

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064525.D
 Acq On : 10 Nov 2020 14:59
 Operator : JC/MD
 Sample : L4684-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-EB-20201109

Quant Time: Nov 11 01:48:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	233910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	499507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176581	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	231939	56.93	ug/l	0.00
Spiked Amount			Recovery	=	113.86%	
35) Dibromofluoromethane	7.55	113	173812	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
50) Toluene-d8	10.06	98	624598	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.38	95	233562	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

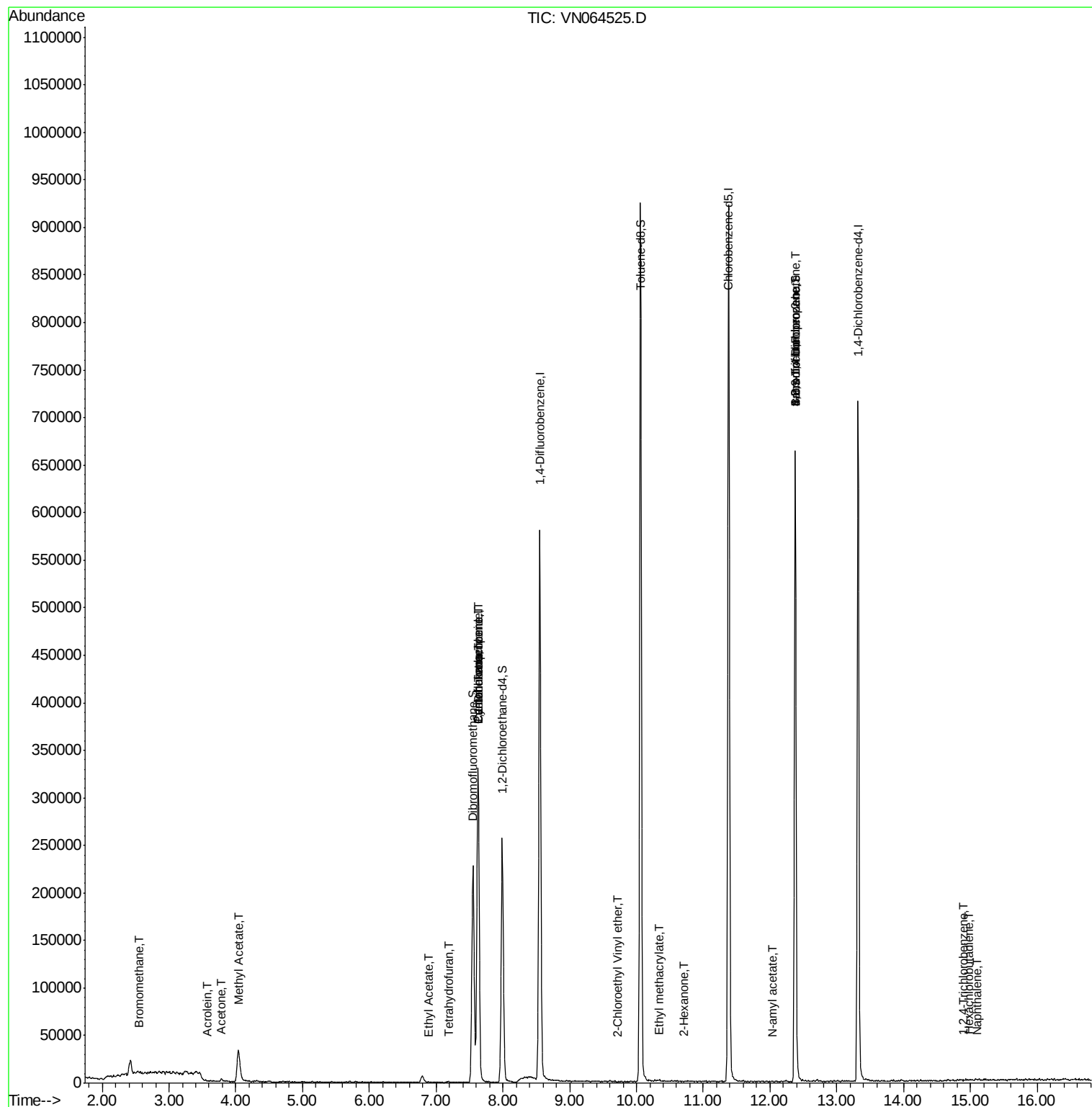
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	762	0.314	ug/l	97
13) Acrolein	3.59	56	134	0.481	ug/l #	15
16) Acetone	3.79	43	4984	3.211	ug/l	91
18) Methyl Acetate	4.04	43	16061	5.264	ug/l #	55
29) Tetrahydrofuran	7.18	42	304	0.251	ug/l #	37
31) Cyclohexane	7.62	56	7669	1.548	ug/l #	37
36) 1,1-Dichloropropene	7.63	75	24027	4.817	ug/l #	52
37) Ethyl Acetate	6.87	43	30	0.768	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27406	5.141	ug/l #	19
56) Ethyl methacrylate	10.33	69	110	1.859	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.71	63	30	21.548	ug/l #	51
59) 2-Hexanone	10.72	43	263	4.095	ug/l #	28
71) Bromoform	12.38	173	273	1.362	ug/l #	1
74) N-amyl acetate	12.04	43	228	1.247	ug/l #	57
76) 1,2,3-Trichloropropane	12.38	75	131665	30.774	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	131665	85.925	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.90	180	116	2.703	ug/l #	12
94) Hexachlorobutadiene	14.98	225	319	0.275	ug/l #	31
95) Naphthalene	15.11	128	309	3.653	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

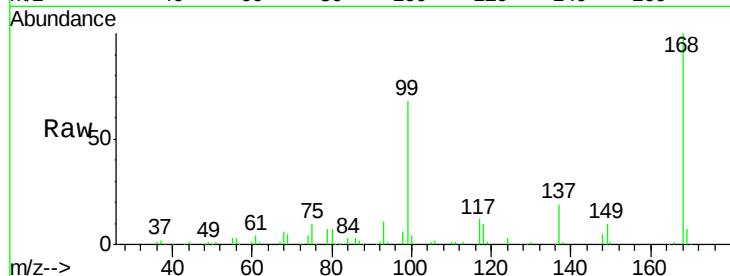
BP-VPB178-EB-20201109

Tot Ion:168 Resp: 233910

Ion Ratio Lower Upper

168 100

99 68.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

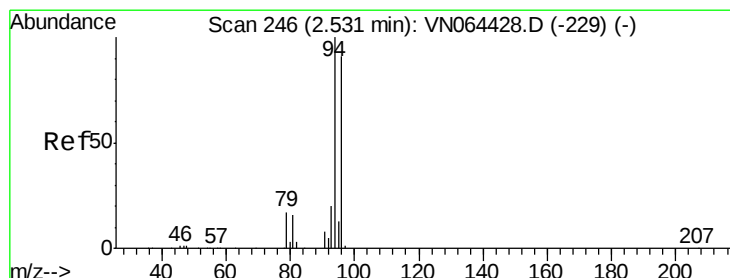
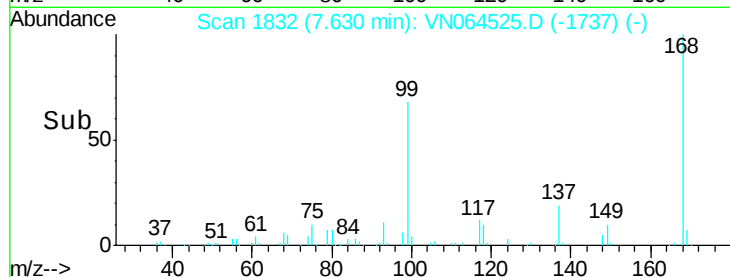
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.314 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN064525.D

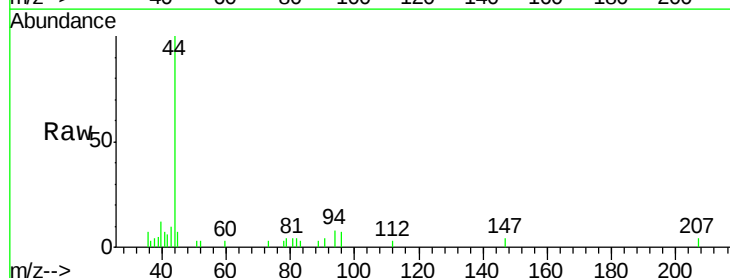
Acq: 10 Nov 2020 14:59

Tgt Ion: 94 Resp: 762

Ion Ratio Lower Upper

94 100

96 94.6 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

800

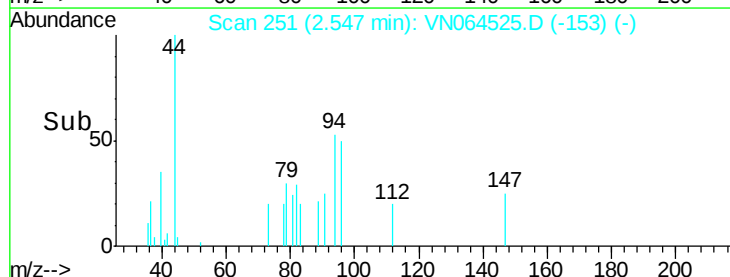
600

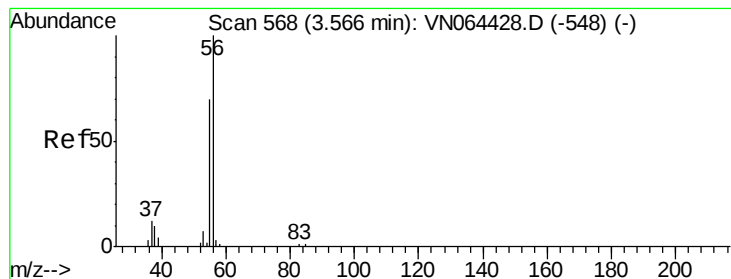
400

200

0

Time--> 2.50 2.52 2.54 2.56 2.58





#13

Acrolein

Concen: 0.481 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.02 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

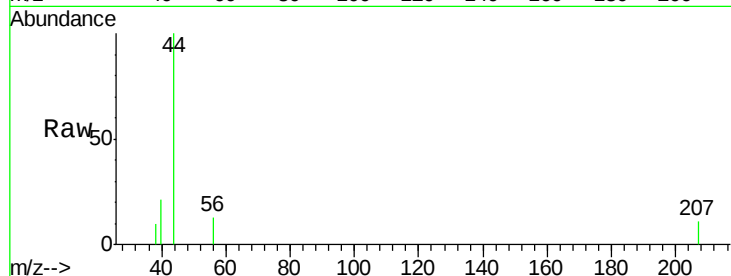
BP-VPB178-EB-20201109

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

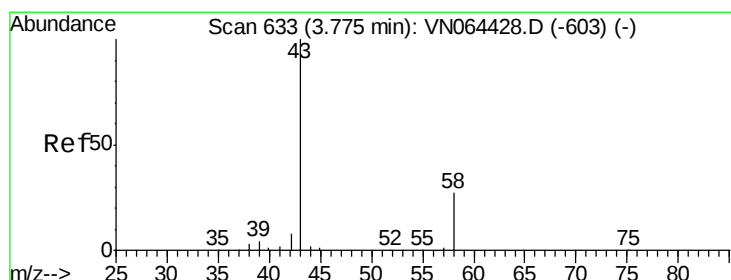
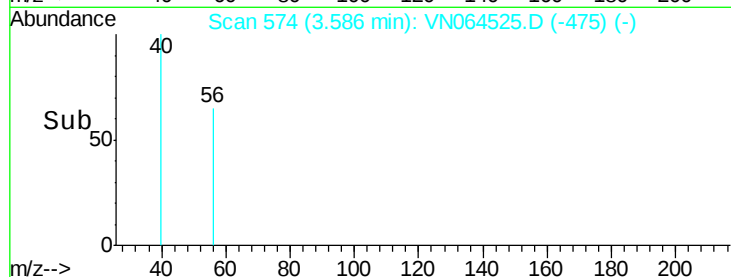
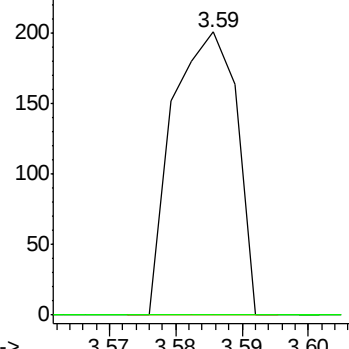
56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 3.211 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064525.D

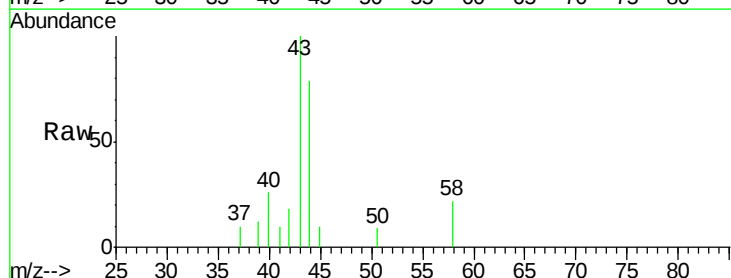
Acq: 10 Nov 2020 14:59

Tgt Ion: 43 Resp: 4984

Ion Ratio Lower Upper

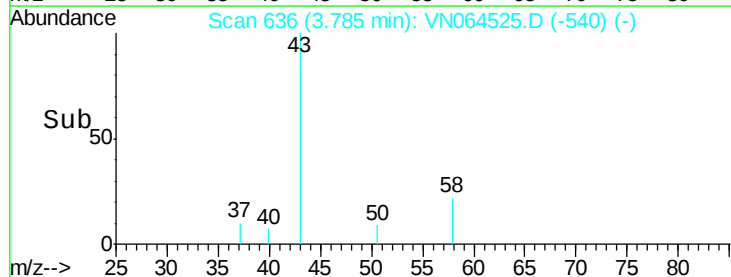
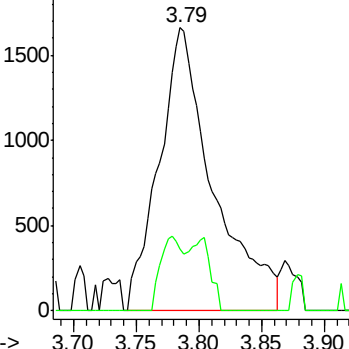
43 100

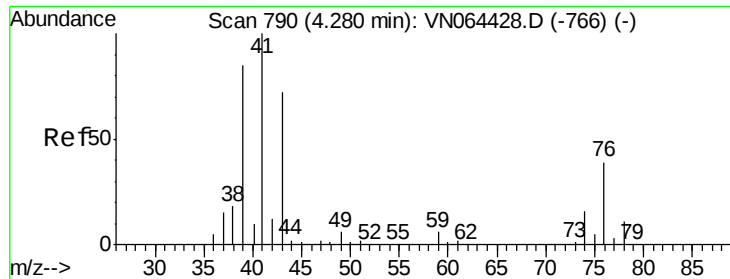
58 21.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

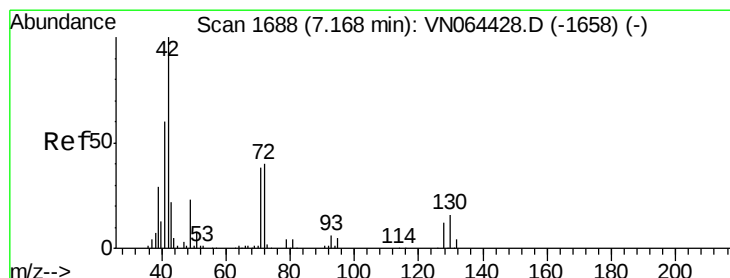
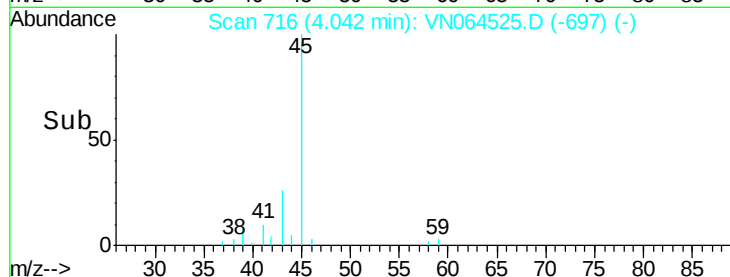
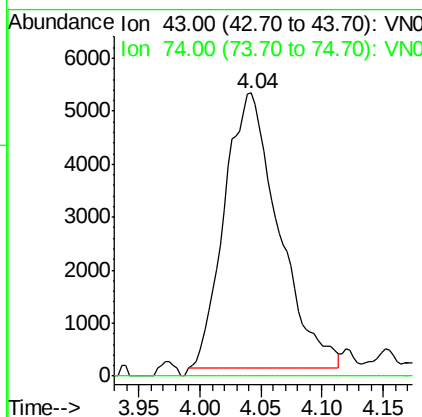
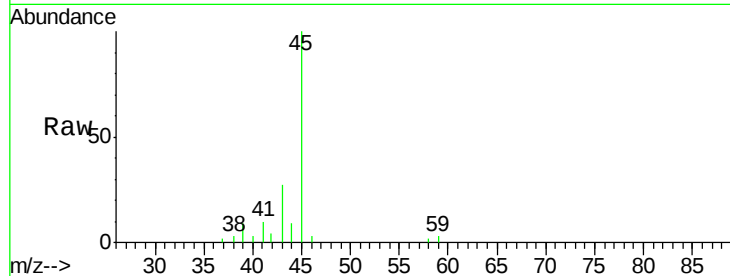




#18
Methyl Acetate
Concen: 5.264 ug/l
RT: 4.04 min Scan# 716
Delta R.T. -0.24 min
Lab File: VN064525.D
Acq: 10 Nov 2020 14:59

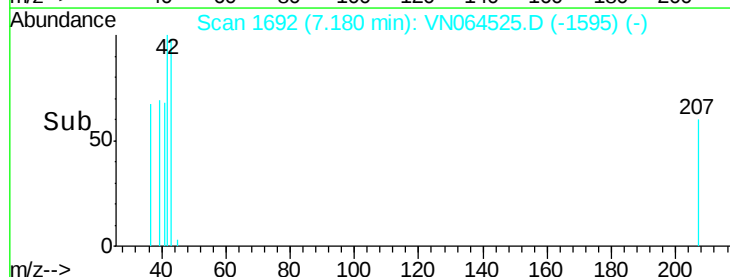
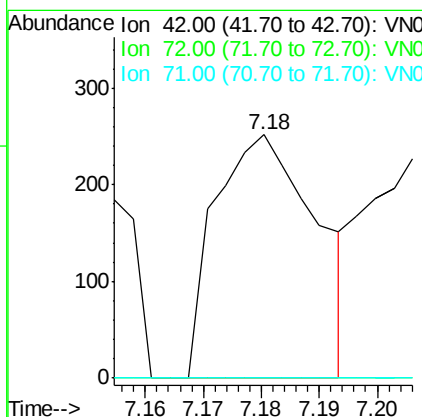
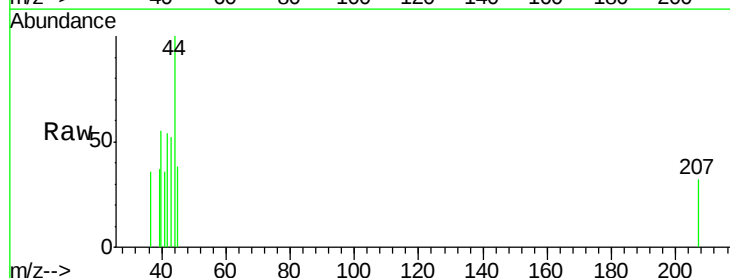
Instrument :
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BP-VPB178-EB-20201109

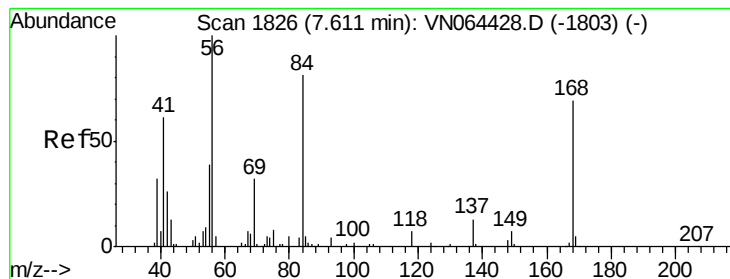
Tot Ion: 43 Resp: 16061
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#29
Tetrahydrofuran
Concen: 0.251 ug/l
RT: 7.18 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN064525.D
Acq: 10 Nov 2020 14:59

Tgt Ion: 42 Resp: 304
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 0.0 29.8 44.6#





#31

Cyclohexane

Concen: 1.548 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-EB-20201109

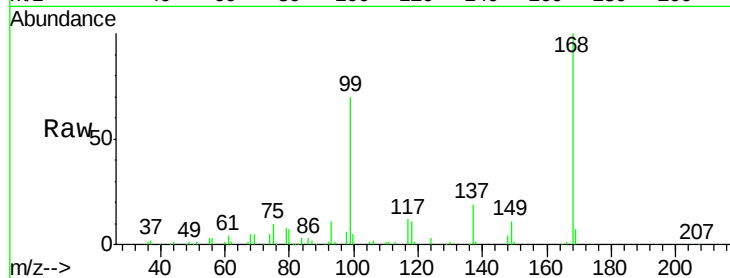
Tot Ion: 56 Resp: 7669

Ion Ratio Lower Upper

56 100

69 150.0 25.6 38.4#

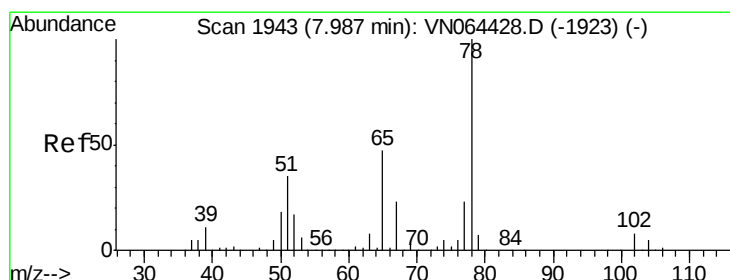
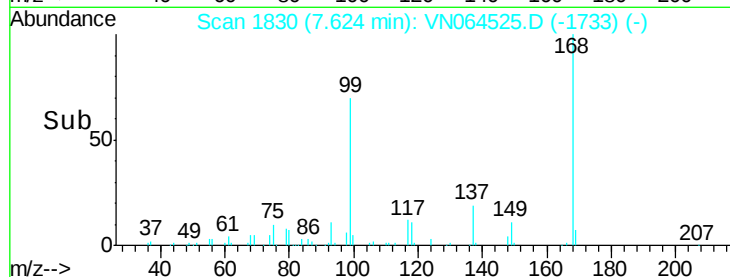
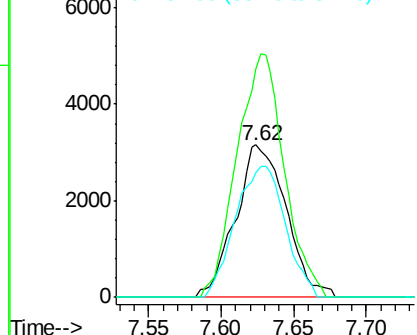
84 81.4 63.0 94.6



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: 56.927 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064525.D

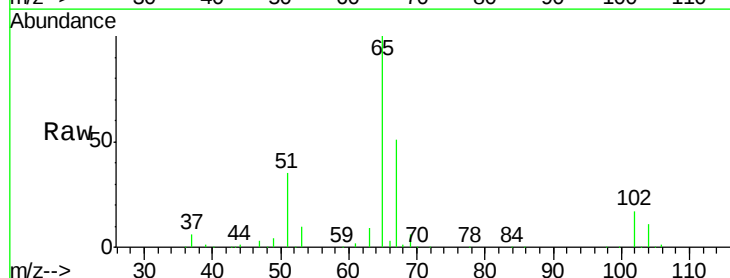
Acq: 10 Nov 2020 14:59

Tgt Ion: 65 Resp: 231939

Ion Ratio Lower Upper

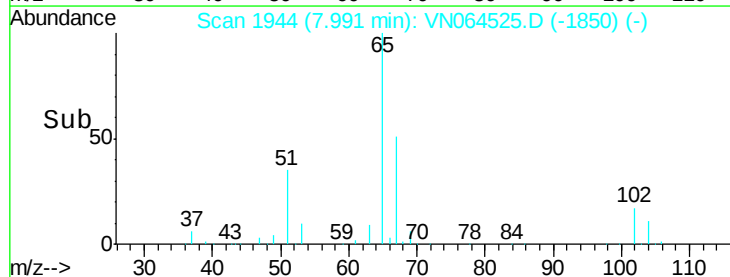
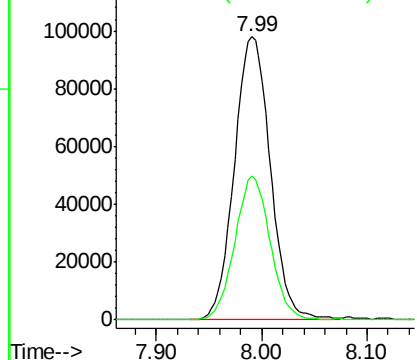
65 100

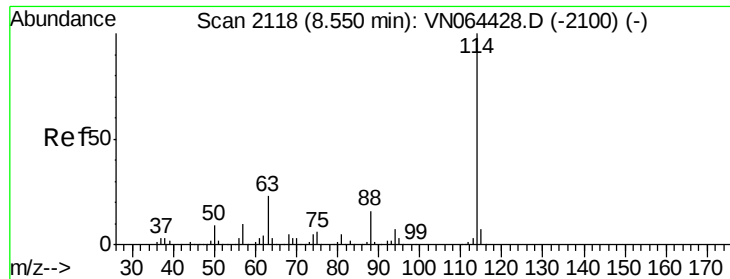
67 49.9 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

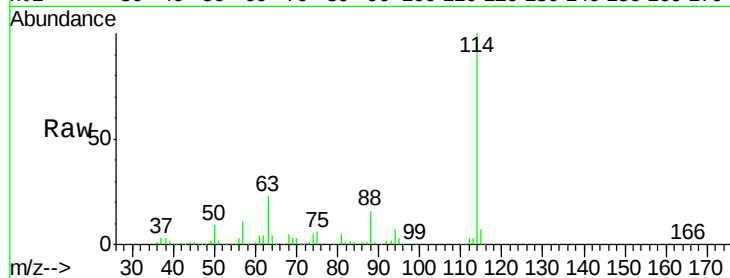




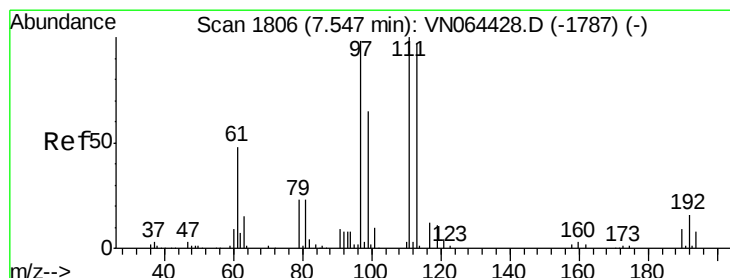
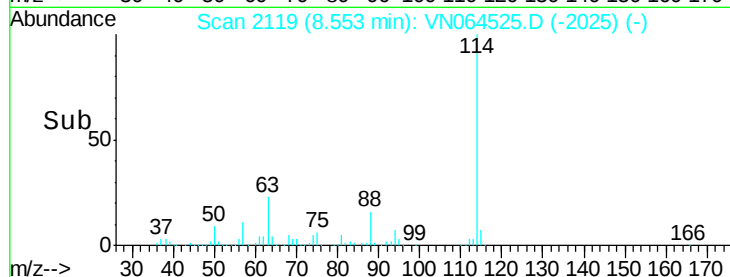
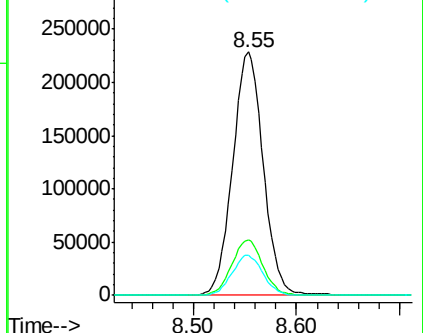
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064525.D
 Acq: 10 Nov 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-EB-20201109

Tot Ion:114 Resp: 472138
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.4 0.0 32.8

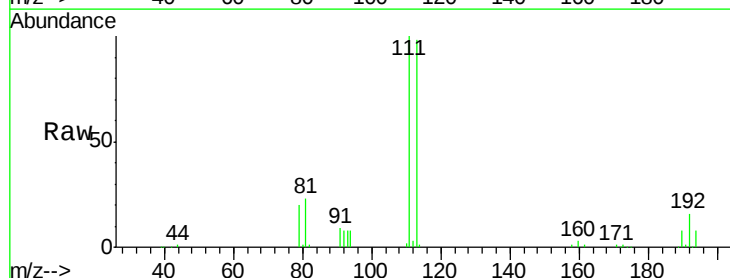


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

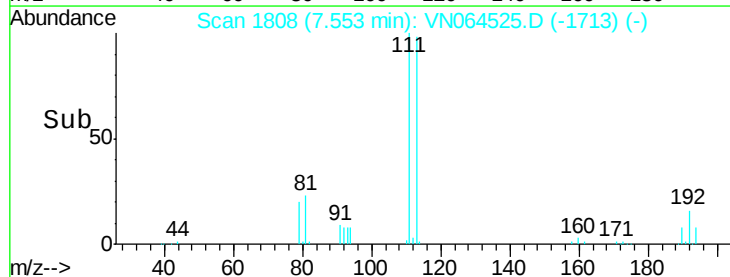
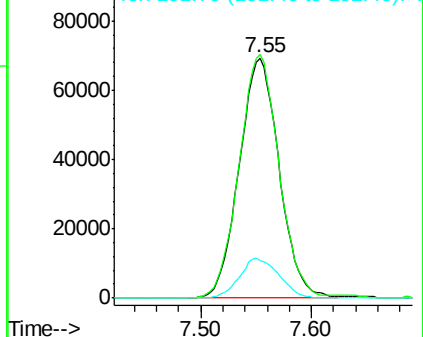


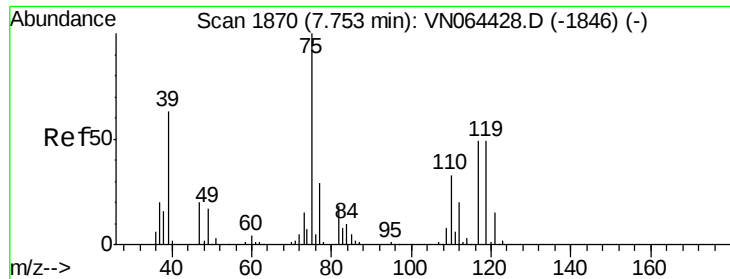
#35
 Dibromofluoromethane
 Concen: 54.069 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064525.D
 Acq: 10 Nov 2020 14:59

Tgt Ion:113 Resp: 173812
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.1 121.7
 192 16.5 12.8 19.2



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

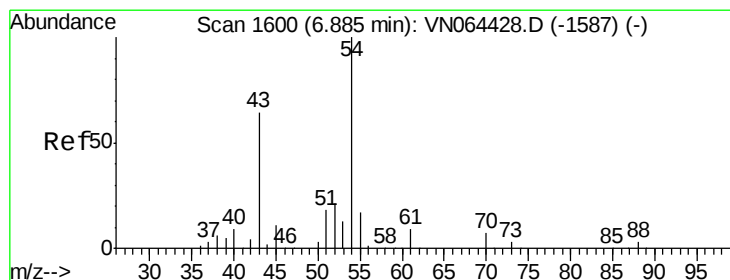
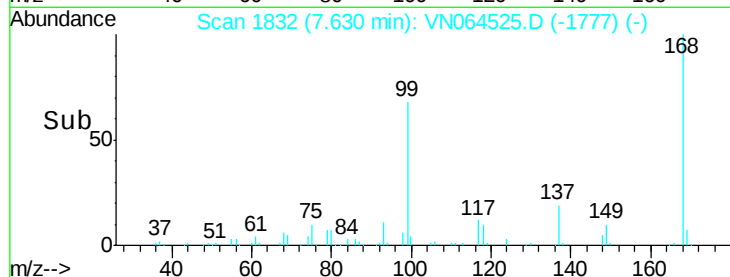
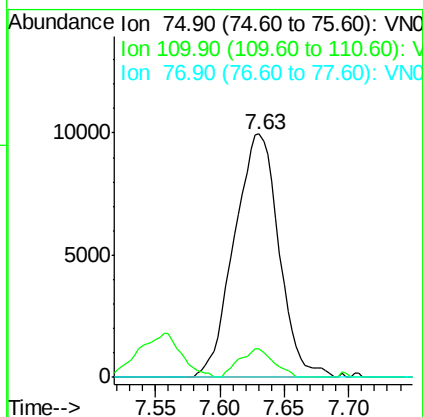
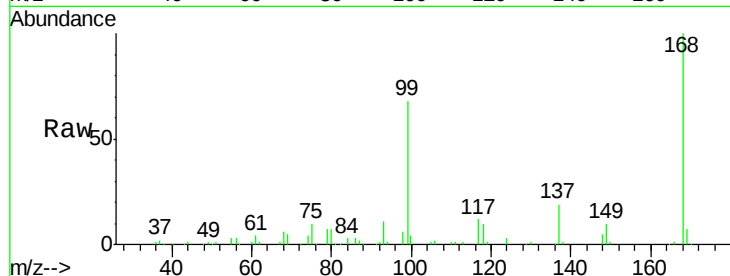




#36
 1,1-Dichloropropene
 Concen: 4.817 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064525.D
 Acq: 10 Nov 2020 14:59

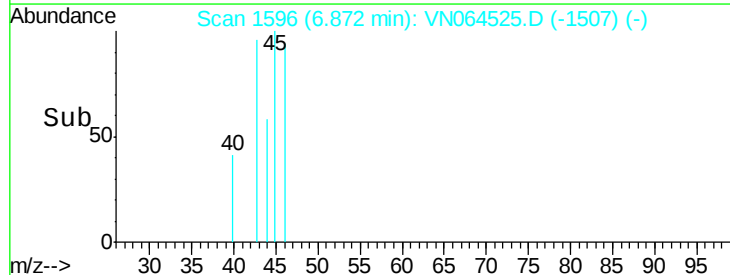
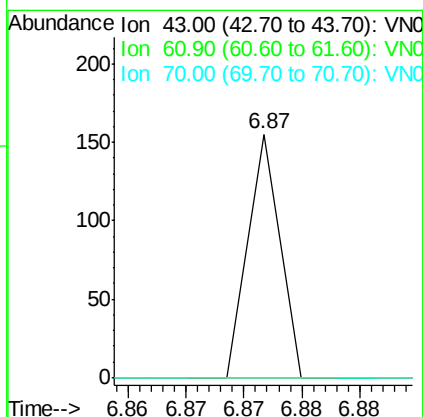
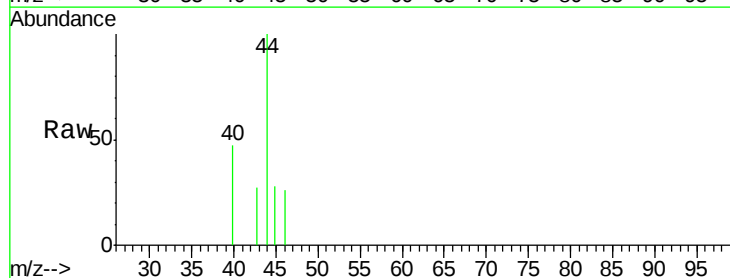
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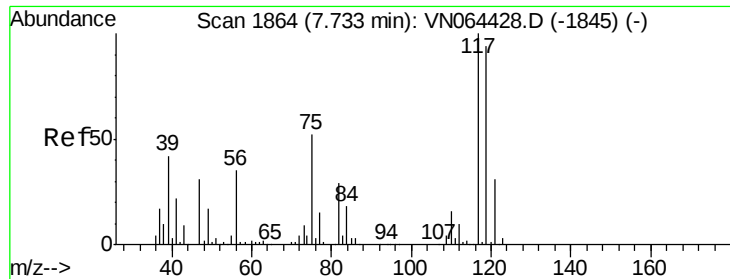
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.0	48.0#
77	0.0	24.0	36.0#



#37
 Ethyl Acetate
 Concen: 0.768 ug/l
 RT: 6.87 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: VN064525.D
 Acq: 10 Nov 2020 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.1	10.7#

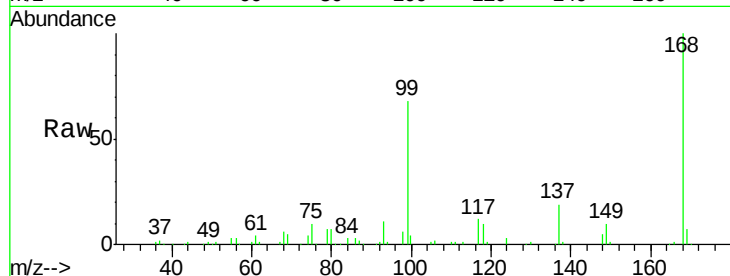




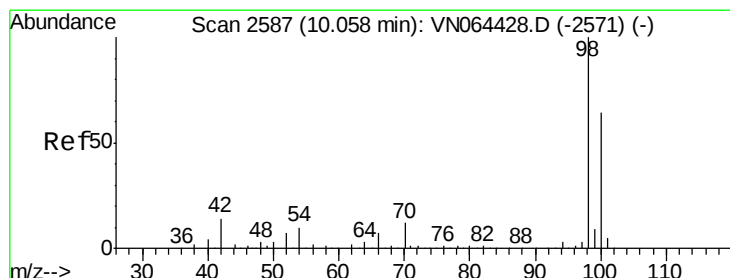
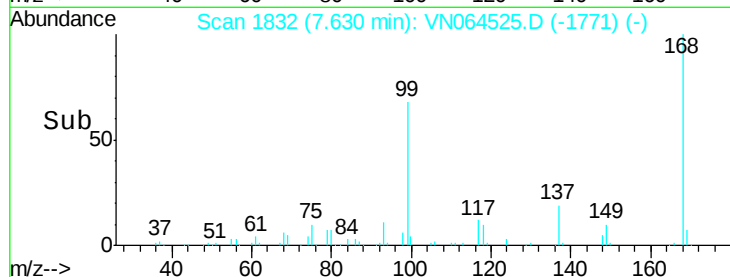
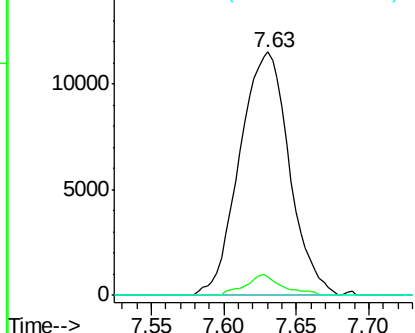
#38
Carbon Tetrachloride
Concen: 5.141 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN064525.D
Acq: 10 Nov 2020 14:59

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-EB-20201109

Tot Ion:117 Resp: 27406
Ion Ratio Lower Upper
117 100
119 7.5 75.5 113.3#
121 0.0 24.4 36.6#

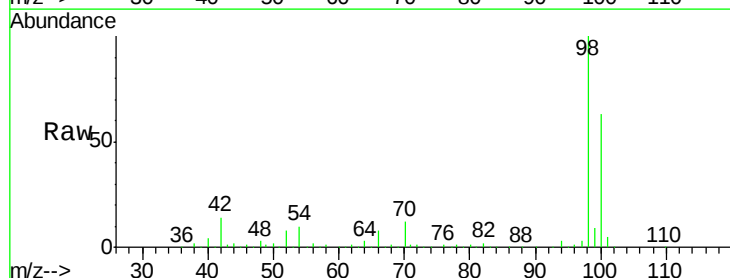


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

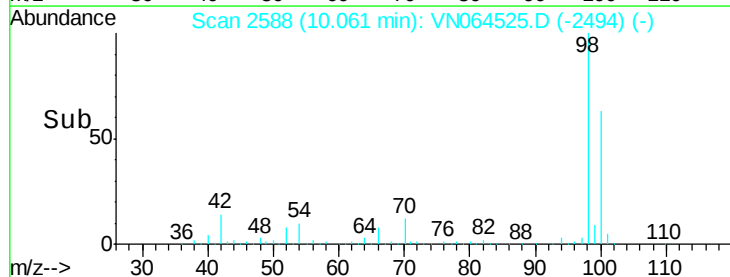
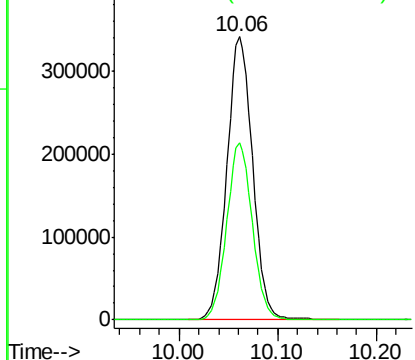


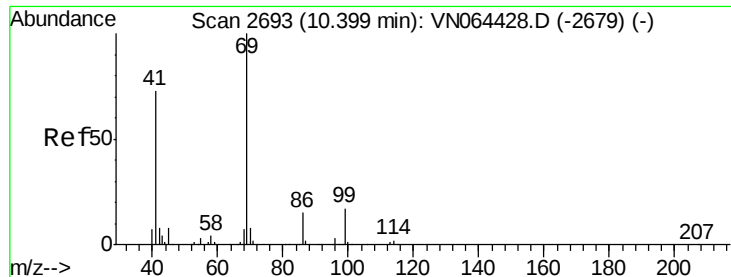
#50
Toluene-d8
Concen: 50.272 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064525.D
Acq: 10 Nov 2020 14:59

Tgt Ion: 98 Resp: 624598
Ion Ratio Lower Upper
98 100
100 62.0 50.7 76.1



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





#56

Ethyl methacrylate

Concen: 1.859 ug/l

RT: 10.33 min Scan# 2671

Delta R.T. -0.07 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-EB-20201109

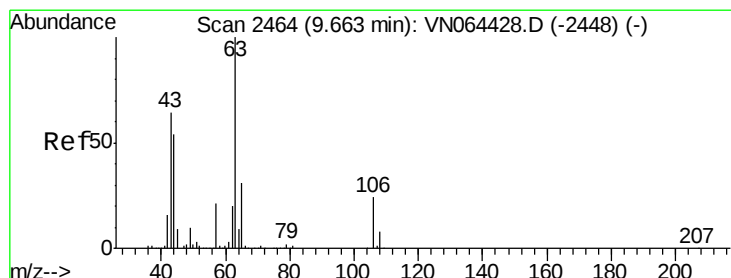
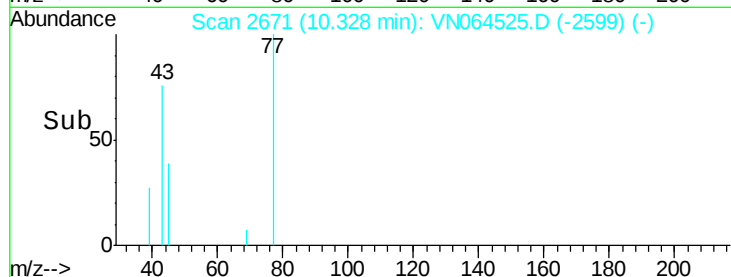
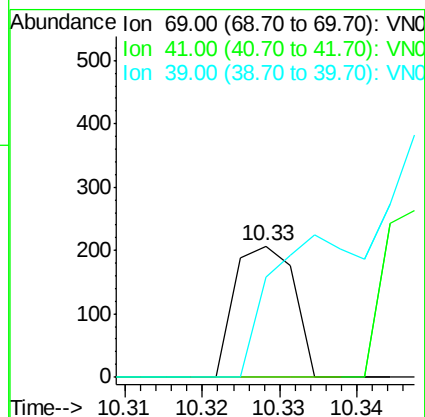
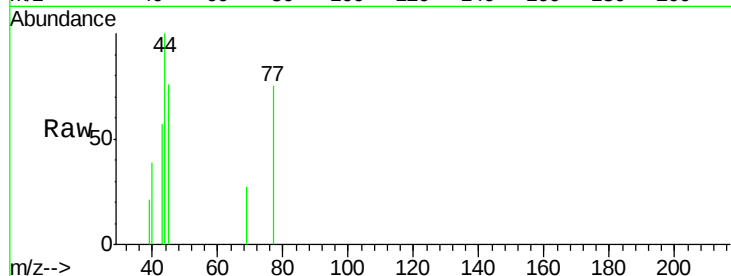
Tot Ion: 69 Resp: 110

Ion Ratio Lower Upper

69 100

41 124.5 59.3 88.9#

39 470.0 35.4 53.0#



#58

2-Chloroethyl Vinyl ether

Concen: 21.548 ug/l

RT: 9.71 min Scan# 2479

Delta R.T. 0.05 min

Lab File: VN064525.D

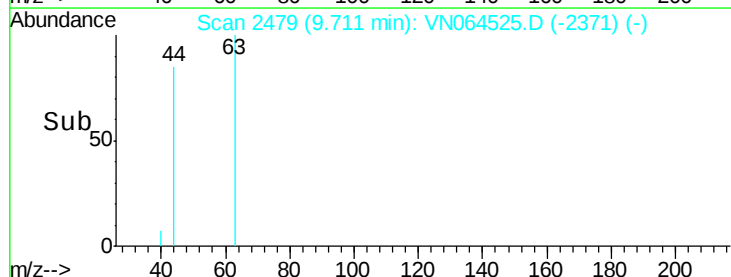
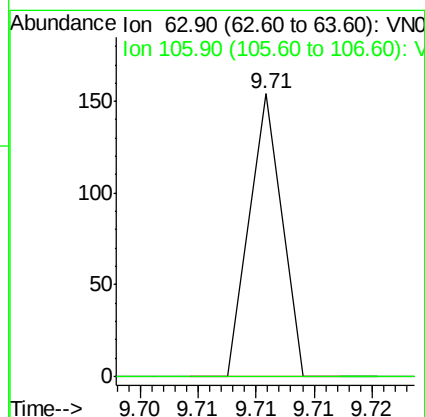
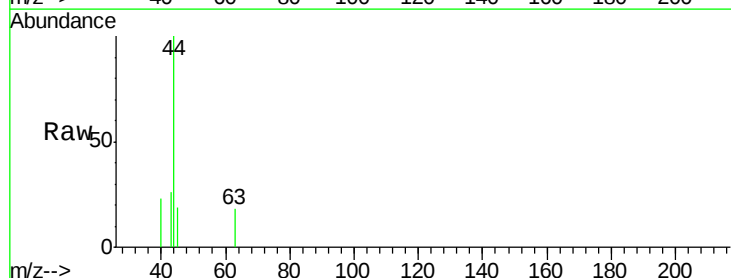
Acq: 10 Nov 2020 14:59

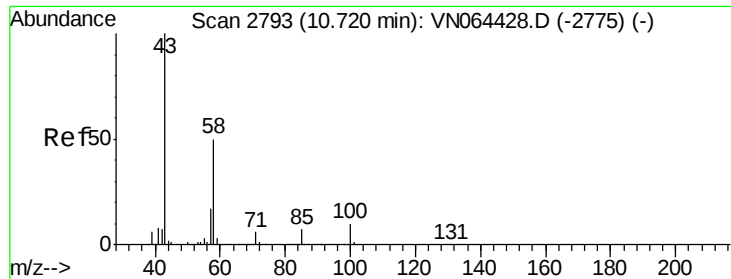
Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#

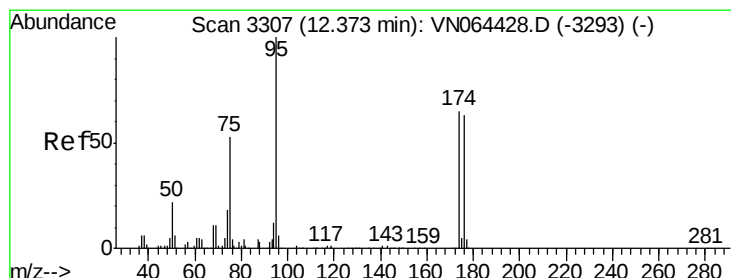
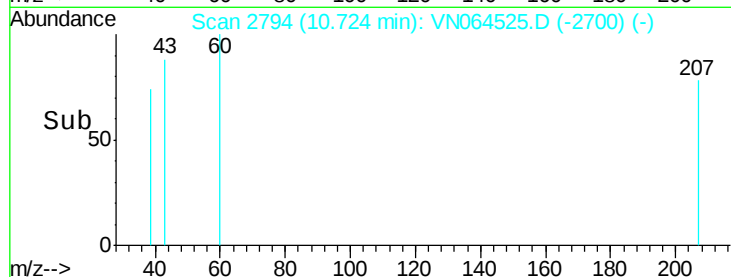
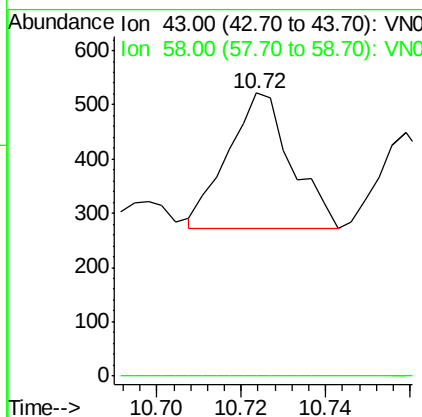
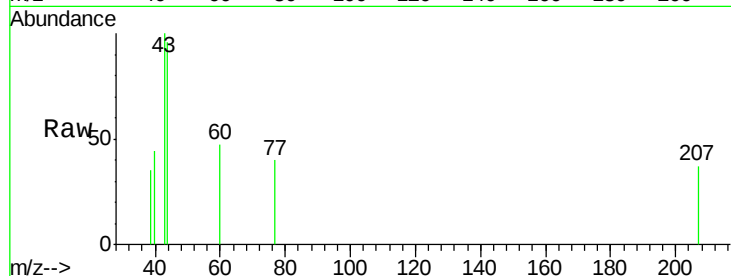




#59
2-Hexanone
Concen: 4.095 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064525.D
Acq: 10 Nov 2020 14:59

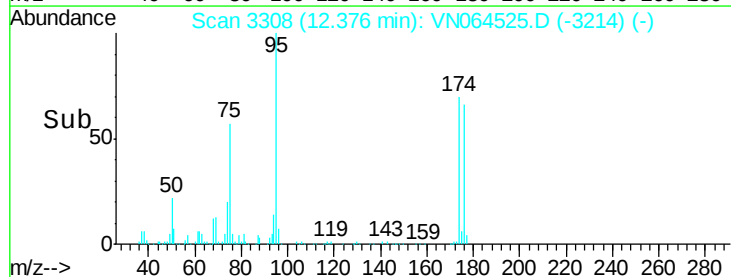
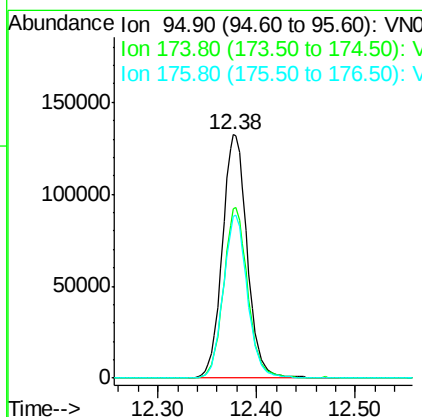
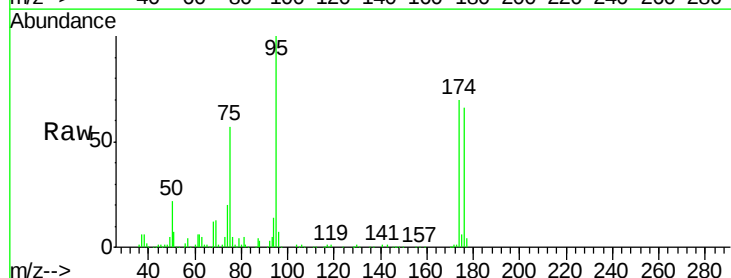
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-EB-20201109

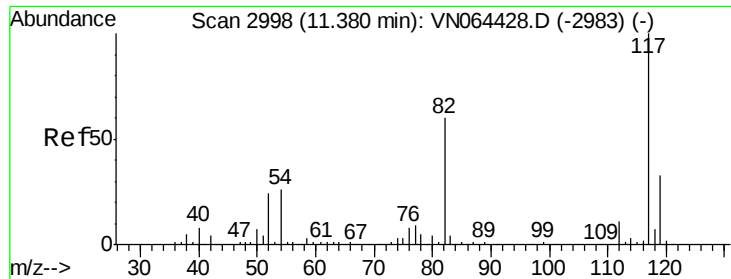
Tot Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.707 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064525.D
Acq: 10 Nov 2020 14:59

Tgt Ion: 95 Resp: 233562
Ion Ratio Lower Upper
95 100
174 68.3 0.0 132.6
176 65.0 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-EB-20201109

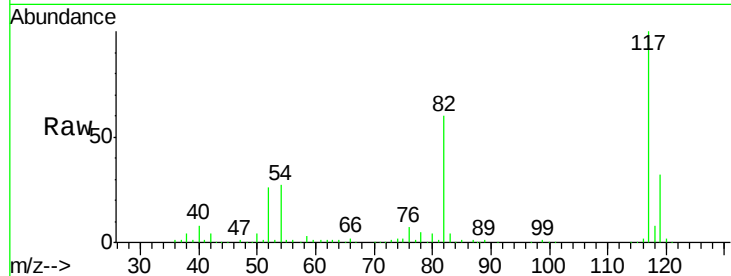
Tot Ion:117 Resp: 499507

Ion Ratio Lower Upper

117 100

82 60.5 48.1 72.1

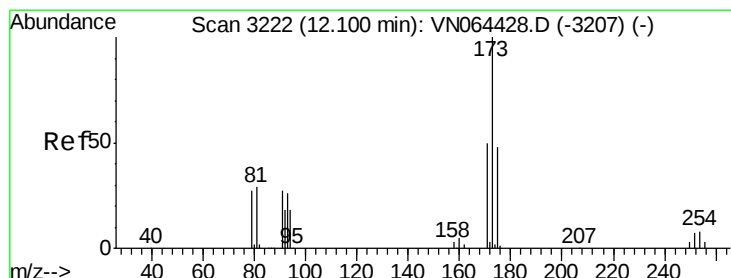
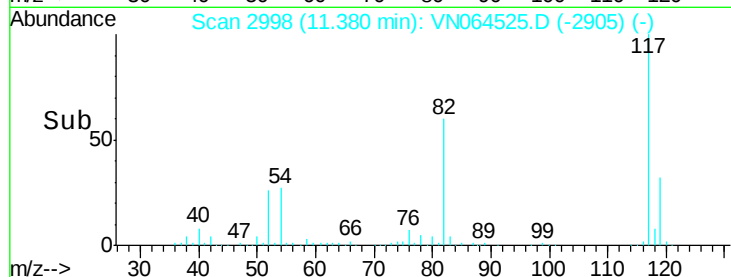
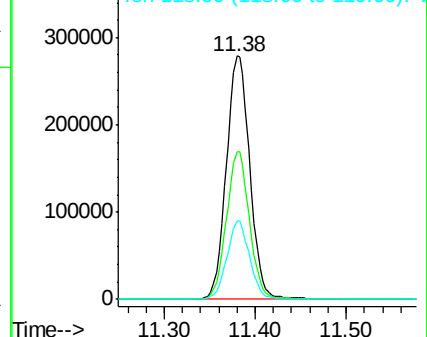
119 32.3 26.2 39.4



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: 1.362 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

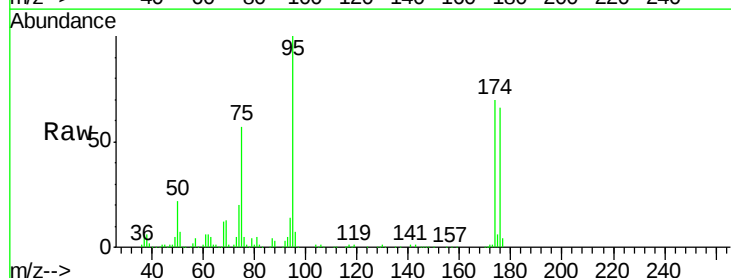
Tgt Ion:173 Resp: 273

Ion Ratio Lower Upper

173 100

175 3619.0 23.7 71.1#

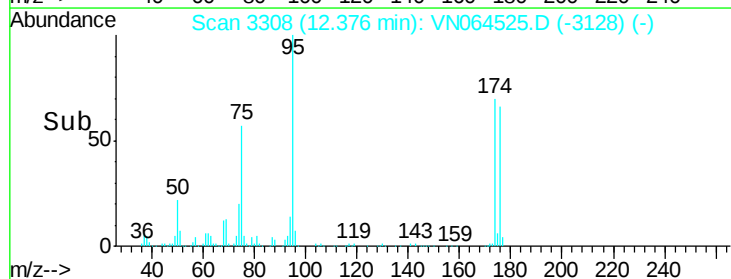
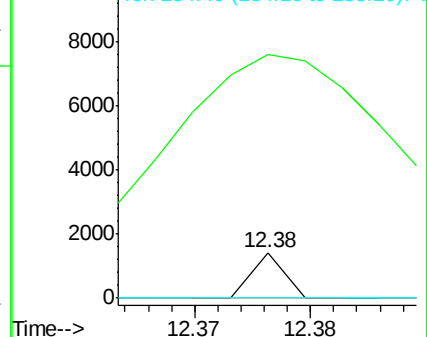
254 0.0 0.0 0.0

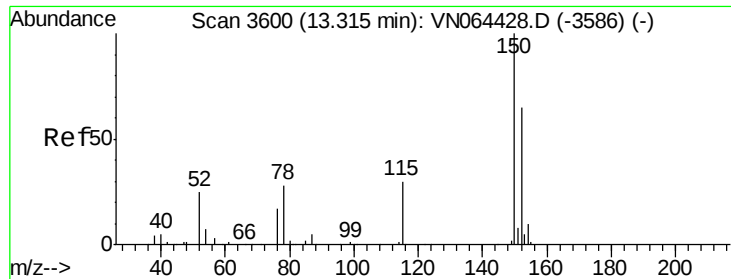


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-EB-20201109

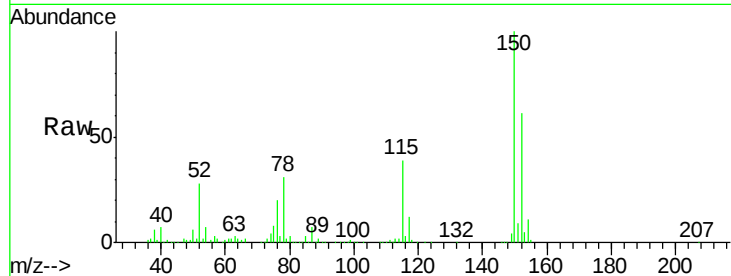
Tot Ion:152 Resp: 176581

Ion Ratio Lower Upper

152 100

115 65.6 32.0 96.0

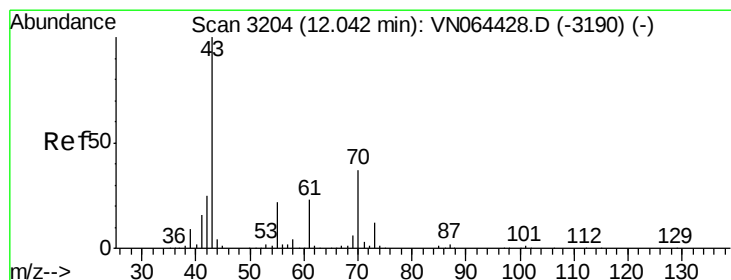
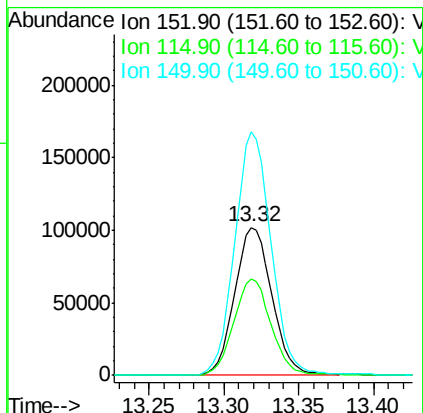
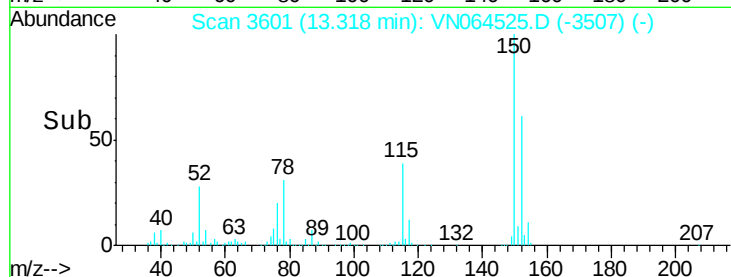
150 160.5 0.0 353.8



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



#74

N-ethyl acetate

Concen: 1.247 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Tgt Ion: 43 Resp: 228

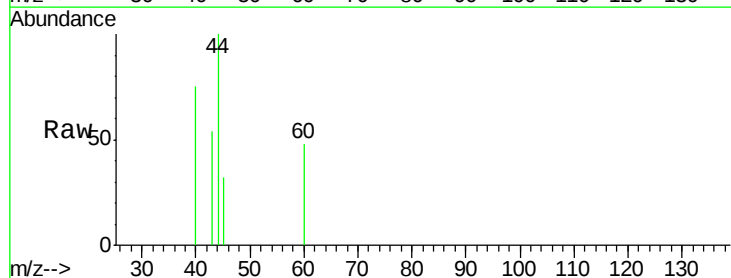
Ion Ratio Lower Upper

43 100

70 14.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

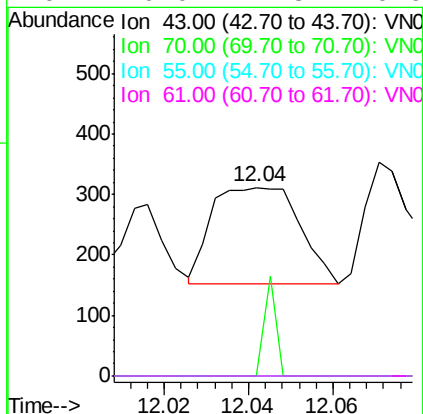
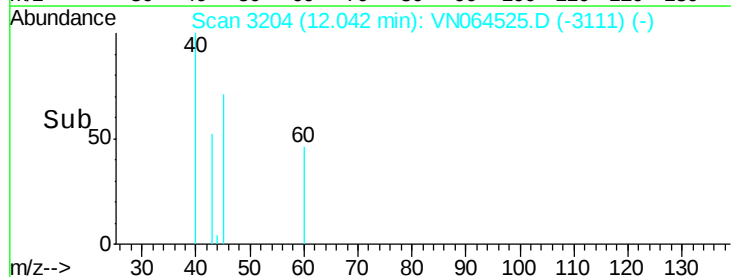


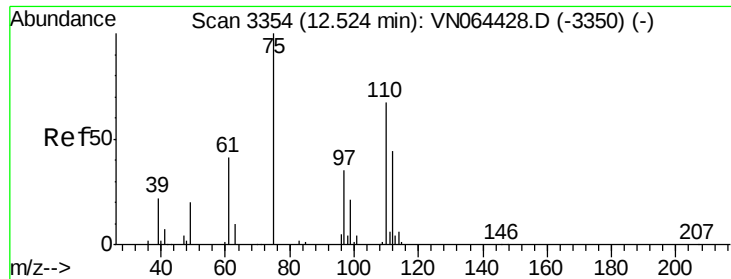
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.774 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

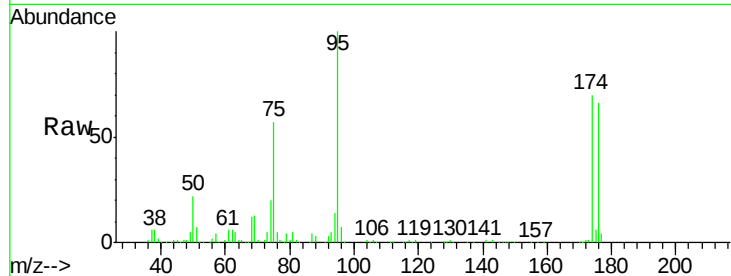
BP-VPB178-EB-20201109

Tot Ion: 75 Resp: 131665

Ion Ratio Lower Upper

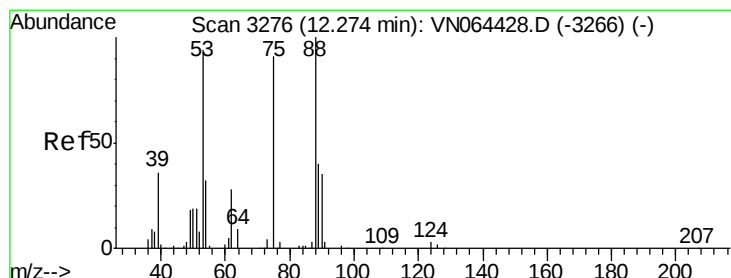
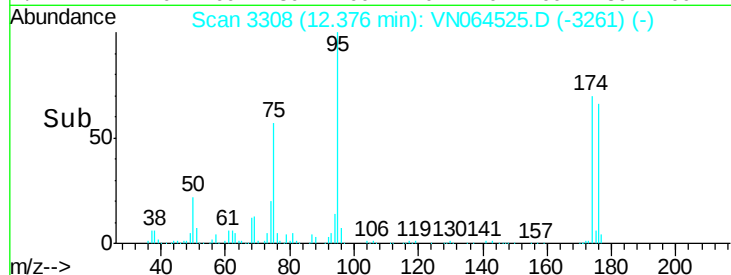
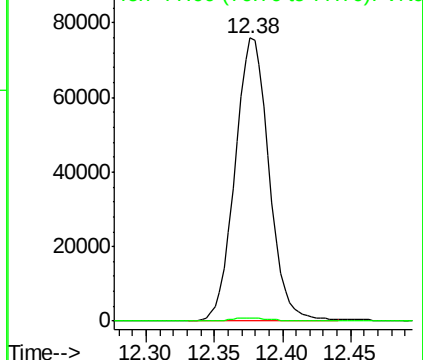
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 85.925 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064525.D

Acq: 10 Nov 2020 14:59

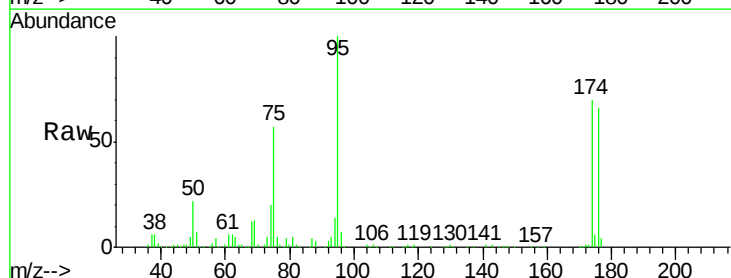
Tgt Ion: 75 Resp: 131665

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

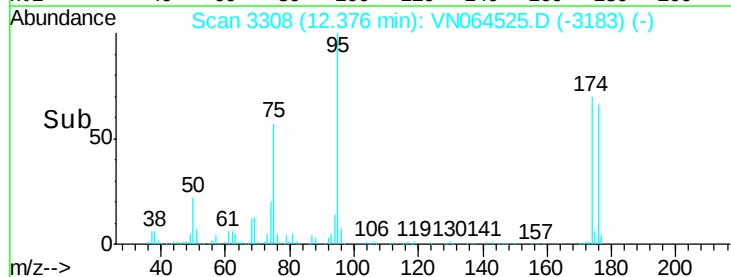
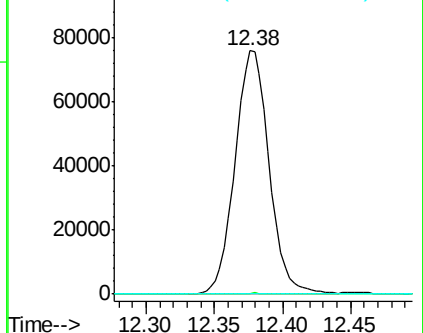
89 0.0 36.3 54.5#

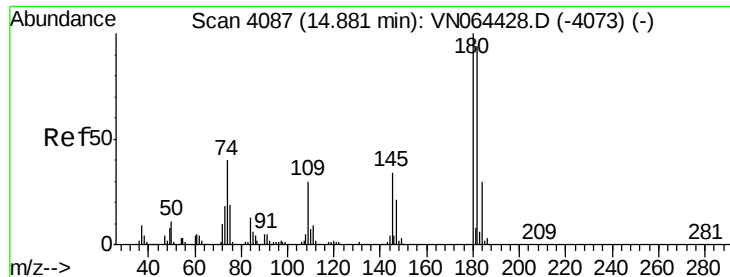


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

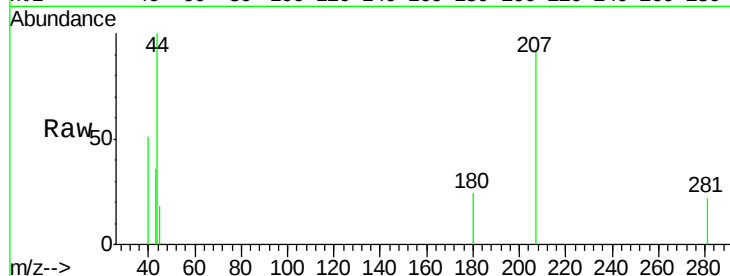




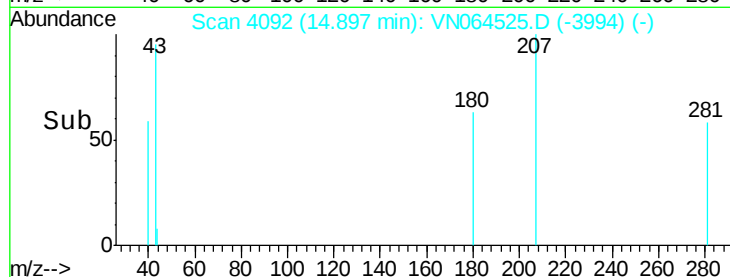
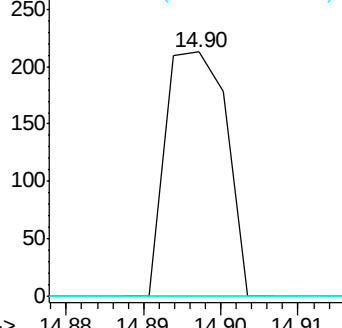
#93
 1,2,4-Trichlorobenzene
 Concen: 2.703 ug/l
 RT: 14.90 min Scan# 4092
 Delta R.T. 0.02 min
 Lab File: VN064525.D
 Acq: 10 Nov 2020 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-EB-20201109

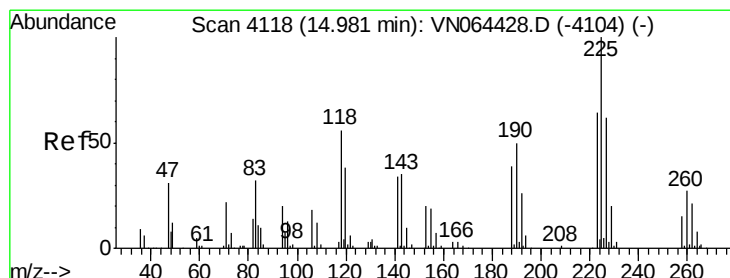
Tot Ion:180 Resp: 116
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 16.7 50.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

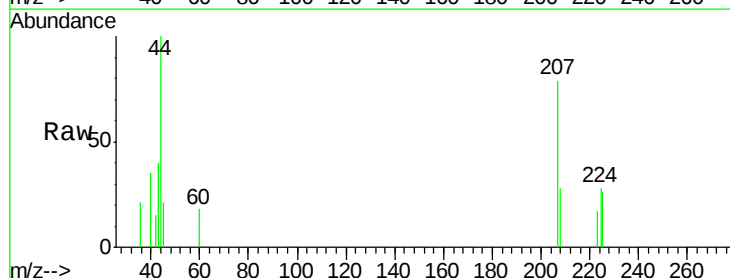


Time-->

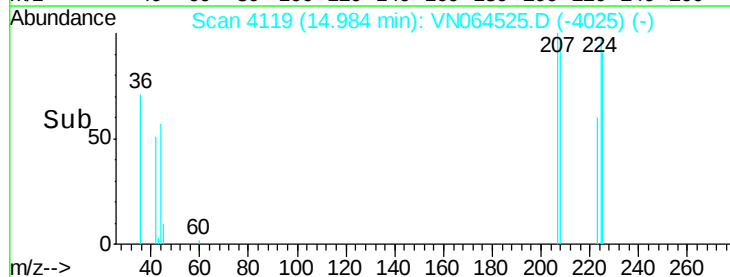
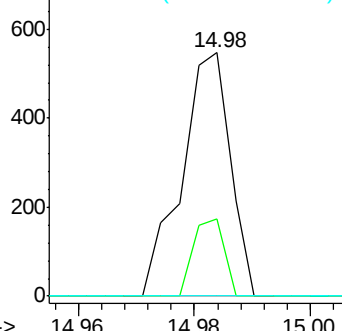


#94
 Hexachlorobutadiene
 Concen: 0.275 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064525.D
 Acq: 10 Nov 2020 14:59

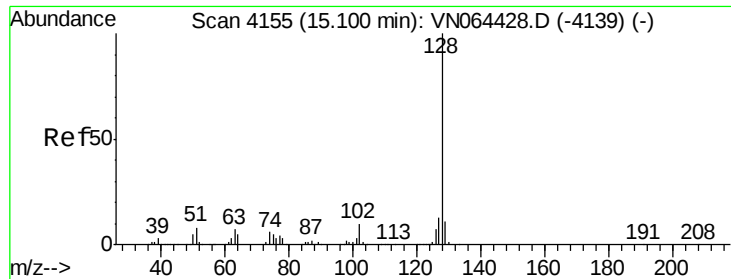
Tgt Ion:225 Resp: 319
 Ion Ratio Lower Upper
 225 100
 223 20.4 31.8 95.4#
 227 0.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 3.653 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064525.D

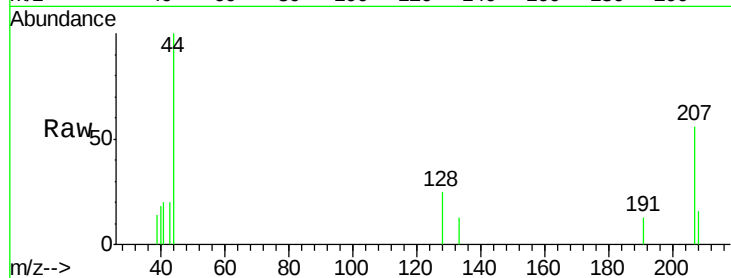
Acq: 10 Nov 2020 14:59

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-EB-20201109



Tot Ion:	128	Resp:	309
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#

