

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062858.D
 Acq On : 12 Aug 2020 15:20
 Operator : JC/MD
 Sample : L3666-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-663-665

Quant Time: Aug 13 05:22:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	128939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	221329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	226610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87856	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	110763	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	7.55	113	77947	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	10.06	98	288407	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.38	95	108453	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	

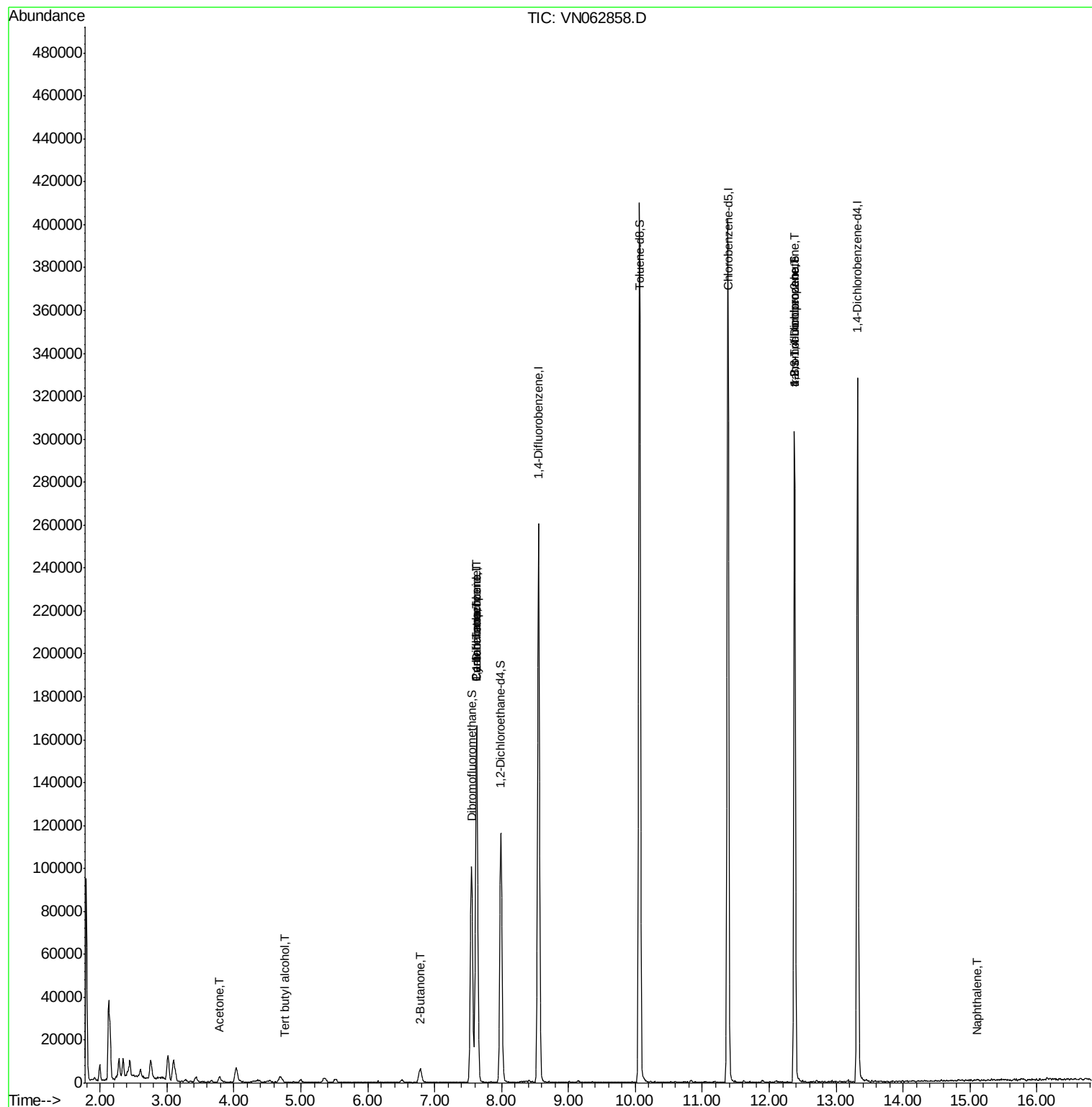
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	109	0.312	ug/l #	72
16) Acetone	3.78	43	5061	6.569	ug/l #	84
17) Carbon Disulfide	4.00	76	736	Below Cal	#	74
18) Methyl Acetate	4.27	43	358	Below Cal	#	52
20) Methylene Chloride	4.49	84	191	Below Cal	#	58
25) 2-Butanone	6.79	43	448	0.411	ug/l #	49
31) Cyclohexane	7.63	56	3046	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11116	5.158	ug/l #	49
38) Carbon Tetrachloride	7.63	117	13738	5.390	ug/l #	14
76) 1,2,3-Trichloropropane	12.38	75	58592	24.729	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58592	75.490	ug/l #	10
95) Naphthalene	15.12	128	202	3.754	ug/l #	68

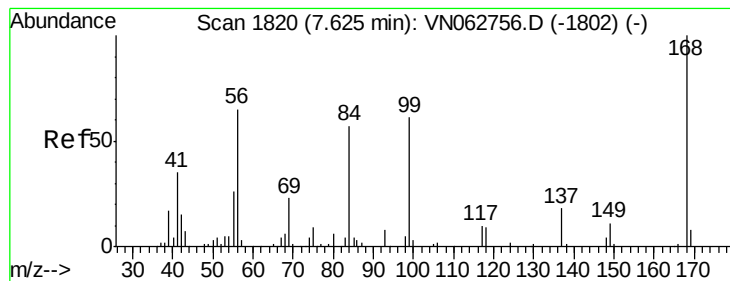
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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BP-VPB179-GW-663-665

Quant Time: Aug 13 05:22:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062858.D

Acq: 12 Aug 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

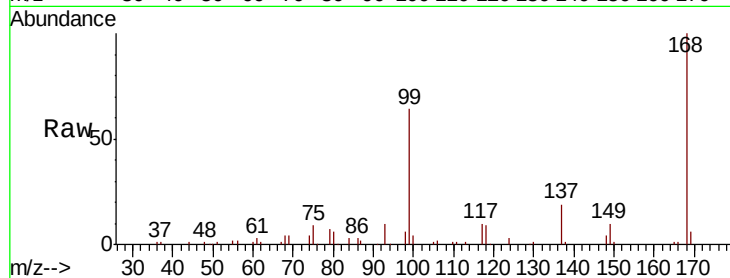
BP-VPB179-GW-663-665

Tot Ion:168 Resp: 128939

Ion Ratio Lower Upper

168 100

99 64.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

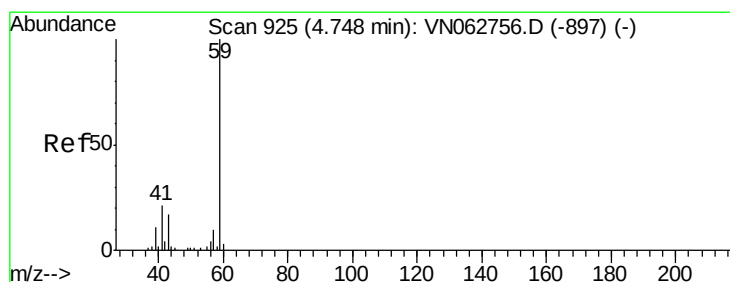
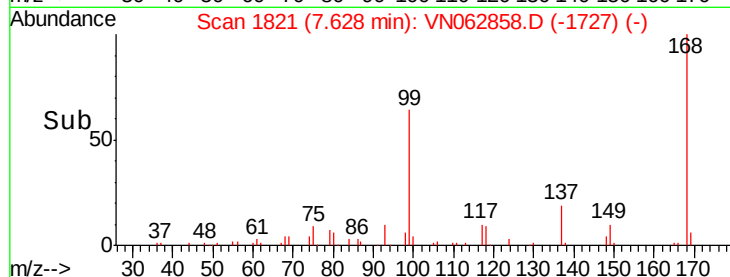
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.312 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.02 min

Lab File: VN062858.D

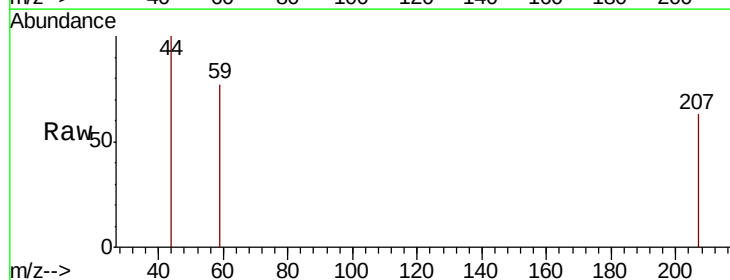
Acq: 12 Aug 2020 15:20

Tgt Ion: 59 Resp: 109

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

250

200

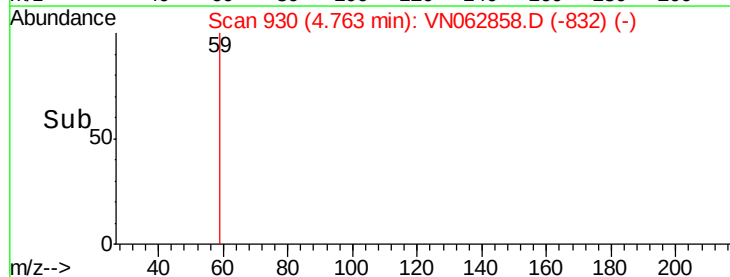
150

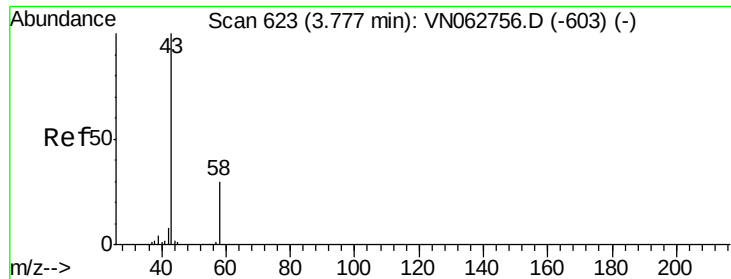
100

50

0

Time-->

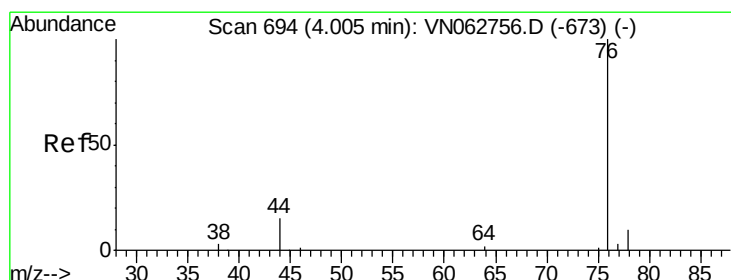
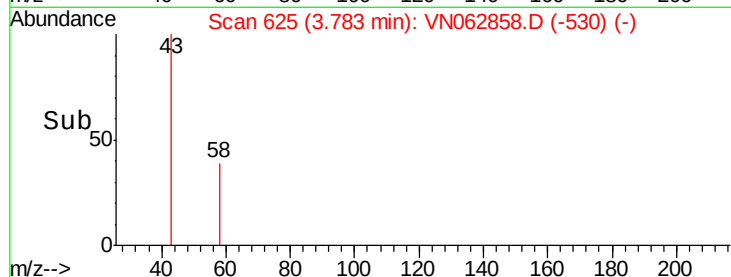
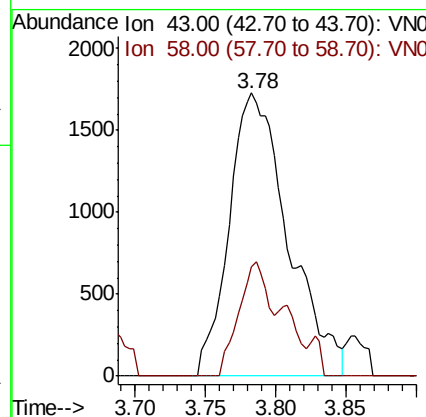
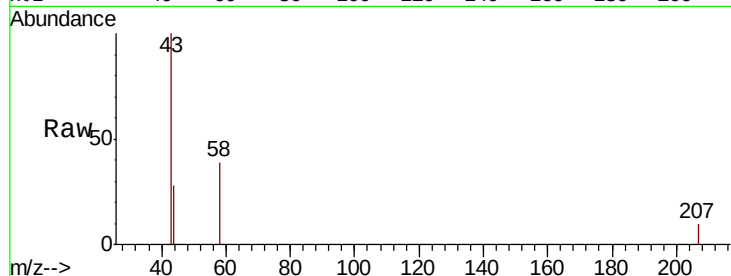




#16
Acetone
Concen: 6.569 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062858.D
Acq: 12 Aug 2020 15:20

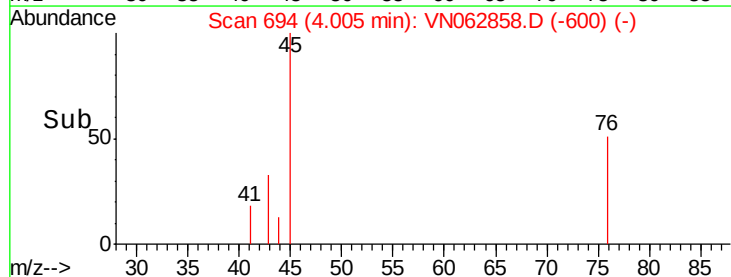
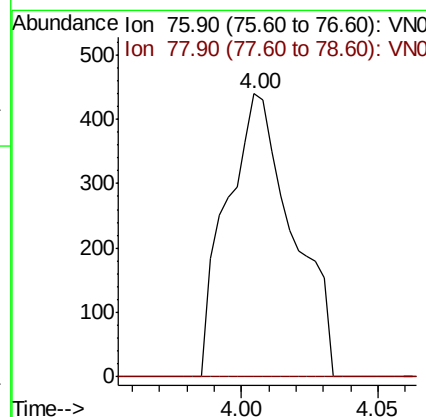
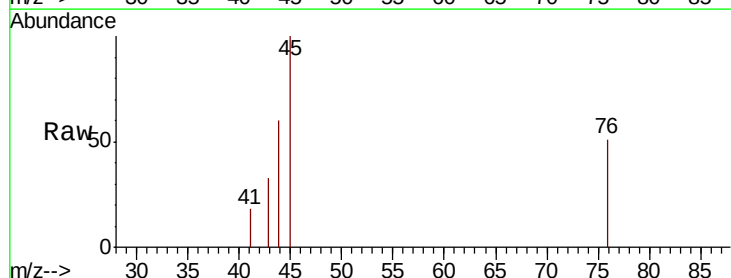
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-663-665

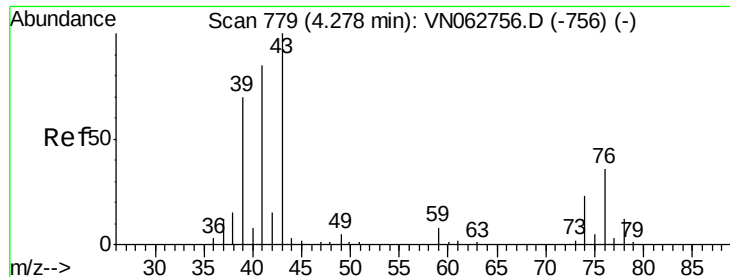
Tot Ion: 43 Resp: 5061
Ion Ratio Lower Upper
43 100
58 38.7 24.1 36.1#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062858.D
Acq: 12 Aug 2020 15:20

Tgt Ion: 76 Resp: 736
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

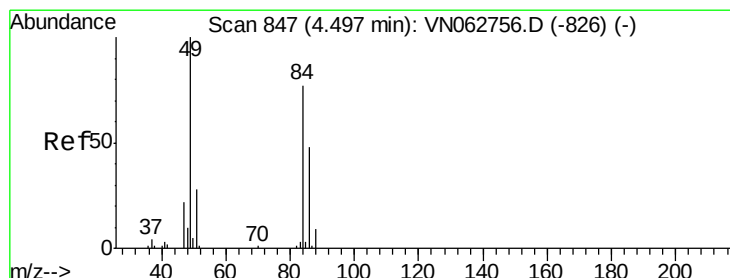
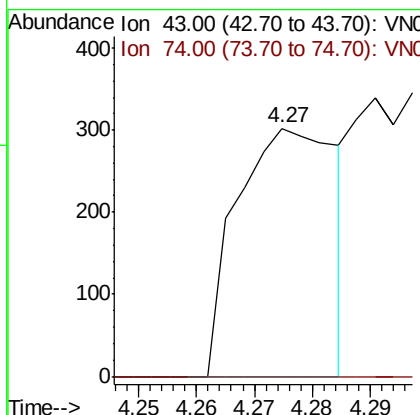
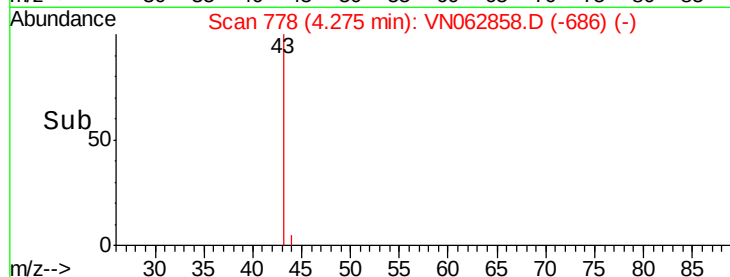
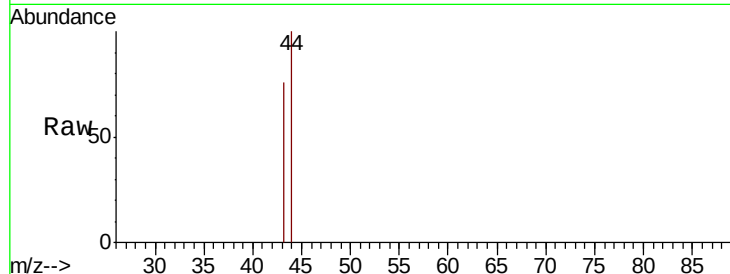




#18
Methyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062858.D
Acq: 12 Aug 2020 15:20

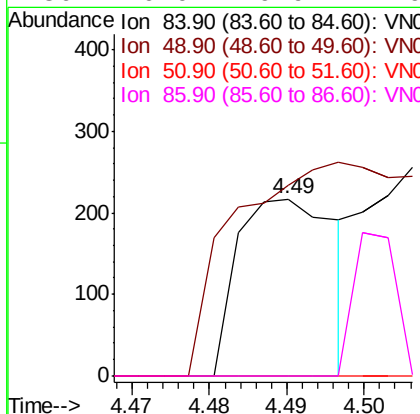
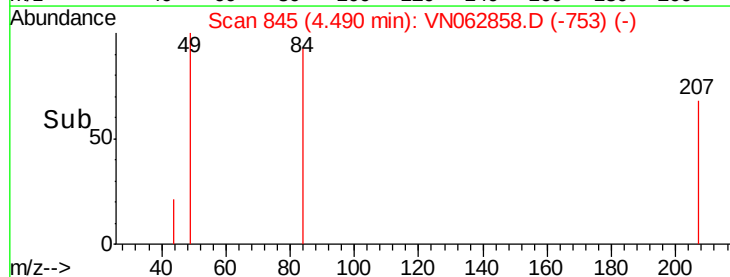
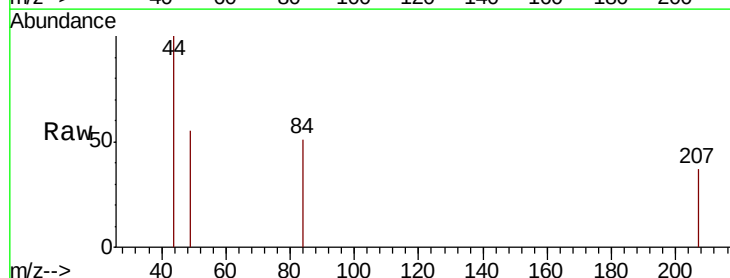
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-663-665

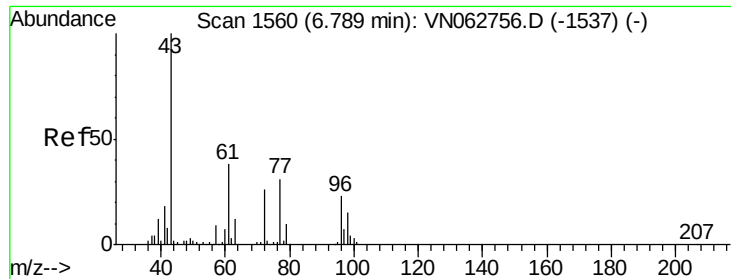
Tot Ion: 43 Resp: 358
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN062858.D
Acq: 12 Aug 2020 15:20

Tgt Ion: 84 Resp: 191
Ion Ratio Lower Upper
84 100
49 107.8 103.4 155.2
51 0.0 29.3 43.9#
86 0.0 49.9 74.9#

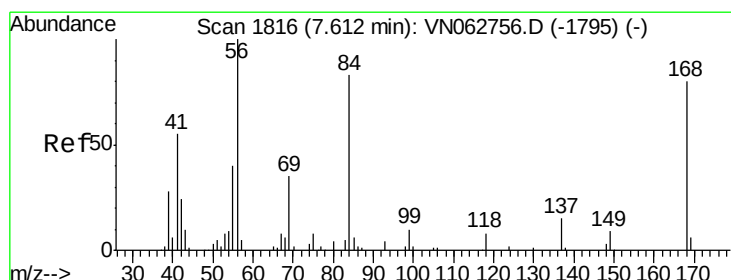
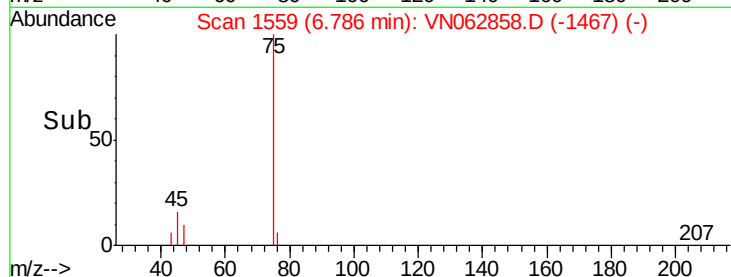
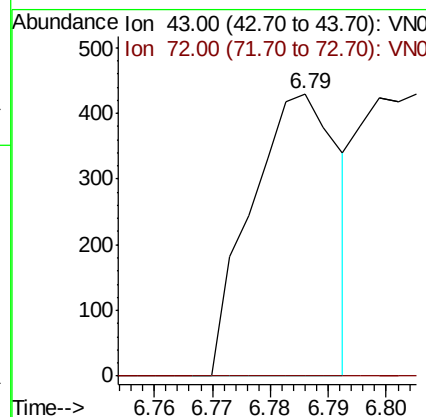
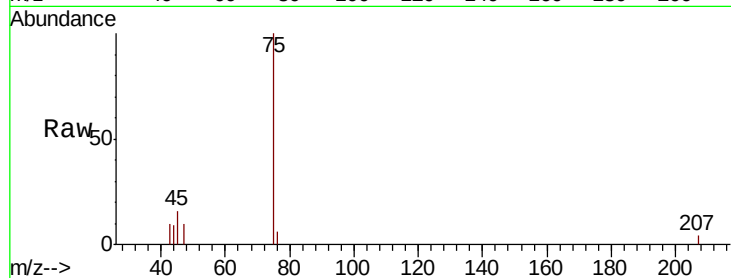




#25
2-Butanone
Concen: 0.411 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN062858.D
Acq: 12 Aug 2020 15:20

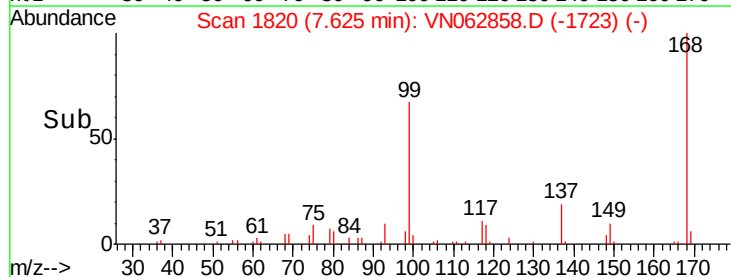
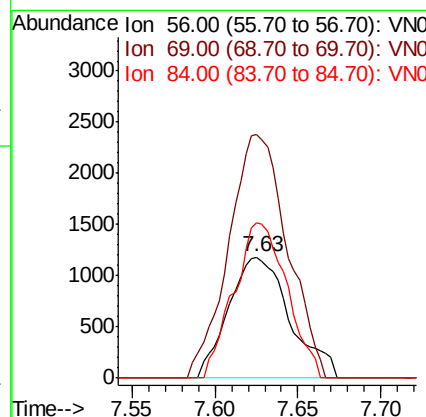
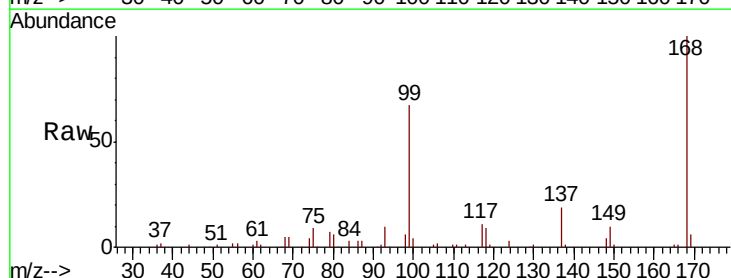
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-663-665

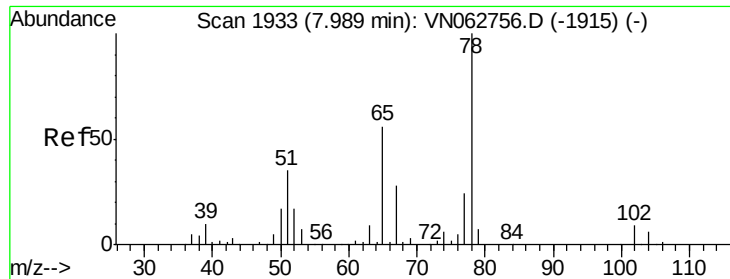
Tot Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062858.D
Acq: 12 Aug 2020 15:20

Tgt Ion: 56 Resp: 3046
Ion Ratio Lower Upper
56 100
69 200.6 28.1 42.1#
84 127.7 66.8 100.2#

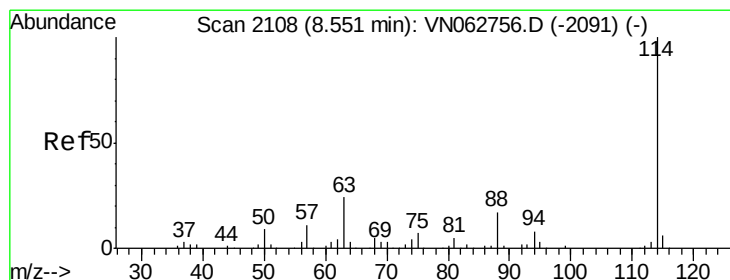
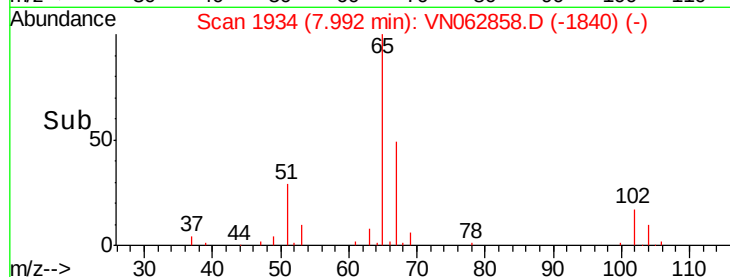
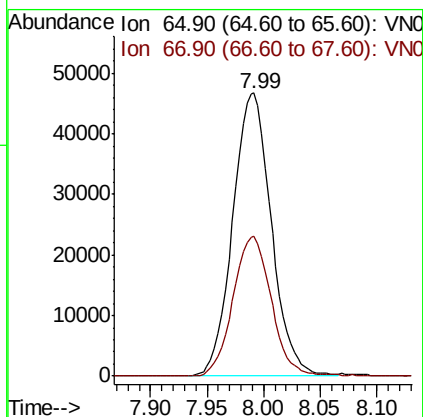
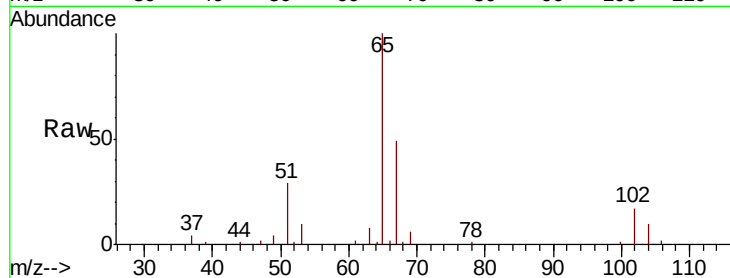




#33
 1,2-Dichloroethane-d4
 Concen: 51.947 ug/l
 RT: 7.99 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: VN062858.D
 Acq: 12 Aug 2020 15:20

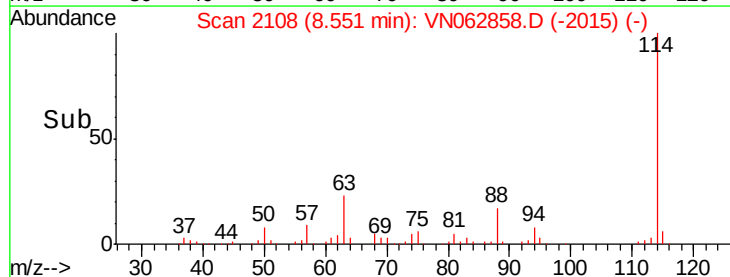
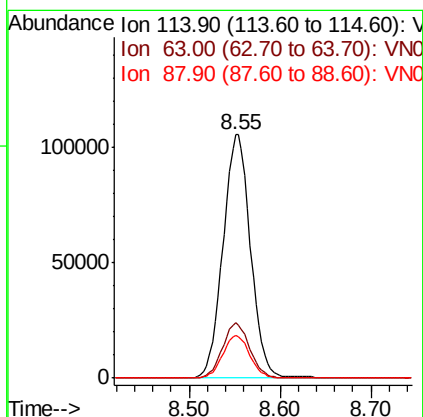
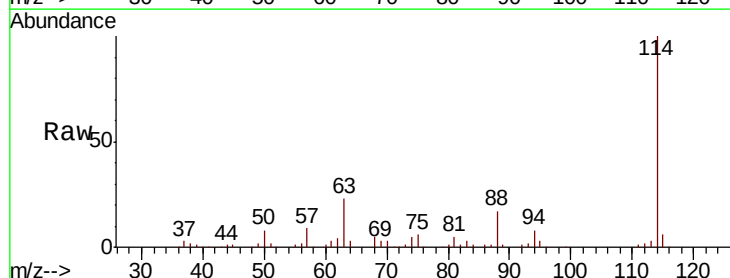
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 BP-VPB179-GW-663-665

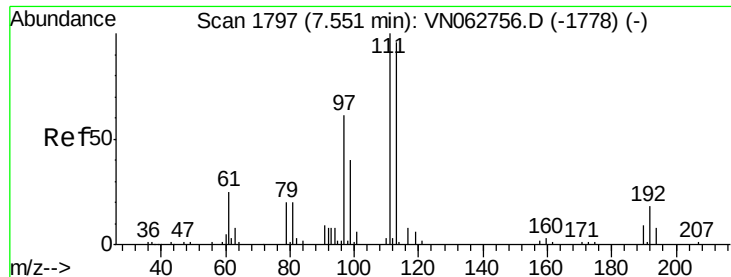
Tot Ion: 65 Resp: 110763
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062858.D
 Acq: 12 Aug 2020 15:20

Tgt Ion: 114 Resp: 221329
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.6
 88 17.5 0.0 34.4

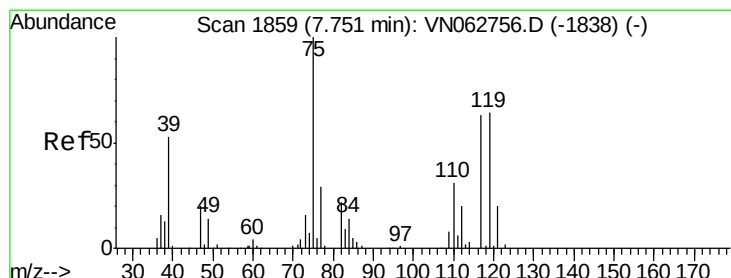
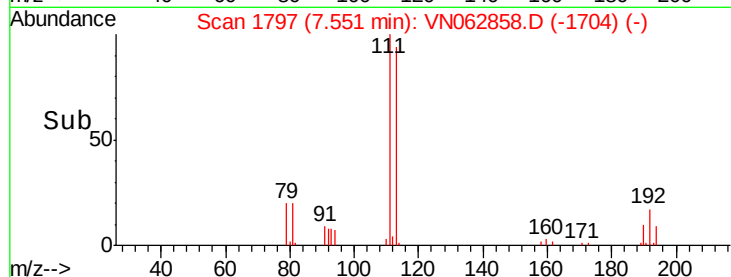
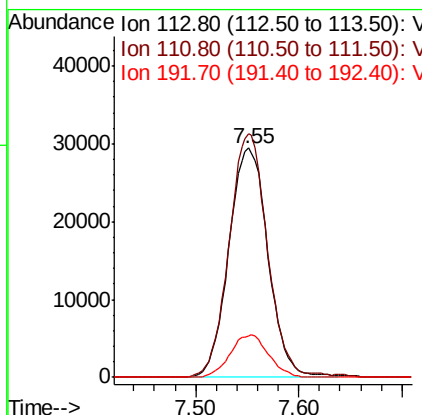
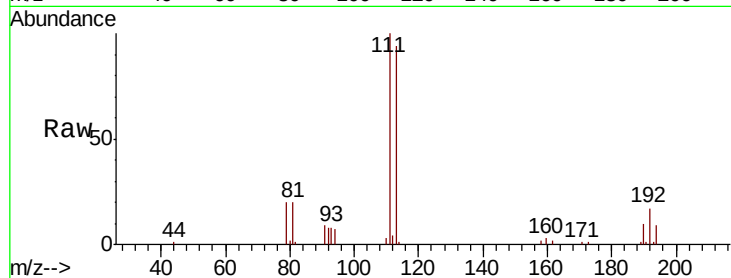




#35
 Dibromofluoromethane
 Concen: 51.484 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062858.D
 Acq: 12 Aug 2020 15:20

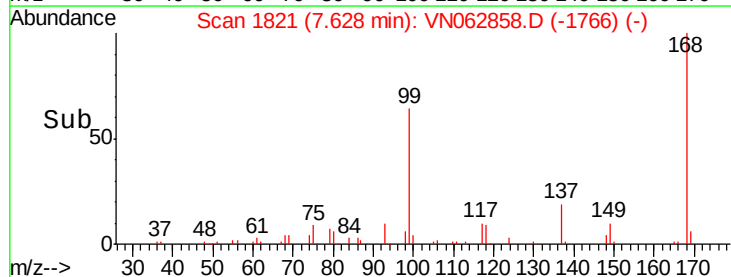
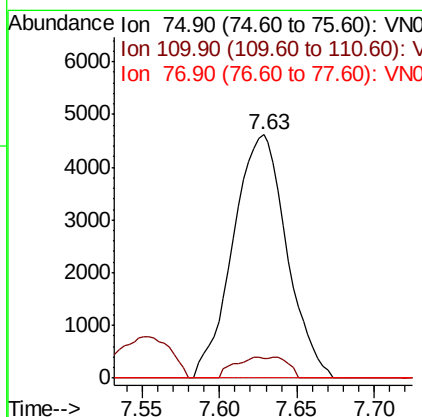
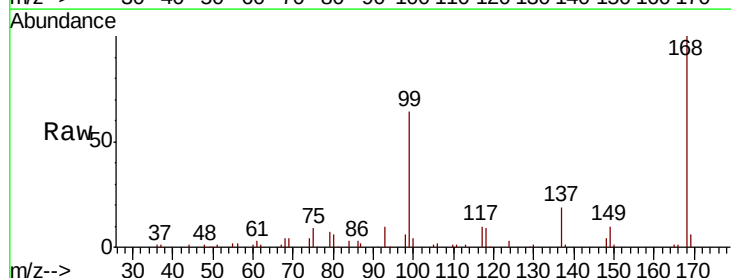
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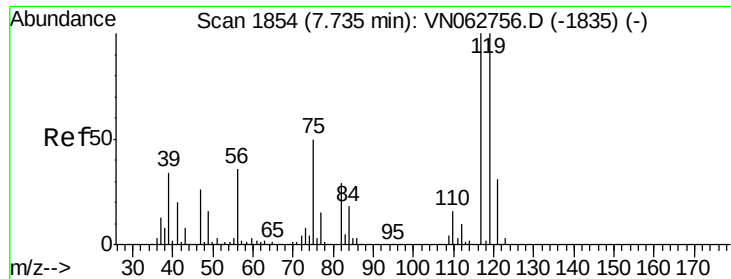
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	18.0	15.0	22.4



#36
 1,1-Dichloropropene
 Concen: 5.158 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062858.D
 Acq: 12 Aug 2020 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.4	15.6	46.7#
77	0.0	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.390 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062858.D

Acq: 12 Aug 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-663-665

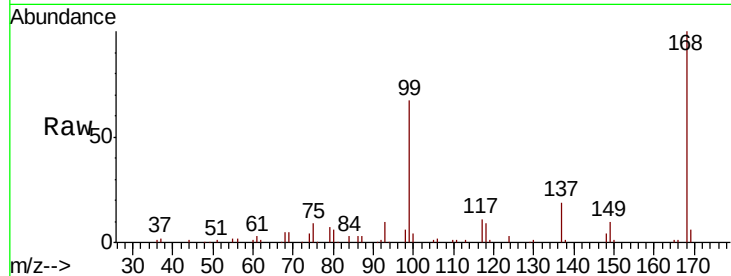
Tot Ion:117 Resp: 13738

Ion Ratio Lower Upper

117 100

119 5.0 79.4 119.2#

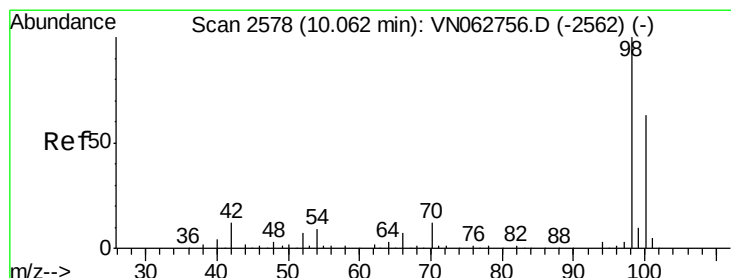
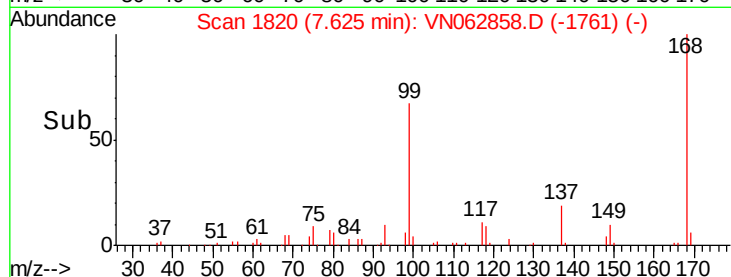
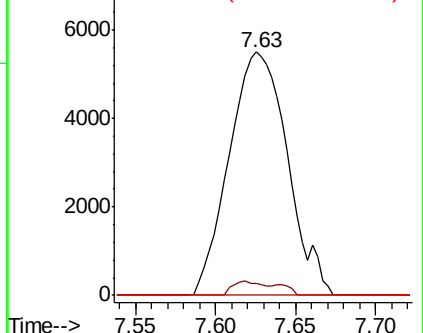
121 0.0 24.9 37.3#



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: 48.793 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062858.D

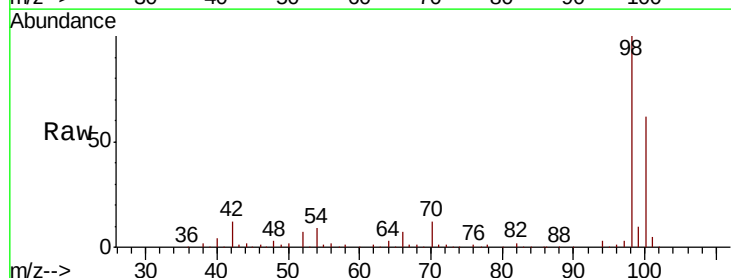
Acq: 12 Aug 2020 15:20

Tgt Ion: 98 Resp: 288407

Ion Ratio Lower Upper

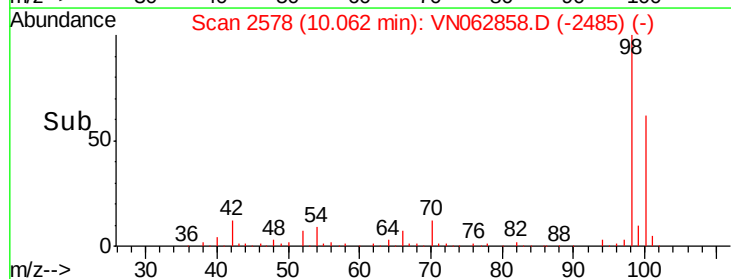
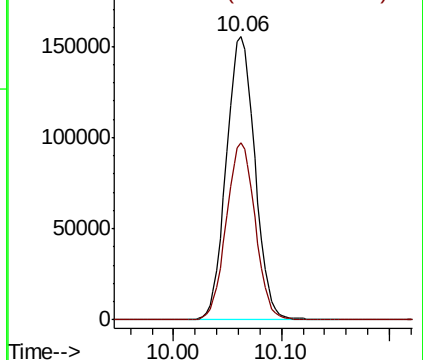
98 100

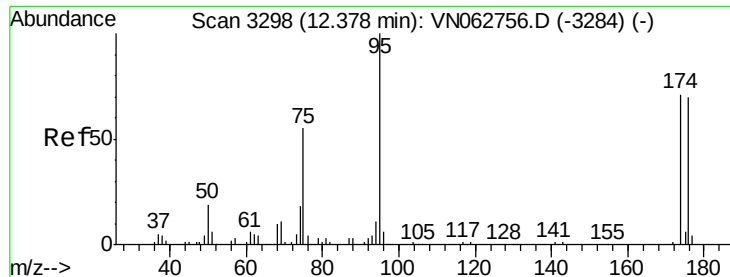
100 62.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 48.553 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062858.D

Acq: 12 Aug 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

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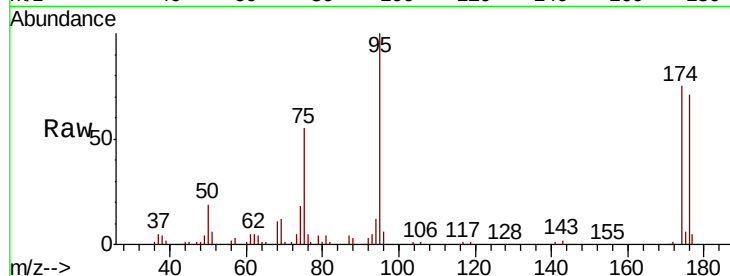
Tot Ion: 95 Resp: 108453

Ion Ratio Lower Upper

95 100

174 75.1 0.0 144.8

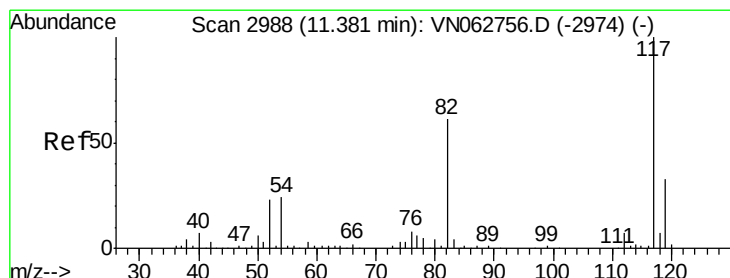
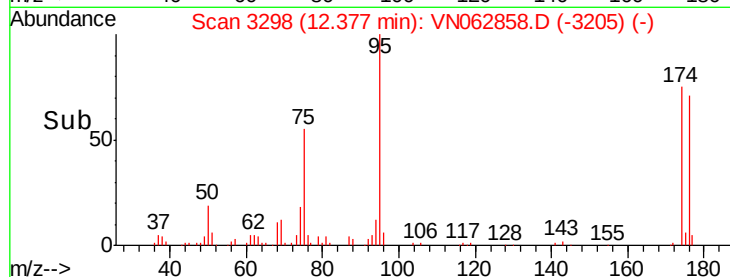
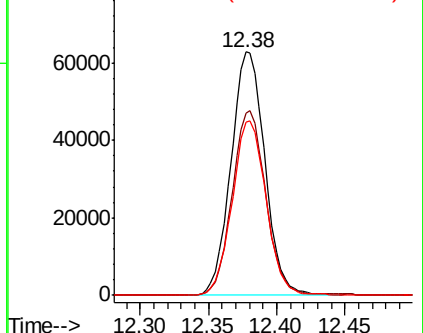
176 71.7 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062858.D

Acq: 12 Aug 2020 15:20

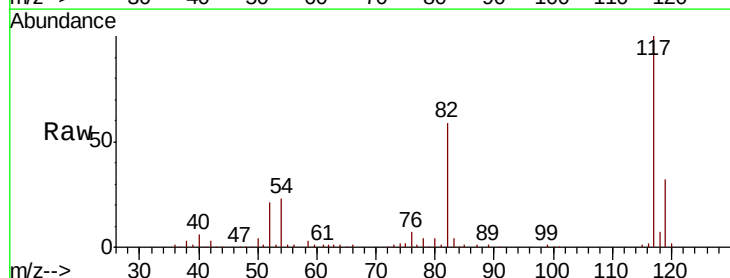
Tgt Ion: 117 Resp: 226610

Ion Ratio Lower Upper

117 100

82 58.7 49.0 73.4

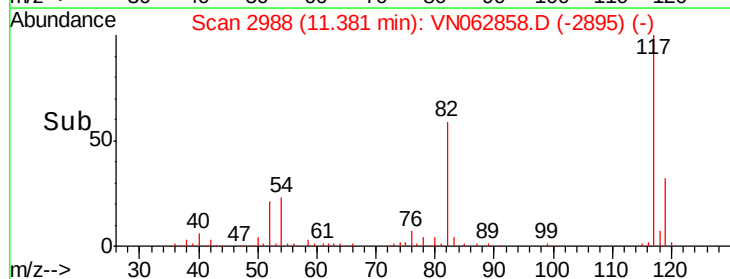
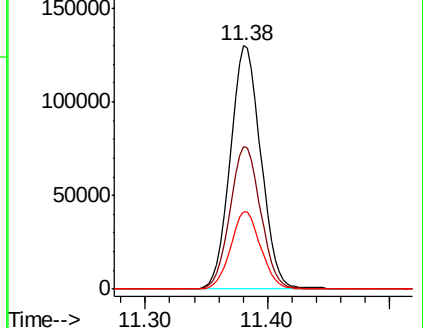
119 31.8 26.2 39.2

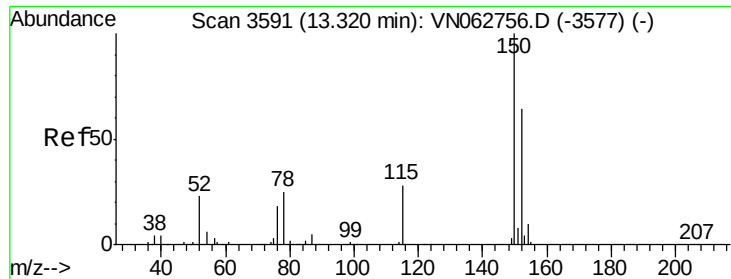


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)

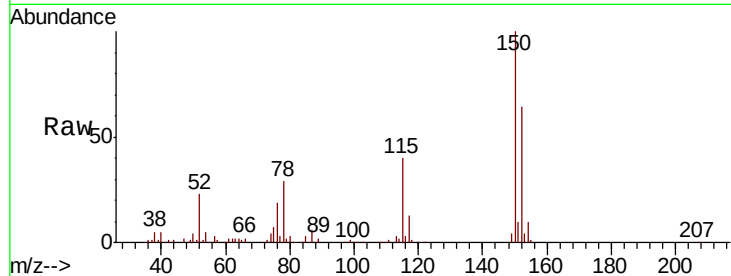




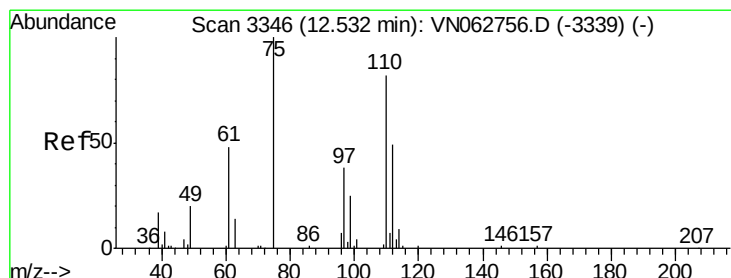
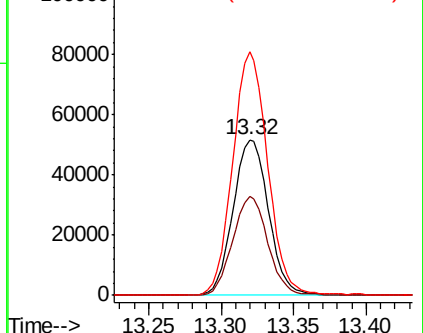
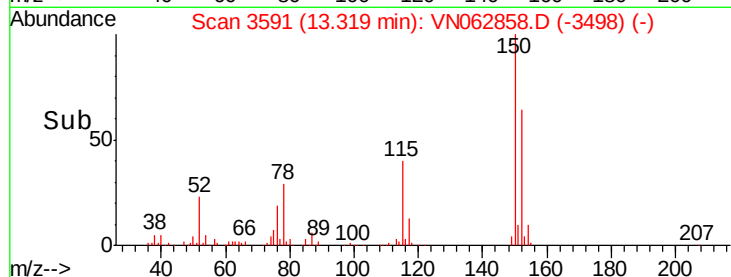
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VN062858.D
 Acq: 12 Aug 2020 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-663-665

Tot Ion:152 Resp: 87856
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.6 94.8
 150 154.1 0.0 349.2

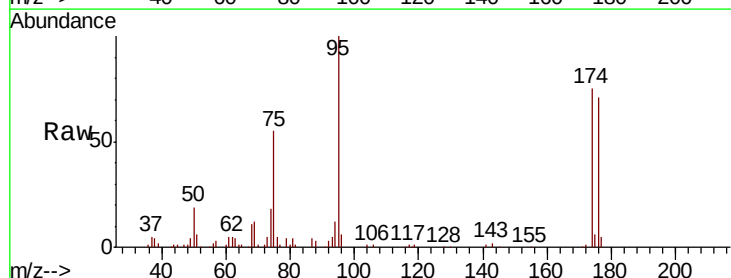


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

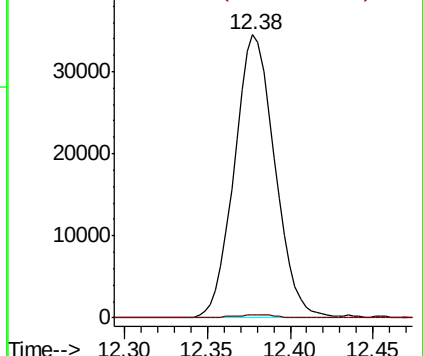
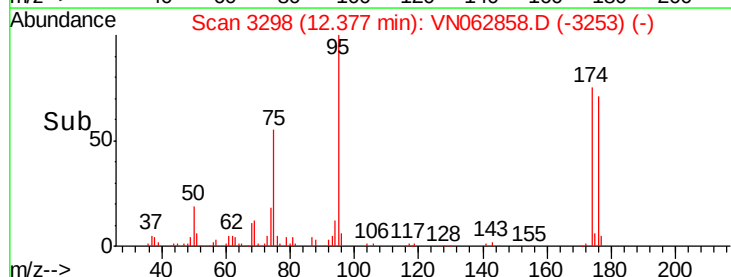


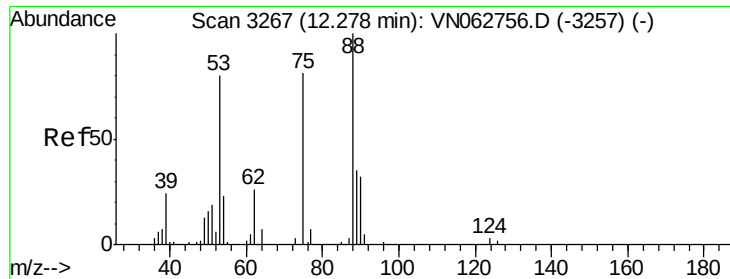
#76
 1,2,3-Trichloropropane
 Concen: 24.729 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062858.D
 Acq: 12 Aug 2020 15:20

Tgt Ion: 75 Resp: 58592
 Ion Ratio Lower Upper
 75 100
 77 1.0 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: 75.490 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062858.D

Acq: 12 Aug 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-663-665

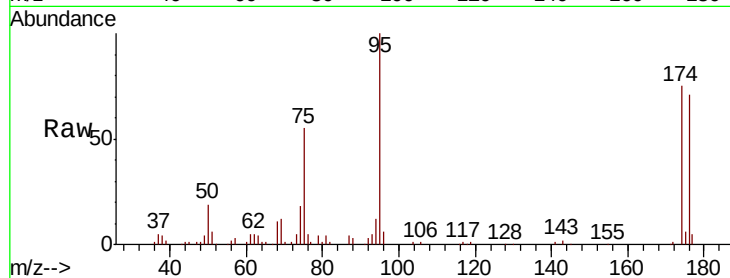
Tot Ion: 75 Resp: 58592

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

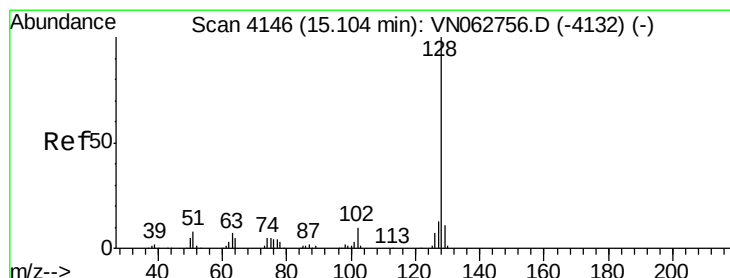
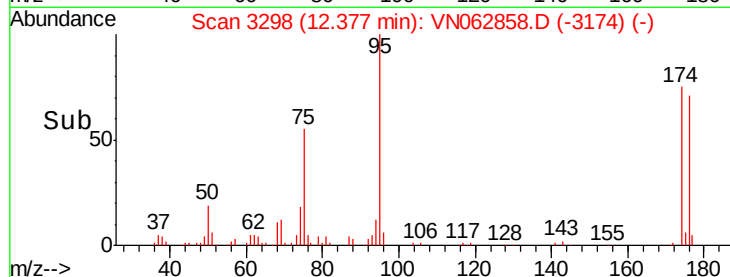
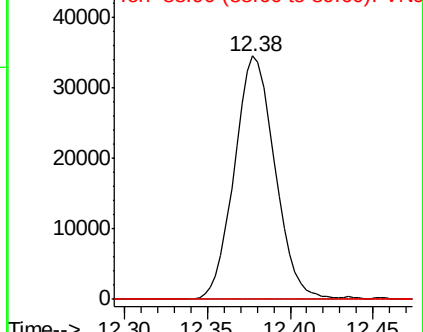
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-3257) (-)

Ion 53.00 (52.70 to 53.70): VN062756.D (-3257) (-)

Ion 88.90 (88.60 to 89.60): VN062756.D (-3257) (-)



#95

Naphthalene

Concen: 3.754 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062858.D

Acq: 12 Aug 2020 15:20

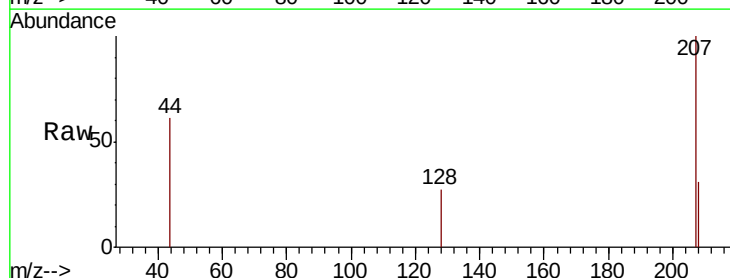
Tgt Ion: 128 Resp: 202

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN062756.D (-4132) (-)

Ion 127.00 (126.70 to 127.70): VN062756.D (-4132) (-)

Ion 129.00 (128.70 to 129.70): VN062756.D (-4132) (-)

