

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064443.D
 Acq On : 4 Nov 2020 18:01
 Operator : JC/MD
 Sample : L4627-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-198-200

Quant Time: Nov 05 00:48:49 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	250123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	497166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	518530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191303	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	235174	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	7.55	113	169128	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.06	98	633007	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.38	95	249580	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	

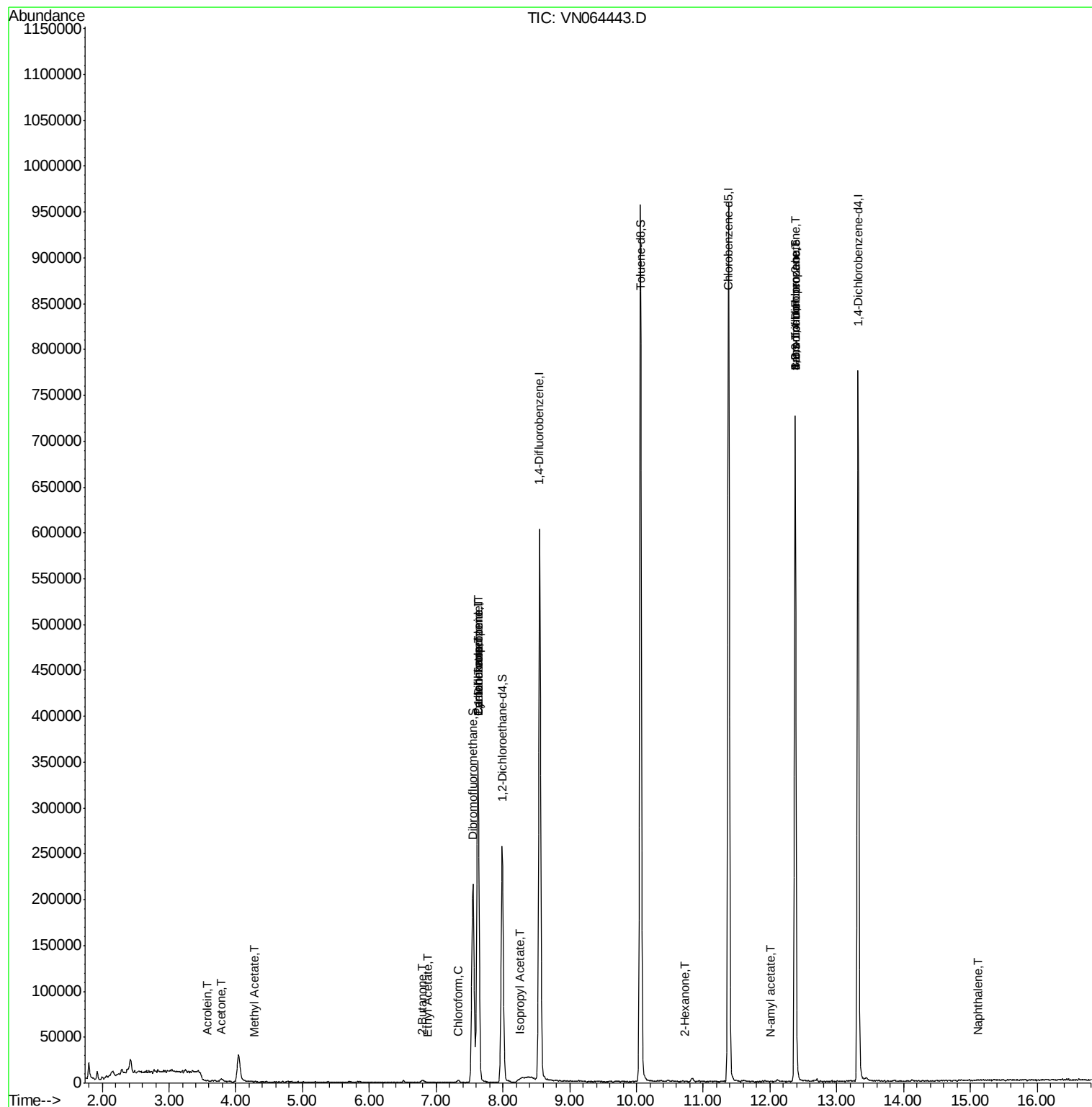
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	371	1.245	ug/l #	82
16) Acetone	3.78	43	4990	3.007	ug/l	94
18) Methyl Acetate	4.28	43	672	0.206	ug/l #	64
25) 2-Butanone	6.80	43	874	0.413	ug/l #	78
30) Chloroform	7.33	83	2087	0.325	ug/l #	78
31) Cyclohexane	7.62	56	6844	1.292	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	24545	4.673	ug/l #	52
37) Ethyl Acetate	6.87	43	179	0.795	ug/l #	71
38) Carbon Tetrachloride	7.63	117	28745	5.121	ug/l #	17
43) Isopropyl Acetate	8.25	43	2855	0.335	ug/l #	64
59) 2-Hexanone	10.72	43	456	4.139	ug/l #	28
71) Bromoform	12.37	173	532	1.438	ug/l #	1
74) N-amyl acetate	12.01	43	259	1.249	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	138737	29.932	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	138737	83.573	ug/l #	8
95) Naphthalene	15.11	128	1119	3.722	ug/l #	69

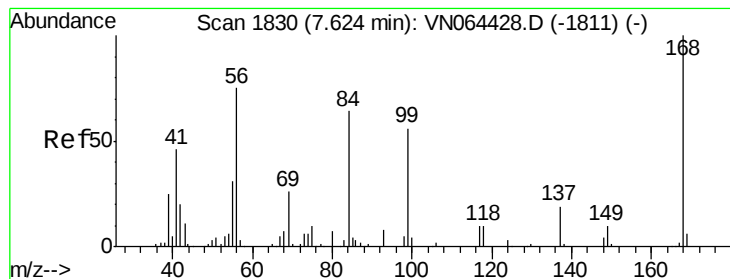
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

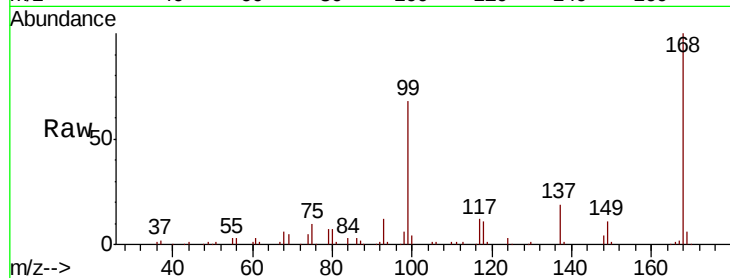
BP-VPB178-GW-198-200

Tot Ion:168 Resp: 250123

Ion Ratio Lower Upper

168 100

99 67.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

120000

100000

80000

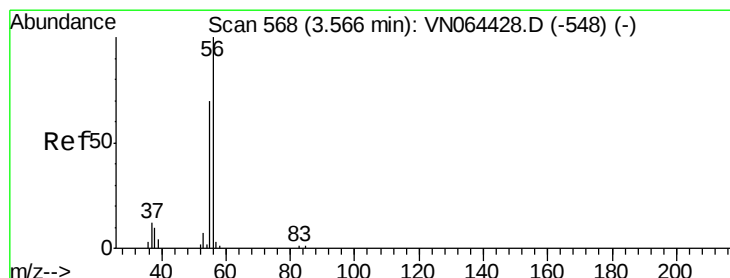
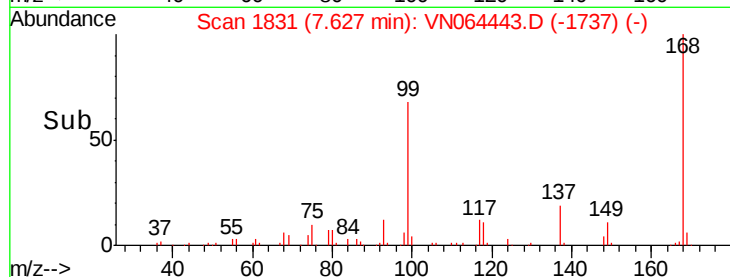
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 1.245 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064443.D

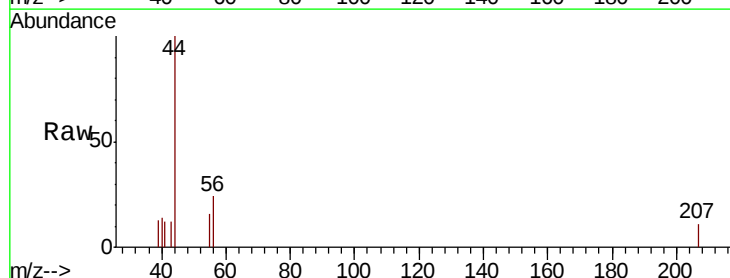
Acq: 4 Nov 2020 18:01

Tgt Ion: 56 Resp: 371

Ion Ratio Lower Upper

56 100

55 84.4 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.58

400

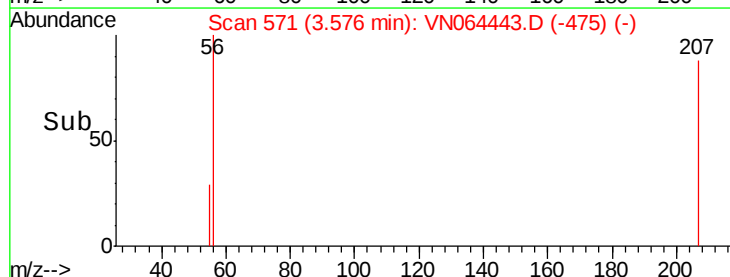
300

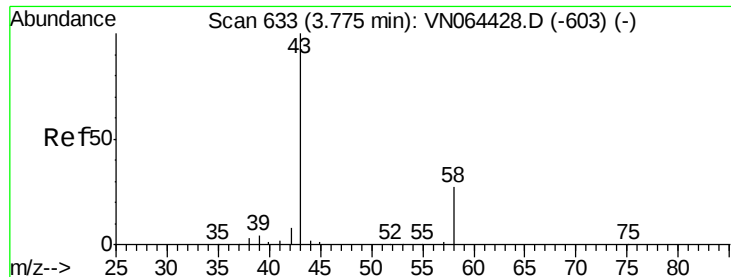
200

100

0

Time--> 3.54 3.56 3.58 3.60





#16

Acetone

Concen: 3.007 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

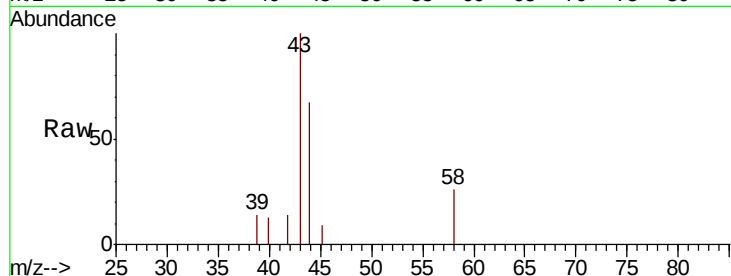
BP-VPB178-GW-198-200

Tot Ion: 43 Resp: 4990

Ion Ratio Lower Upper

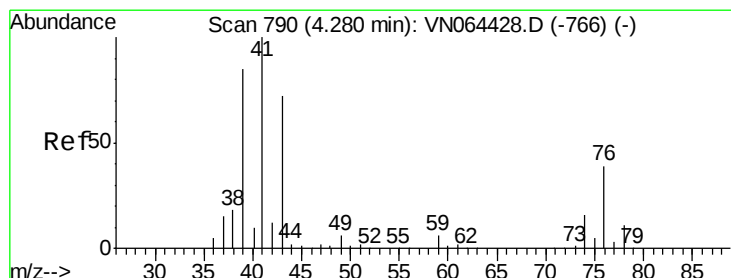
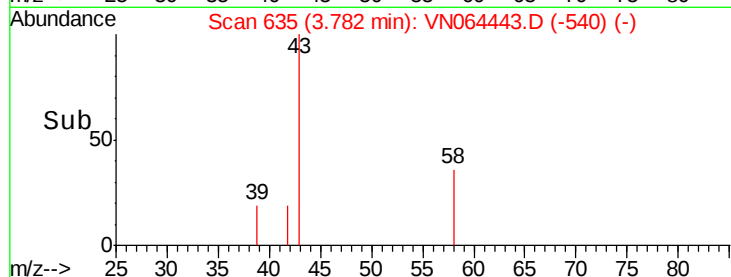
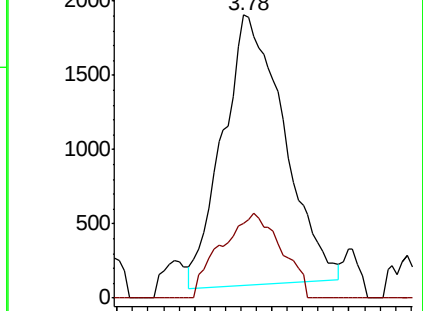
43 100

58 29.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)



#18

Methyl Acetate

Concen: 0.206 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064443.D

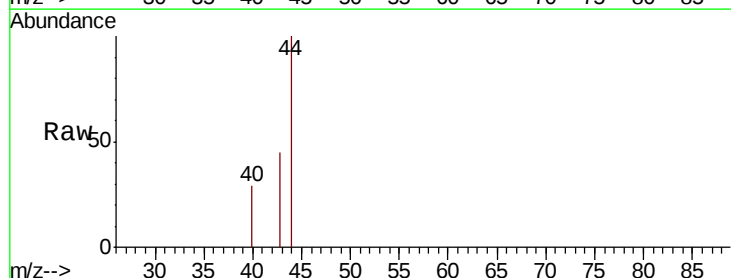
Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 672

Ion Ratio Lower Upper

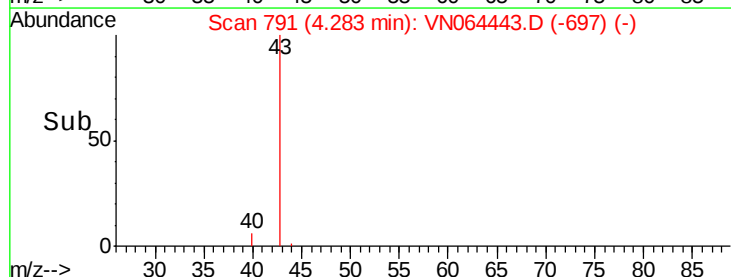
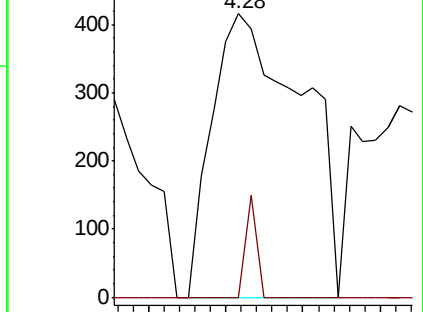
43 100

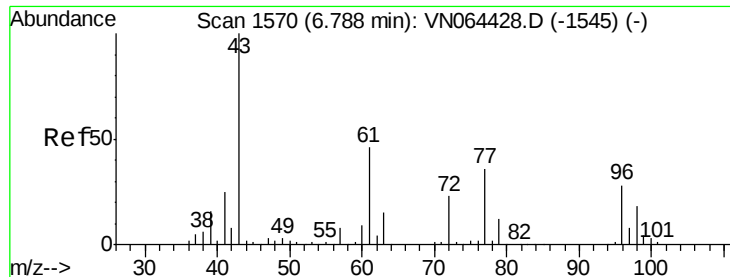
74 4.3 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-766) (-)

Ion 74.00 (73.70 to 74.70): VN064428.D (-766) (-)

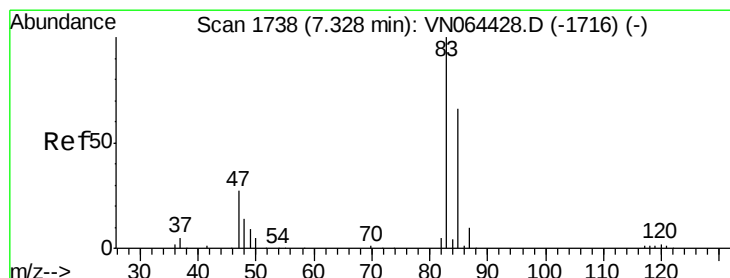
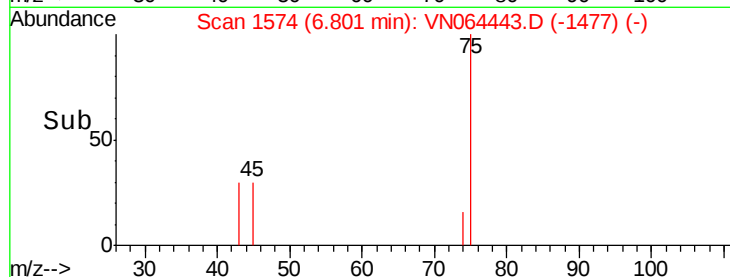
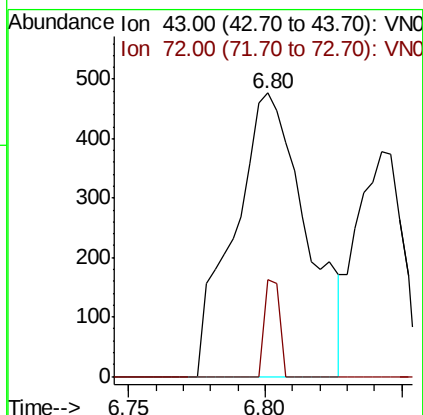
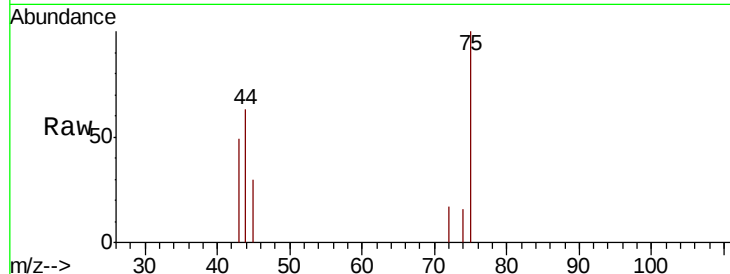




#25
2-Butanone
Concen: 0.413 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

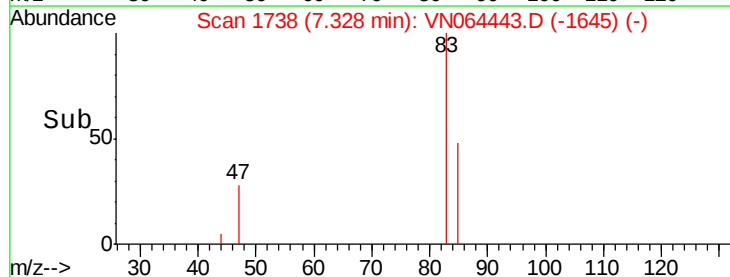
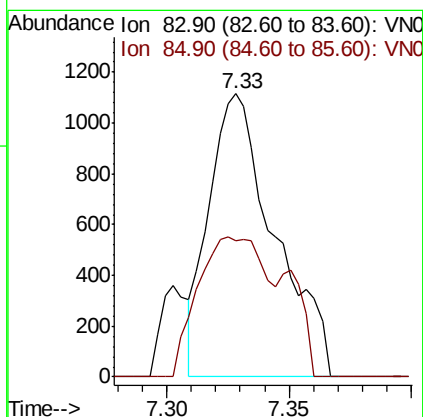
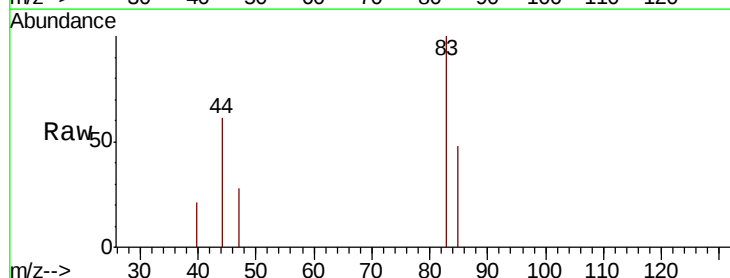
Instrument :
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BP-VPB178-GW-198-200

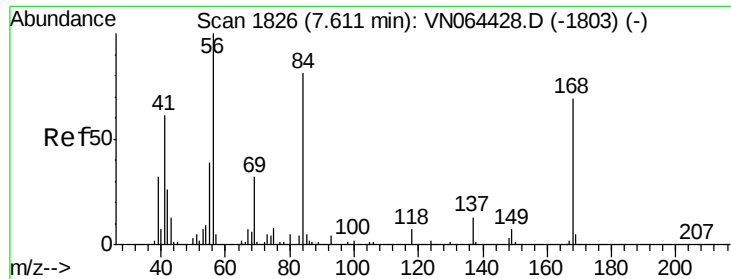
Tot Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
72 34.0 18.5 27.7#



#30
Chloroform
Concen: 0.325 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 83 Resp: 2087
Ion Ratio Lower Upper
83 100
85 48.1 52.5 78.7#

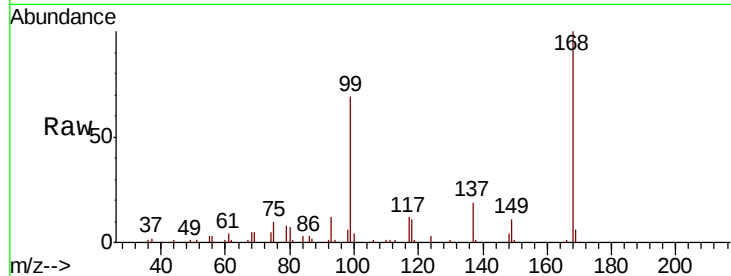




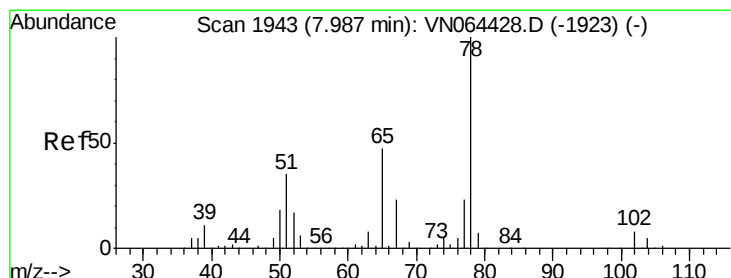
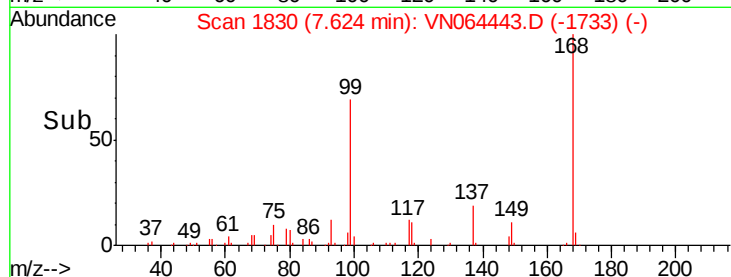
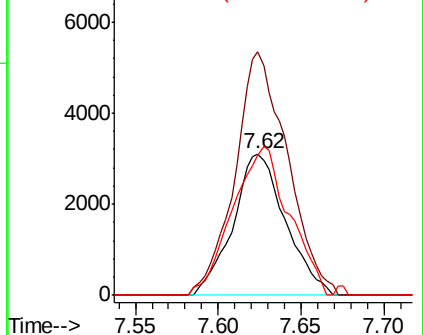
#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-198-200

Tot Ion: 56 Resp: 6844
Ion Ratio Lower Upper
56 100
69 171.9 25.6 38.4#
84 98.8 63.0 94.6#

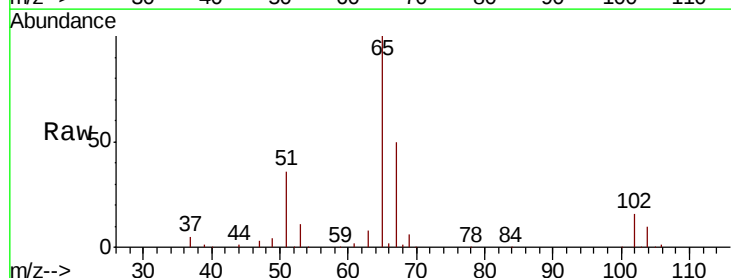


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

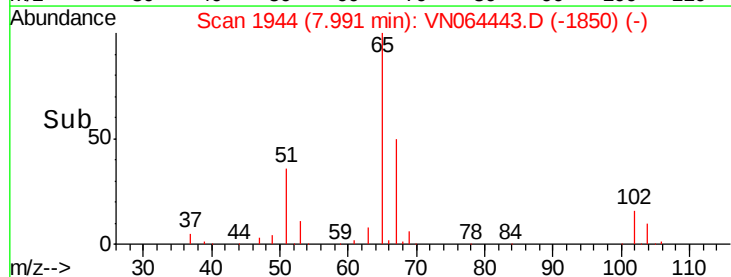
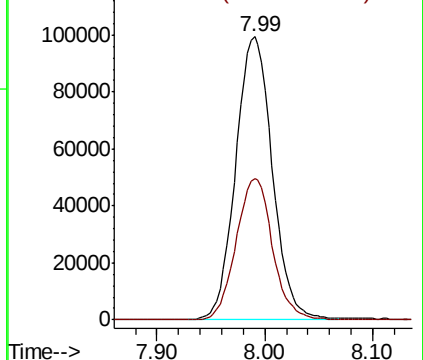


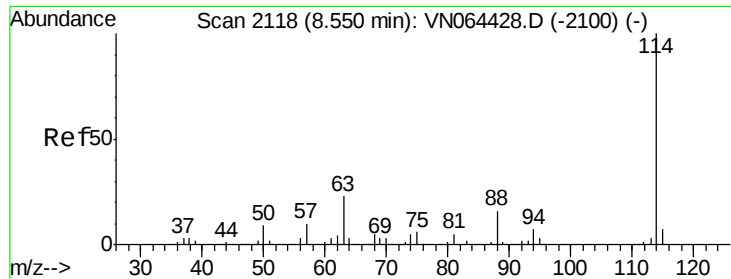
#33
1,2-Dichloroethane-d4
Concen: 53.979 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 65 Resp: 235174
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.6



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

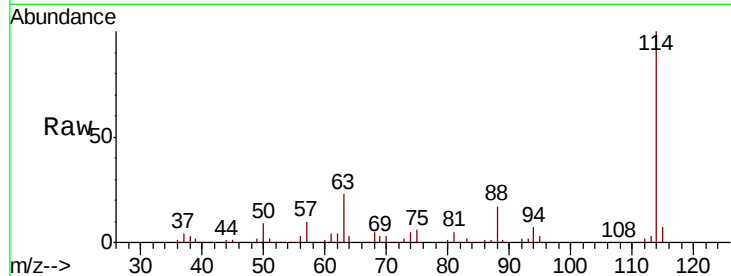




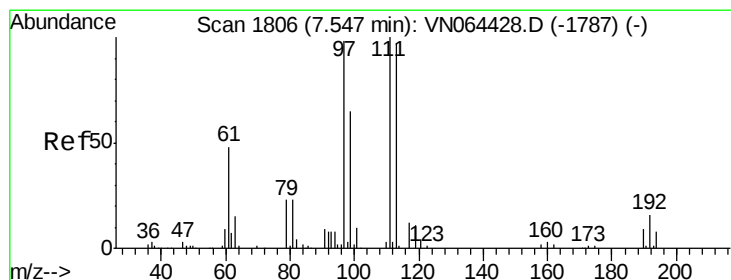
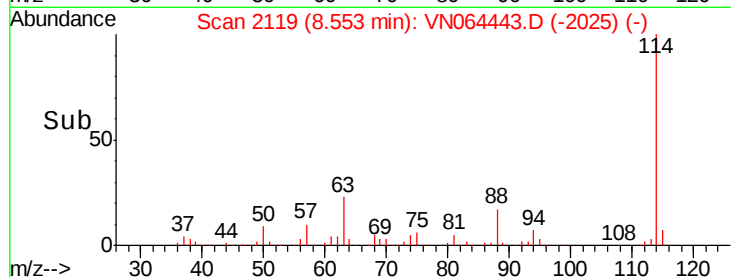
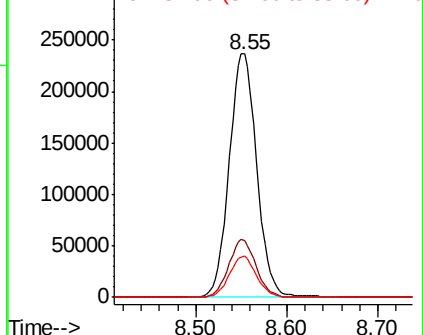
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Instrument :
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 BP-VPB178-GW-198-200

Tot Ion:114 Resp: 497166
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.6
 88 16.8 0.0 32.8

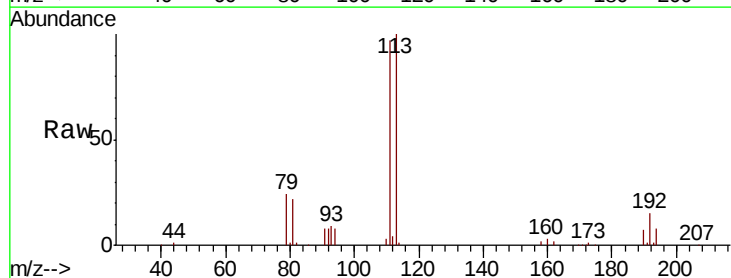


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

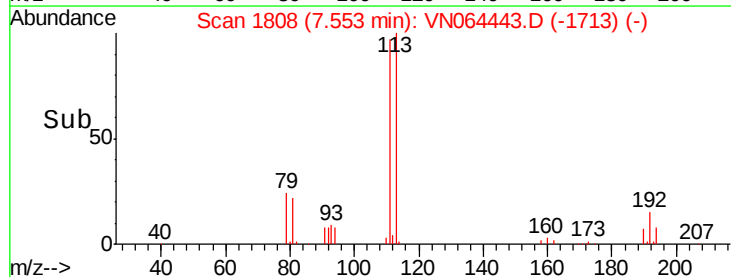
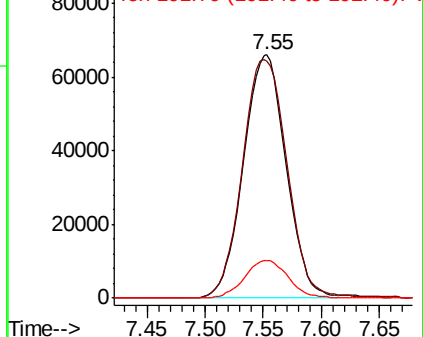


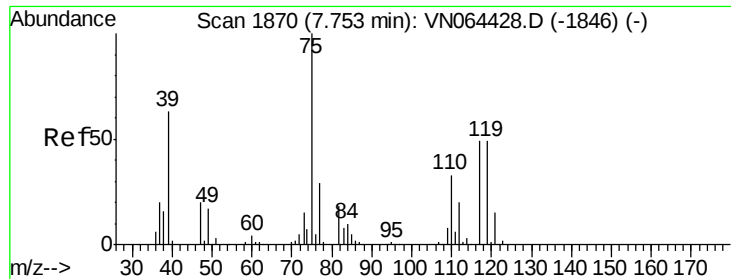
#35
 Dibromofluoromethane
 Concen: 49.964 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Tgt Ion:113 Resp: 169128
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 15.8 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

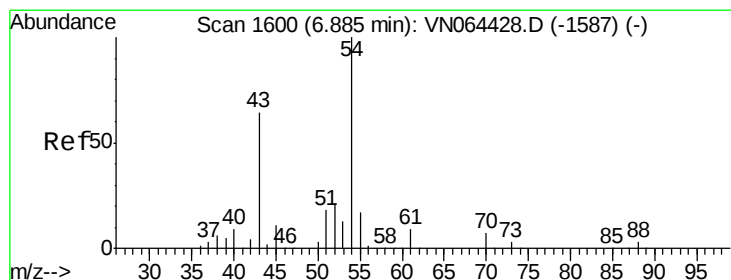
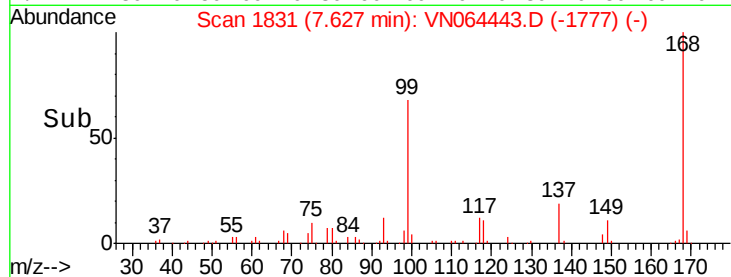
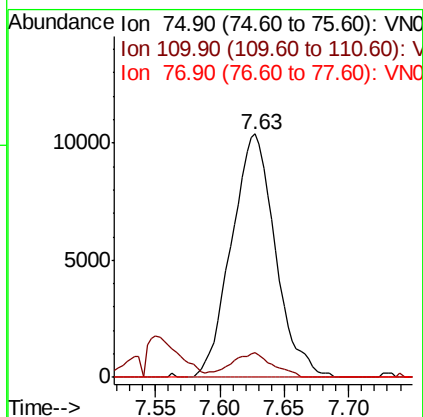
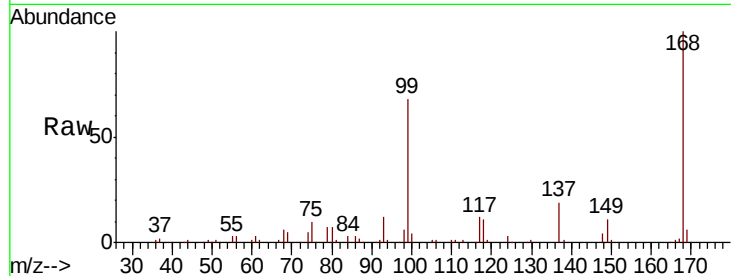




#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

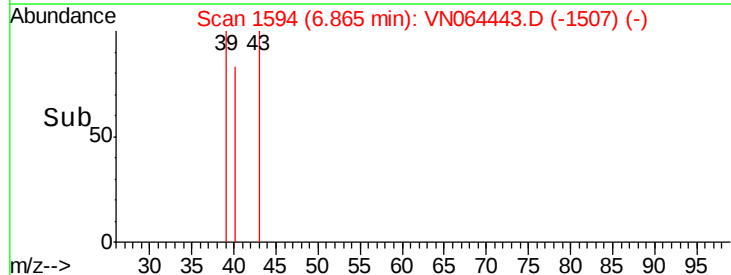
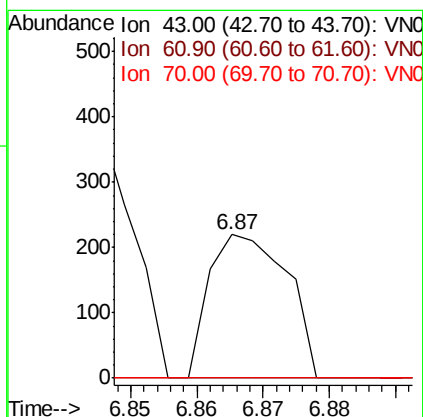
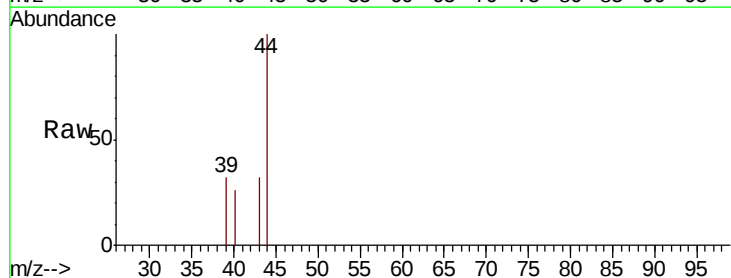
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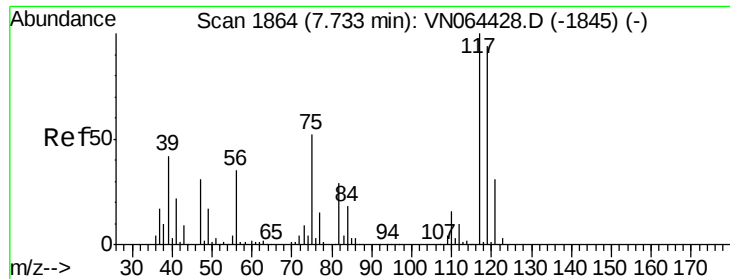
Tot Ion: 75 Resp: 24545
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.795 ug/l
 RT: 6.87 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 179
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.121 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-198-200

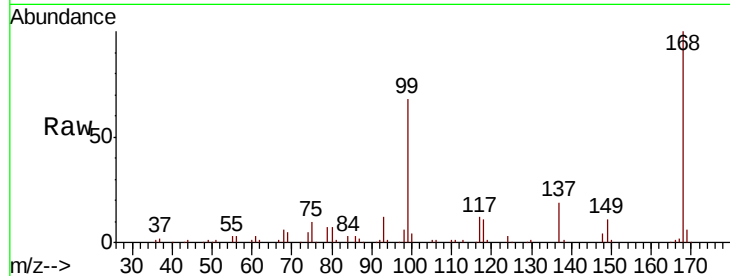
Tot Ion:117 Resp: 28745

Ion Ratio Lower Upper

117 100

119 6.0 75.5 113.3#

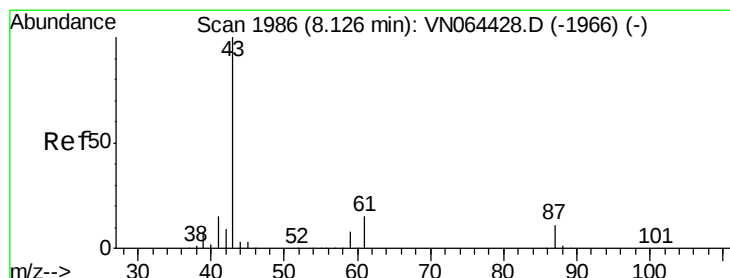
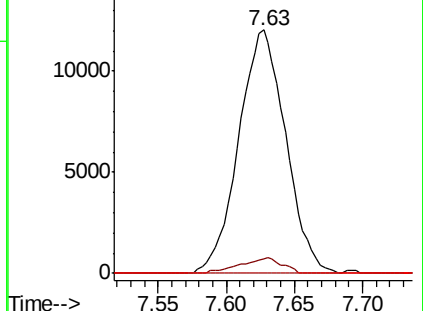
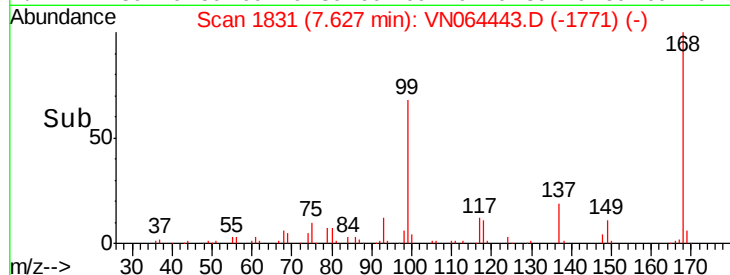
121 0.0 24.4 36.6#



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



#43

Isopropyl Acetate

Concen: 0.335 ug/l

RT: 8.25 min Scan# 2025

Delta R.T. 0.13 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

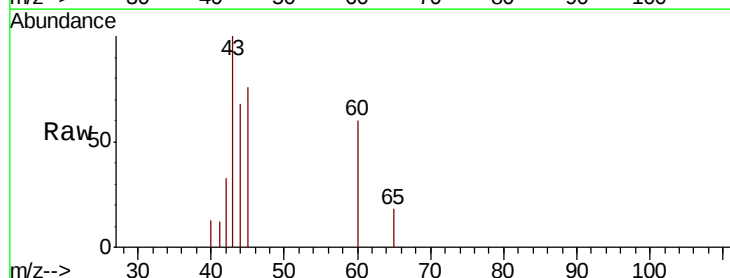
Tgt Ion: 43 Resp: 2855

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

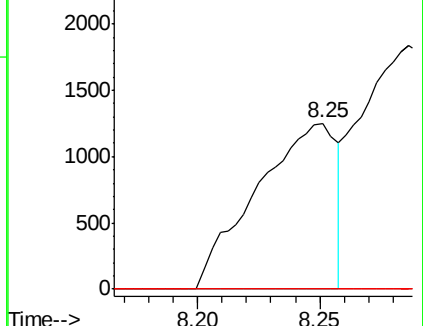
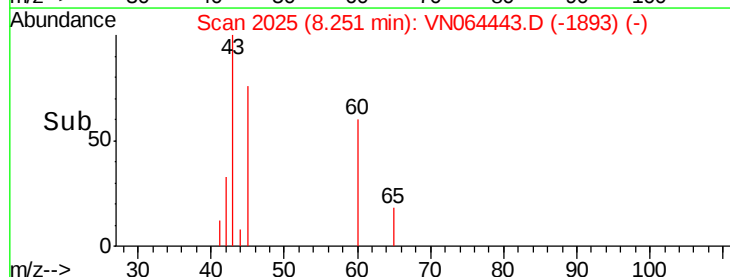
87 0.0 9.1 13.7#

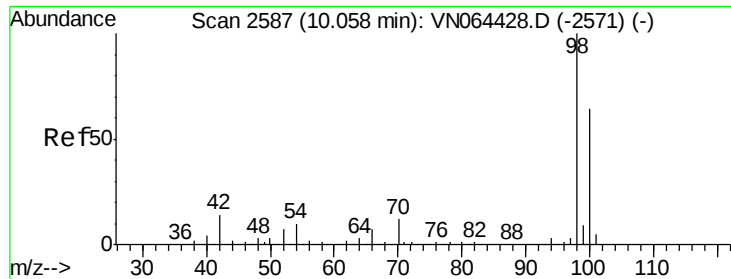


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

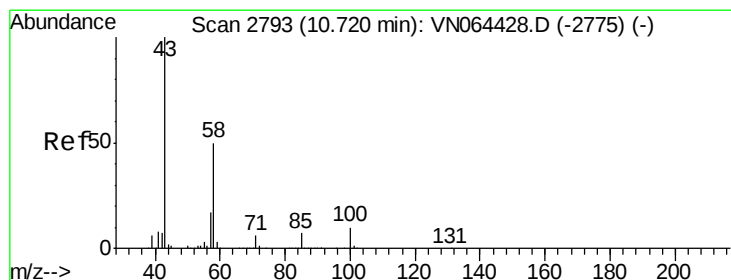
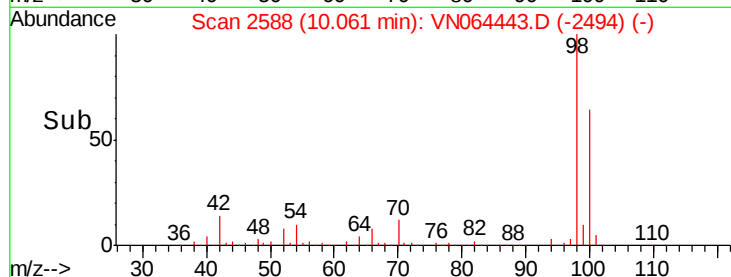
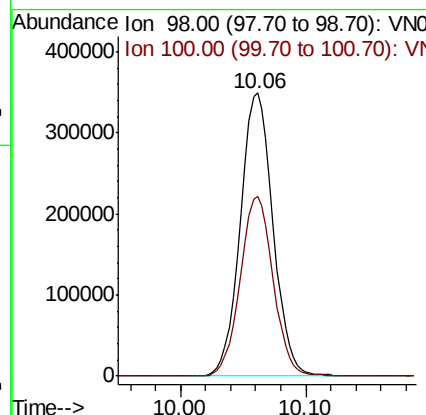
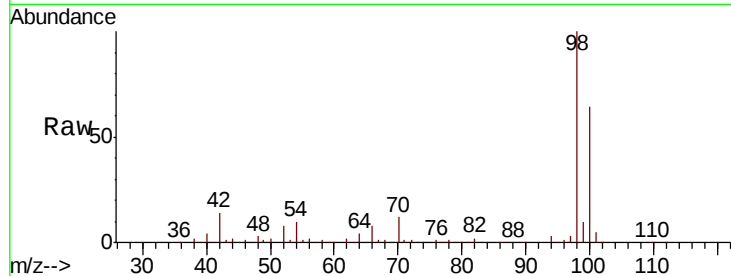




#50
Toluene-d8
Concen: 48.384 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

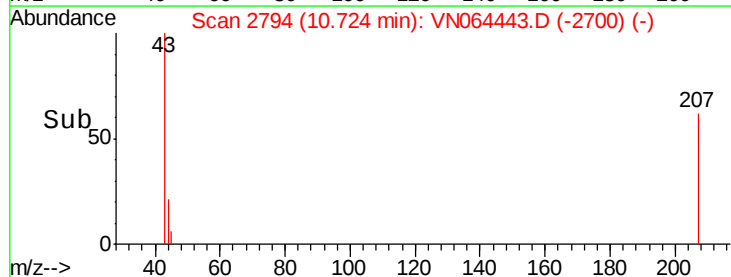
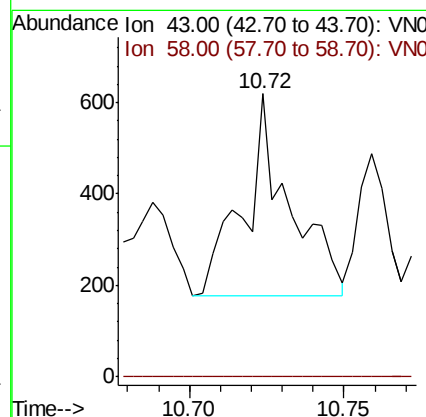
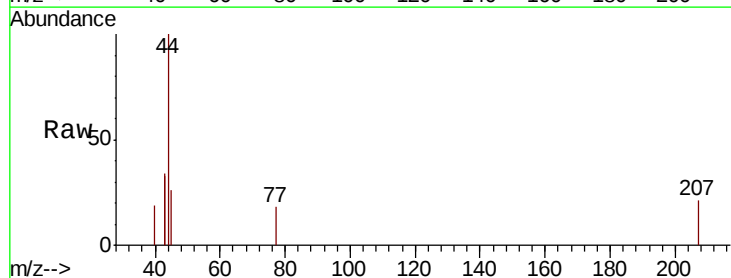
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-198-200

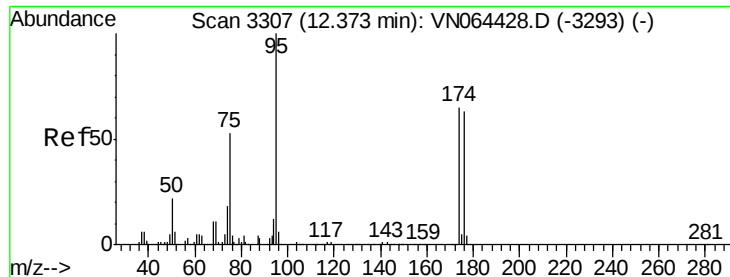
Tot Ion: 98 Resp: 633007
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



#59
2-Hexanone
Concen: 4.139 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 50.442 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-198-200

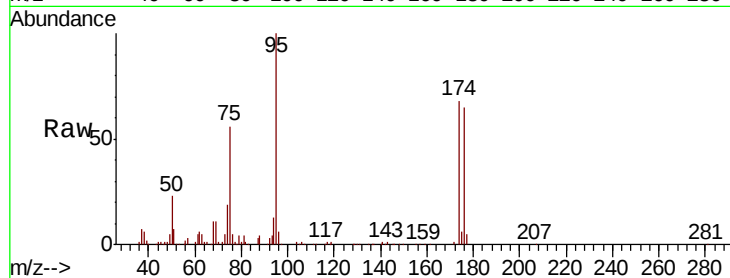
Tot Ion: 95 Resp: 249580

Ion Ratio Lower Upper

95 100

174 68.9 0.0 132.6

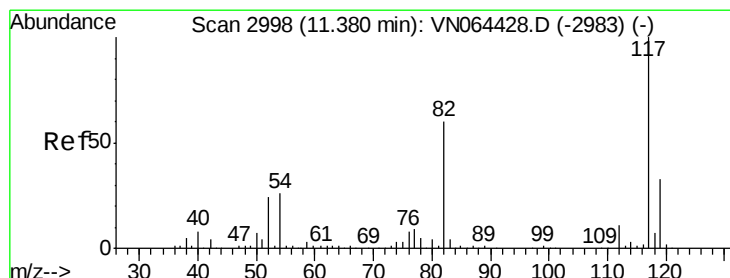
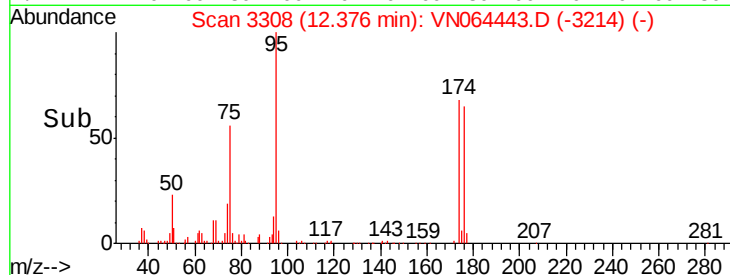
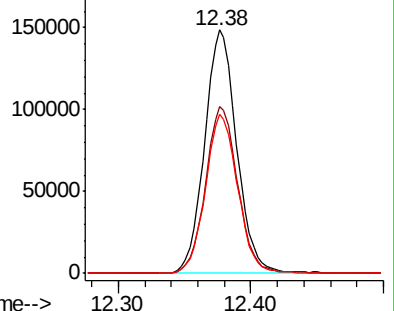
176 65.6 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064443.D (-3214) (-)

Ion 173.80 (173.50 to 174.50): VN064443.D (-3214) (-)

Ion 175.80 (175.50 to 176.50): VN064443.D (-3214) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

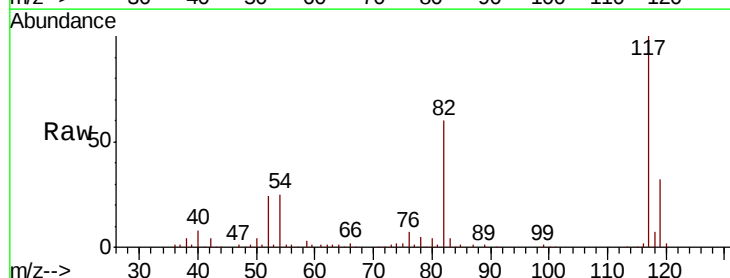
Tgt Ion: 117 Resp: 518530

Ion Ratio Lower Upper

117 100

82 59.5 48.1 72.1

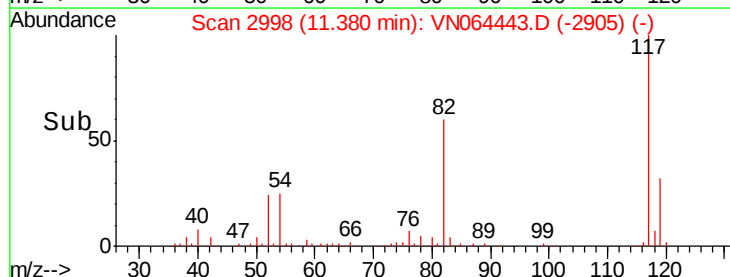
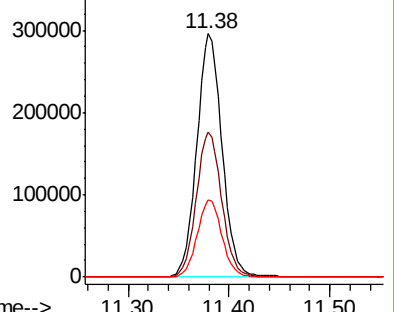
119 31.7 26.2 39.4

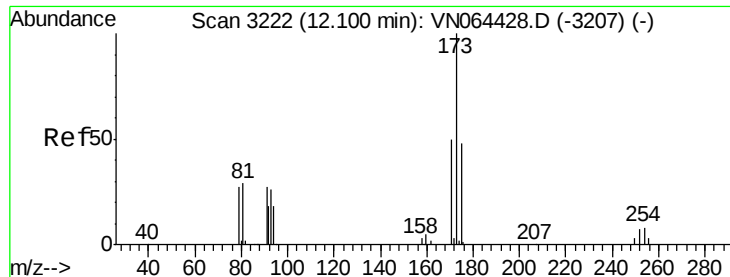


Abundance Ion 116.90 (116.60 to 117.60): VN064443.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN064443.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN064443.D (-2905) (-)

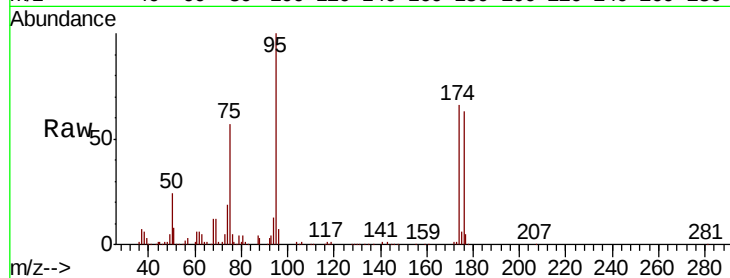




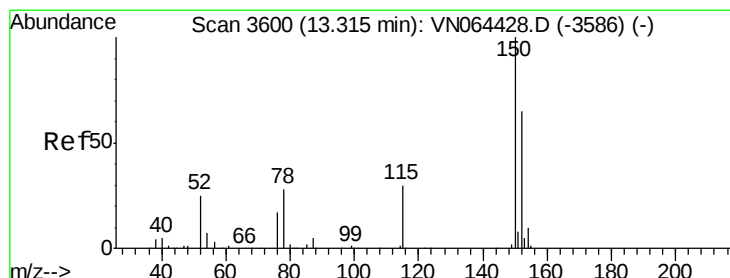
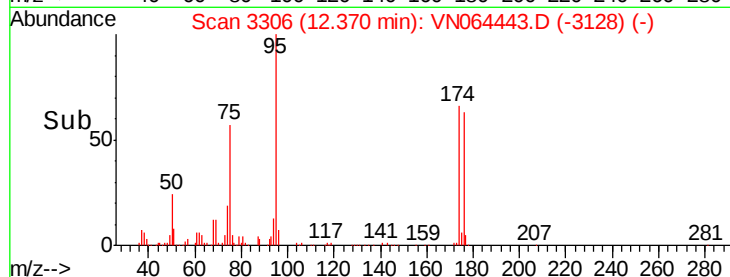
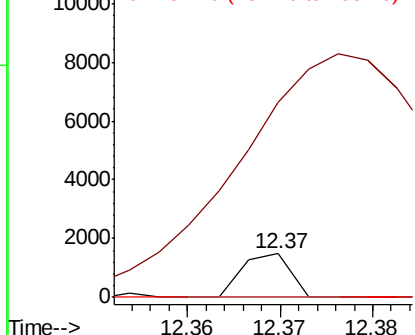
#71
Bromoform
Concen: 1.438 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-198-200

Tot Ion:173 Resp: 532
Ion Ratio Lower Upper
173 100
175 2099.6 23.7 71.1#
254 0.0 0.0 0.0

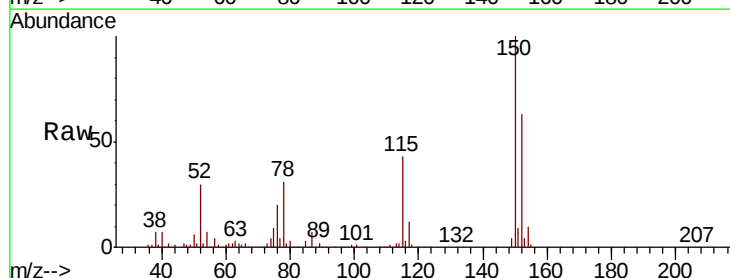


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

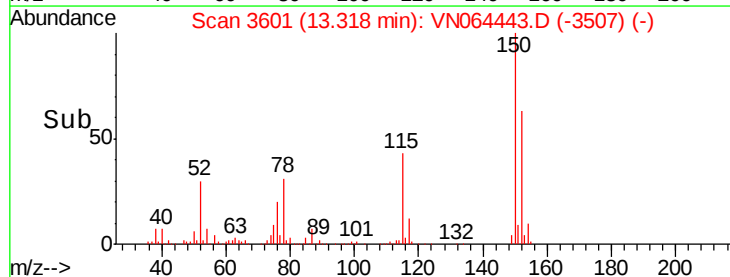
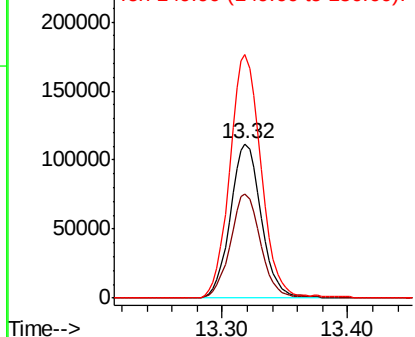


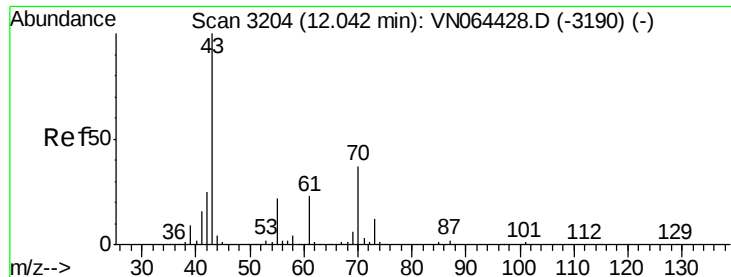
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion:152 Resp: 191303
Ion Ratio Lower Upper
152 100
115 66.6 32.0 96.0
150 159.9 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-amvl acetate

Concen: 1.249 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

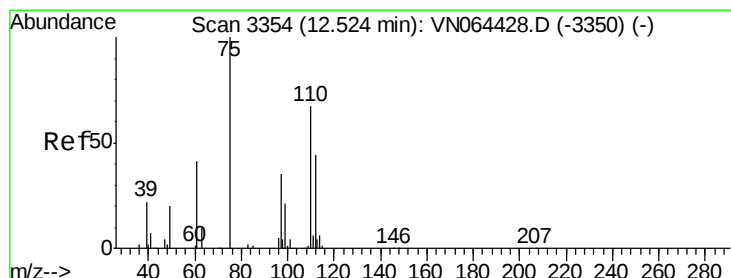
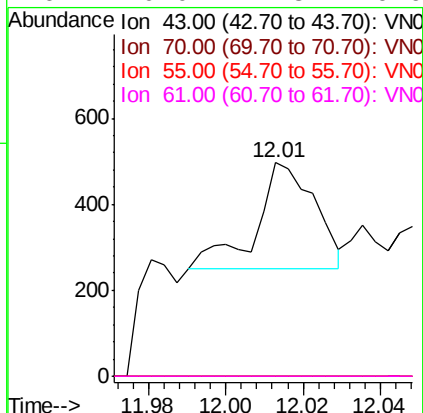
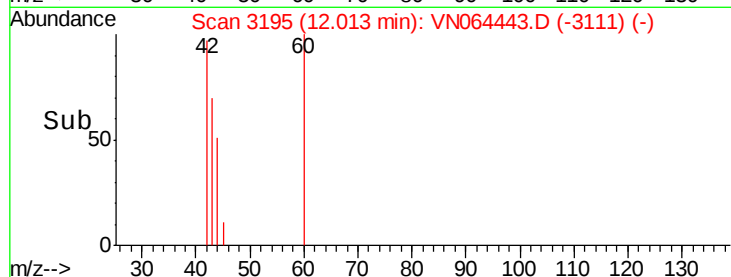
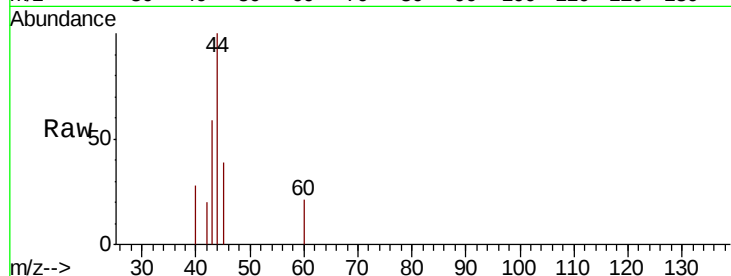
MSVOA_N

ClientSampleId :

BP-VPB178-GW-198-200

Tot Ion: 43 Resp: 259

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.6	44.4#
55	0.0	18.4	27.6#
61	0.0	17.8	26.6#



#76

1,2,3-Trichloropropane

Concen: 29.932 ug/l

RT: 12.38 min Scan# 3308

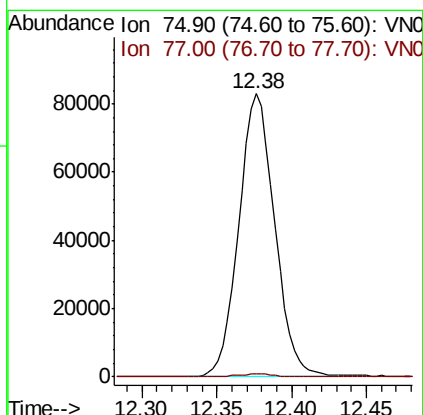
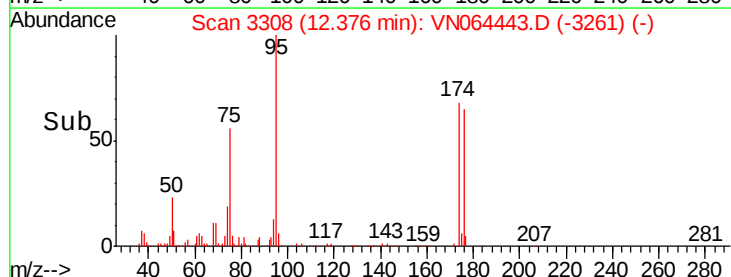
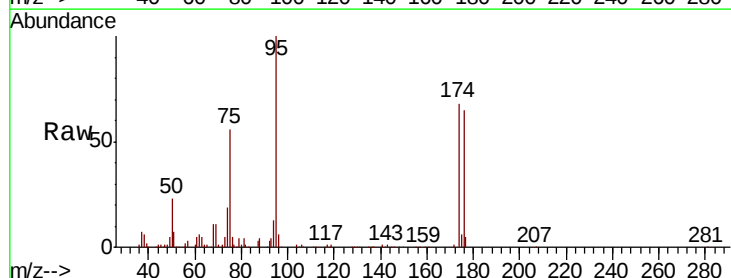
Delta R.T. -0.15 min

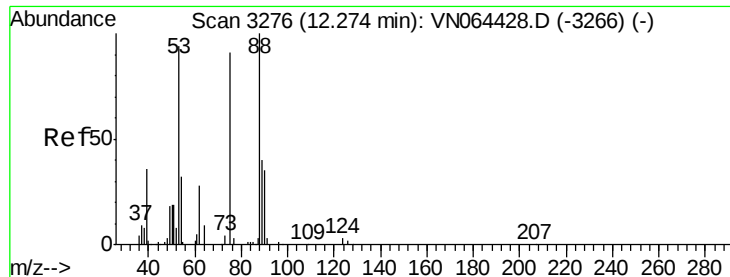
Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Tgt Ion: 75 Resp: 138737

Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 83.573 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-198-200

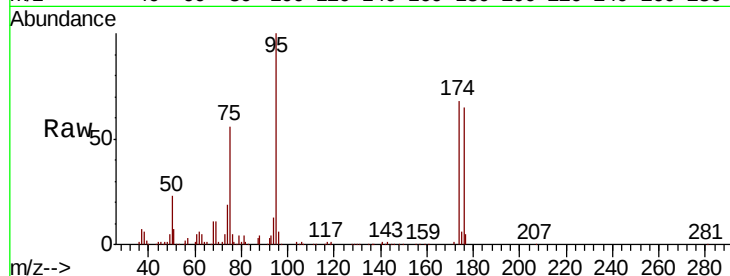
Tot Ion: 75 Resp: 138737

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

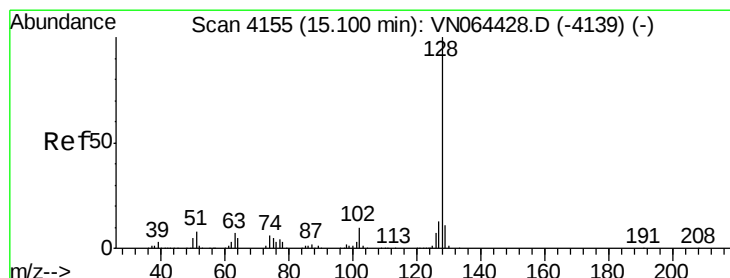
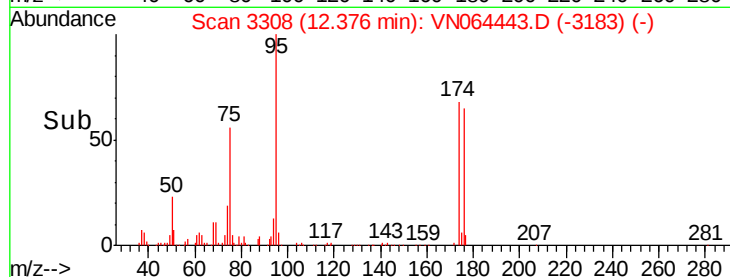
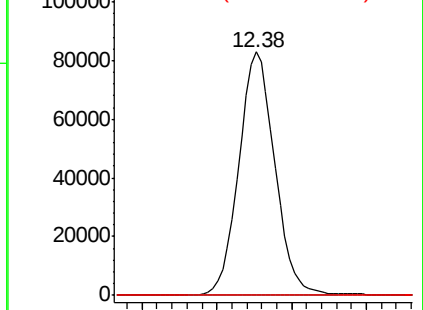
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064443.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064443.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064443.D (-3183) (-)



#95

Naphthalene

Concen: 3.722 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

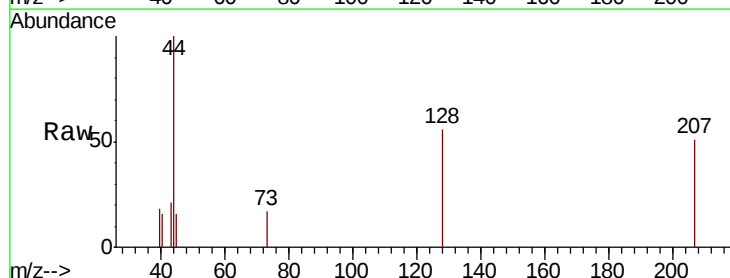
Tgt Ion: 128 Resp: 1119

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN064443.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN064443.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN064443.D (-4062) (-)

