

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
 Data File : VN065061.D
 Acq On : 11 Dec 2020 1:48
 Operator : JC/MD
 Sample : PB133501ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#09

Quant Time: Dec 11 03:48:54 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	171910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	343037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138695	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	110784	54.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	108.26%		
35) Dibromofluoromethane	7.55	113	102303	48.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.02%		
50) Toluene-d8	10.06	98	412664	50.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.96%		
62) 4-Bromofluorobenzene	12.38	95	151465	54.05	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.10%		

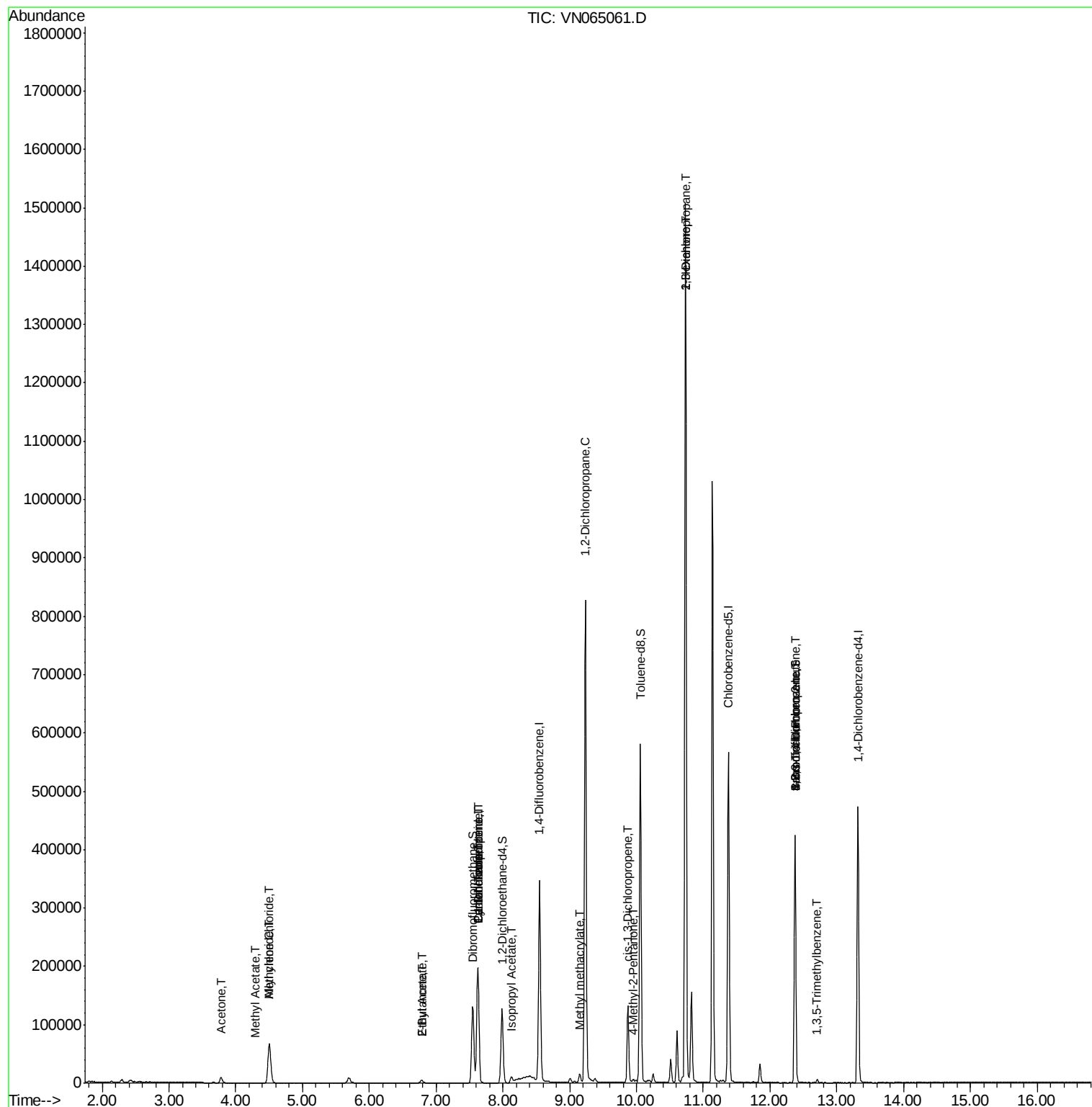
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	30	Below Cal	#	42
14) Allyl chloride	4.50	41	1205	0.502	ug/l #	27
16) Acetone	3.78	43	16386	22.572	ug/l	97
18) Methyl Acetate	4.30	43	911	0.498	ug/l #	50
20) Methylene Chloride	4.50	84	54046	29.224	ug/l	97
25) 2-Butanone	6.80	43	1980	1.978	ug/l	96
31) Cyclohexane	7.63	56	3147	2.687	ug/l #	16
36) 1,1-Dichloropropene	7.62	75	12323	4.485	ug/l #	46
37) Ethyl Acetate	6.80	43	1980	0.793	ug/l #	67
38) Carbon Tetrachloride	7.62	117	15489	5.306	ug/l #	15
43) Isopropyl Acetate	8.13	43	15430	3.716	ug/l	92
45) 1,2-Dichloropropane	9.23	63	864	0.375	ug/l #	45
48) Methyl methacrylate	9.15	41	3420	1.735	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	3409	1.373	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	24021	6.597	ug/l #	68
57) 1,3-Dichloropropane	10.73	76	15451	4.254	ug/l #	42
59) 2-Hexanone	10.73	43	204506	114.346	ug/l #	50
71) Bromoform	12.38	173	1258	0.613	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	73037	27.034	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3360	0.433	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	73037	76.947	ug/l #	15

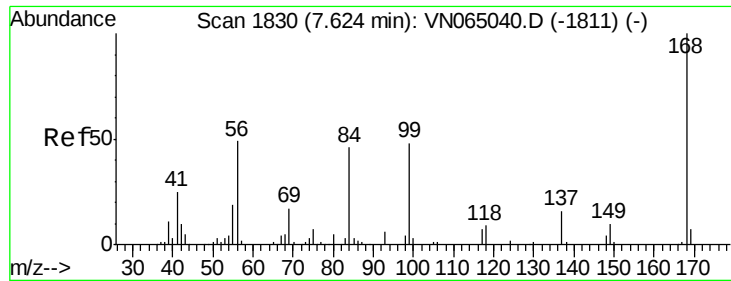
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121020\
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Sample : PB133501ZHE#09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 11 03:48:54 2020
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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: VN065061.D

Acq: 11 Dec 2020 1:48

Instrument :

MSVOA_N

ClientSampleId :

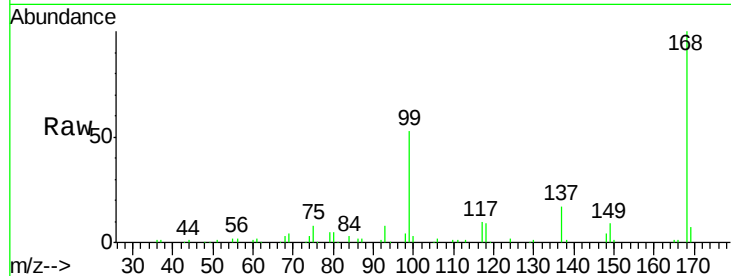
PB133501ZHE#09

Tgt Ion:168 Resp: 171910

Ion Ratio Lower Upper

168 100

99 52.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

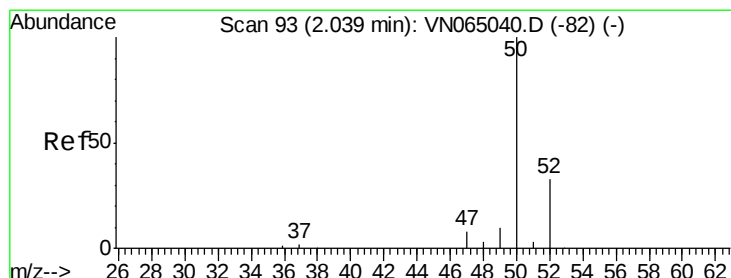
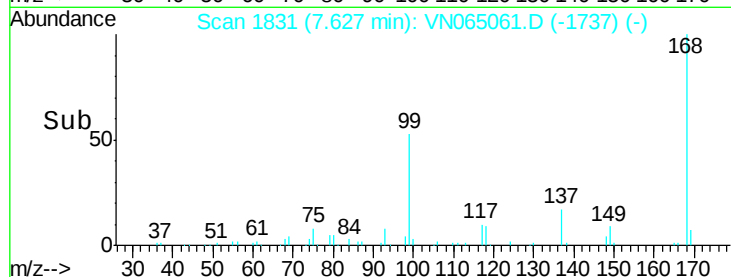
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065061.D

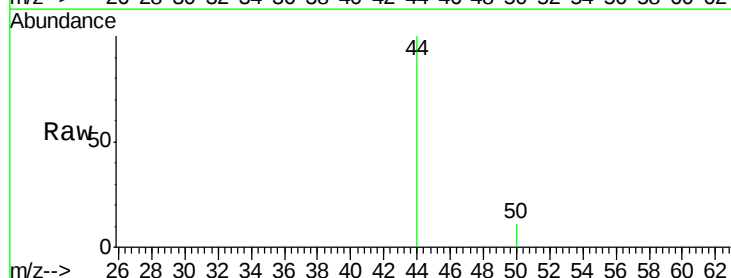
Acq: 11 Dec 2020 1:48

Tgt Ion: 50 Resp: 30

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

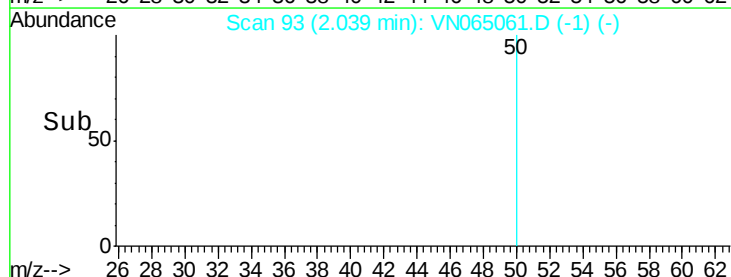
150

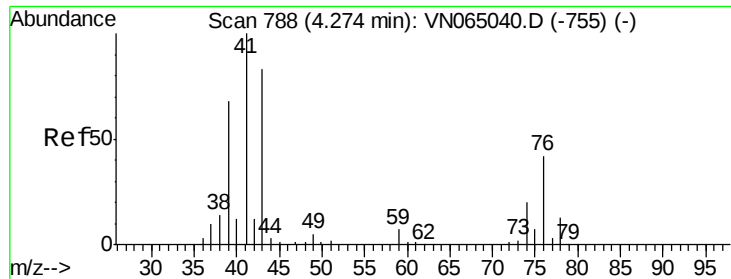
100

50

0

Time--> 2.03 2.04 2.04 2.05

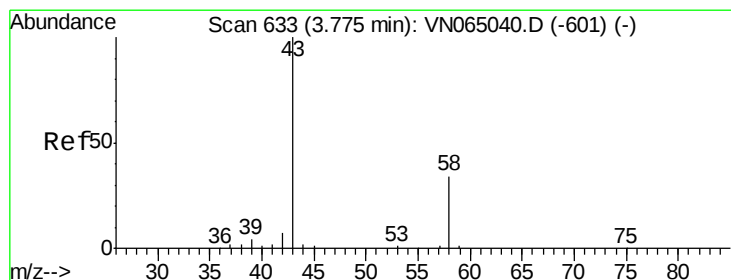
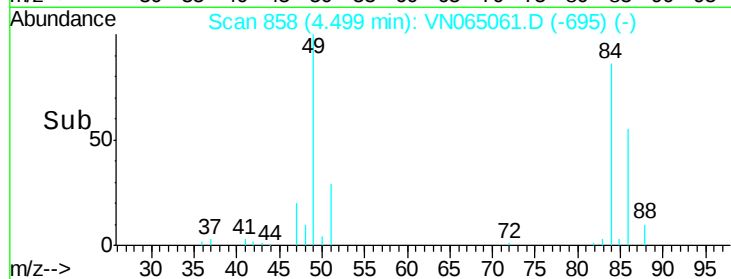
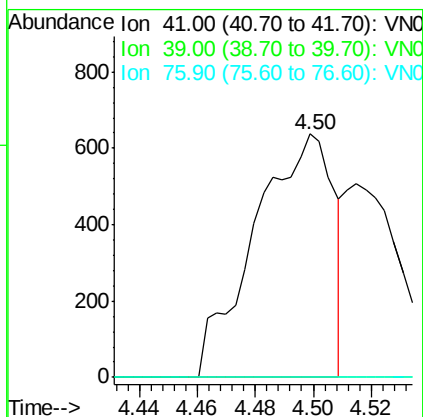
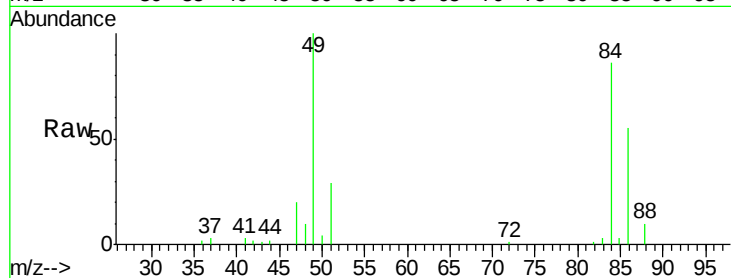




#14
 Allyl chloride
 Concen: 0.502 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. 0.23 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

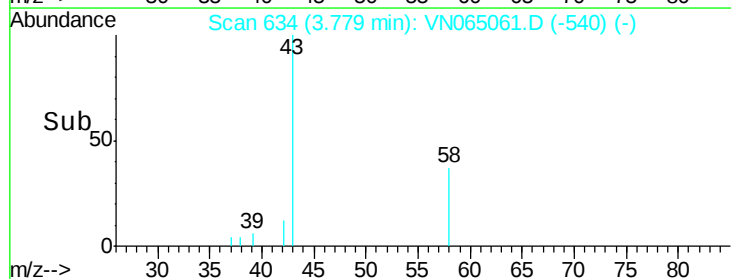
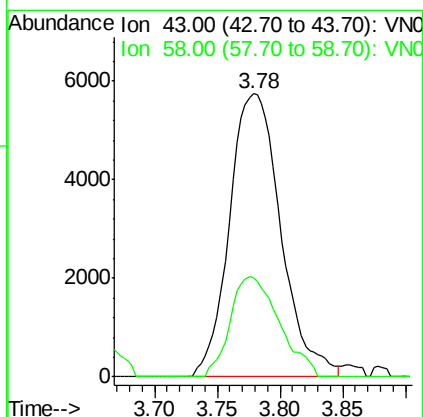
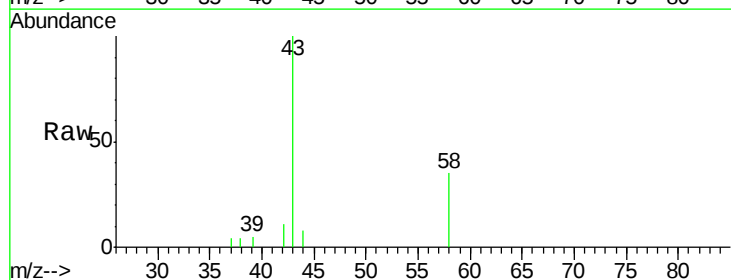
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#09

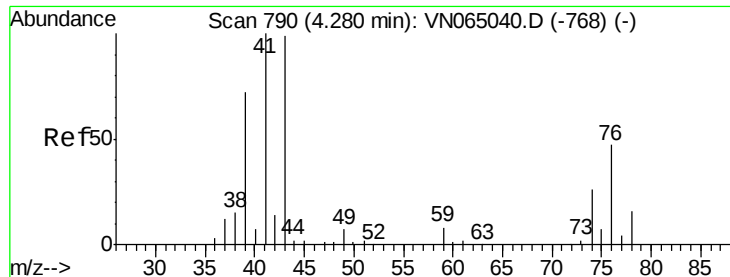
Tgt Ion: 41 Resp: 1205
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.0 73.6#
 76 0.0 29.6 44.4#



#16
 Acetone
 Concen: 22.572 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

Tgt Ion: 43 Resp: 16386
 Ion Ratio Lower Upper
 43 100
 58 35.2 26.8 40.2

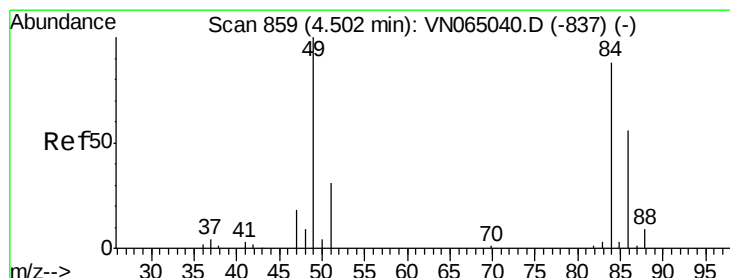
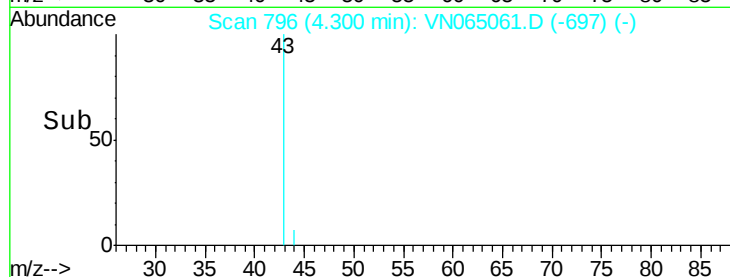
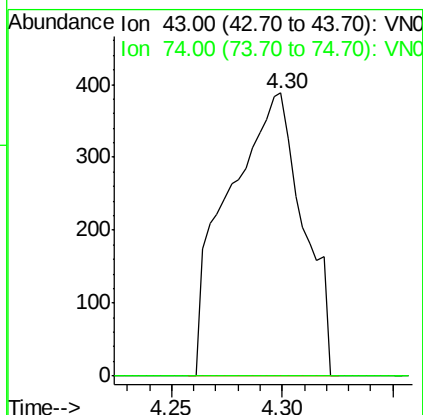
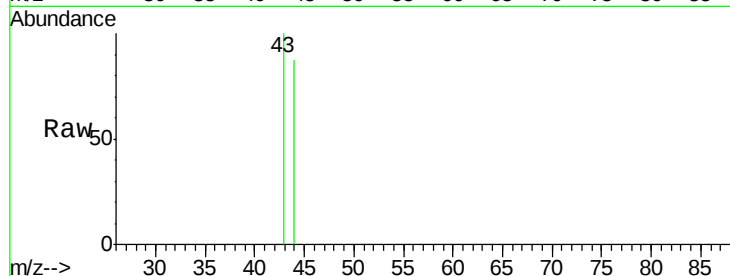




#18
Methyl Acetate
Concen: 0.498 ug/l
RT: 4.30 min Scan# 796
Delta R.T. 0.02 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

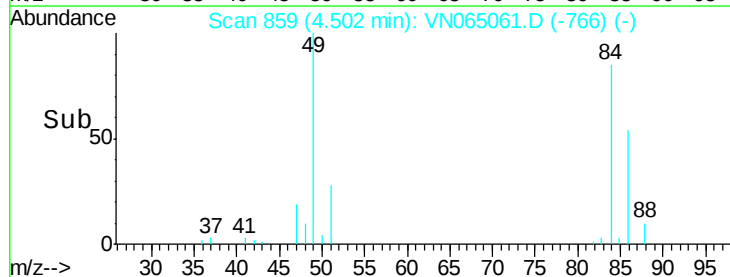
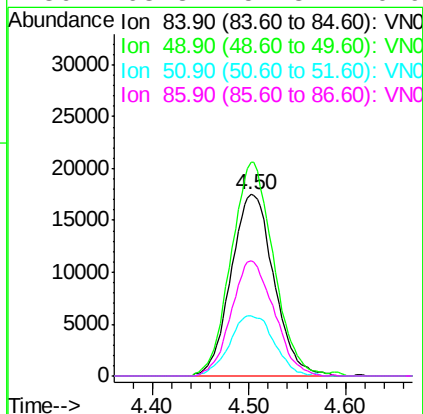
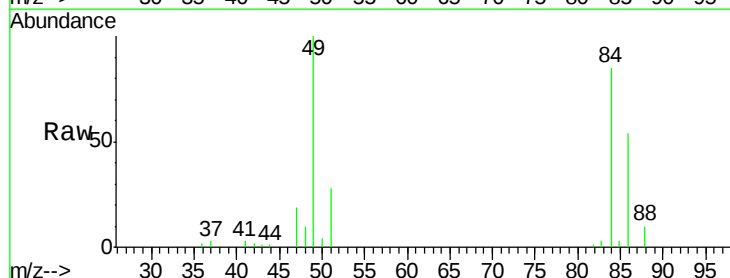
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#09

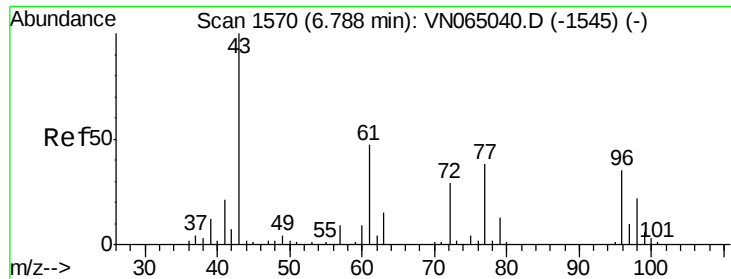
Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 29.224 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion: 84 Resp: 54046
Ion Ratio Lower Upper
84 100
49 117.7 90.8 136.2
51 33.5 28.1 42.1
86 63.3 51.3 76.9

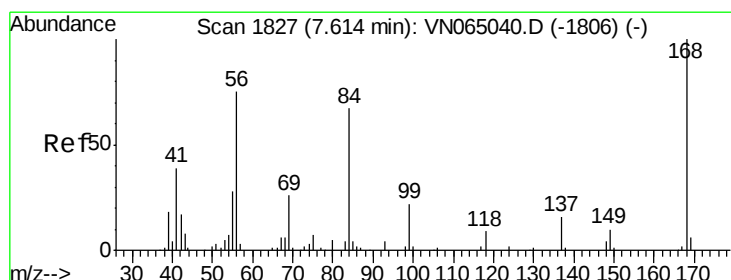
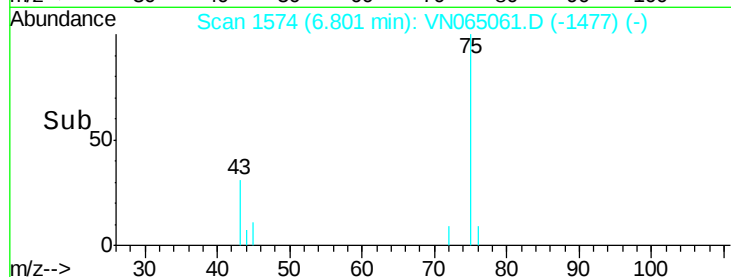
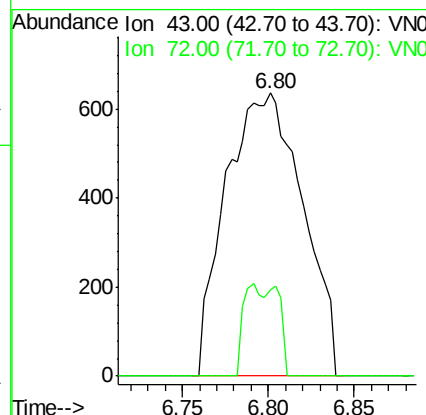
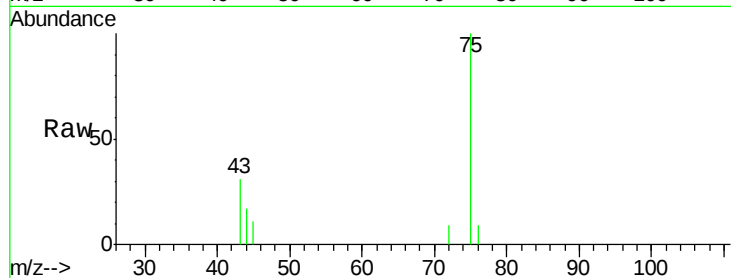




#25
2-Butanone
Concen: 1.978 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

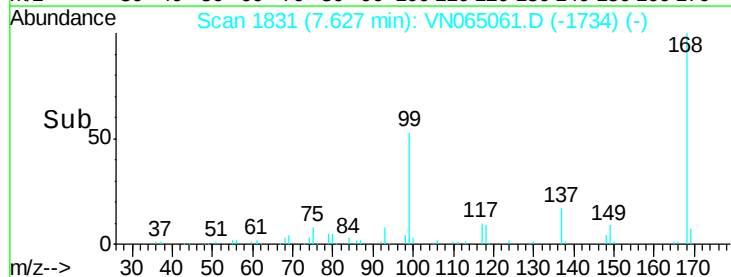
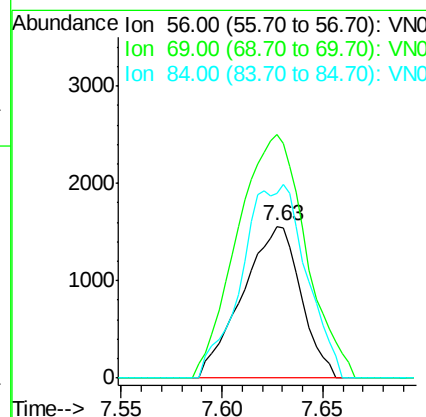
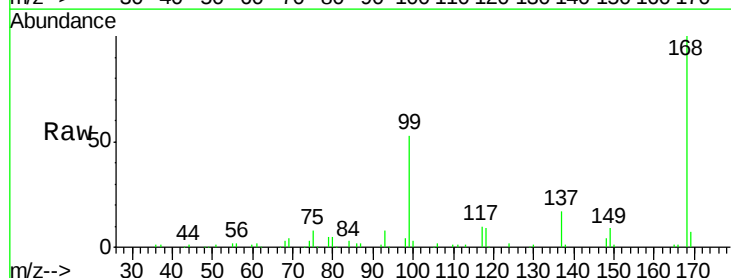
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#09

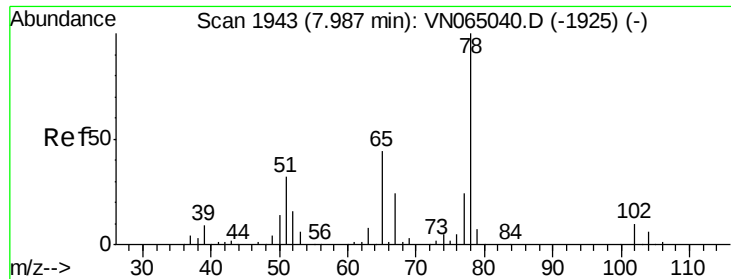
Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
72 30.5 22.9 34.3



#31
Cyclohexane
Concen: 2.687 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion: 56 Resp: 3147
Ion Ratio Lower Upper
56 100
69 160.6 27.5 41.3#
84 121.9 72.4 108.6#





#33

1,2-Dichloroethane-d4

Concen: 54.127 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN065061.D

Acq: 11 Dec 2020 1:48

Instrument :

MSVOA_N

ClientSampleId :

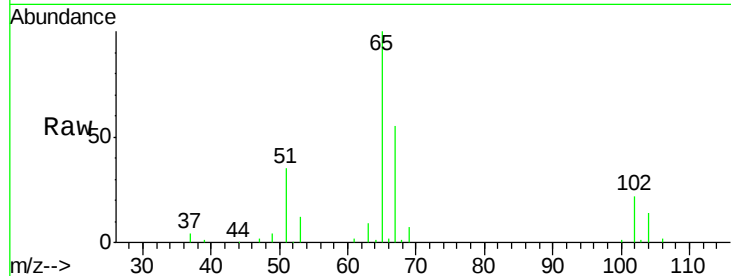
PB133501ZHE#09

Tgt Ion: 65 Resp: 110784

Ion Ratio Lower Upper

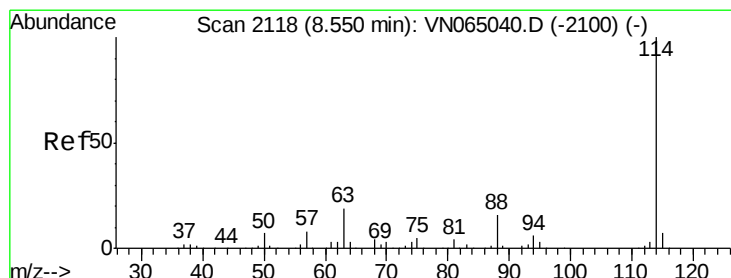
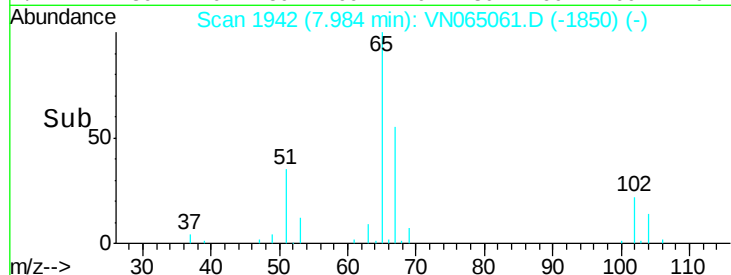
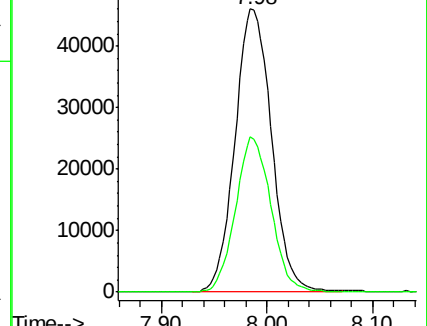
65 100

67 53.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN065040.D

Ion 66.90 (66.60 to 67.60): VN065040.D



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN065061.D

Acq: 11 Dec 2020 1:48

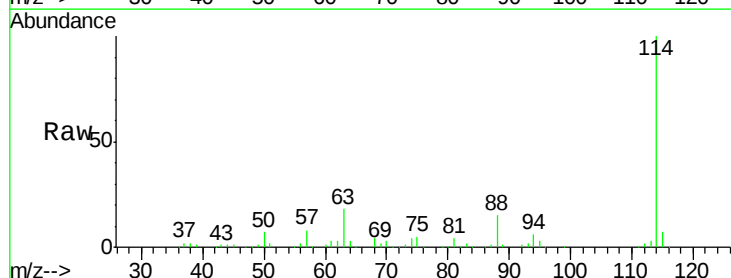
Tgt Ion: 114 Resp: 322114

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.2

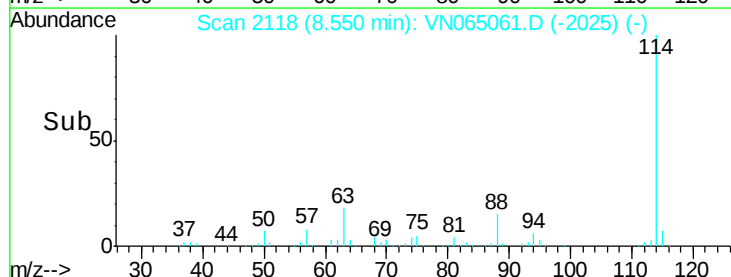
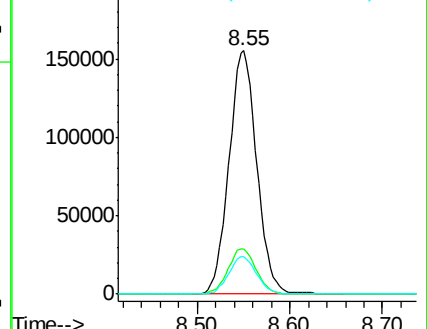
88 15.4 0.0 31.6

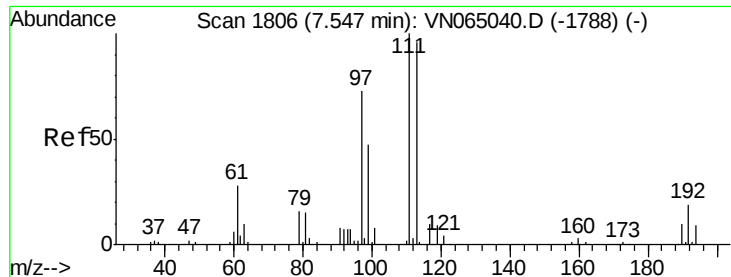


Abundance Ion 113.90 (113.60 to 114.60): VN065040.D

Ion 63.00 (62.70 to 63.70): VN065040.D

Ion 87.90 (87.60 to 88.60): VN065040.D

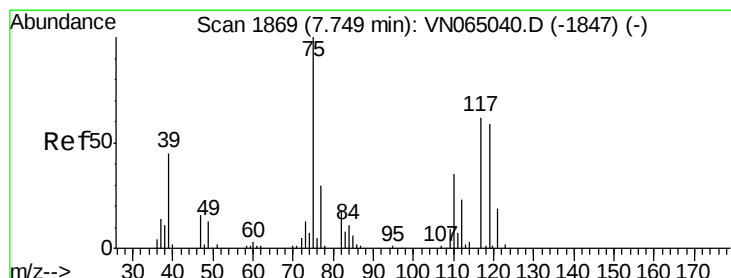
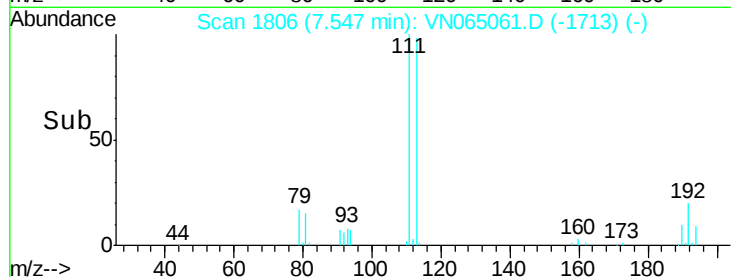
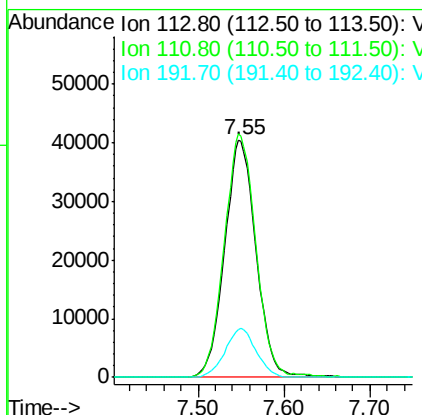
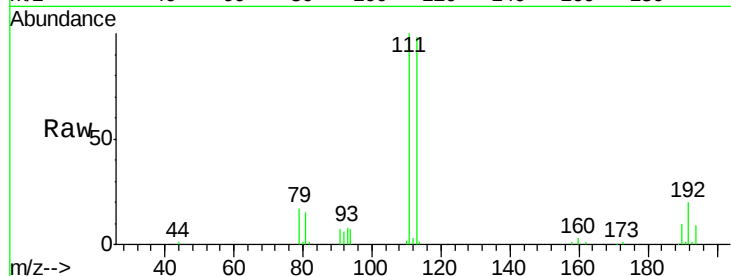




#35
Dibromofluoromethane
Concen: 48.007 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

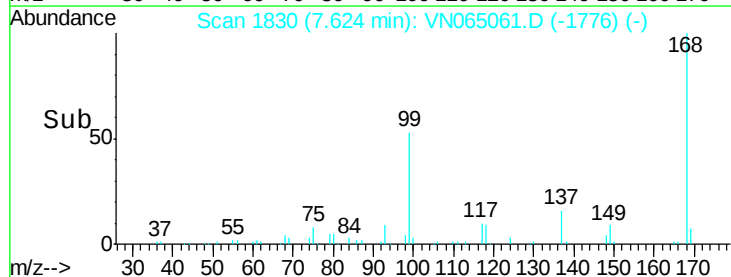
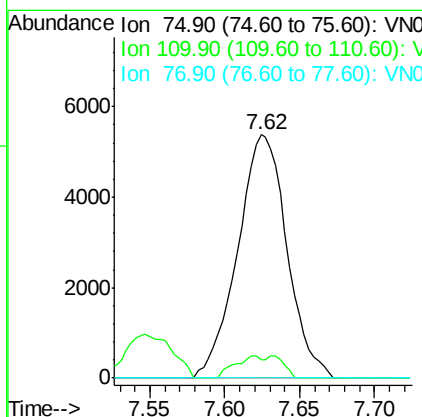
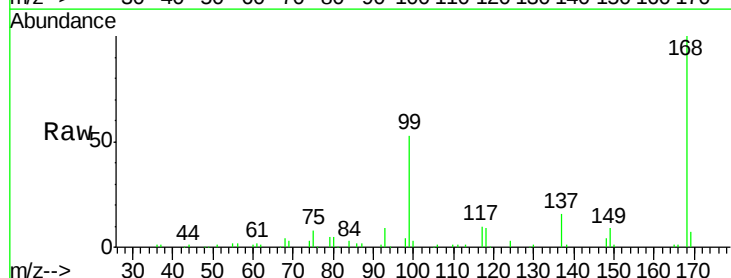
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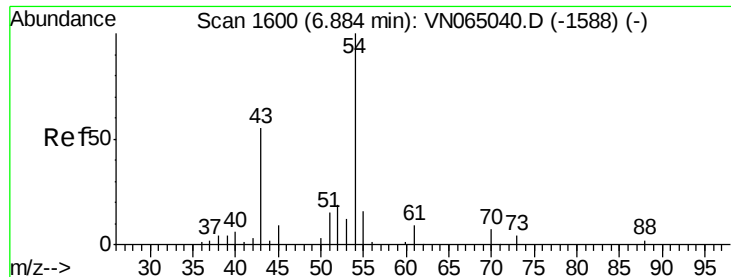
Tgt Ion: 113 Resp: 102303
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.0
192 20.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion: 75 Resp: 12323
Ion Ratio Lower Upper
75 100
110 5.6 18.1 54.1#
77 0.0 24.5 36.7#

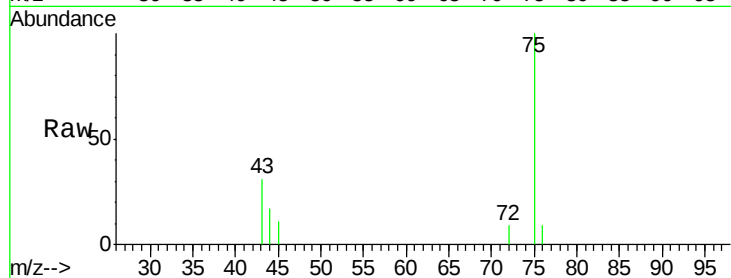




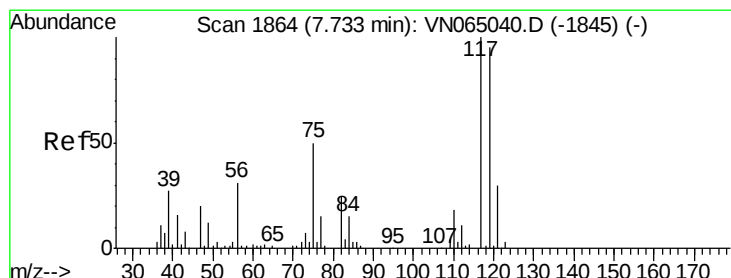
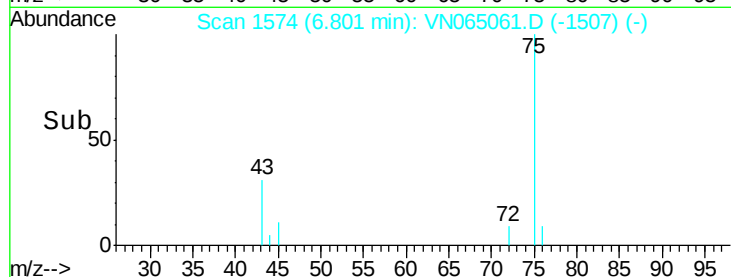
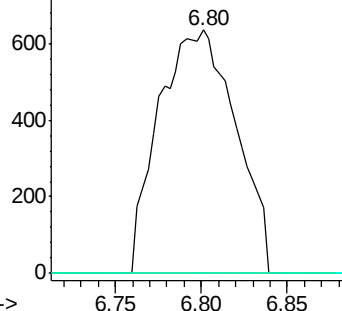
#37
 Ethyl Acetate
 Concen: 0.793 ug/l
 RT: 6.80 min Scan# 1574
 Delta R.T. -0.08 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#09

Tgt Ion: 43 Resp: 1980
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 9.2 13.8#

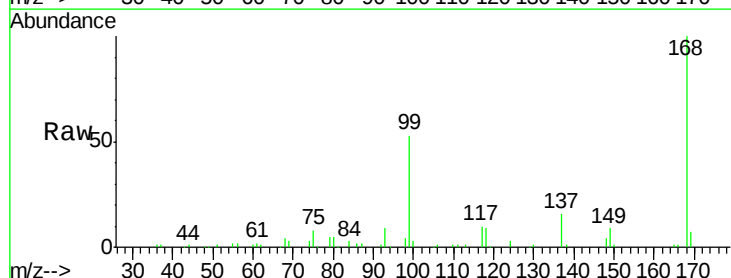


Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-1588) (-)
 Ion 60.90 (60.60 to 61.60): VN065040.D (-1588) (-)
 Ion 70.00 (69.70 to 70.70): VN065040.D (-1588) (-)

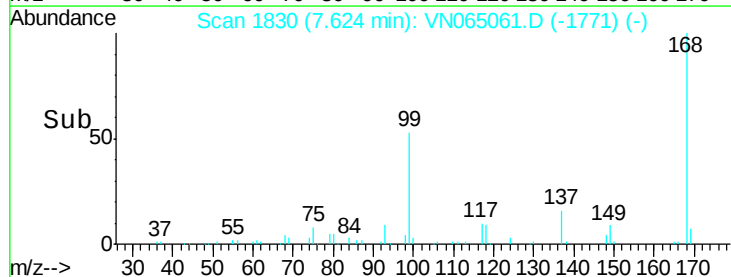
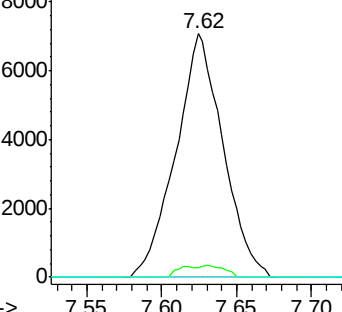


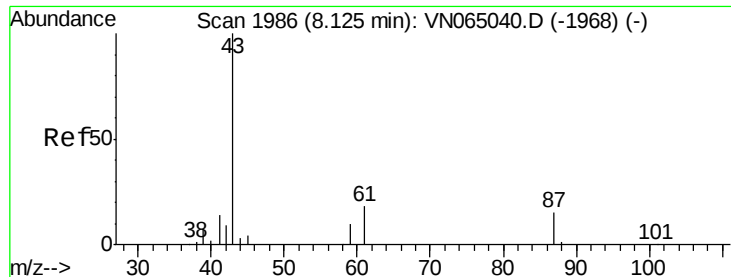
#38
 Carbon Tetrachloride
 Concen: 5.306 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

Tgt Ion: 117 Resp: 15489
 Ion Ratio Lower Upper
 117 100
 119 3.8 75.9 113.9#
 121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): VN065040.D (-1845) (-)
 Ion 118.80 (118.50 to 119.50): VN065040.D (-1845) (-)
 Ion 120.80 (120.50 to 121.50): VN065040.D (-1845) (-)

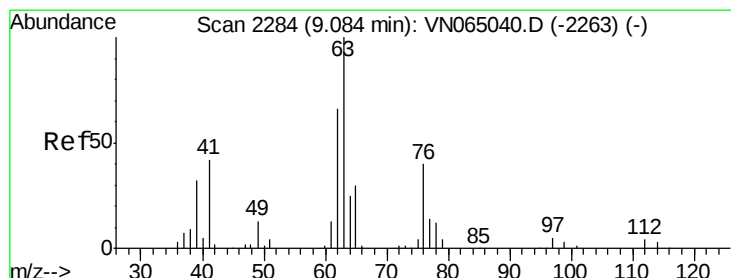
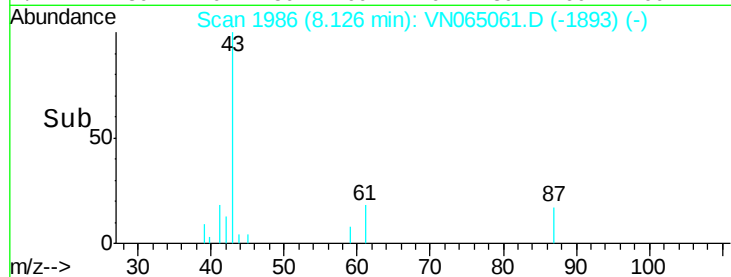
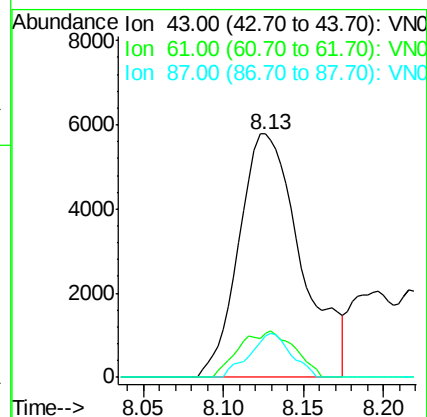
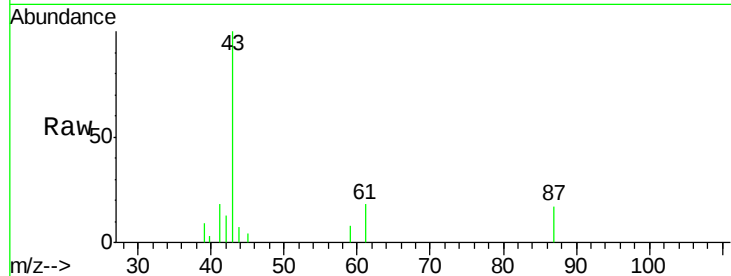




#43
Isopropyl Acetate
Concen: 3.716 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

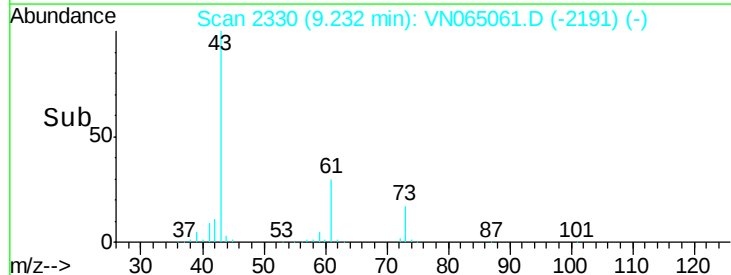
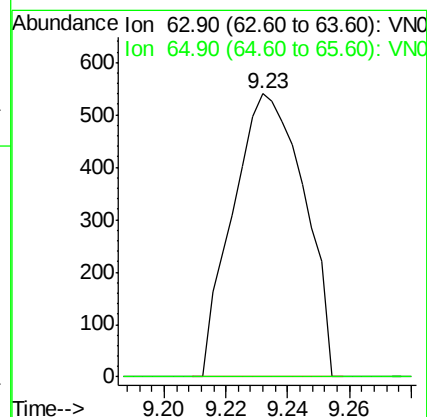
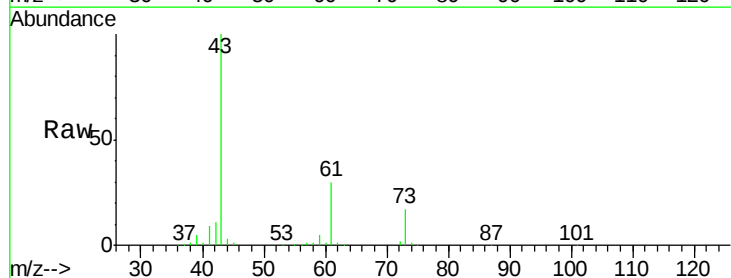
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#09

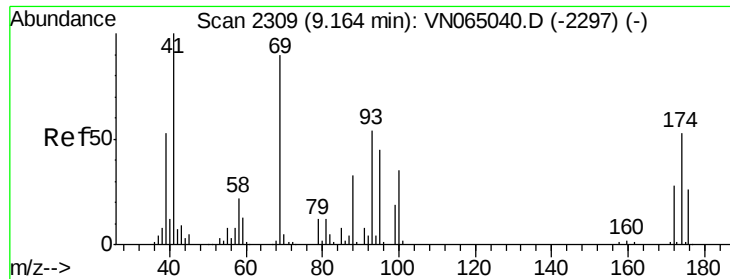
Tgt Ion: 43 Resp: 15430
Ion Ratio Lower Upper
43 100
61 16.9 16.9 25.3
87 12.0 11.4 17.2



#45
1,2-Dichloropropane
Concen: 0.375 ug/l
RT: 9.23 min Scan# 2330
Delta R.T. 0.15 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion: 63 Resp: 864
Ion Ratio Lower Upper
63 100
65 0.0 24.0 36.0#

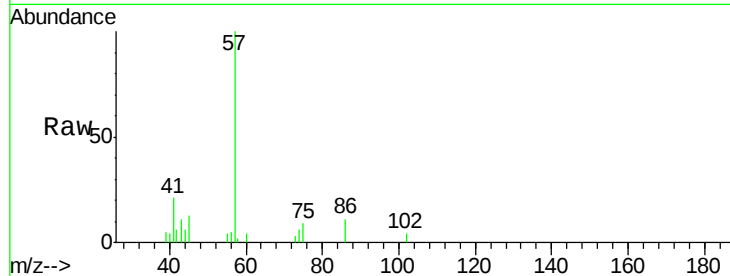




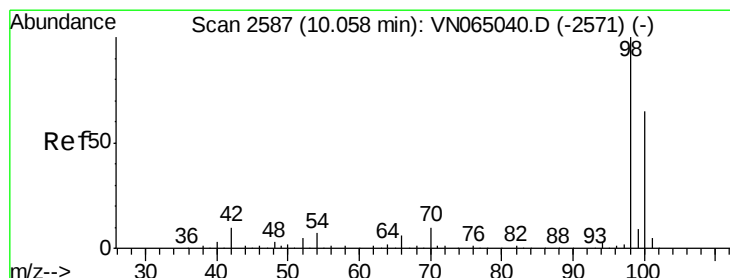
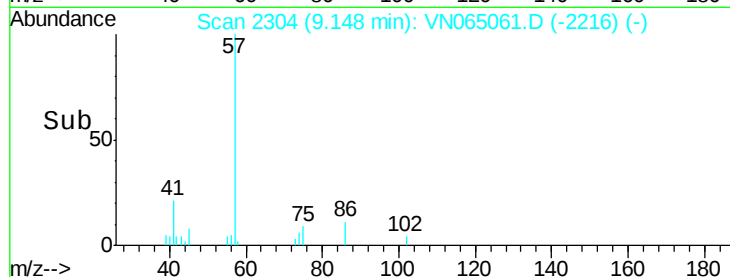
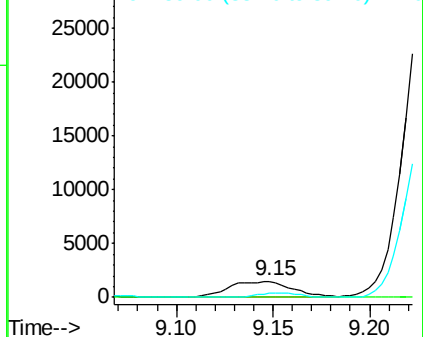
#48
Methyl methacrylate
Concen: 1.735 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#09

Tgt Ion: 41 Resp: 3420
Ion Ratio Lower Upper
41 100
69 0.0 72.1 108.1#
39 0.0 43.8 65.6#

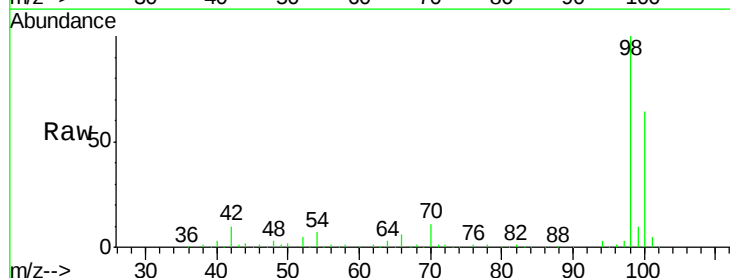


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

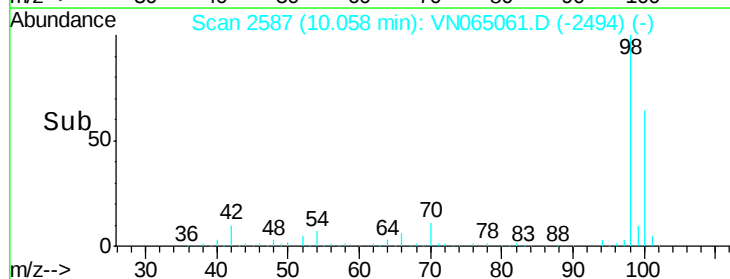
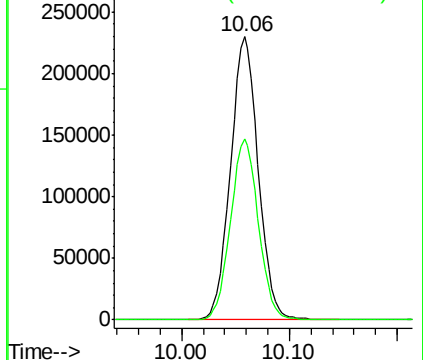


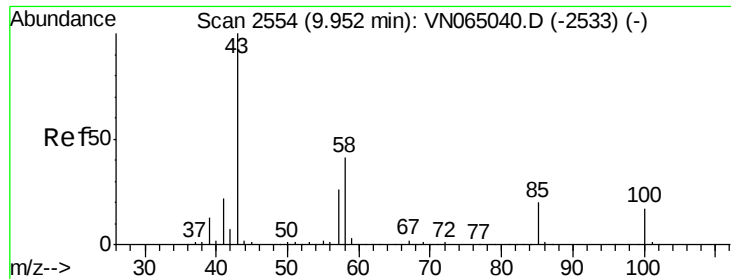
#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion: 98 Resp: 412664
Ion Ratio Lower Upper
98 100
100 64.2 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: 1.373 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN065061.D

Acq: 11 Dec 2020 1:48

Instrument :

MSVOA_N

ClientSampleId :

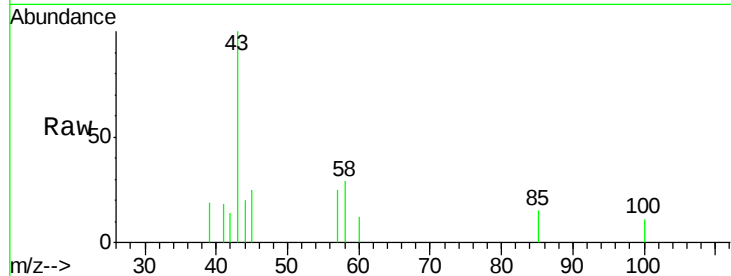
PB133501ZHE#09

Tgt Ion: 43 Resp: 3409

Ion Ratio Lower Upper

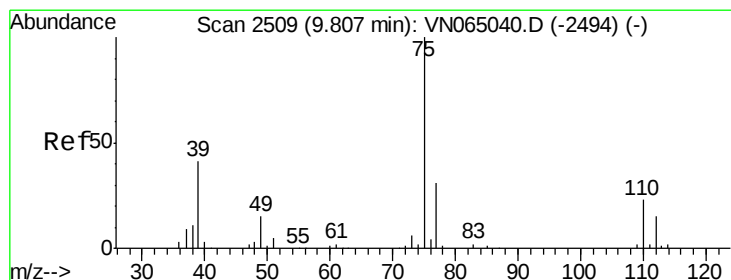
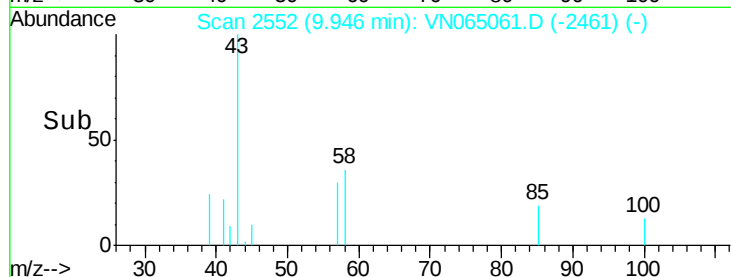
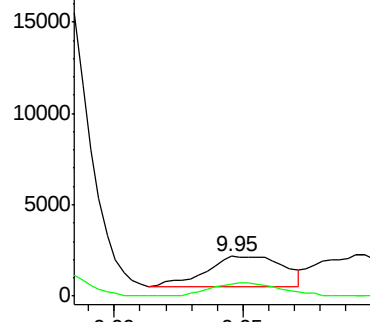
43 100

58 39.7 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.597 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN065061.D

Acq: 11 Dec 2020 1:48

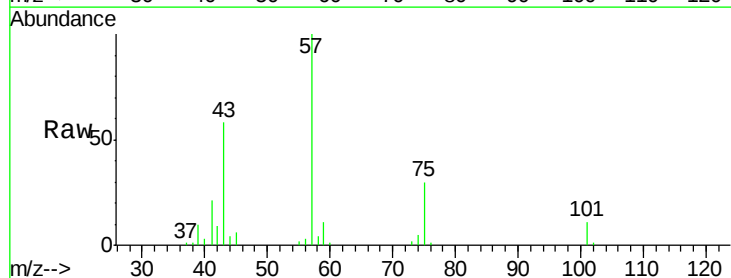
Tgt Ion: 75 Resp: 24021

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

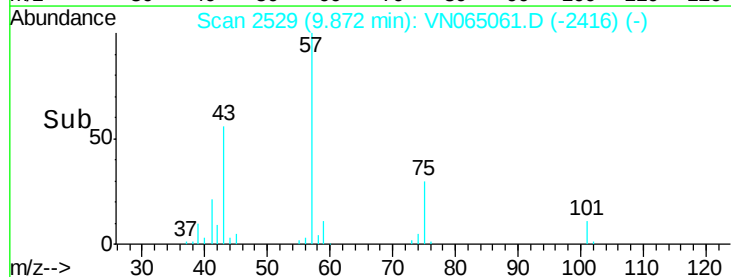
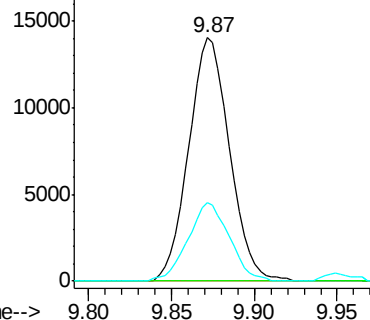
39 32.5 33.0 49.4#

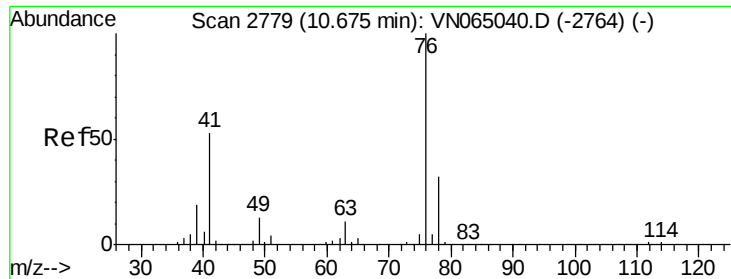


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

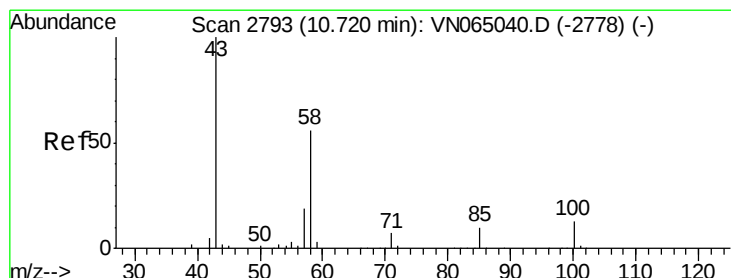
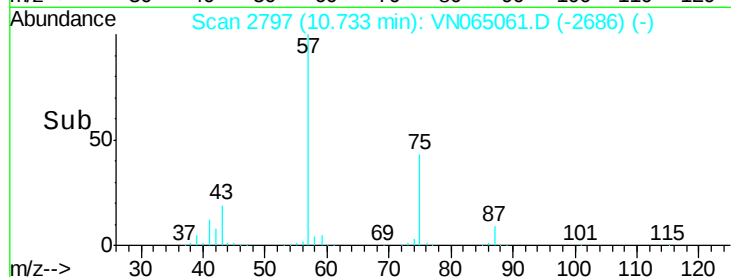
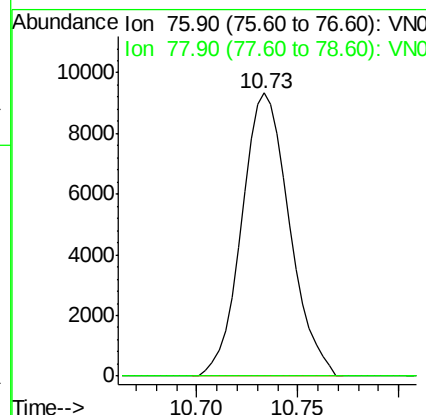
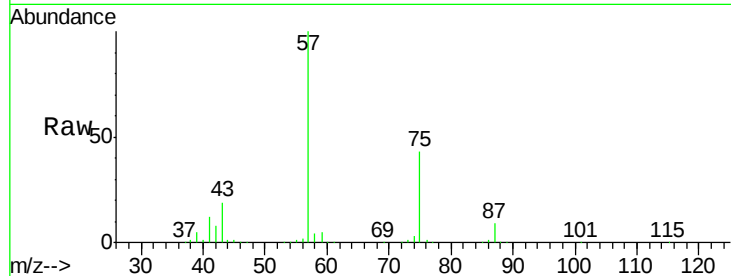




#57
 1,3-Dichloropropane
 Concen: 4.254 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

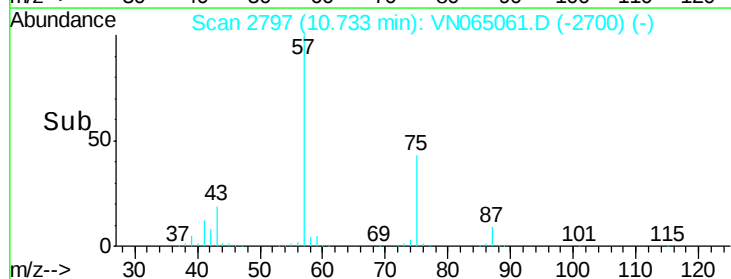
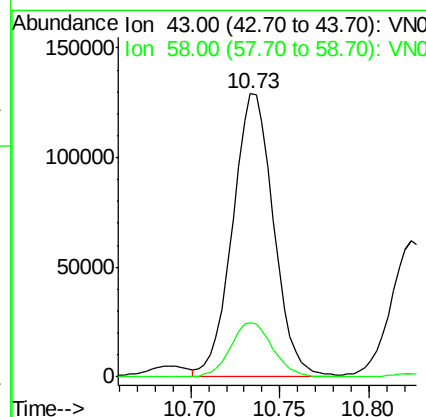
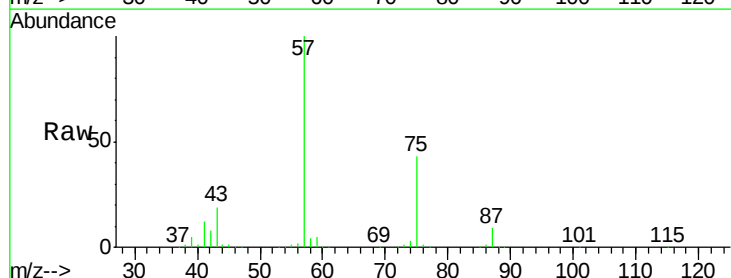
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#09

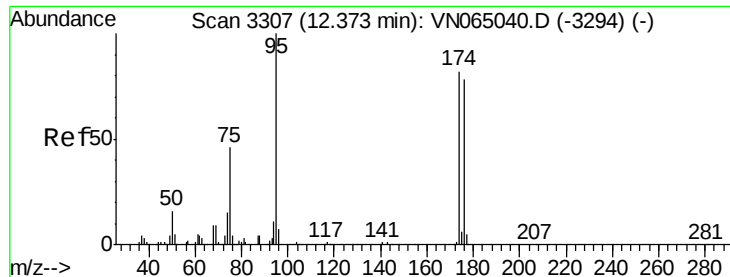
Tgt Ion: 76 Resp: 15451
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.5 39.7#



#59
 2-Hexanone
 Concen: 114.346 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

Tgt Ion: 43 Resp: 204506
 Ion Ratio Lower Upper
 43 100
 58 19.9 28.3 84.9#

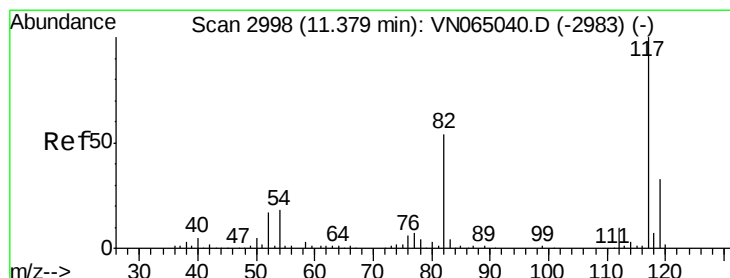
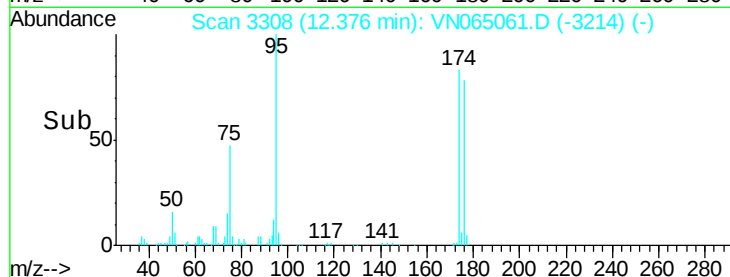
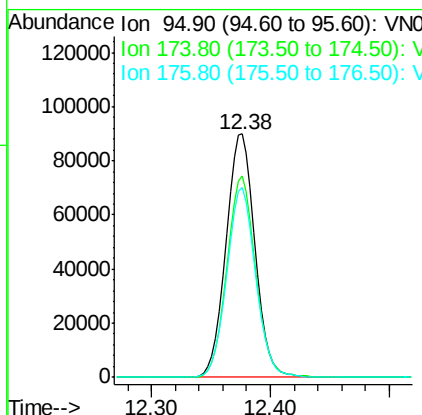
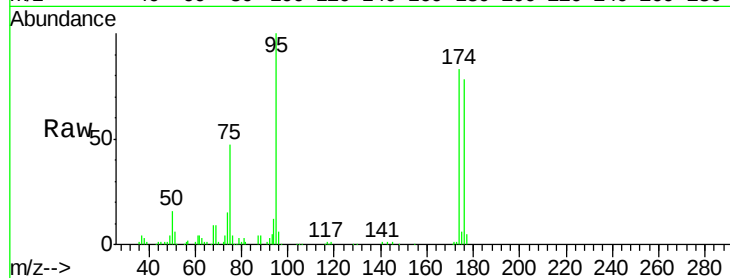




#62
4-Bromofluorobenzene
Concen: 54.053 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

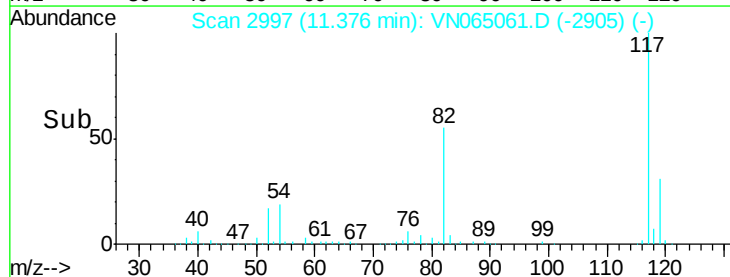
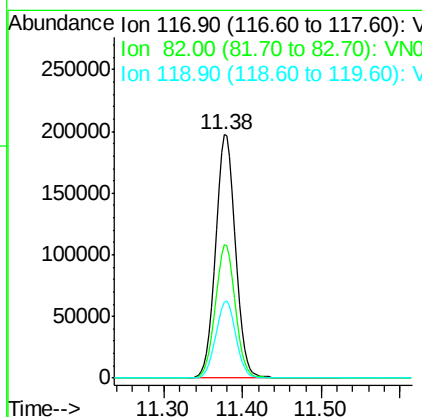
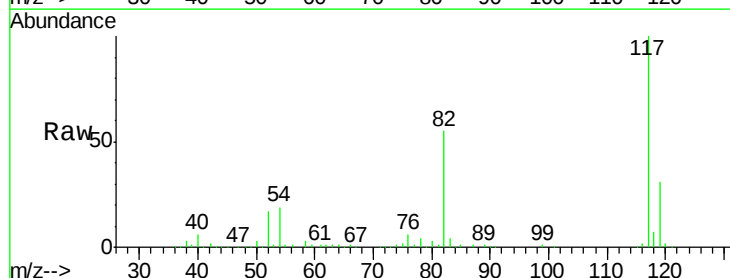
Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#09

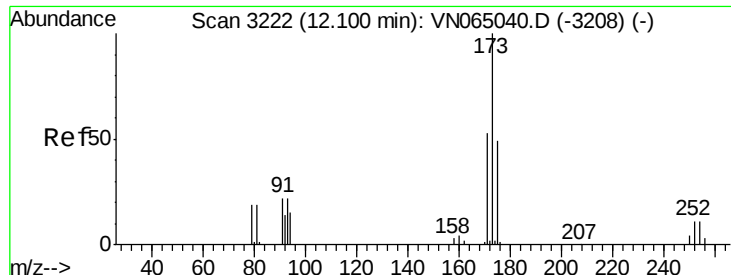
Tgt Ion	Resp	Lower	Upper
95	151465		
174	82.0	0.0	164.8
176	77.9	0.0	158.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion	Resp	Lower	Upper
117	343037		
82	54.9	43.5	65.3
119	31.4	26.4	39.6

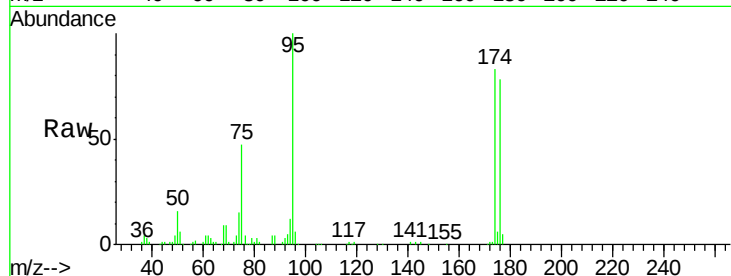




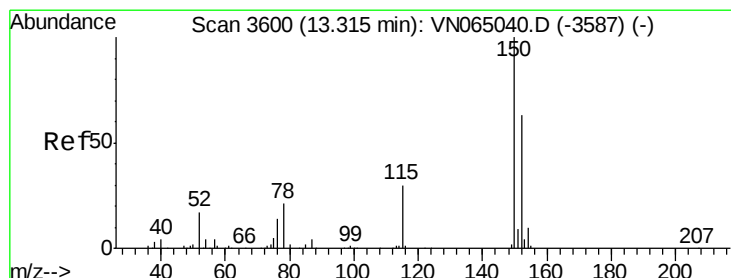
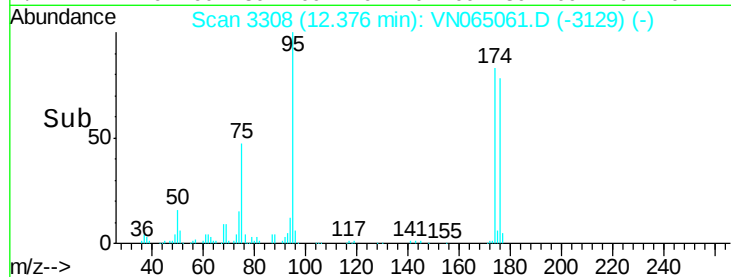
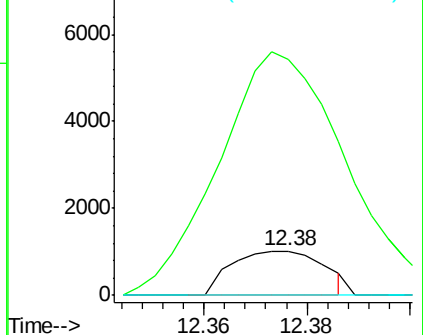
#71
Bromoform
Concen: 0.613 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB133501ZHE#09

Tgt Ion:173 Resp: 1258
Ion Ratio Lower Upper
173 100
175 643.6 24.5 73.5#
254 0.0 0.0 0.0

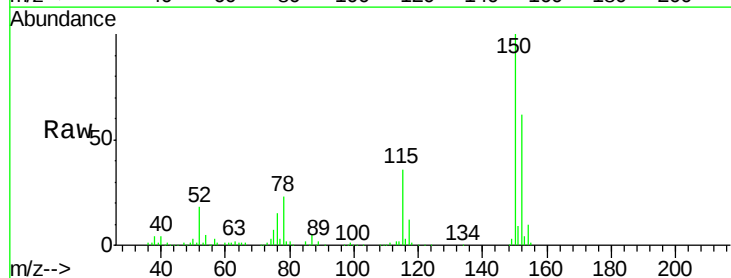


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

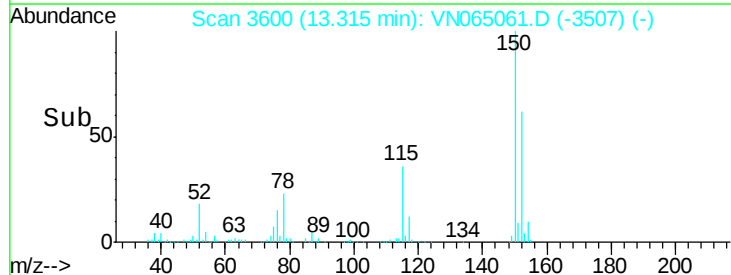
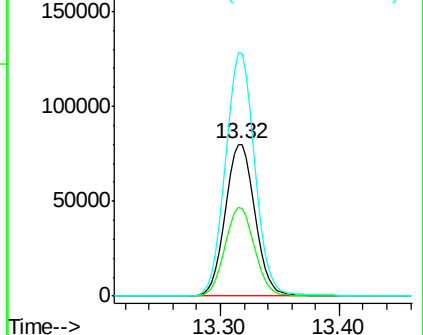


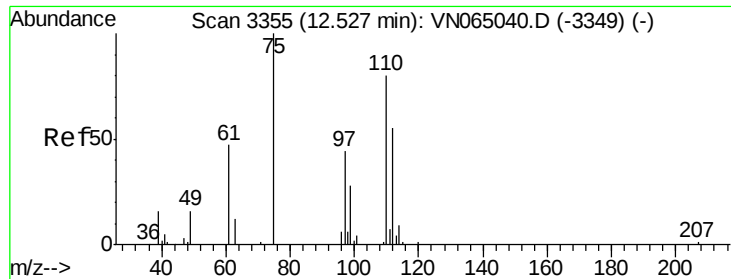
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065061.D
Acq: 11 Dec 2020 1:48

Tgt Ion:152 Resp: 138695
Ion Ratio Lower Upper
152 100
115 58.0 29.3 88.0
150 157.9 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

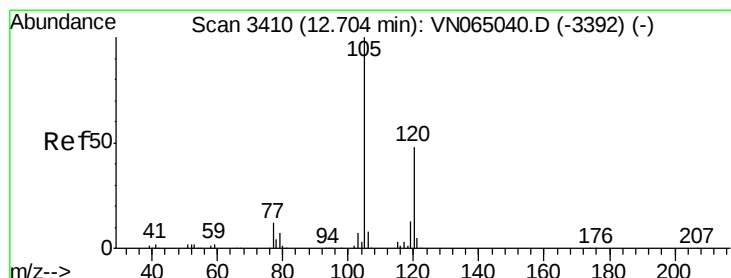
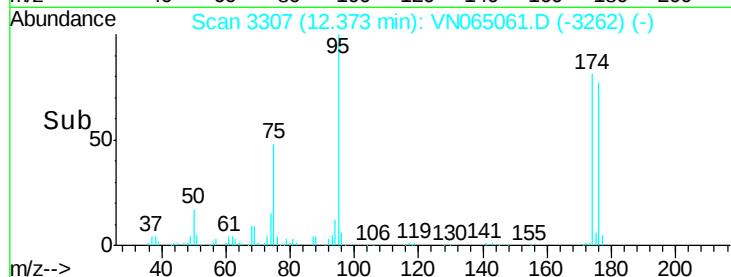
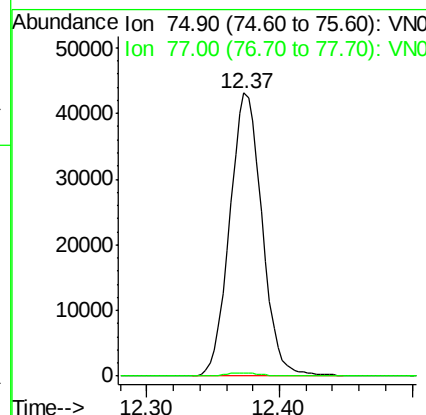
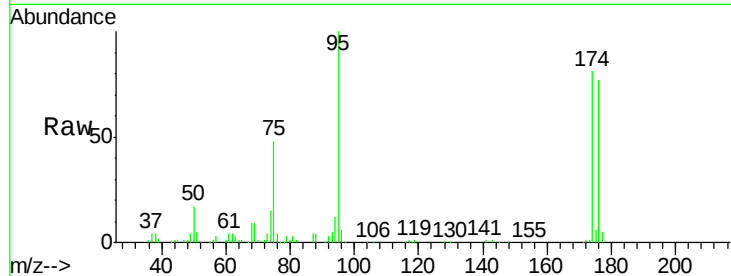




#76
 1,2,3-Trichloropropane
 Concen: 27.034 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

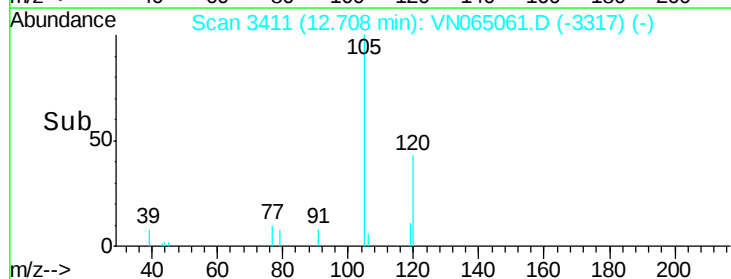
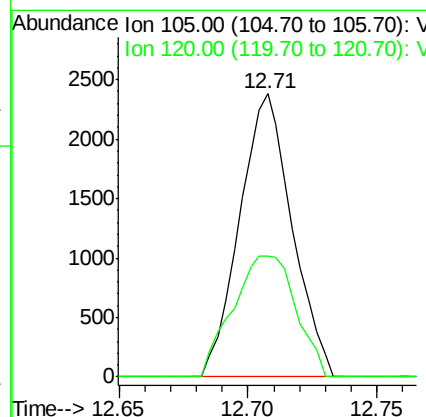
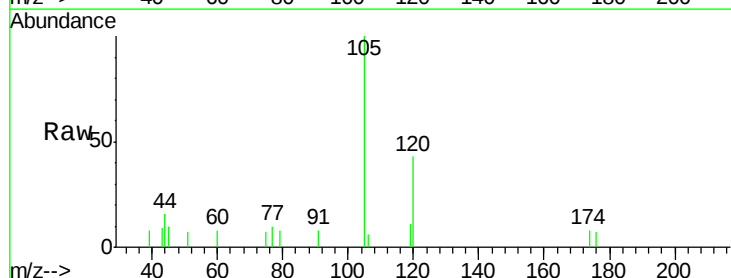
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133501ZHE#09

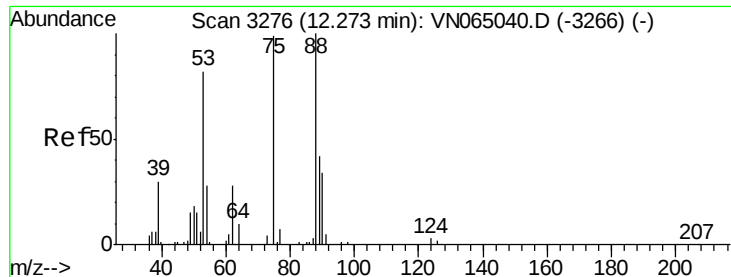
Tgt Ion: 75 Resp: 73037
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.433 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN065061.D
 Acq: 11 Dec 2020 1:48

Tgt Ion: 105 Resp: 3360
 Ion Ratio Lower Upper
 105 100
 120 51.4 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 76.947 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN065061.D

Acq: 11 Dec 2020 1:48

Instrument :

MSVOA_N

ClientSampleId :

PB133501ZHE#09

Tgt Ion: 75 Resp: 73037

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 36.2 54.4#

