

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064555.D
 Acq On : 11 Nov 2020 15:13
 Operator : JC/MD
 Sample : L4684-05DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-438-440DL

Quant Time: Nov 12 01:32:22 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	240134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	488723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	512850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	187376	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	236208	56.47	ug/l	0.00
Spiked Amount			Recovery	=	112.94%	
35) Dibromofluoromethane	7.55	113	174457	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.06	98	636014	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.38	95	236729	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

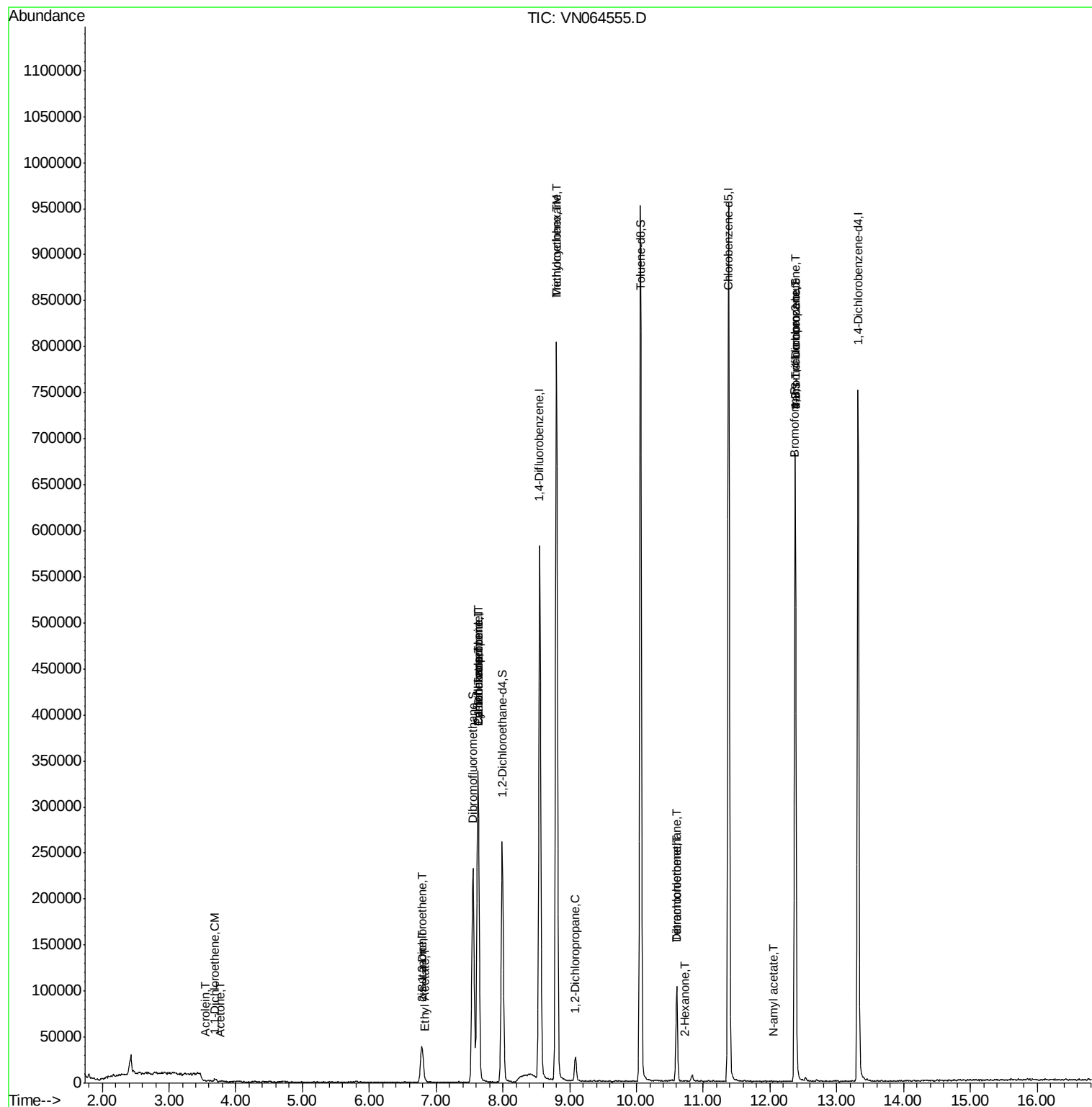
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.69	96	638	0.248	ug/l #	50
13) Acrolein	3.55	56	95	0.332	ug/l	94
16) Acetone	3.77	43	694	0.436	ug/l #	48
25) 2-Butanone	6.79	43	470	0.232	ug/l #	52
27) cis-1,2-Dichloroethene	6.79	96	17340	5.132	ug/l	93
31) Cyclohexane	7.63	56	7351	1.446	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	25114	4.864	ug/l #	50
37) Ethyl Acetate	6.84	43	50	0.772	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27927	5.061	ug/l #	17
39) Methylcyclohexane	8.80	83	4228	0.914	ug/l #	1
44) Trichloroethene	8.80	130	269684	70.454	ug/l	100
45) 1,2-Dichloropropane	9.08	63	9611	2.374	ug/l	99
59) 2-Hexanone	10.73	43	205	4.079	ug/l #	28
60) Dibromochloromethane	10.60	129	21040	5.207	ug/l #	10
64) Tetrachloroethene	10.60	164	20354	5.152	ug/l	96
71) Bromoform	12.36	173	421	1.405	ug/l #	1
74) N-amyl acetate	12.05	43	275	1.251	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	132826	29.257	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	132826	81.689	ug/l #	8

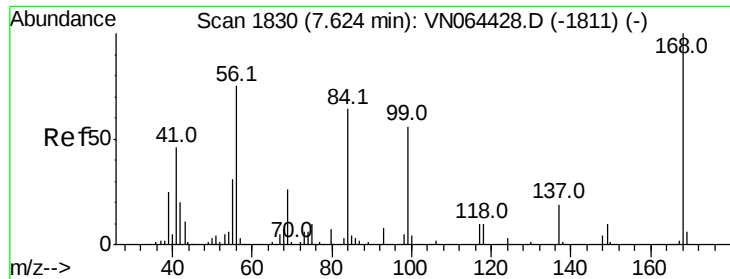
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

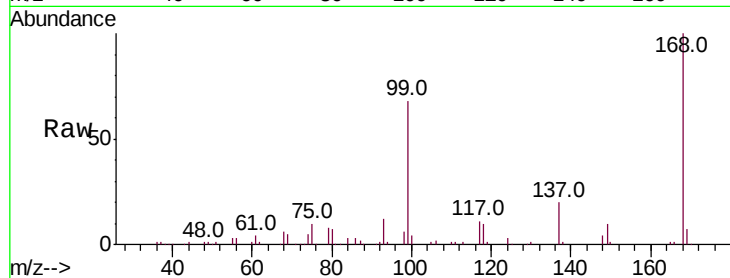
BP-VPB178-GW-438-440DL

Tot Ion:168 Resp: 240134

Ion Ratio Lower Upper

168 100

99 68.2 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

100000

80000

60000

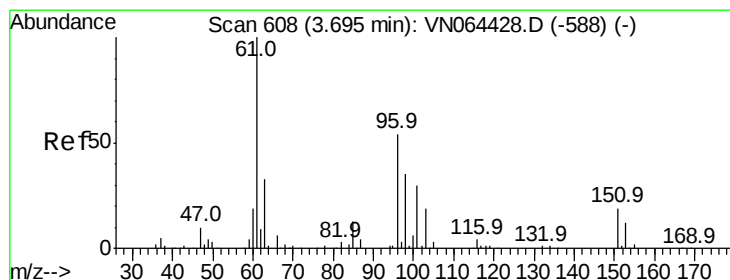
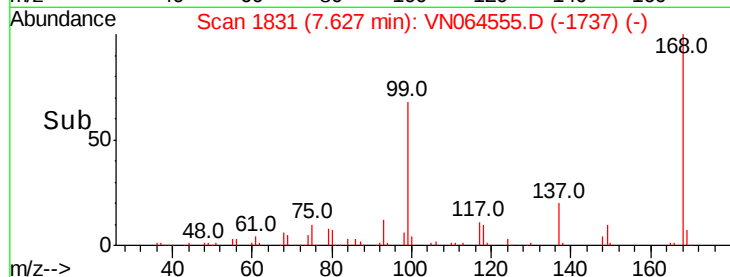
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#12

1,1-Dichloroethene

Concen: 0.248 ug/l

RT: 3.69 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

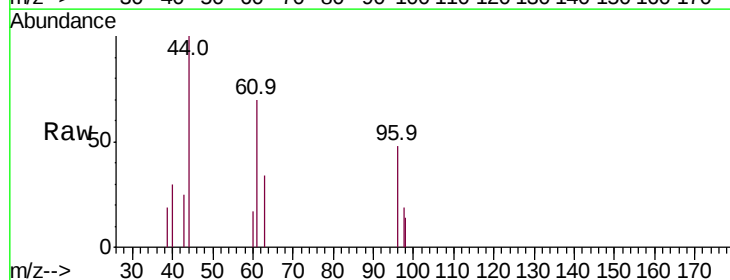
Tgt Ion: 96 Resp: 638

Ion Ratio Lower Upper

96 100

61 91.2 149.5 224.3#

98 70.0 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-588) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-588) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-588) (-)

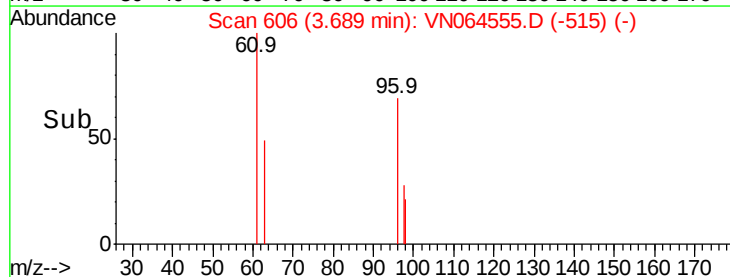
1000

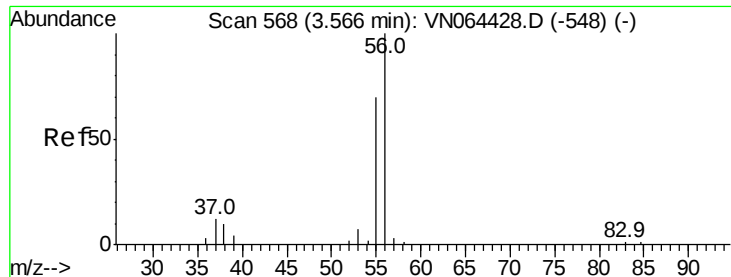
500

0

Time-->

3.66 3.68 3.70





#13

Acrolein

Concen: 0.332 ug/l

RT: 3.55 min Scan# 563

Delta R.T. -0.02 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

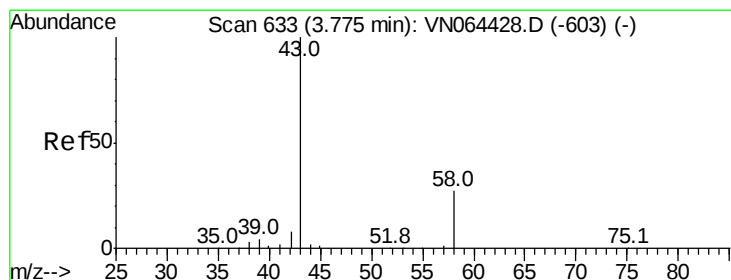
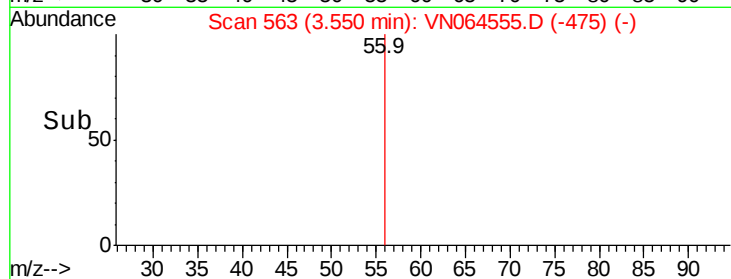
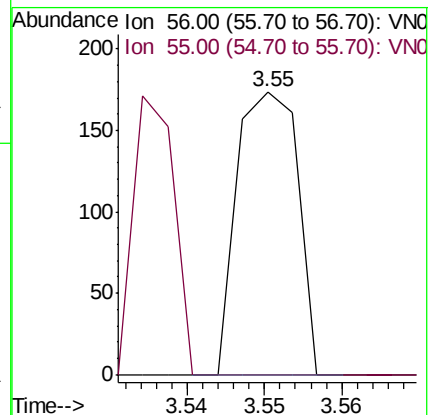
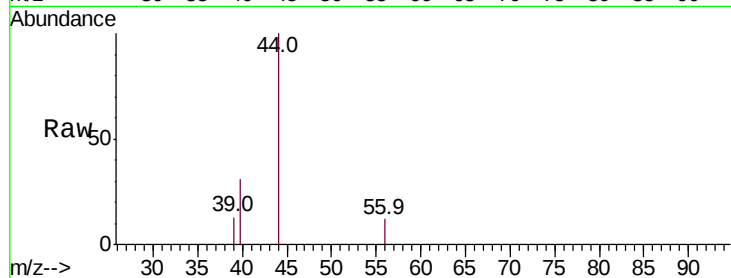
BP-VPB178-GW-438-440DL

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 65.3 55.9 83.9



#16

Acetone

Concen: 0.436 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064555.D

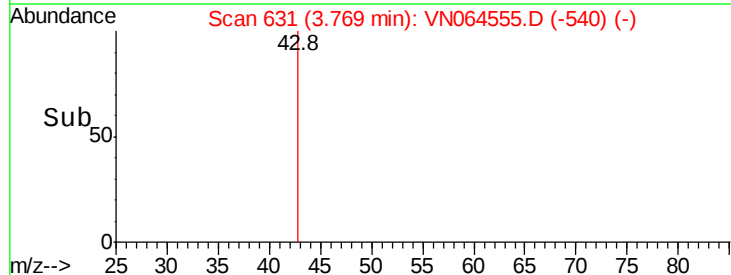
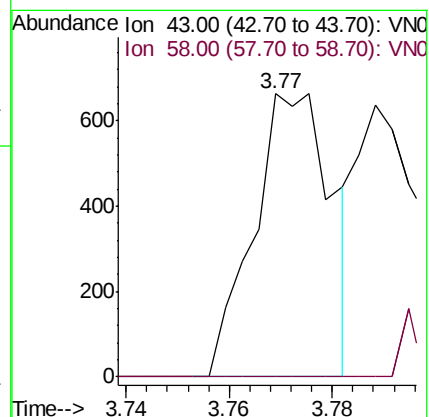
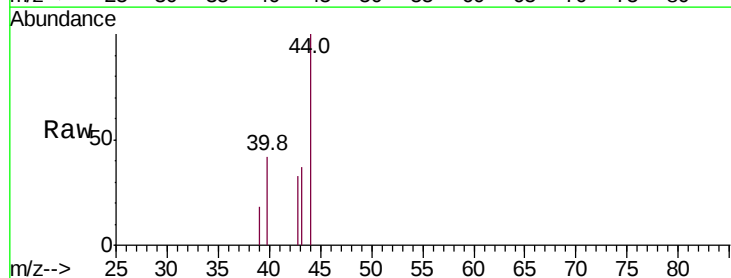
Acq: 11 Nov 2020 15:13

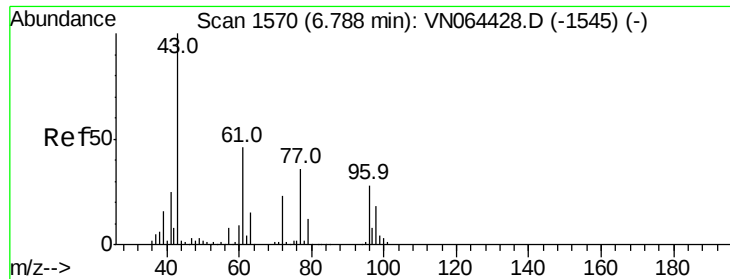
Tgt Ion: 43 Resp: 694

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#





#25

2-Butanone

Concen: 0.232 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

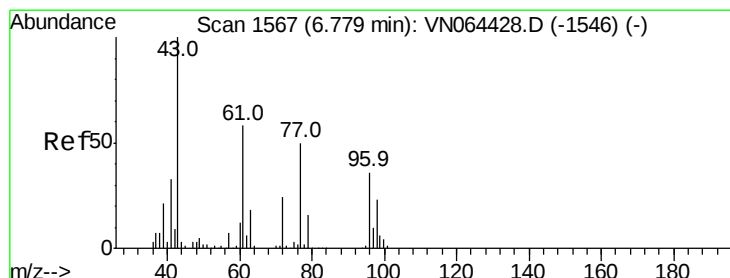
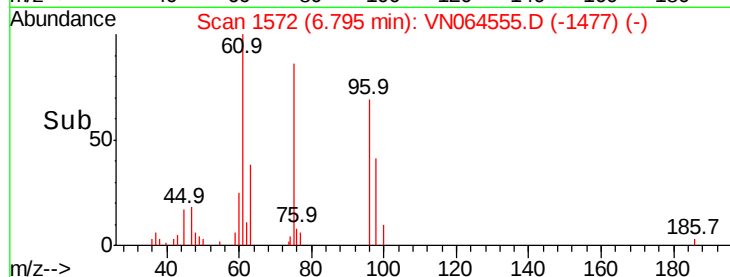
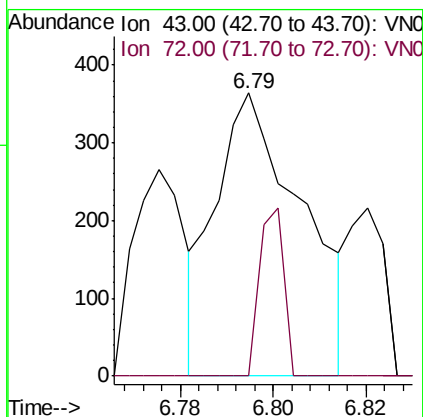
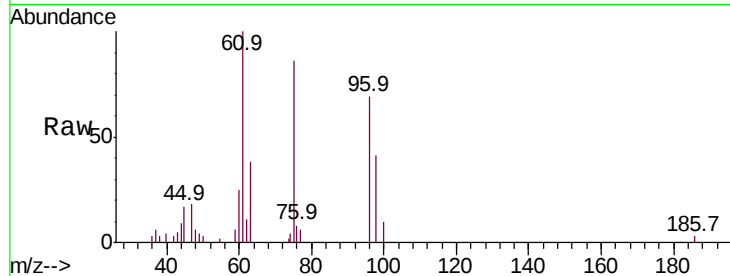
BP-VPB178-GW-438-440DL

Tot Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#27

cis-1,2-Dichloroethene

Concen: 5.132 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

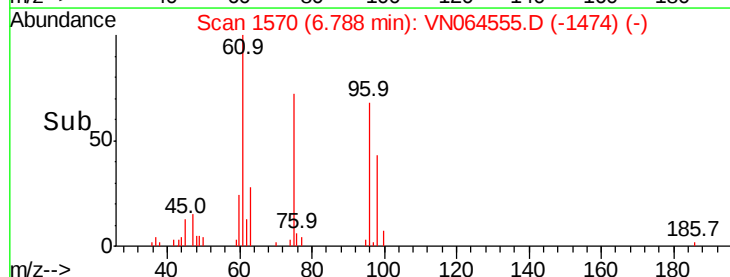
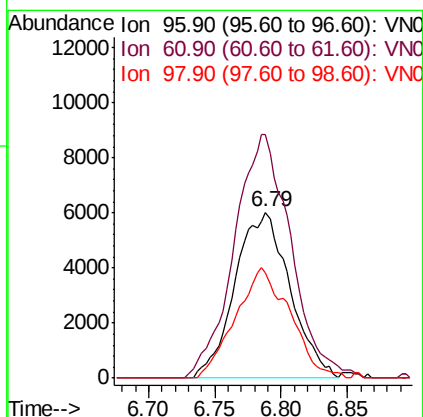
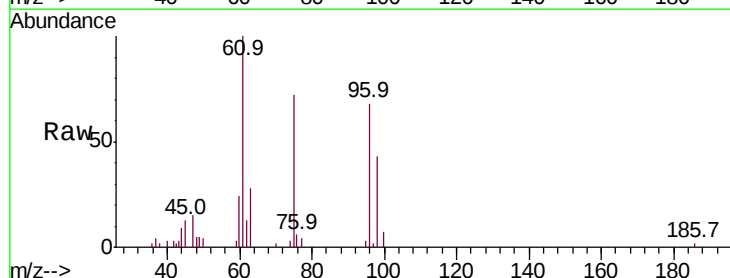
Tgt Ion: 96 Resp: 17340

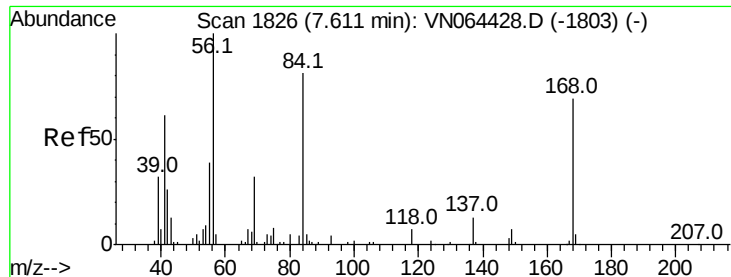
Ion Ratio Lower Upper

96 100

61 151.8 0.0 329.6

98 66.1 0.0 131.2

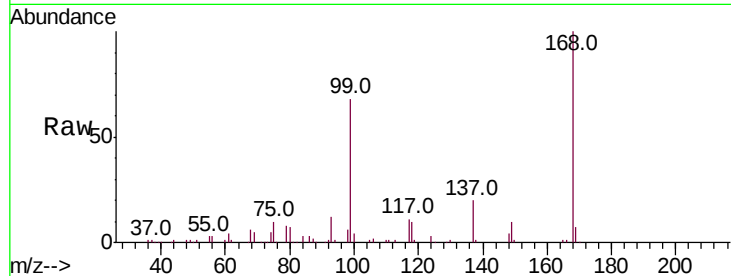




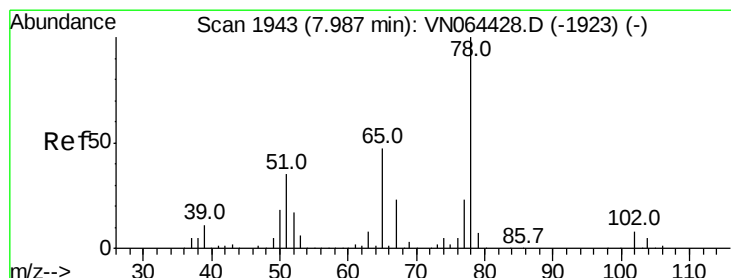
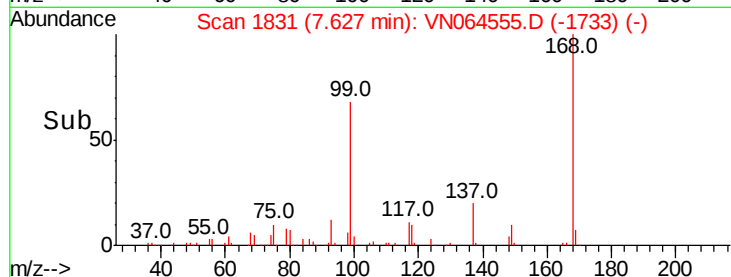
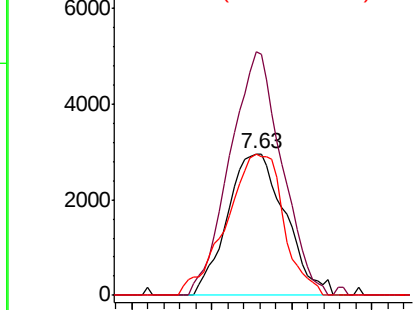
#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064555.D
Acq: 11 Nov 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-438-440DL

Tot Ion: 56 Resp: 7351
Ion Ratio Lower Upper
56 100
69 172.4 25.6 38.4#
84 99.7 63.0 94.6#

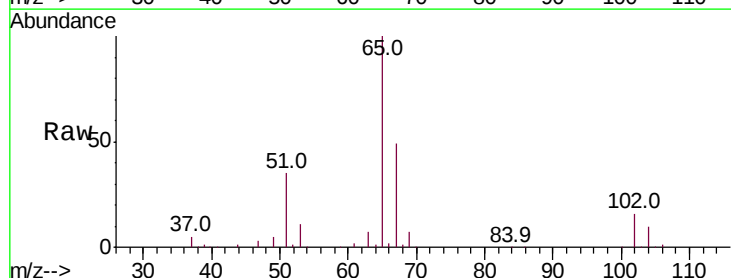


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

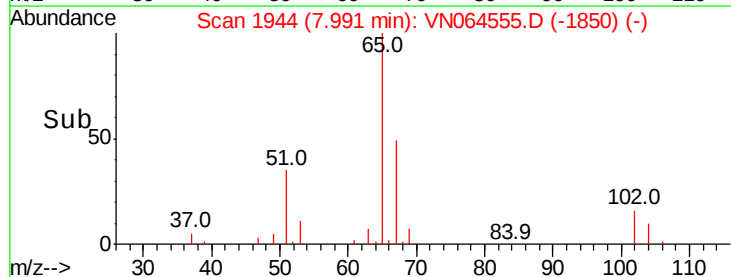
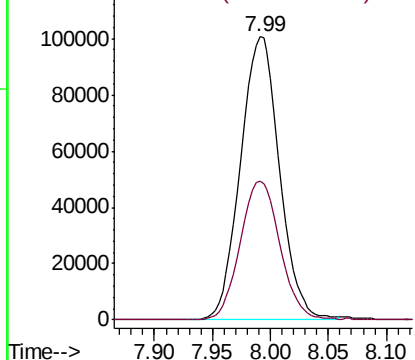


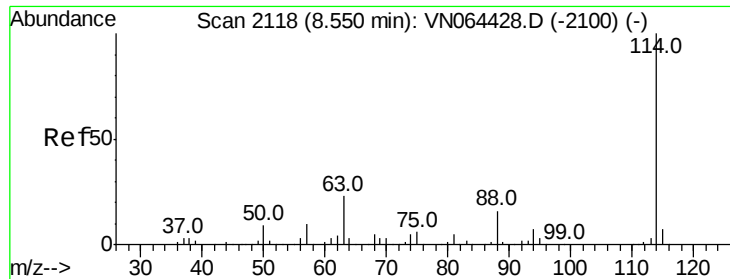
#33
1,2-Dichloroethane-d4
Concen: 56.472 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064555.D
Acq: 11 Nov 2020 15:13

Tgt Ion: 65 Resp: 236208
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

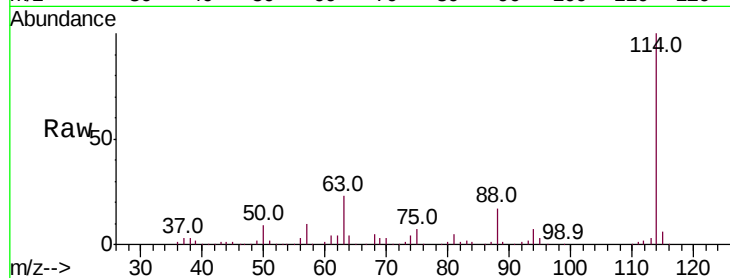




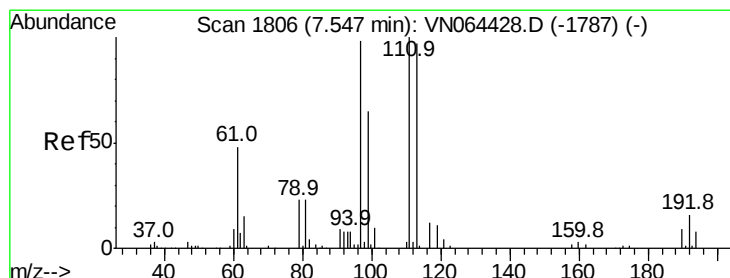
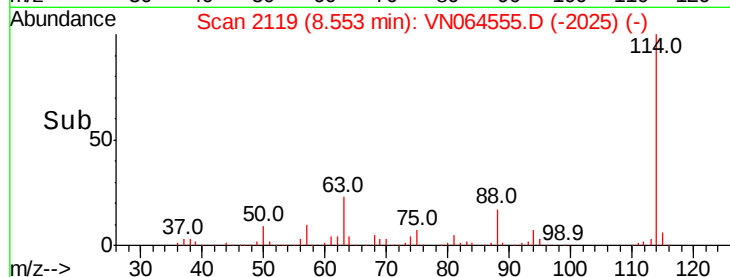
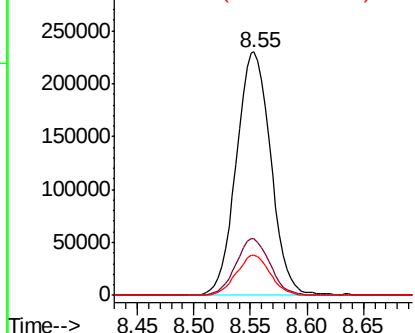
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064555.D
 Acq: 11 Nov 2020 15:13

Instrument :
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 BP-VPB178-GW-438-440DL

Tot Ion:114 Resp: 488723
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.5 0.0 32.8

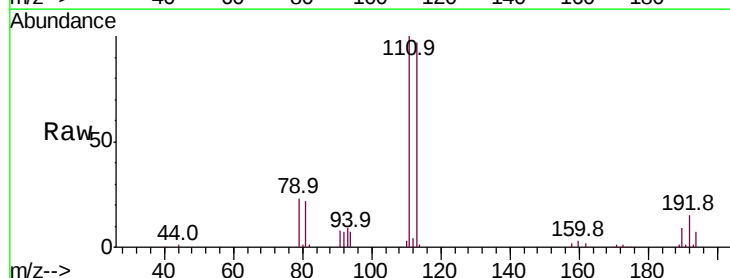


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

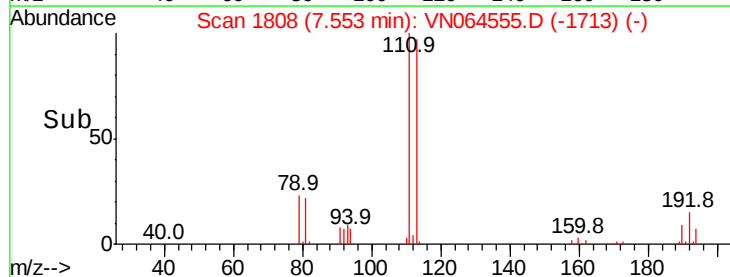
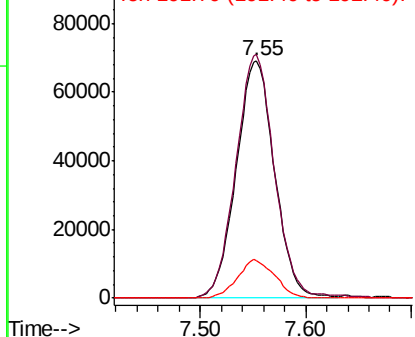


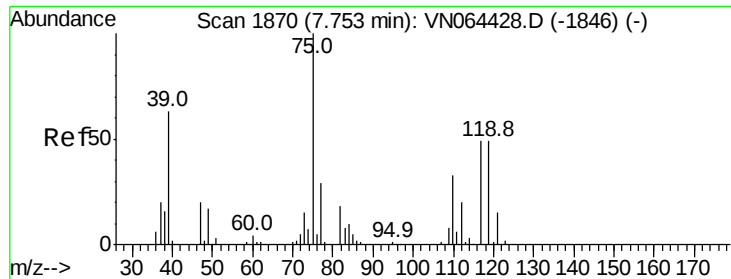
#35
 Dibromofluoromethane
 Concen: 52.428 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064555.D
 Acq: 11 Nov 2020 15:13

Tgt Ion:113 Resp: 174457
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.1 121.7
 192 15.9 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

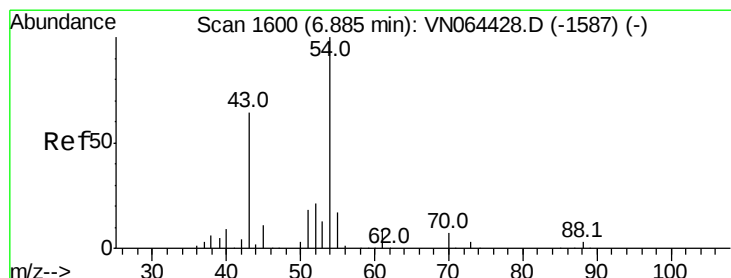
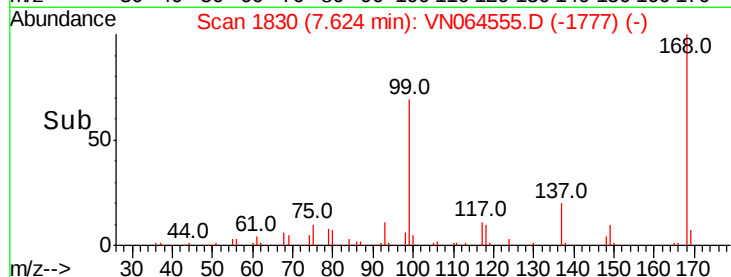
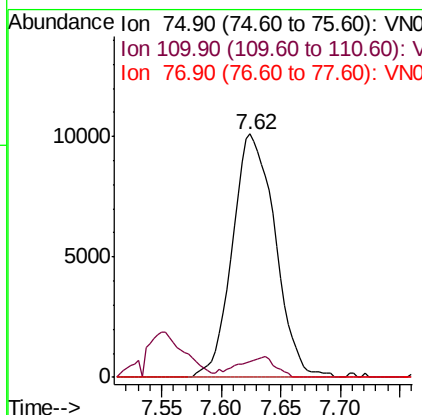
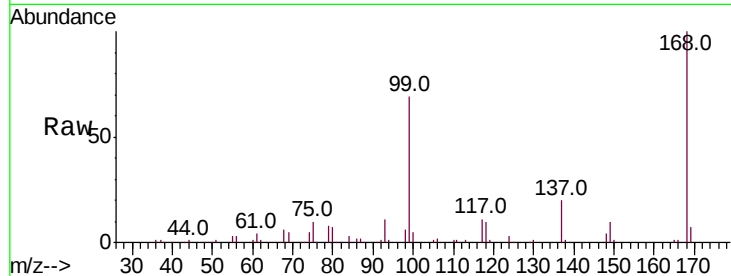




#36
 1,1-Dichloropropene
 Concen: 4.864 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064555.D
 Acq: 11 Nov 2020 15:13

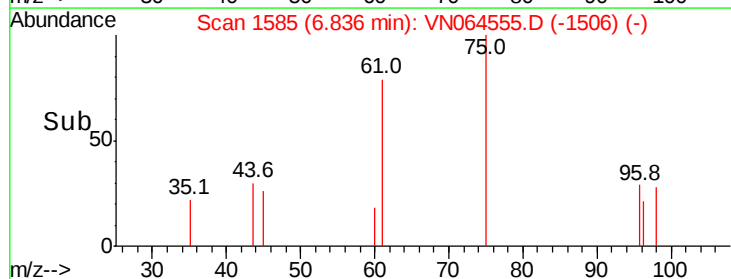
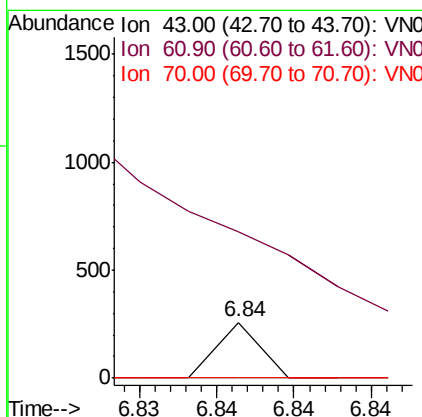
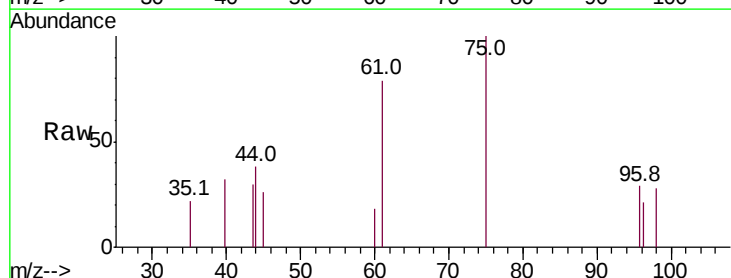
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 MSVOA_N
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 BP-VPB178-GW-438-440DL

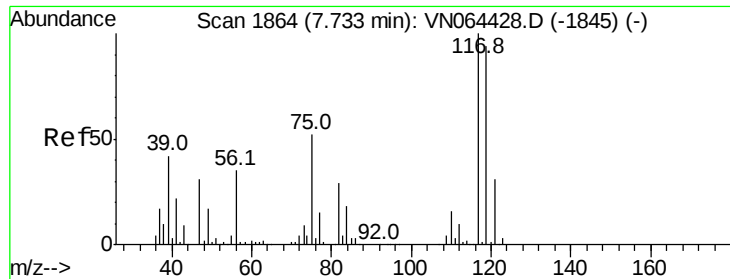
Tot Ion: 75 Resp: 25114
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.772 ug/l
 RT: 6.84 min Scan# 1585
 Delta R.T. -0.05 min
 Lab File: VN064555.D
 Acq: 11 Nov 2020 15:13

Tgt Ion: 43 Resp: 50
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.061 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-438-440DL

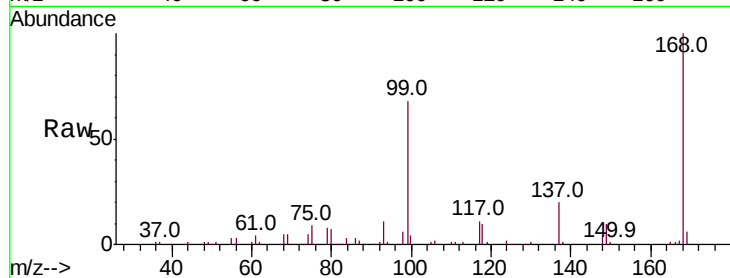
Tot Ion:117 Resp: 27927

Ion Ratio Lower Upper

117 100

119 5.8 75.5 113.3#

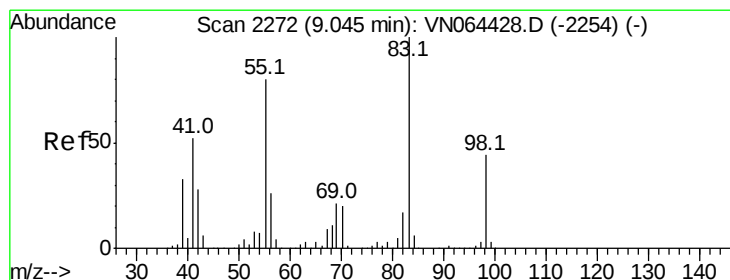
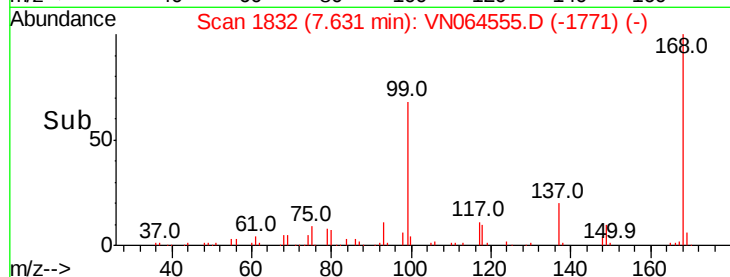
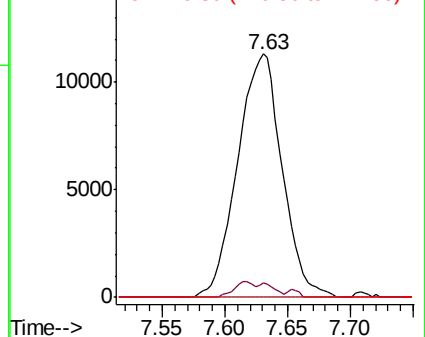
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 0.914 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.24 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

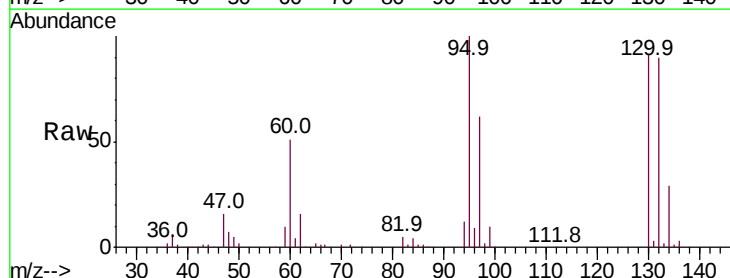
Tgt Ion: 83 Resp: 4228

Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.6#

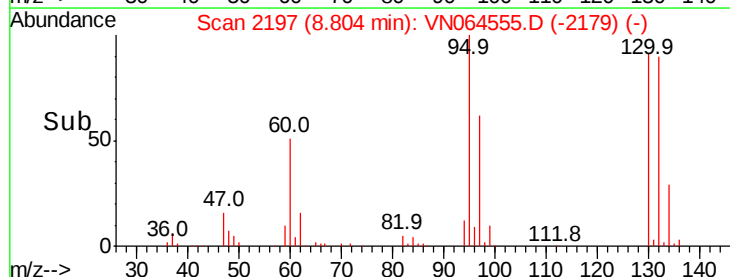
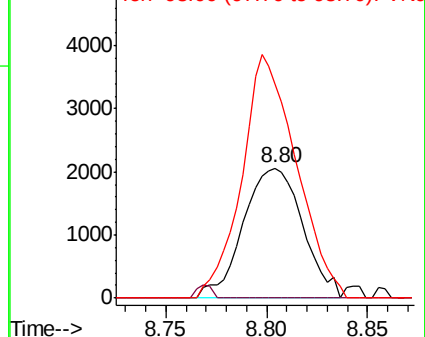
98 164.6 35.4 53.2#

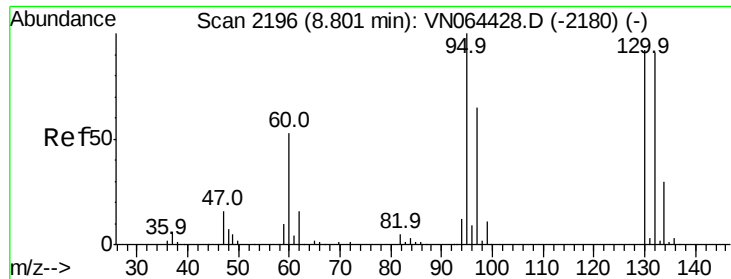


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#44

Trichloroethene

Concen: 70.454 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

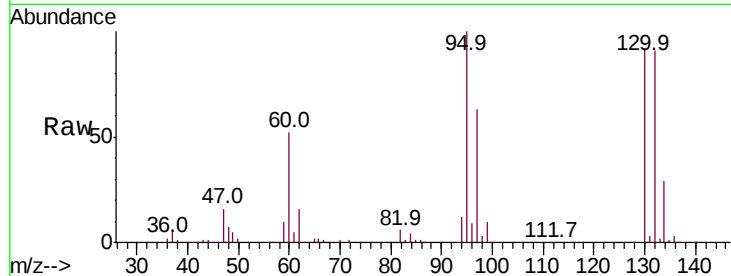
BP-VPB178-GW-438-440DL

Tot Ion:130 Resp: 269684

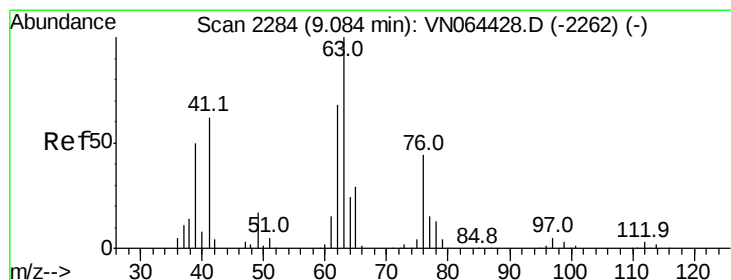
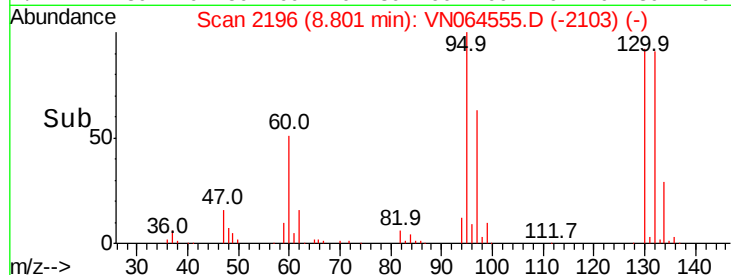
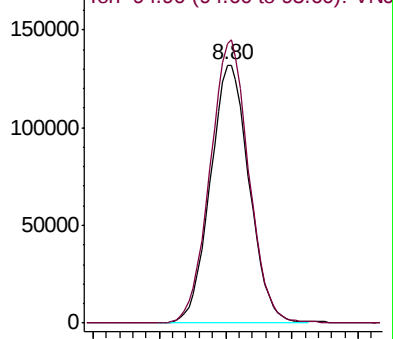
Ion Ratio Lower Upper

130 100

95 108.2 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)



#45

1,2-Dichloropropane

Concen: 2.374 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064555.D

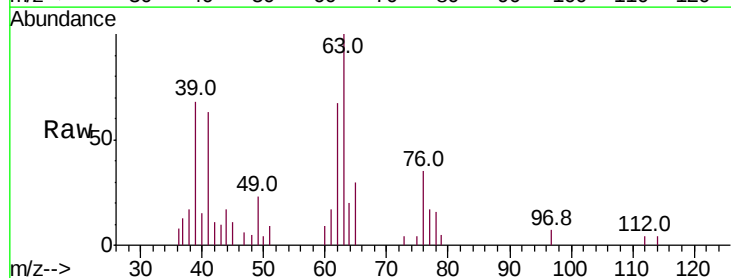
Acq: 11 Nov 2020 15:13

Tgt Ion: 63 Resp: 9611

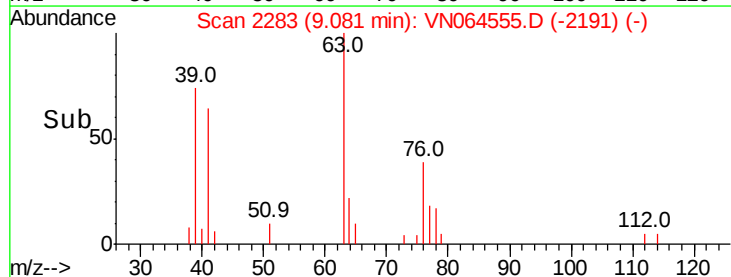
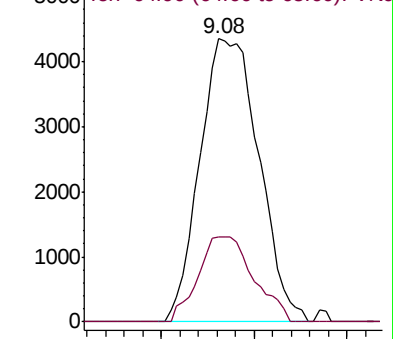
Ion Ratio Lower Upper

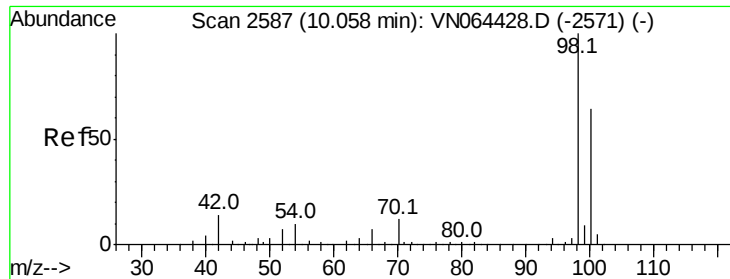
63 100

65 30.2 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2262) (-)





#50

Toluene-d8

Concen: 49.453 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

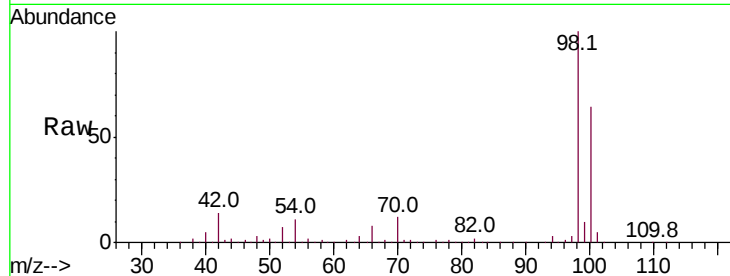
BP-VPB178-GW-438-440DL

Tot Ion: 98 Resp: 636014

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

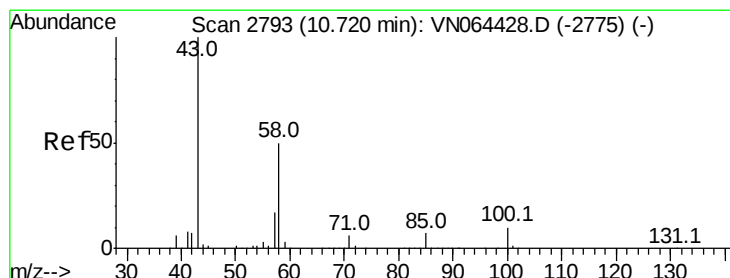
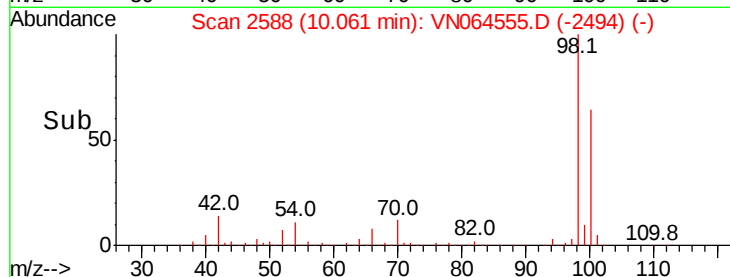
300000

200000

100000

0

Time-->



#59

2-Hexanone

Concen: 4.079 ug/l

RT: 10.73 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN064555.D

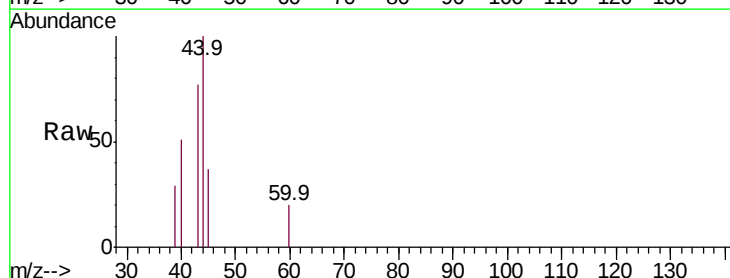
Acq: 11 Nov 2020 15:13

Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2775) (-)

10.73

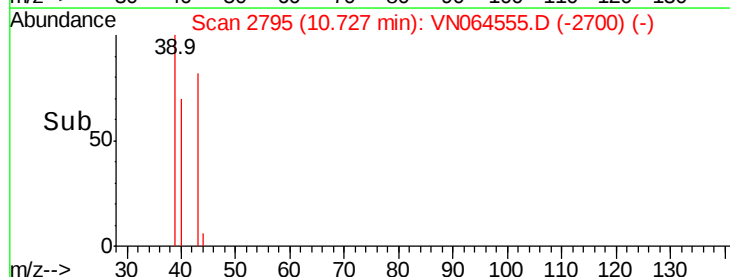
600

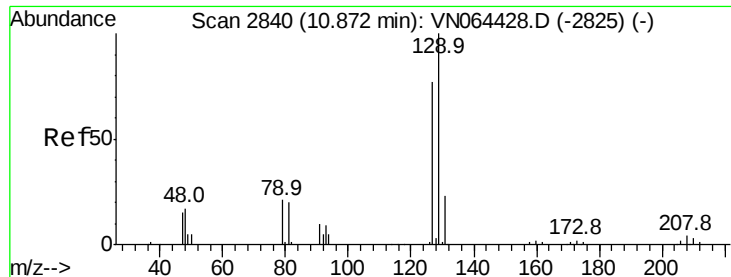
400

200

0

Time-->





#60

Dibromochloromethane

Concen: 5.207 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

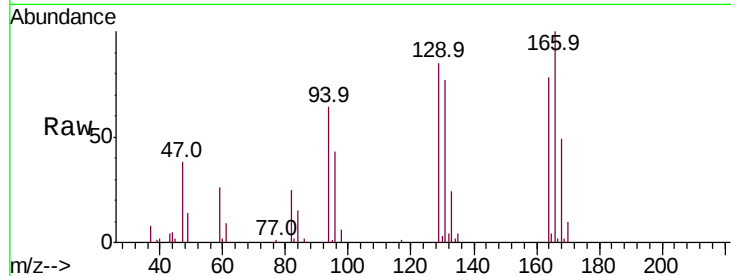
BP-VPB178-GW-438-440DL

Tot Ion:129 Resp: 21040

Ion Ratio Lower Upper

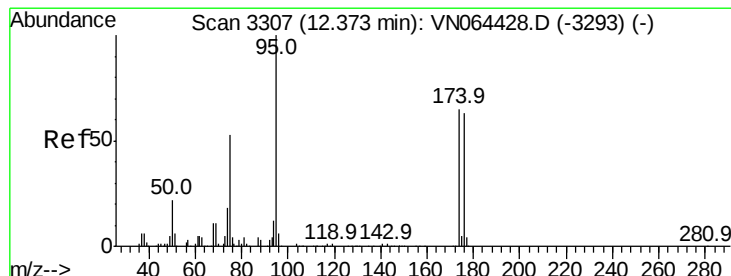
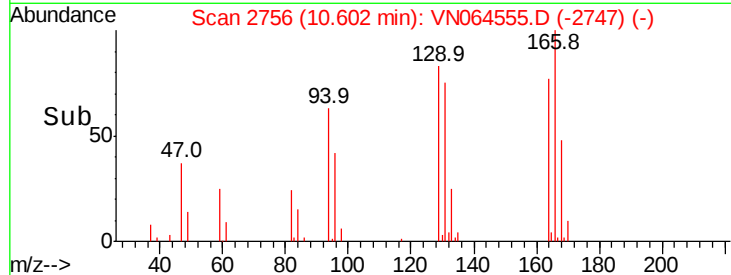
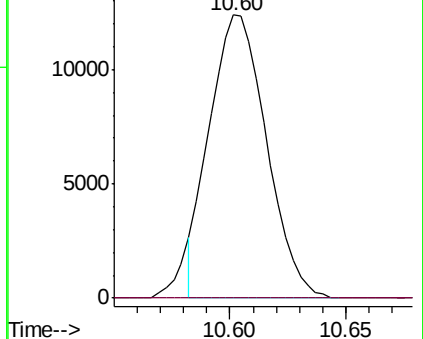
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.671 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

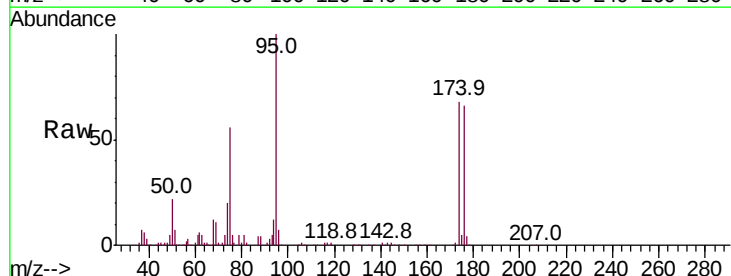
Tgt Ion: 95 Resp: 236729

Ion Ratio Lower Upper

95 100

174 69.5 0.0 132.6

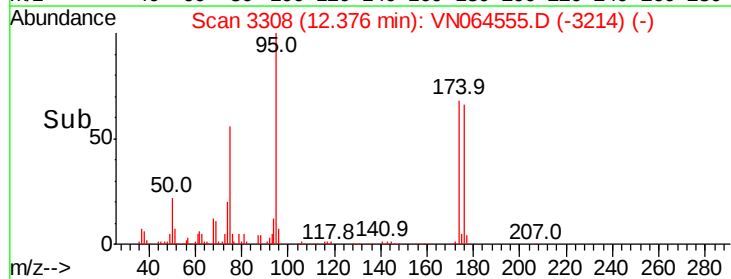
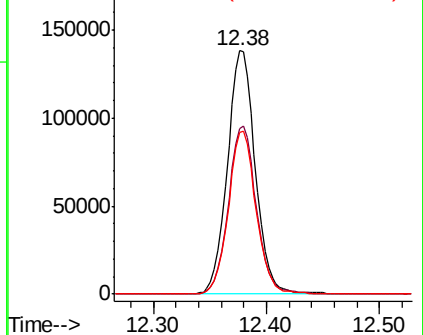
176 66.8 0.0 129.2

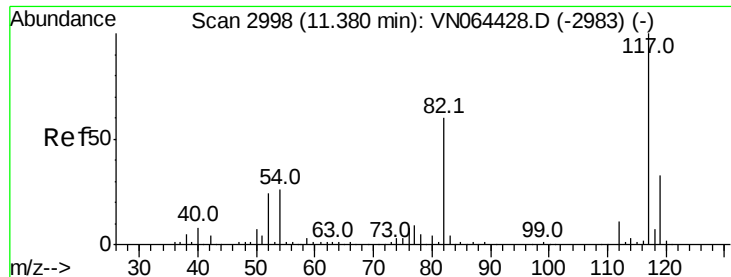


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

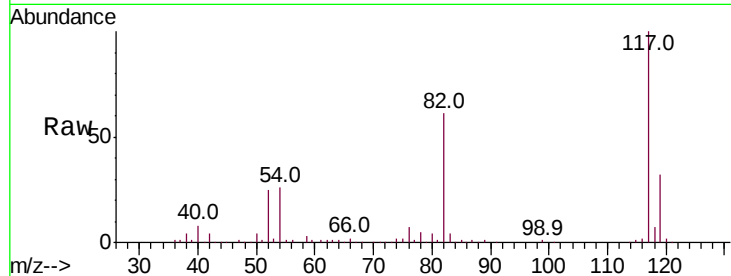




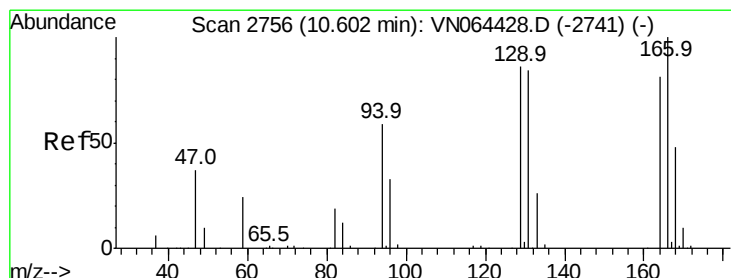
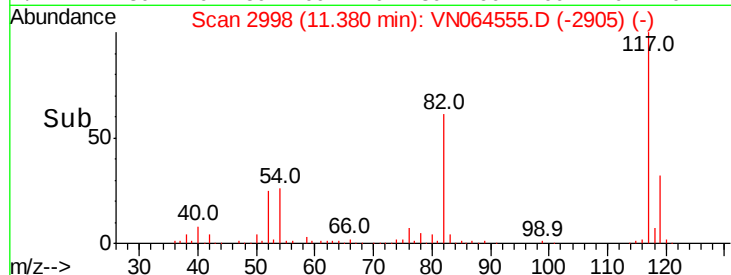
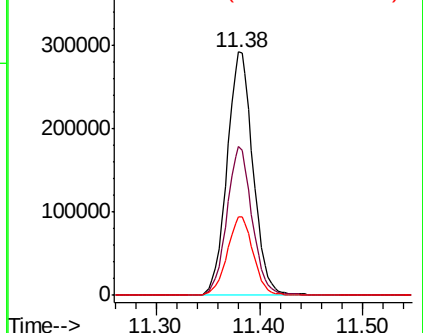
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064555.D
Acq: 11 Nov 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-438-440DL

Tot Ion:117 Resp: 512850
Ion Ratio Lower Upper
117 100
82 60.9 48.1 72.1
119 32.4 26.2 39.4

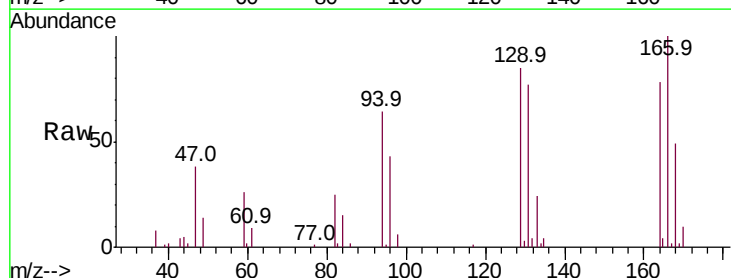


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

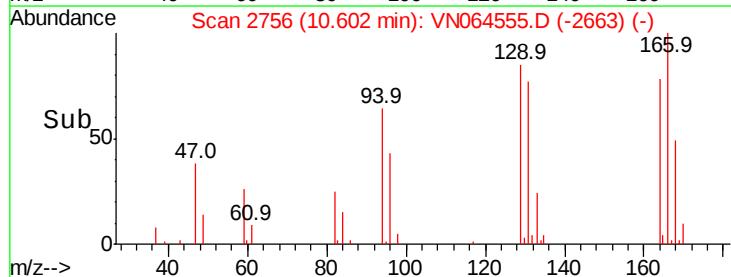
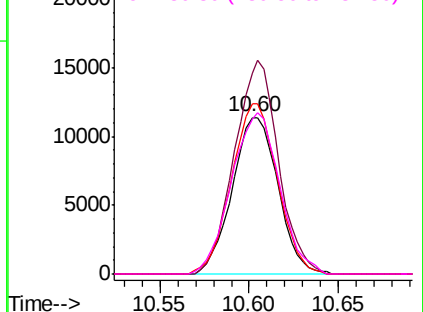


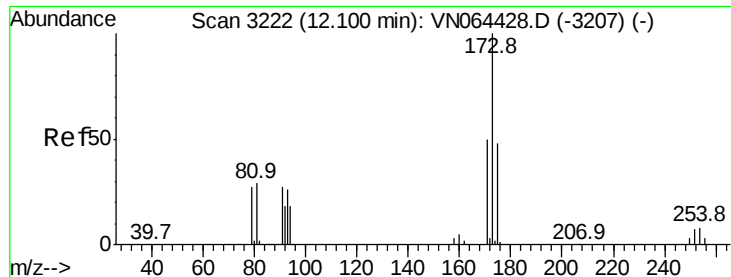
#64
Tetrachloroethene
Concen: 5.152 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064555.D
Acq: 11 Nov 2020 15:13

Tgt Ion:164 Resp: 20354
Ion Ratio Lower Upper
164 100
166 128.5 98.2 147.2
129 108.7 84.6 127.0
131 98.6 82.2 123.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

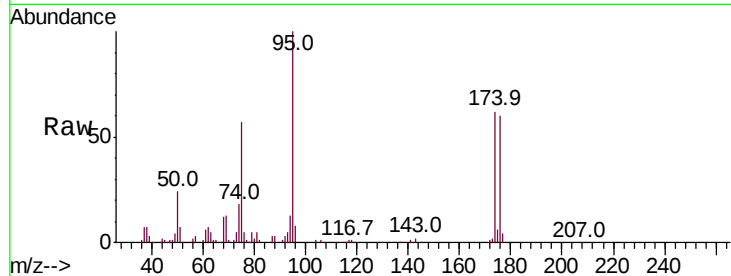




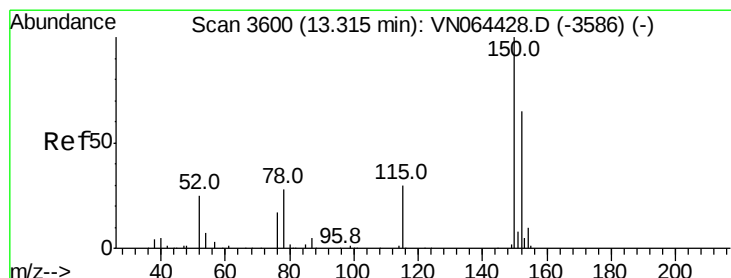
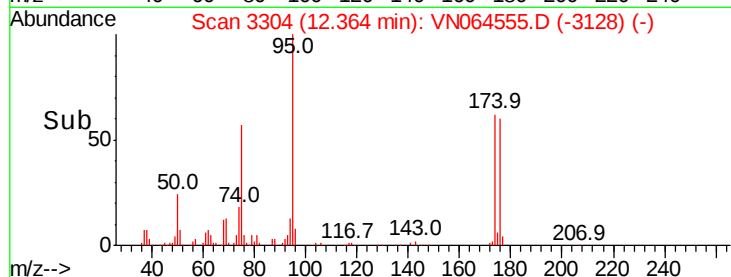
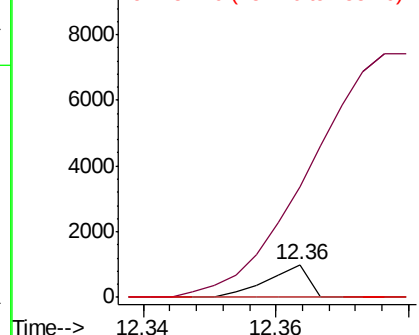
#71
Bromoform
Concen: 1.405 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064555.D
Acq: 11 Nov 2020 15:13

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-438-440DL

Tot Ion:173 Resp: 421
Ion Ratio Lower Upper
173 100
175 2429.9 23.7 71.1#
254 0.0 0.0 0.0

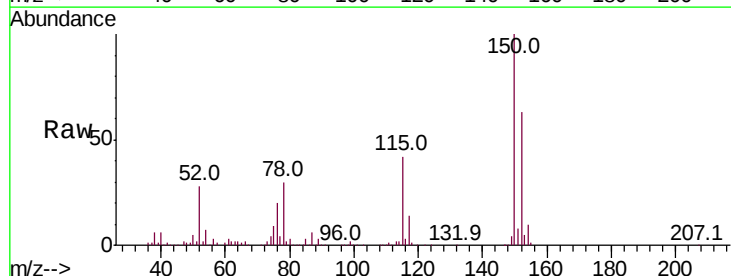


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

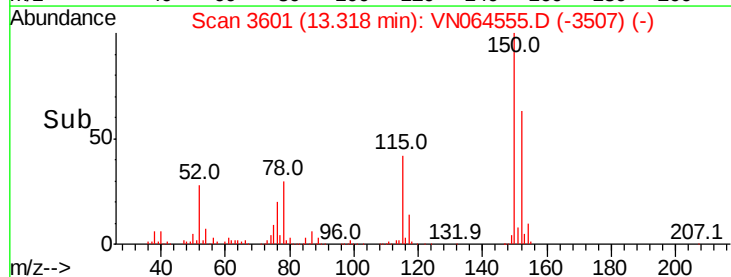
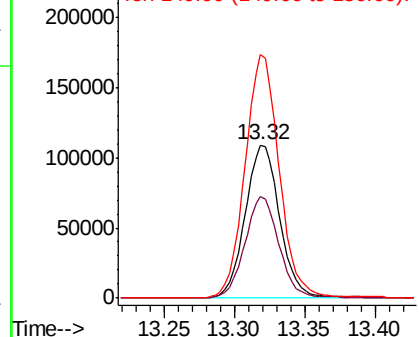


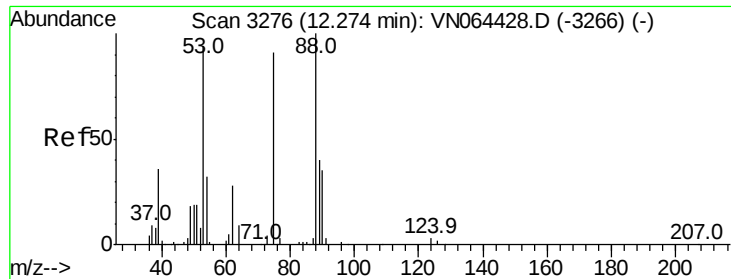
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064555.D
Acq: 11 Nov 2020 15:13

Tgt Ion:152 Resp: 187376
Ion Ratio Lower Upper
152 100
115 65.2 32.0 96.0
150 156.9 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





#81

trans-1,4-Dichloro-2-butene

Concen: 81.689 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064555.D

Acq: 11 Nov 2020 15:13

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-438-440DL

Tot Ion: 75 Resp: 132826

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#

