

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062857.D
 Acq On : 12 Aug 2020 14:55
 Operator : JC/MD
 Sample : L3666-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-618-620

Quant Time: Aug 13 05:22:44 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	126722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	217418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	224920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83821	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108285	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.55	113	78445	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.06	98	287296	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.38	95	107601	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

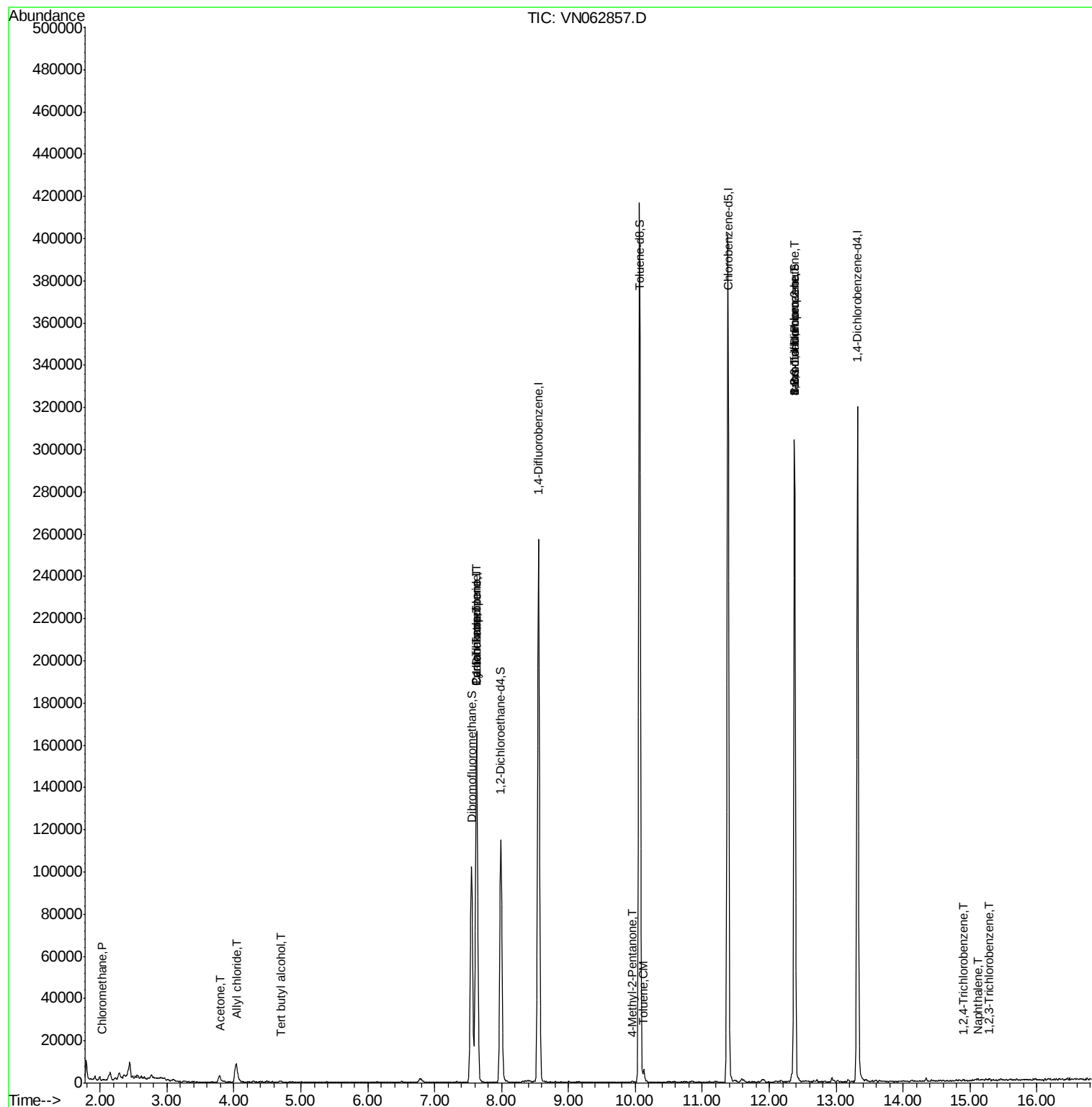
						Qvalue
3) Chloromethane	2.04	50	542	0.317	ug/l #	43
11) Tert butyl alcohol	4.71	59	434	1.264	ug/l #	72
14) Allyl chloride	4.03	41	1575	0.710	ug/l #	81
16) Acetone	3.79	43	5459	7.209	ug/l	96
17) Carbon Disulfide	4.00	76	208	Below Cal	#	74
18) Methyl Acetate	4.28	43	234	Below Cal	#	52
20) Methylene Chloride	4.49	84	281	Below Cal	#	46
31) Cyclohexane	7.63	56	2945	1.159	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	11087	5.237	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13654	5.453	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	722	0.303	ug/l #	36
52) Toluene	10.13	92	2262	0.580	ug/l	89
71) Bromoform	12.38	173	793	0.513	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	57567	25.466	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57567	77.740	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	98	3.387	ug/l #	11
95) Naphthalene	15.12	128	1128	3.979	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.29	180	188	2.868	ug/l #	75

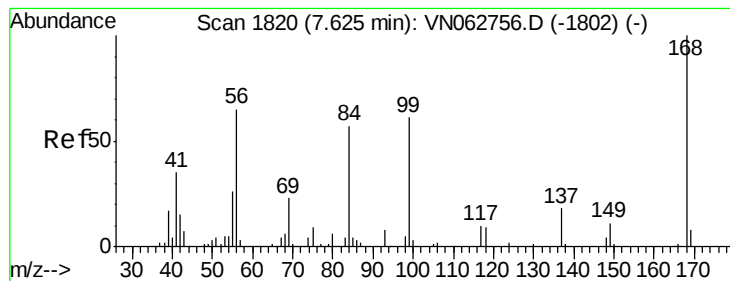
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB179-GW-618-620

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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: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

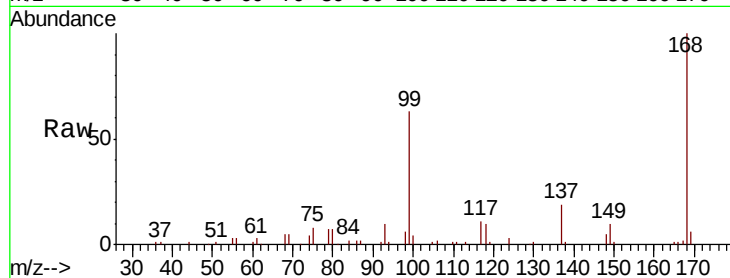
BP-VPB179-GW-618-620

Tot Ion:168 Resp: 126722

Ion Ratio Lower Upper

168 100

99 63.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

60000

50000

40000

30000

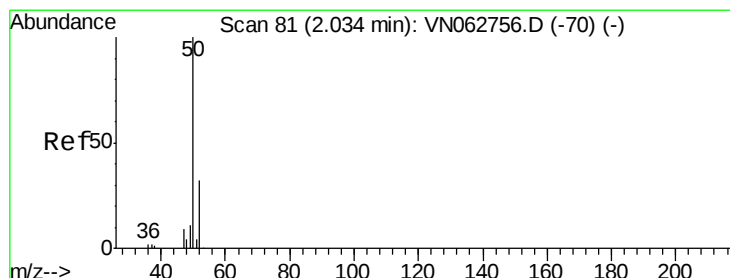
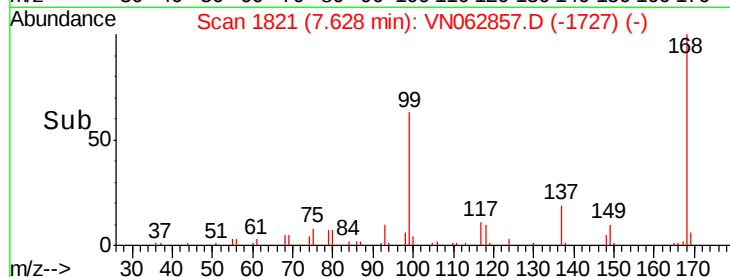
20000

10000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.317 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062857.D

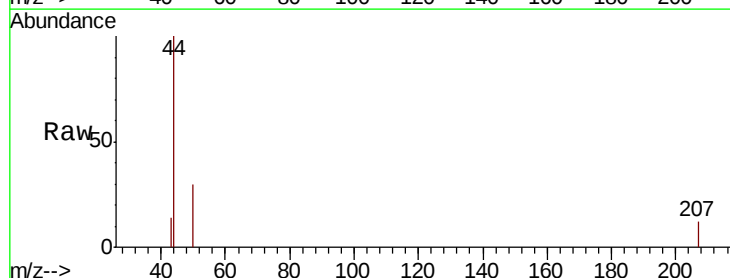
Acq: 12 Aug 2020 14:55

Tgt Ion: 50 Resp: 542

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN062756.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN062756.D (-70) (-)

2.04

400

300

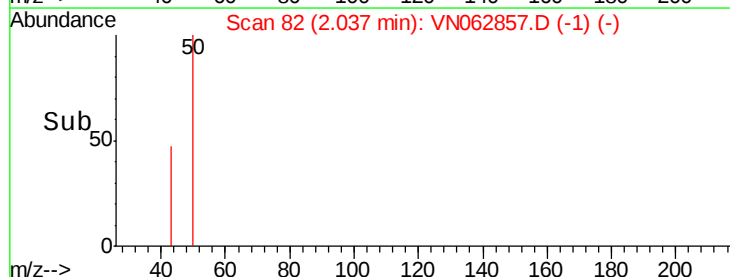
200

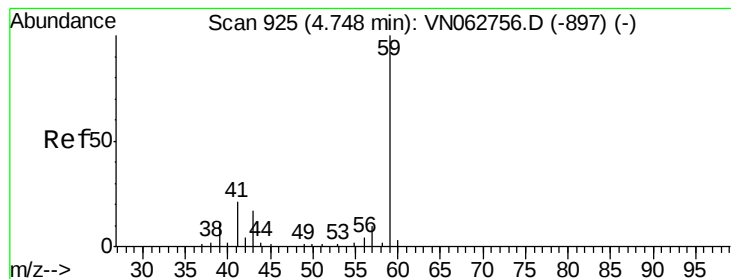
100

0

2.00 2.02 2.04 2.06

Time-->



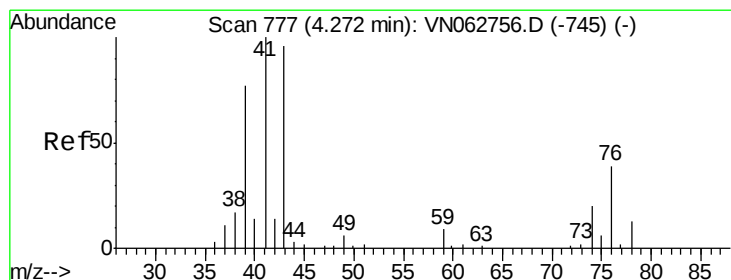
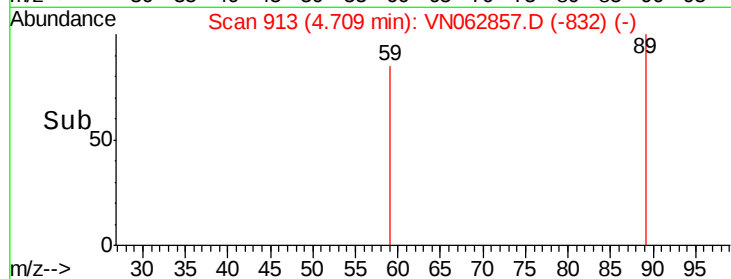
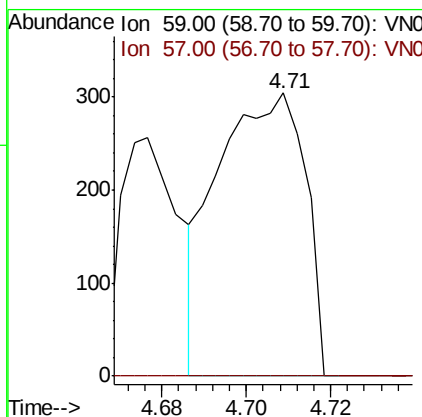
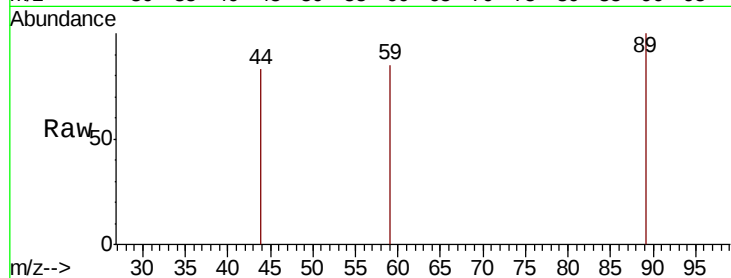


#11

Tert butyl alcohol
 Concen: 1.264 ug/l
 RT: 4.71 min Scan# 913
 Delta R.T. -0.04 min
 Lab File: VN062857.D
 Acq: 12 Aug 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-618-620

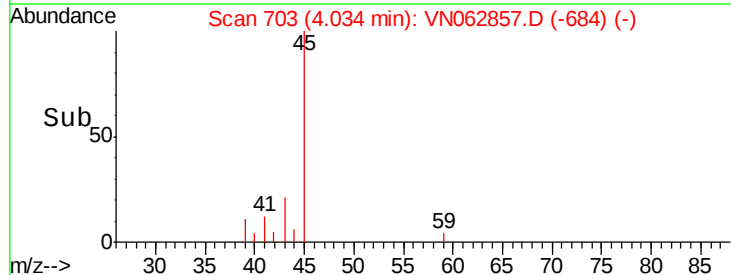
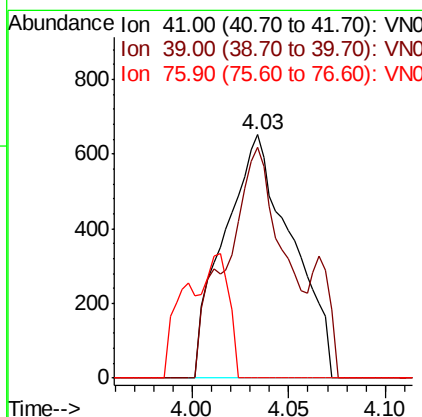
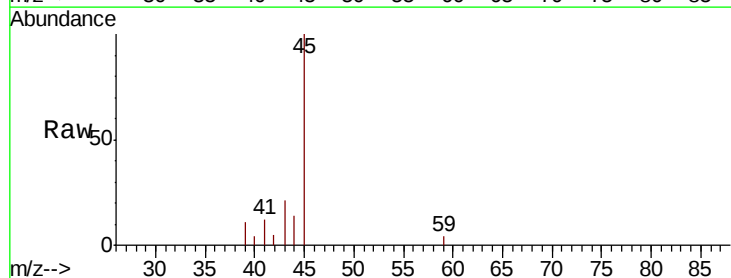
Tot Ion: 59 Resp: 434
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

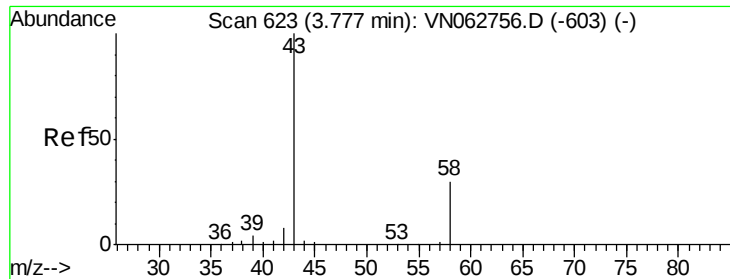


#14

Allyl chloride
 Concen: 0.710 ug/l
 RT: 4.03 min Scan# 703
 Delta R.T. -0.24 min
 Lab File: VN062857.D
 Acq: 12 Aug 2020 14:55

Tgt Ion: 41 Resp: 1575
 Ion Ratio Lower Upper
 41 100
 39 80.5 55.7 83.5
 76 16.9 27.5 41.3#





#16

Acetone

Concen: 7.209 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

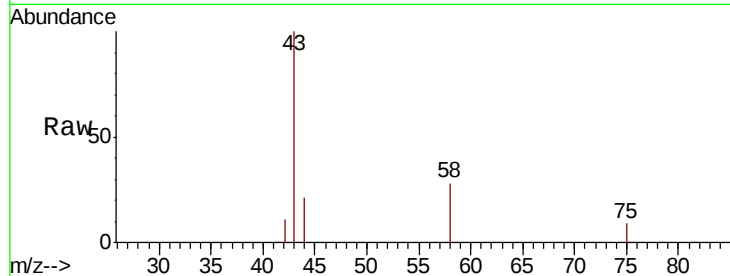
BP-VPB179-GW-618-620

Tot Ion: 43 Resp: 5459

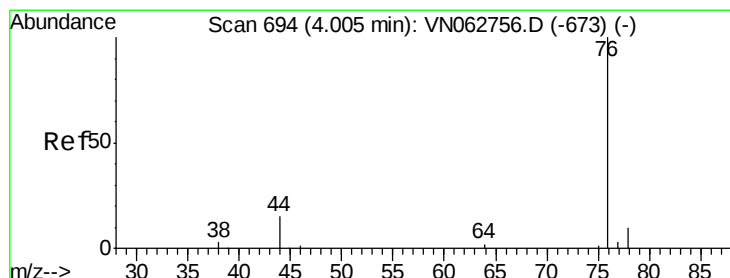
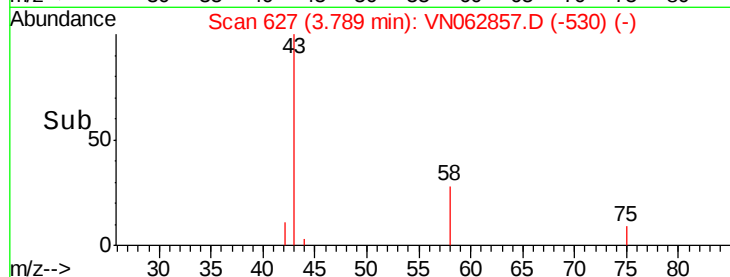
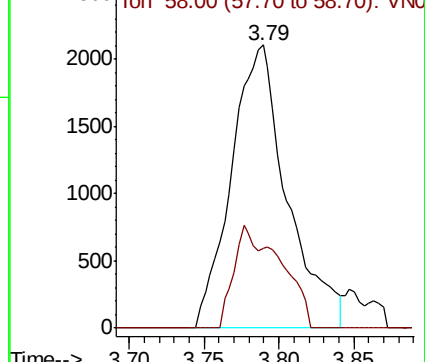
Ion Ratio Lower Upper

43 100

58 28.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN062857.D

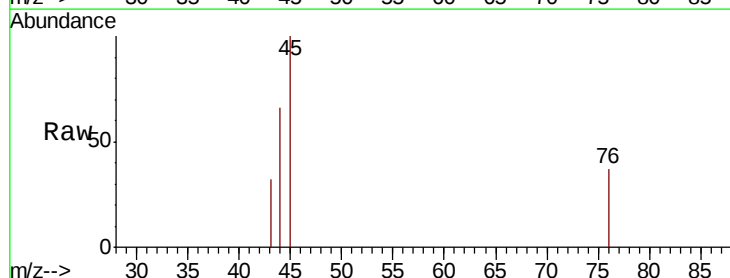
Acq: 12 Aug 2020 14:55

Tgt Ion: 76 Resp: 208

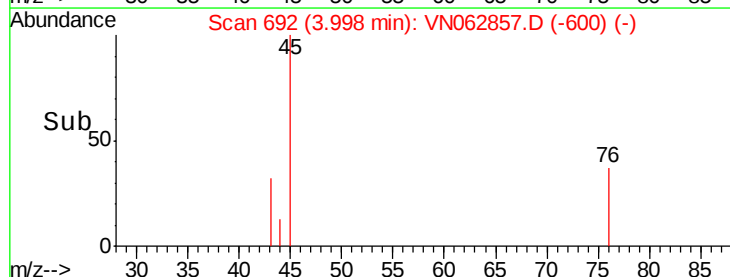
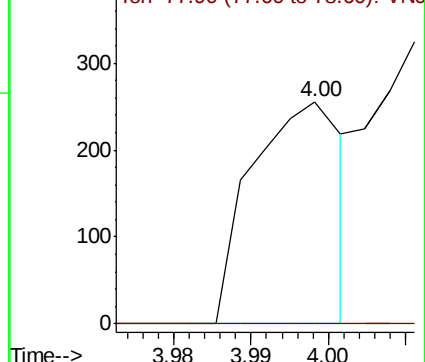
Ion Ratio Lower Upper

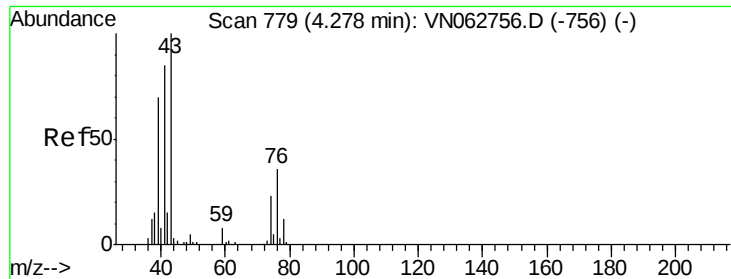
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

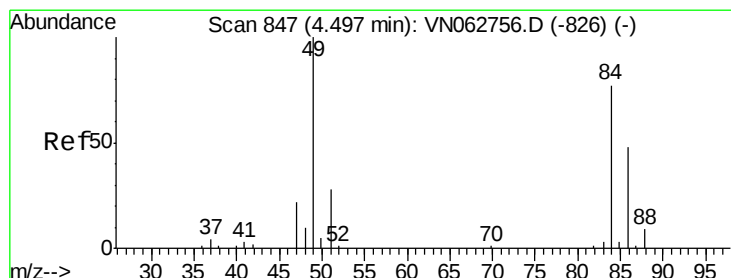
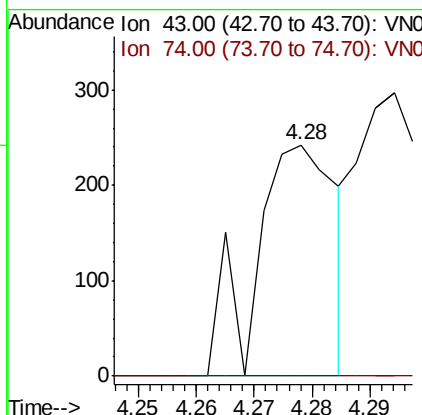
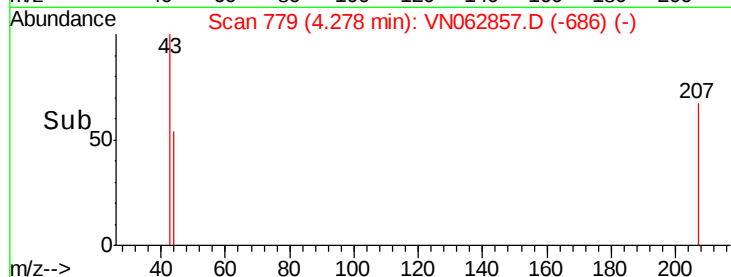
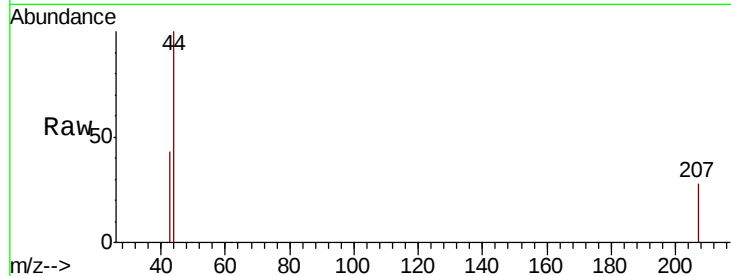




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062857.D
Acq: 12 Aug 2020 14:55

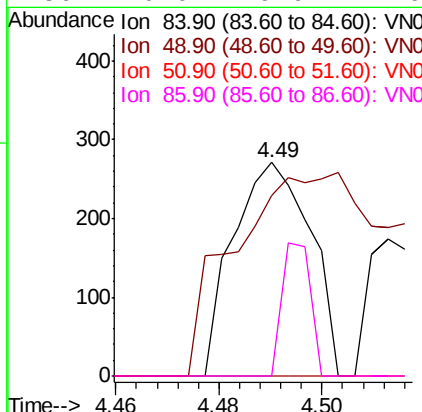
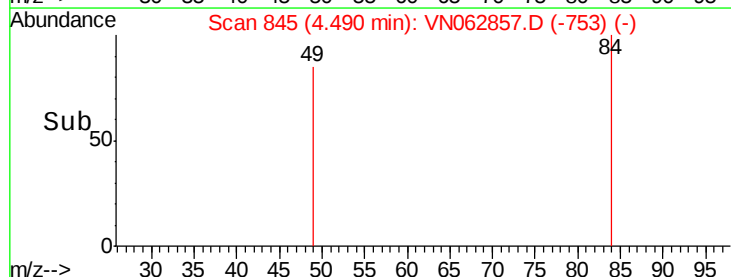
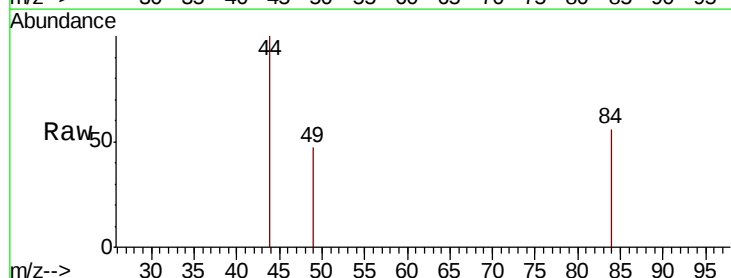
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-618-620

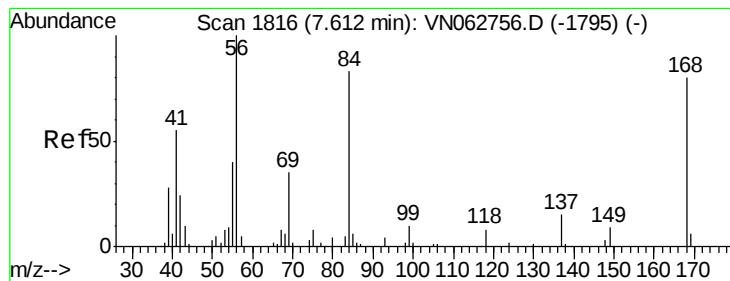
Tot Ion: 43 Resp: 234
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN062857.D
Acq: 12 Aug 2020 14:55

Tgt Ion: 84 Resp: 281
Ion Ratio Lower Upper
84 100
49 84.9 103.4 155.2#
51 0.0 29.3 43.9#
86 0.0 49.9 74.9#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-618-620

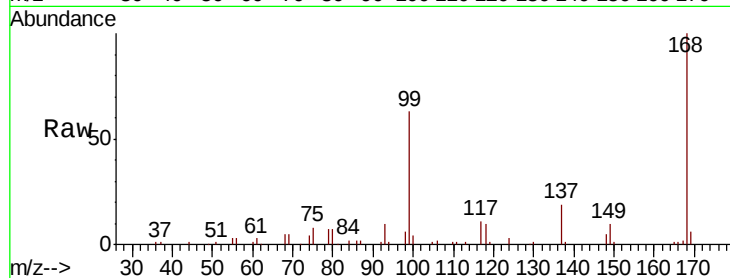
Tot Ion: 56 Resp: 2945

Ion Ratio Lower Upper

56 100

69 195.6 28.1 42.1#

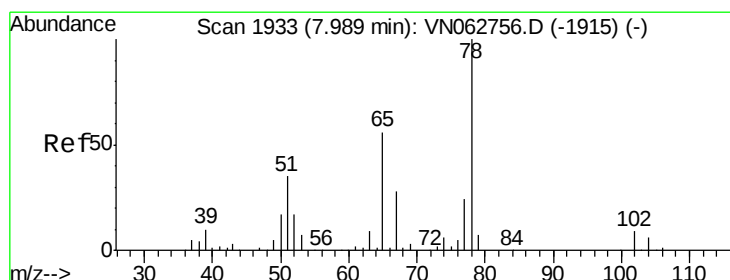
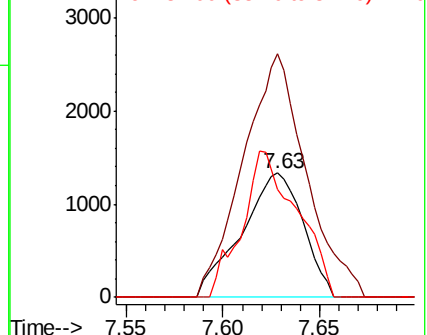
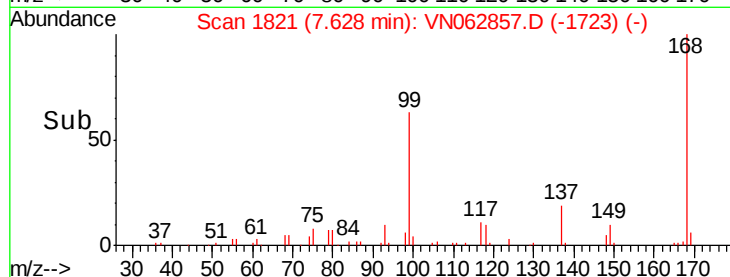
84 86.2 66.8 100.2



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: 51.673 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062857.D

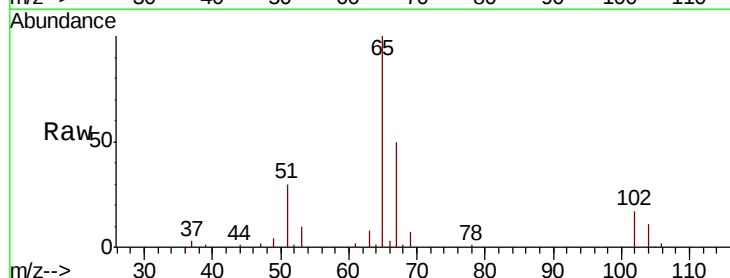
Acq: 12 Aug 2020 14:55

Tgt Ion: 65 Resp: 108285

Ion Ratio Lower Upper

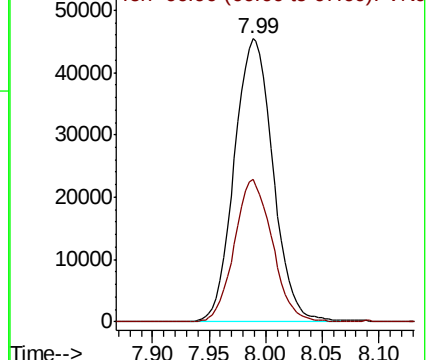
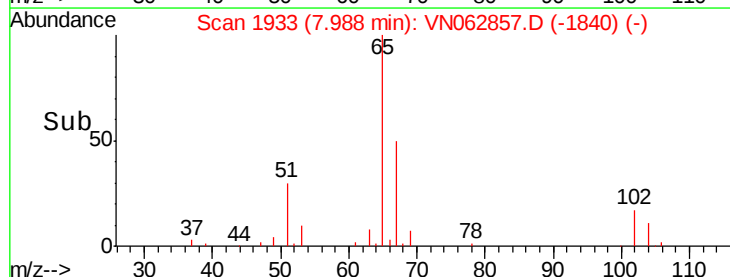
65 100

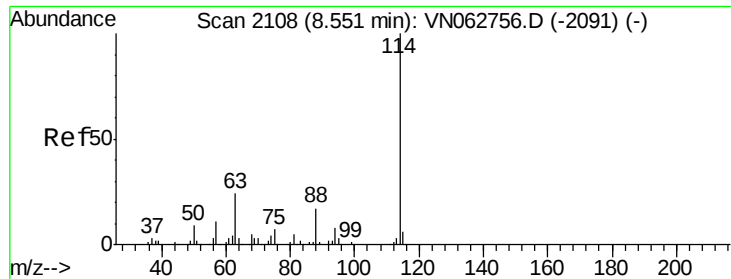
67 49.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

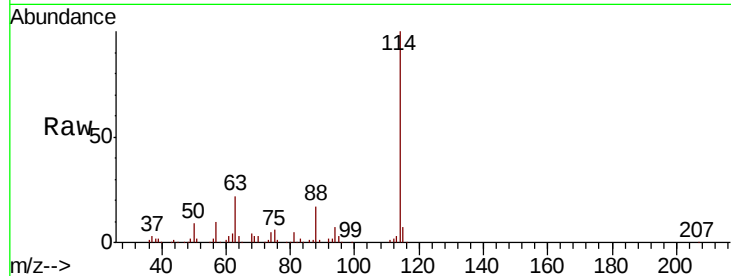




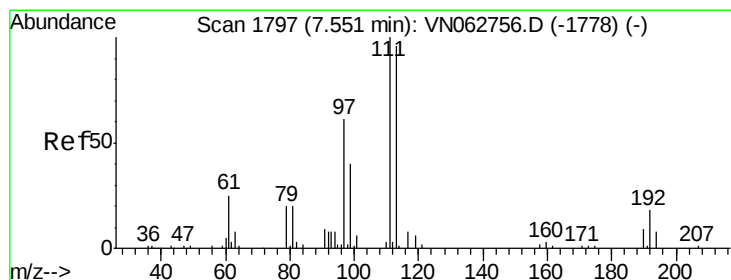
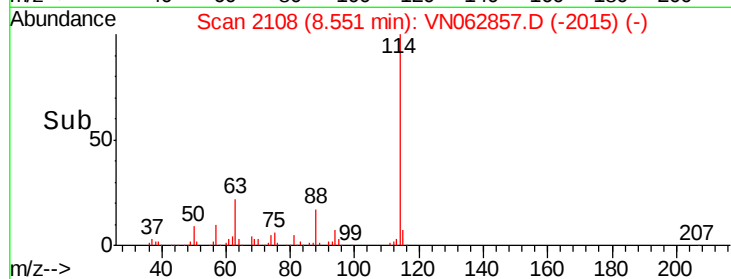
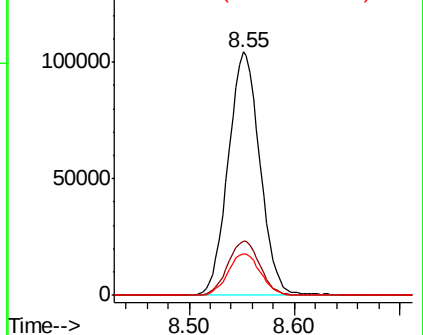
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062857.D
 Acq: 12 Aug 2020 14:55

Instrument :
 MSVOA_N
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 BP-VPB179-GW-618-620

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	47.6
88	17.1	0.0	34.4

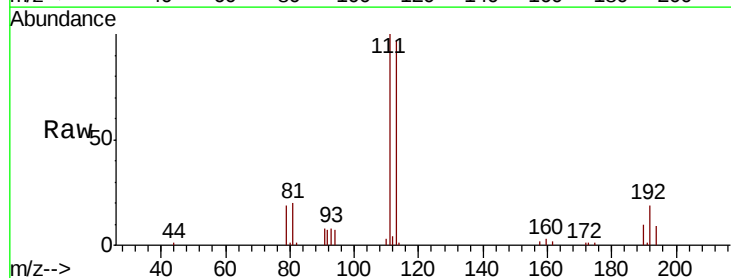


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

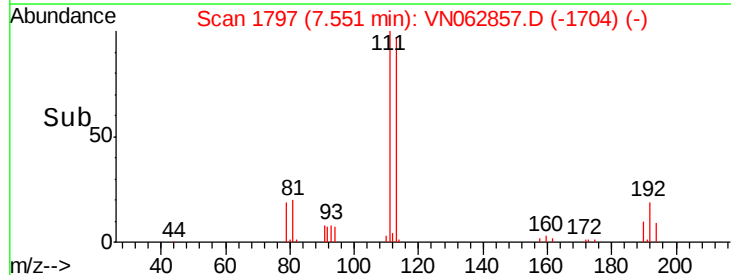
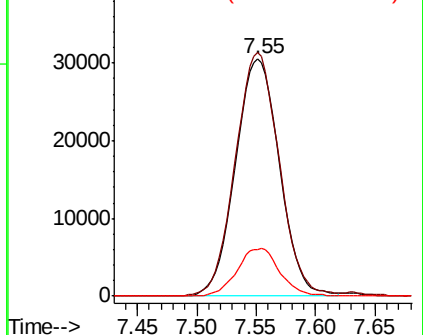


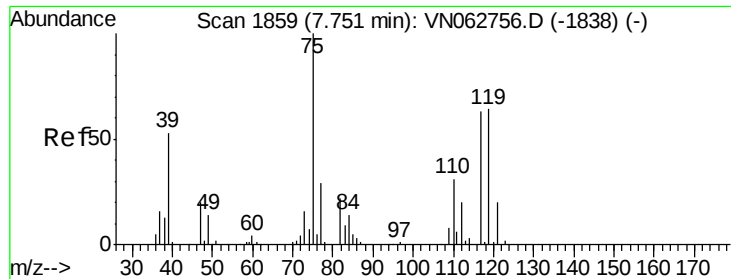
#35
 Dibromofluoromethane
 Concen: 52.745 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062857.D
 Acq: 12 Aug 2020 14:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.6
192	19.3	15.0	22.4



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

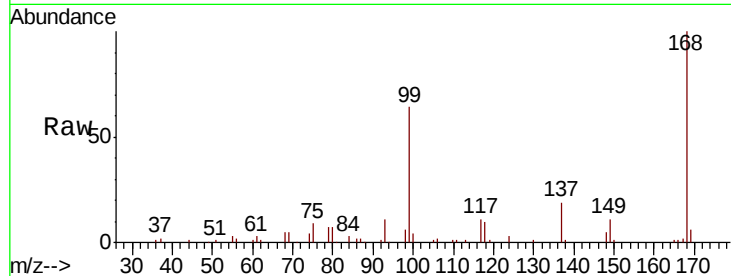




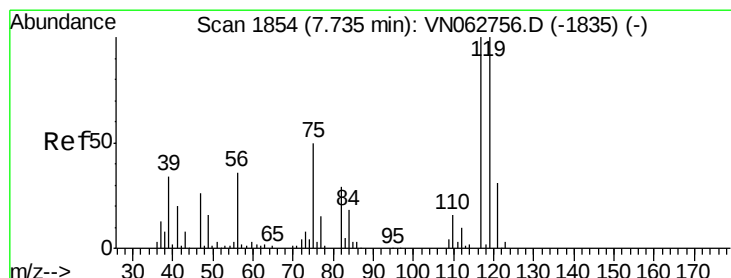
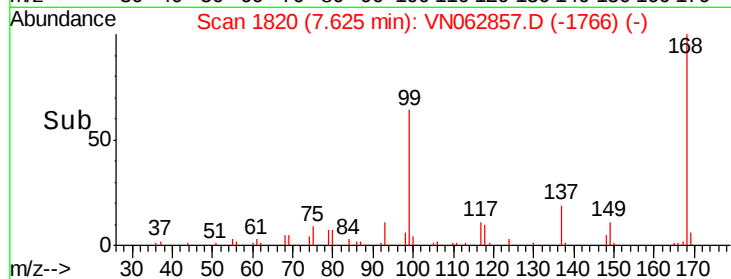
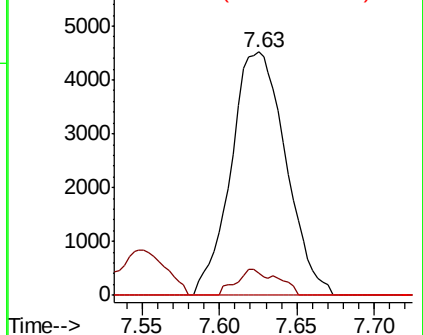
#36
 1,1-Dichloropropene
 Concen: 5.237 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062857.D
 Acq: 12 Aug 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB179-GW-618-620

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.6	46.7#
77	0.0	24.1	36.1#

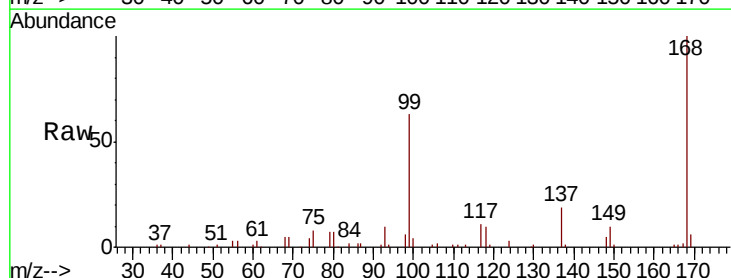


Abundance Ion 74.90 (74.60 to 75.60): VN062756.D (-1838) (-)
 Ion 109.90 (109.60 to 110.60): VN062756.D (-1838) (-)
 Ion 76.90 (76.60 to 77.60): VN062756.D (-1838) (-)

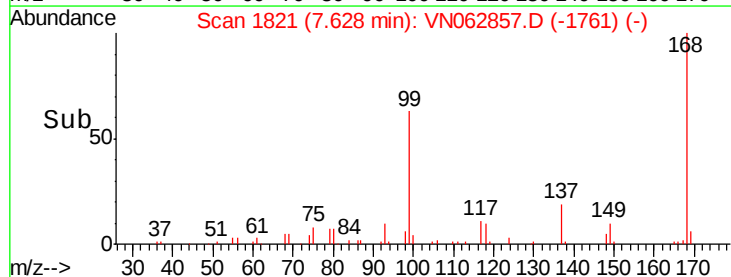
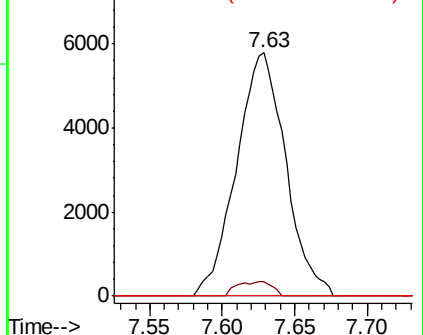


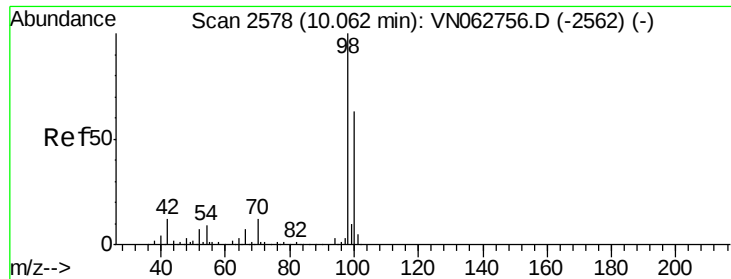
#38
 Carbon Tetrachloride
 Concen: 5.453 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062857.D
 Acq: 12 Aug 2020 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	79.4	119.2#
121	0.0	24.9	37.3#



Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)
 Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)
 Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)

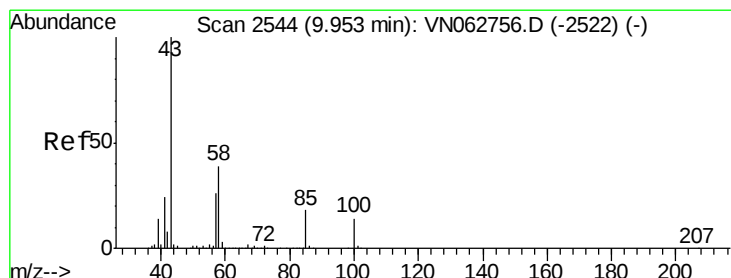
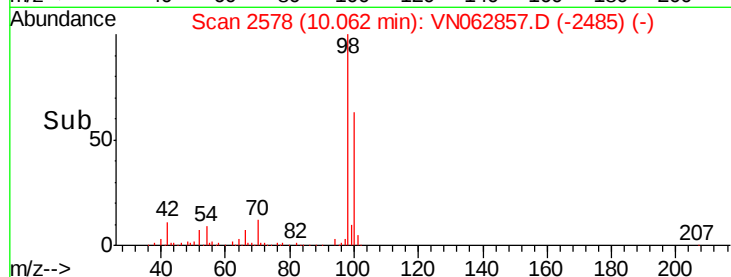
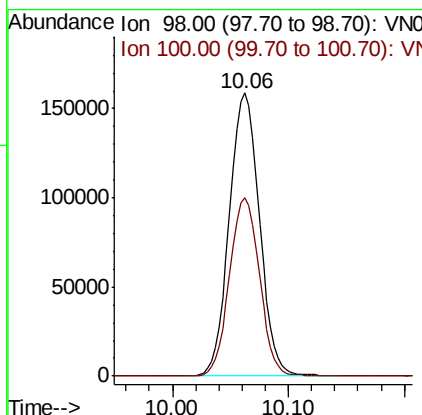
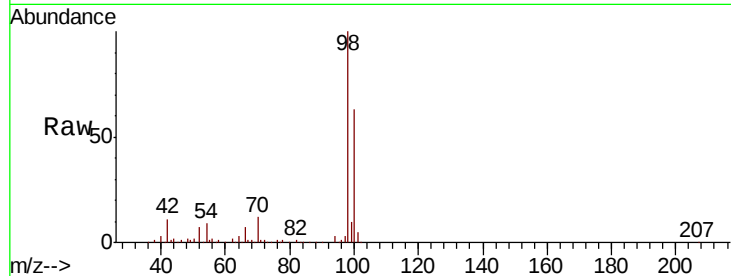




#50
Toluene-d8
Concen: 49.479 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062857.D
Acq: 12 Aug 2020 14:55

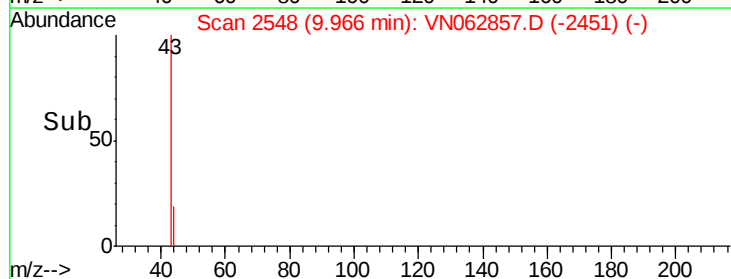
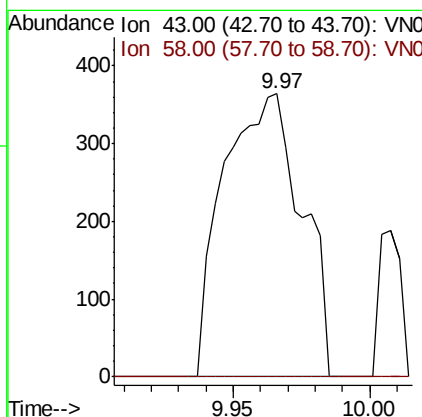
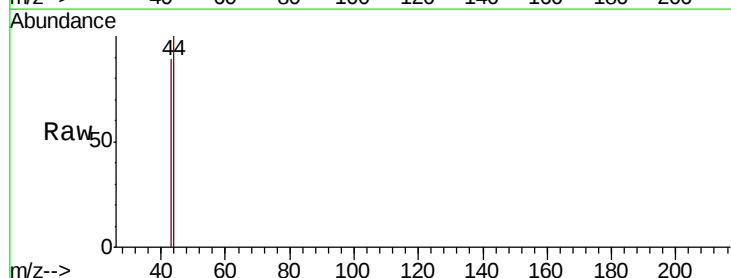
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-618-620

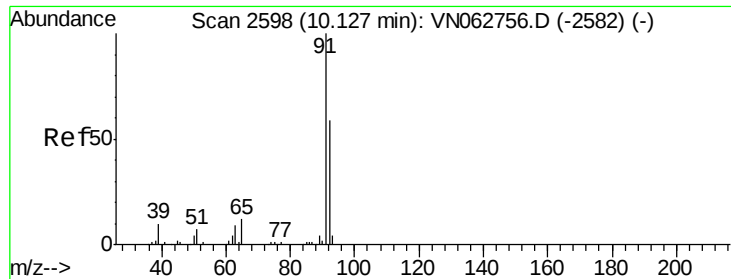
Tot Ion: 98 Resp: 287296
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.303 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. 0.01 min
Lab File: VN062857.D
Acq: 12 Aug 2020 14:55

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
58 0.0 31.1 46.7#





#52

Toluene

Concen: 0.580 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

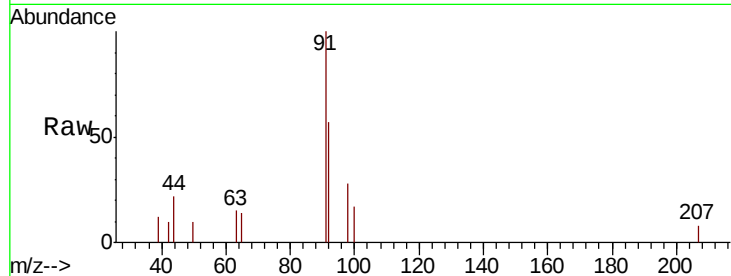
BP-VPB179-GW-618-620

Tot Ion: 92 Resp: 2262

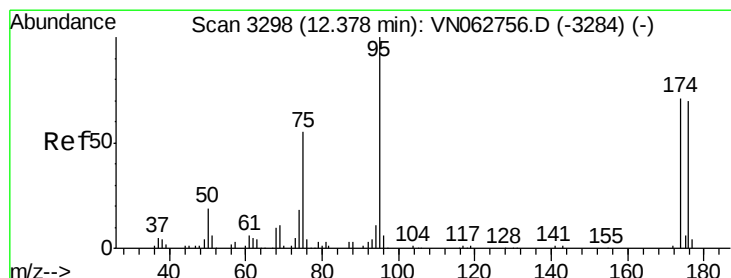
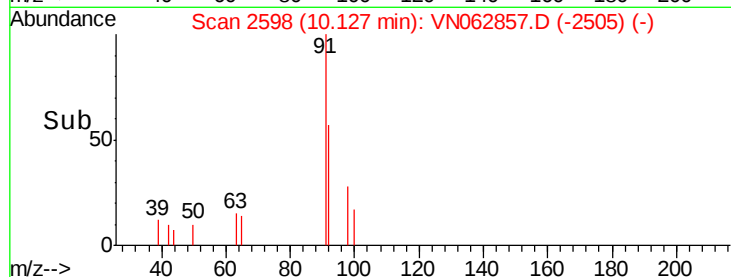
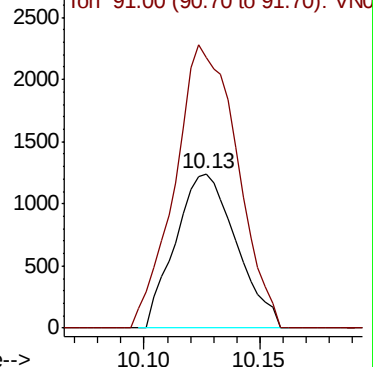
Ion Ratio Lower Upper

92 100

91 188.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN062756.D (-2582) (-)



#62

4-Bromofluorobenzene

Concen: 49.038 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

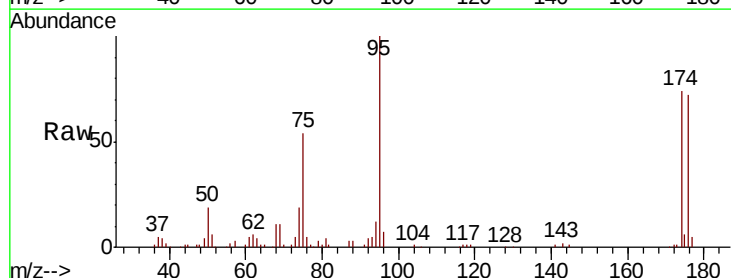
Tgt Ion: 95 Resp: 107601

Ion Ratio Lower Upper

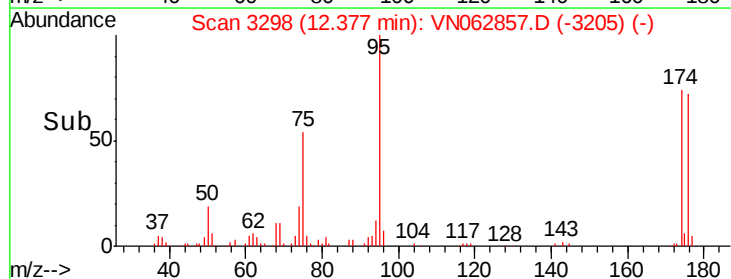
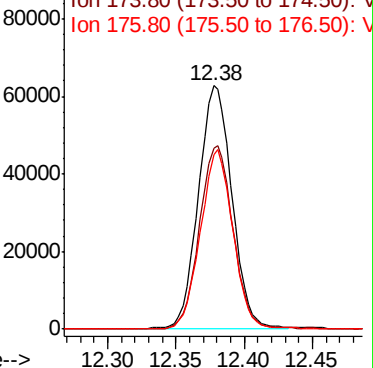
95 100

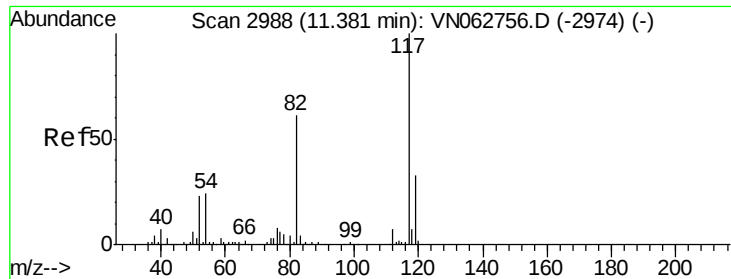
174 75.2 0.0 144.8

176 71.5 0.0 142.2



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

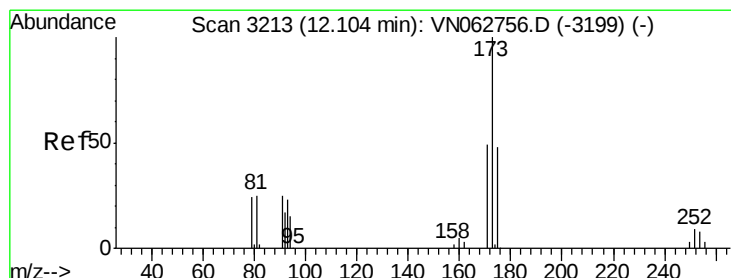
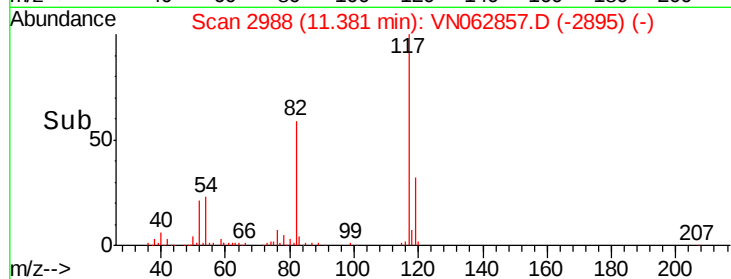
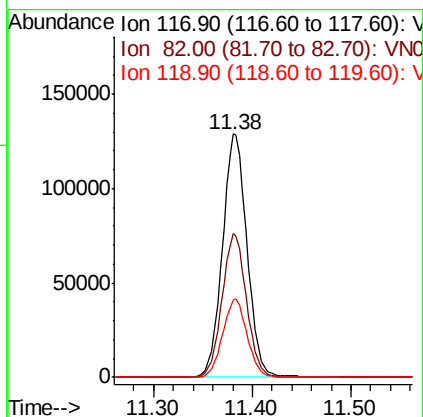
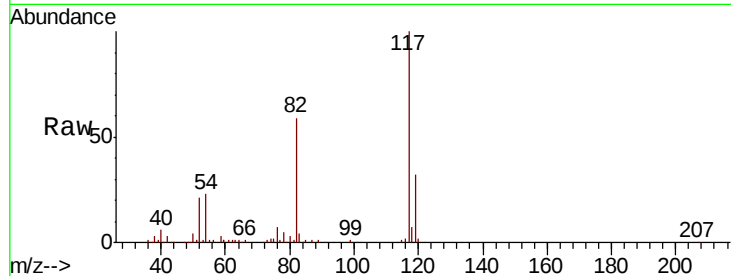




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062857.D
Acq: 12 Aug 2020 14:55

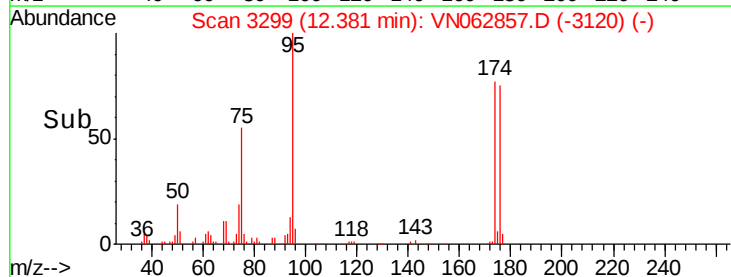
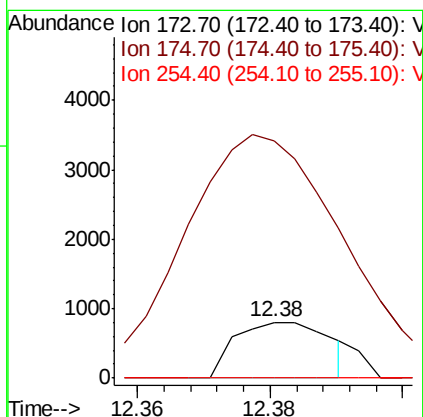
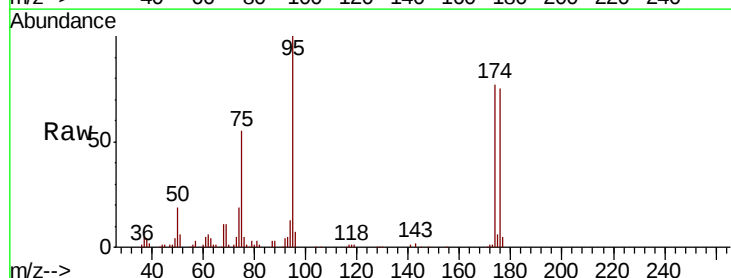
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB179-GW-618-620

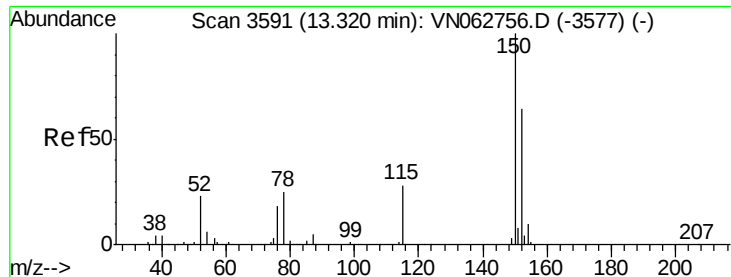
Tot Ion:117 Resp: 224920
Ion Ratio Lower Upper
117 100
82 58.8 49.0 73.4
119 31.8 26.2 39.2



#71
Bromoform
Concen: 0.513 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062857.D
Acq: 12 Aug 2020 14:55

Tgt Ion:173 Resp: 793
Ion Ratio Lower Upper
173 100
175 636.6 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-618-620

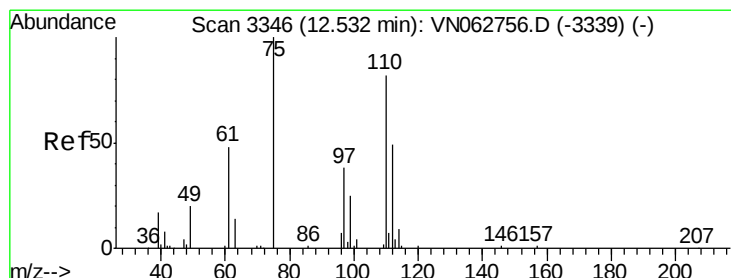
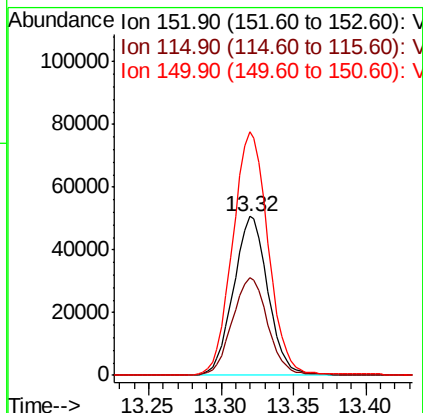
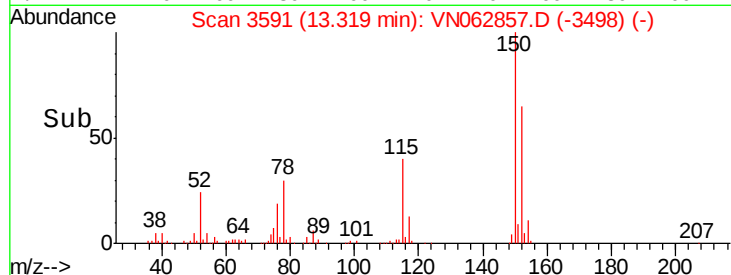
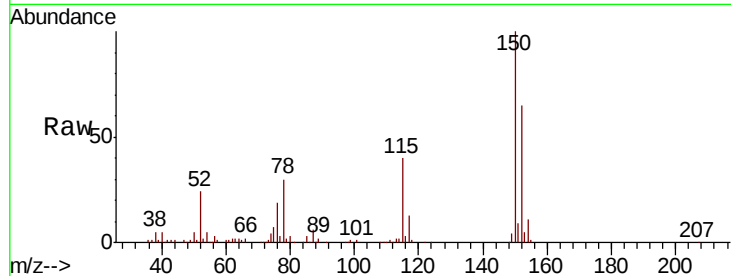
Tot Ion:152 Resp: 83821

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

150 158.0 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 25.466 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. -0.15 min

Lab File: VN062857.D

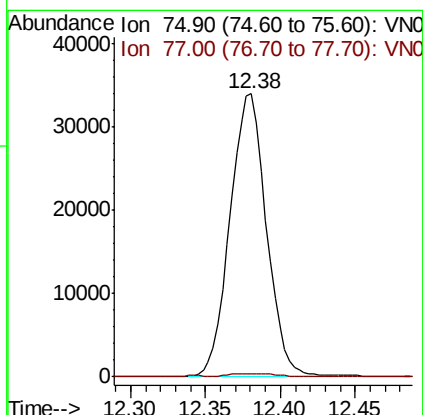
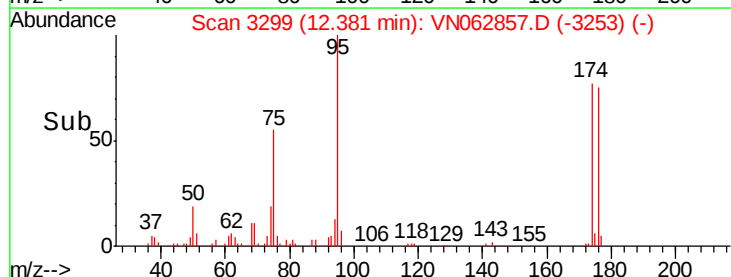
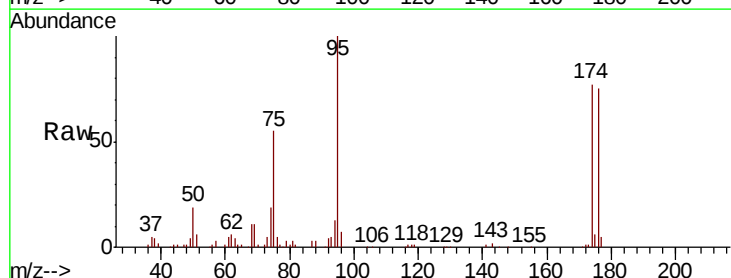
Acq: 12 Aug 2020 14:55

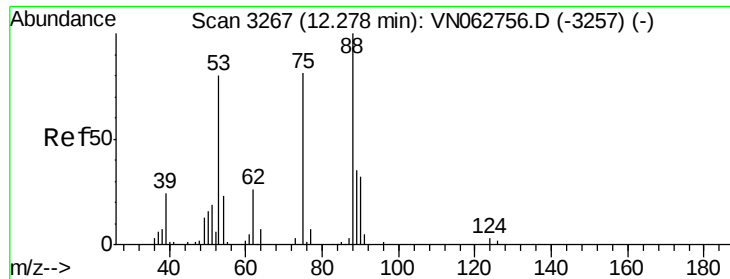
Tgt Ion: 75 Resp: 57567

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 77.740 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.10 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-618-620

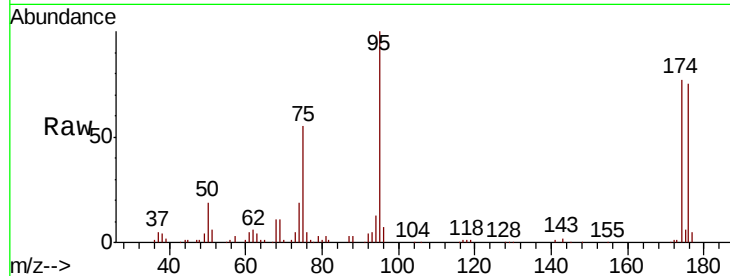
Tot Ion: 75 Resp: 57567

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

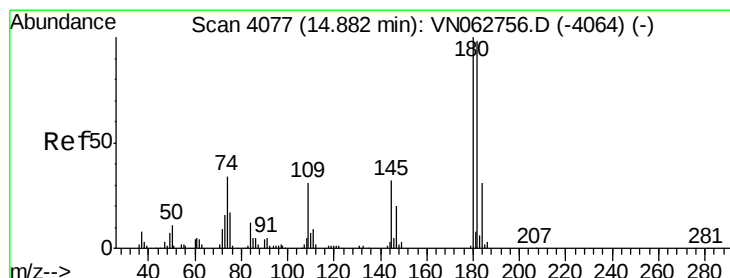
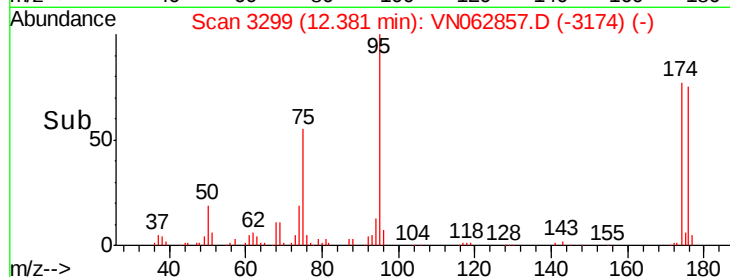
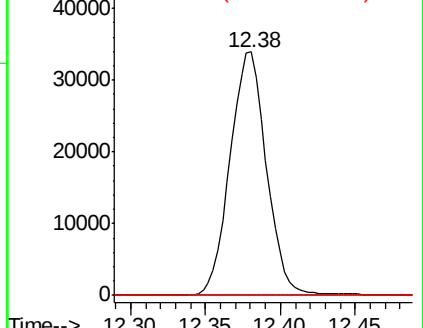
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062857.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062857.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062857.D (-3174) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.387 ug/l

RT: 14.89 min Scan# 4080

Delta R.T. 0.01 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

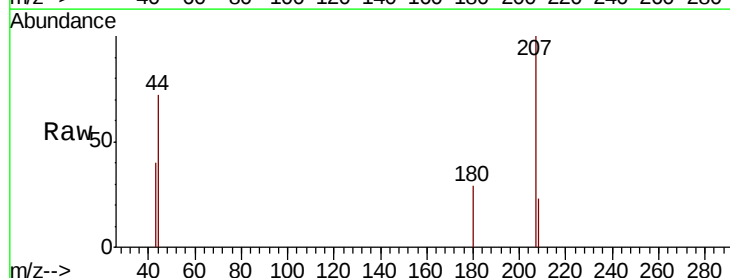
Tgt Ion: 180 Resp: 98

Ion Ratio Lower Upper

180 100

182 0.0 49.1 147.4#

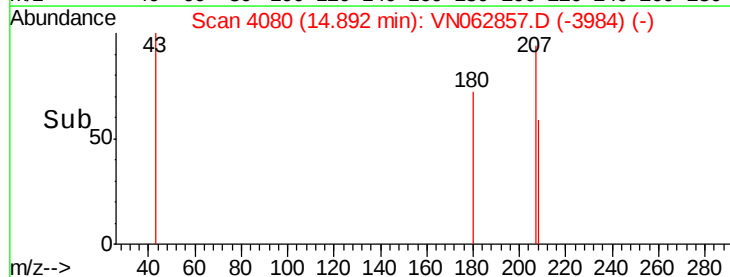
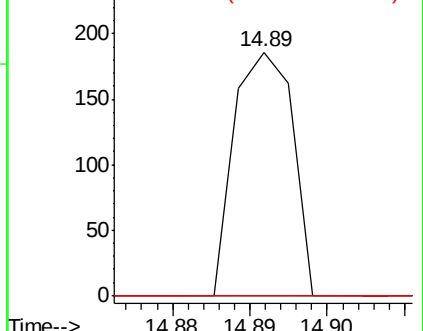
145 0.0 16.3 48.8#

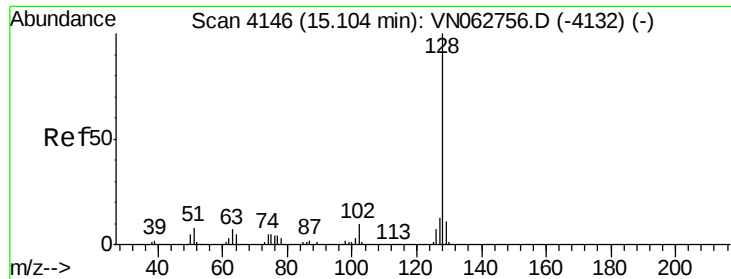


Abundance Ion 179.80 (179.50 to 180.50): VN062857.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062857.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062857.D (-3984) (-)





#95

Naphthalene

Concen: 3.979 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB179-GW-618-620

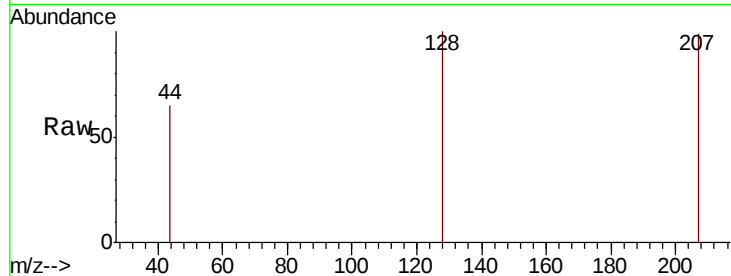
Tot Ion:128 Resp: 1128

Ion Ratio Lower Upper

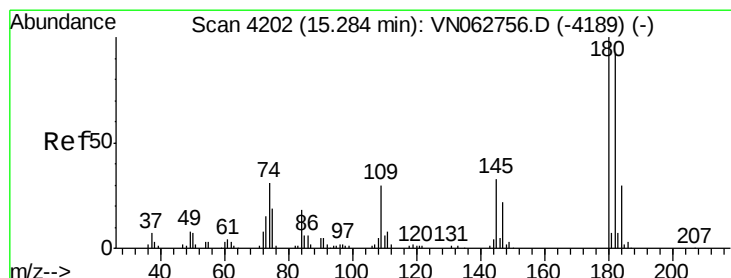
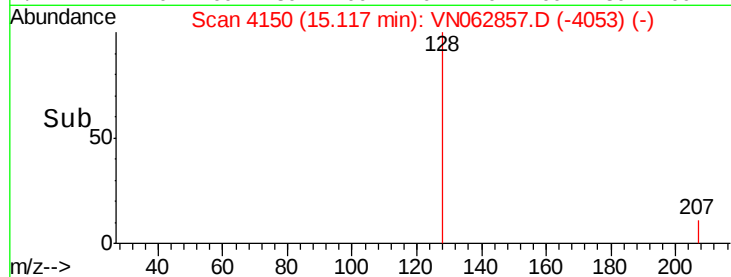
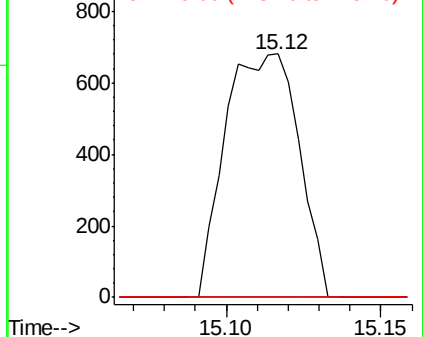
128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.868 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.01 min

Lab File: VN062857.D

Acq: 12 Aug 2020 14:55

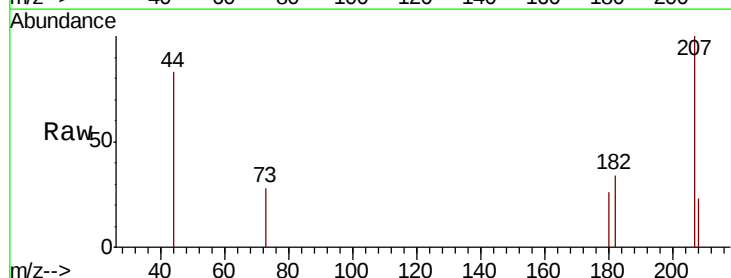
Tgt Ion:180 Resp: 188

Ion Ratio Lower Upper

180 100

182 84.0 47.9 143.6

145 0.0 17.3 51.7#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

