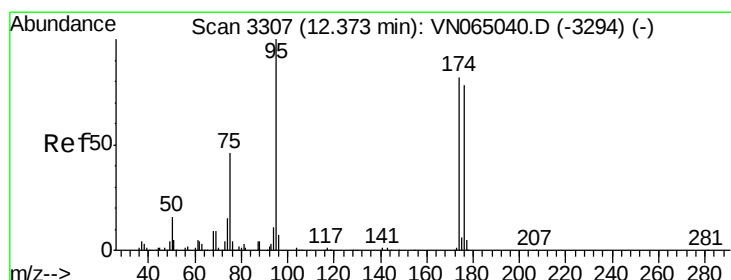
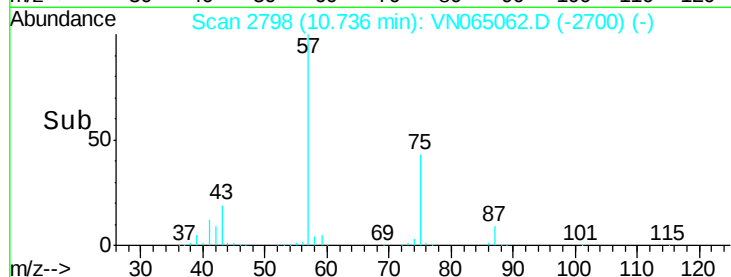
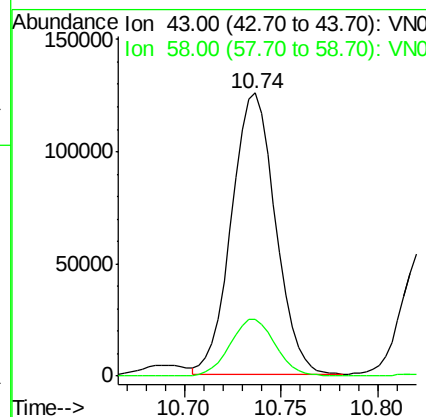
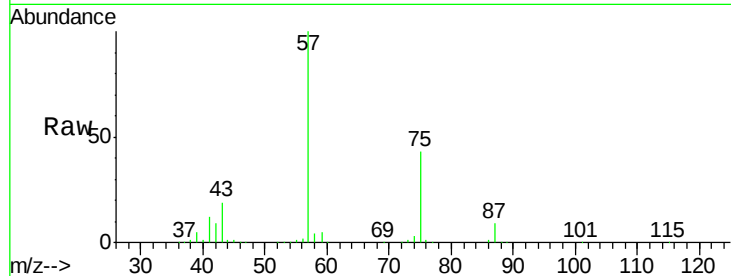




#59
2-Hexanone
Concen: 121.072 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

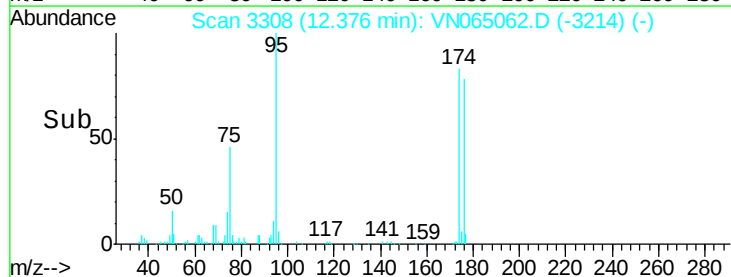
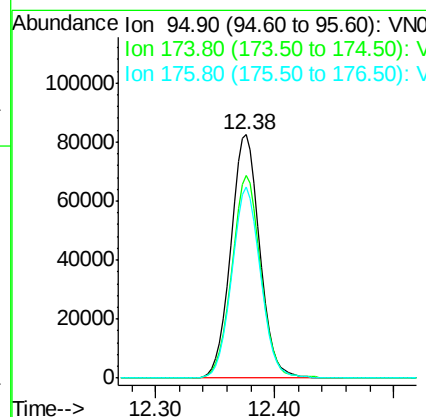
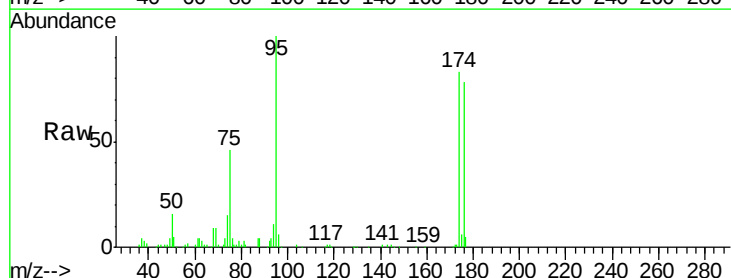
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#10

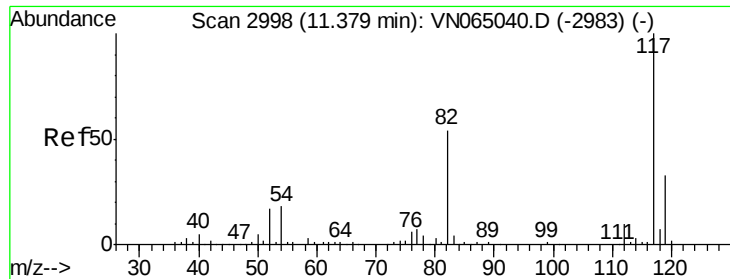
Tgt Ion: 43 Resp: 199197
Ion Ratio Lower Upper
43 100
58 20.8 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.925 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN065062.D
Acq: 11 Dec 2020 2:12

Tgt Ion: 95 Resp: 139007
Ion Ratio Lower Upper
95 100
174 83.0 0.0 164.8
176 78.0 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: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#10

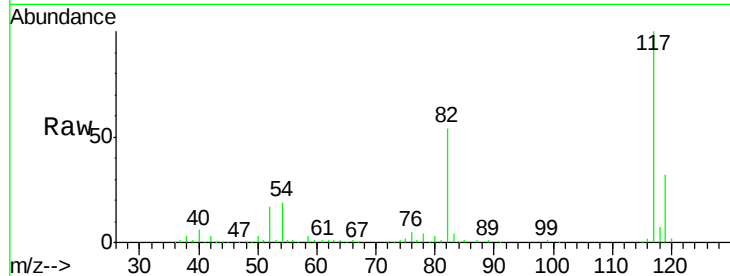
Tgt Ion:117 Resp: 316994

Ion Ratio Lower Upper

117 100

82 53.7 43.5 65.3

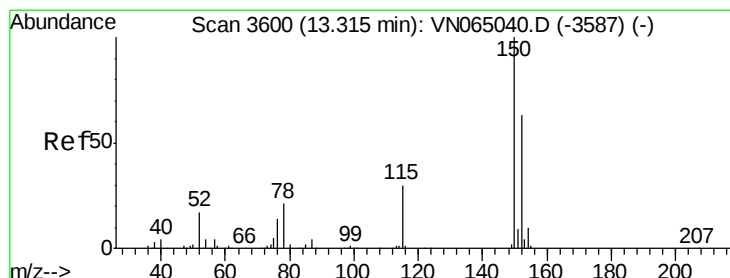
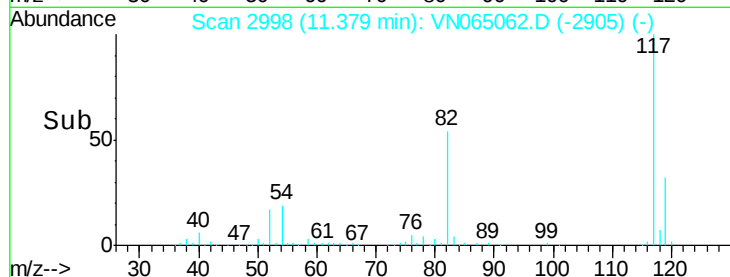
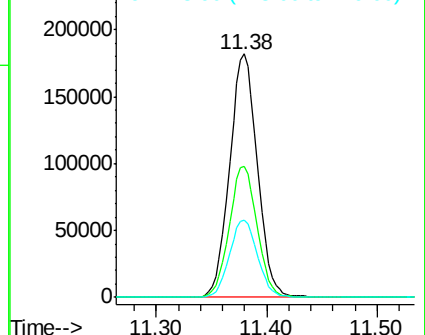
119 31.6 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN065062.D

Acq: 11 Dec 2020 2:12

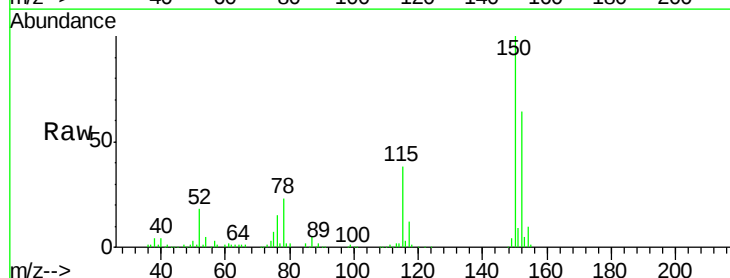
Tgt Ion:152 Resp: 127780

Ion Ratio Lower Upper

152 100

115 58.9 29.3 88.0

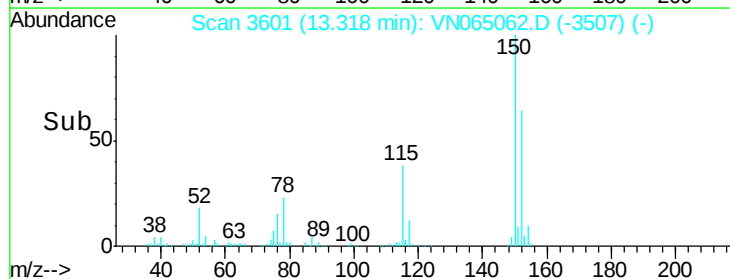
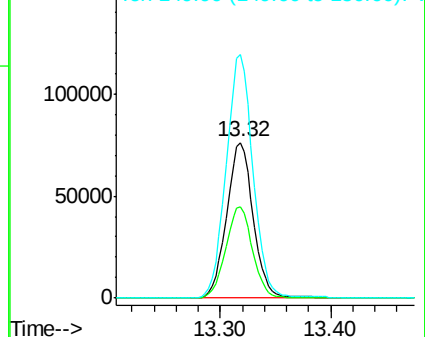
150 158.1 0.0 345.8

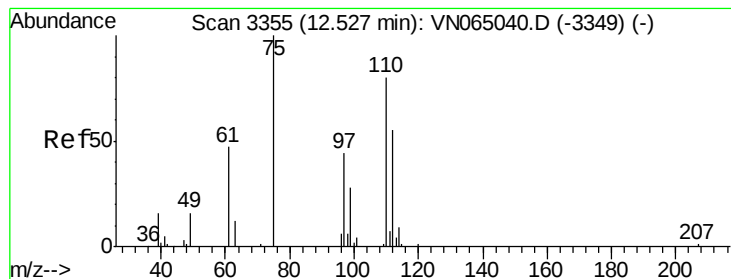


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.921 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

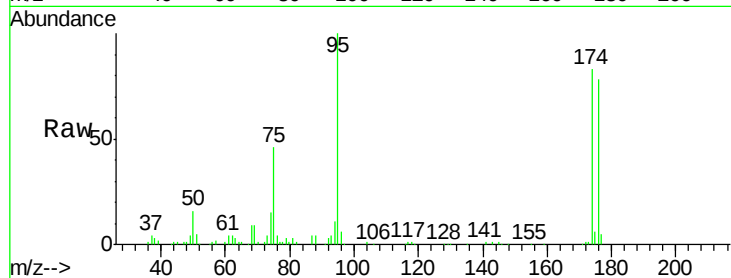
PB133501ZHE#10

Tgt Ion: 75 Resp: 64518

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN065040.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN065040.D (-3349) (-)

12.38

40000

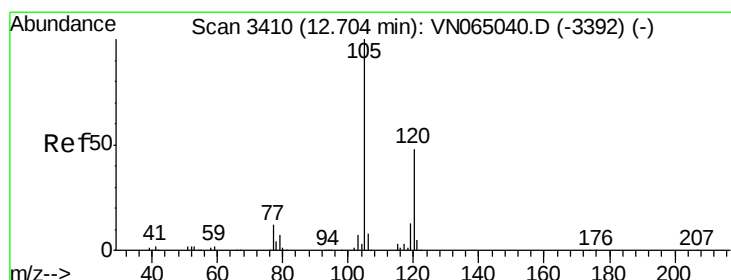
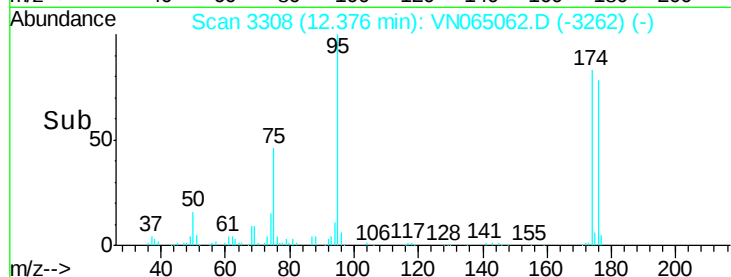
30000

20000

10000

0

Time--> 12.30 12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.457 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065062.D

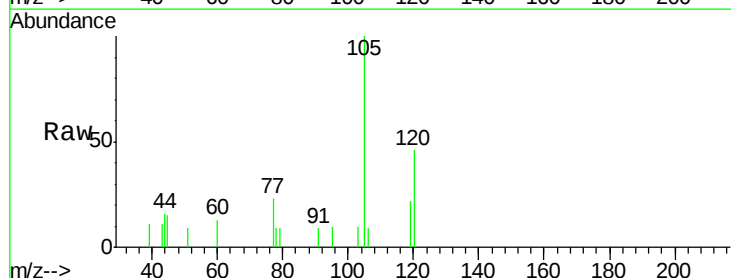
Acq: 11 Dec 2020 2:12

Tgt Ion: 105 Resp: 3268

Ion Ratio Lower Upper

105 100

120 43.5 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN065040.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN065040.D (-3392) (-)

12.71

2000

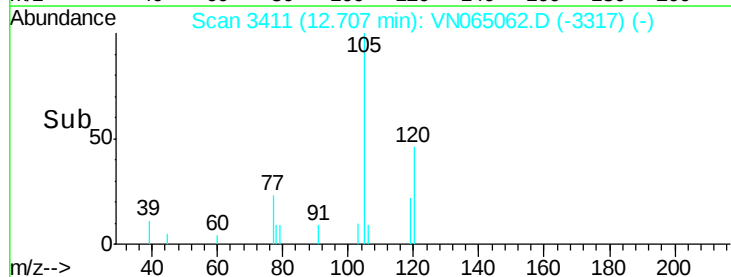
1500

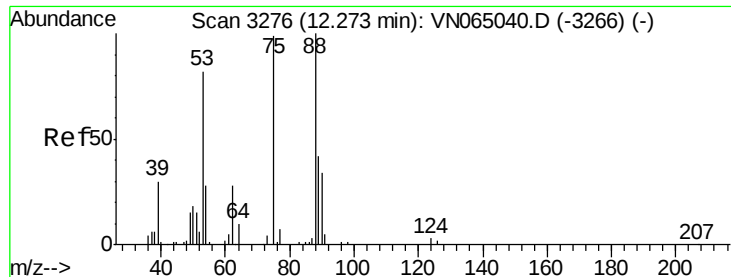
1000

500

0

Time--> 12.65 12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 73.778 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN065062.D

Acq: 11 Dec 2020 2:12

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#10

Tgt Ion: 75 Resp: 64518

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.2 54.4#

