

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063778.D
 Acq On : 1 Oct 2020 17:46
 Operator : JC/MD
 Sample : L4200-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-01

Quant Time: Oct 02 02:15:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	215132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	407203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170332	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	187521	52.76	ug/l	0.00
Spiked Amount						
			Recovery	=	105.52%	
35) Dibromofluoromethane	7.55	113	135191	48.08	ug/l	0.00
Spiked Amount						
			Recovery	=	96.16%	
50) Toluene-d8	10.06	98	512073	48.04	ug/l	0.00
Spiked Amount						
			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.38	95	200806	50.11	ug/l	0.00
Spiked Amount						
			Recovery	=	100.22%	

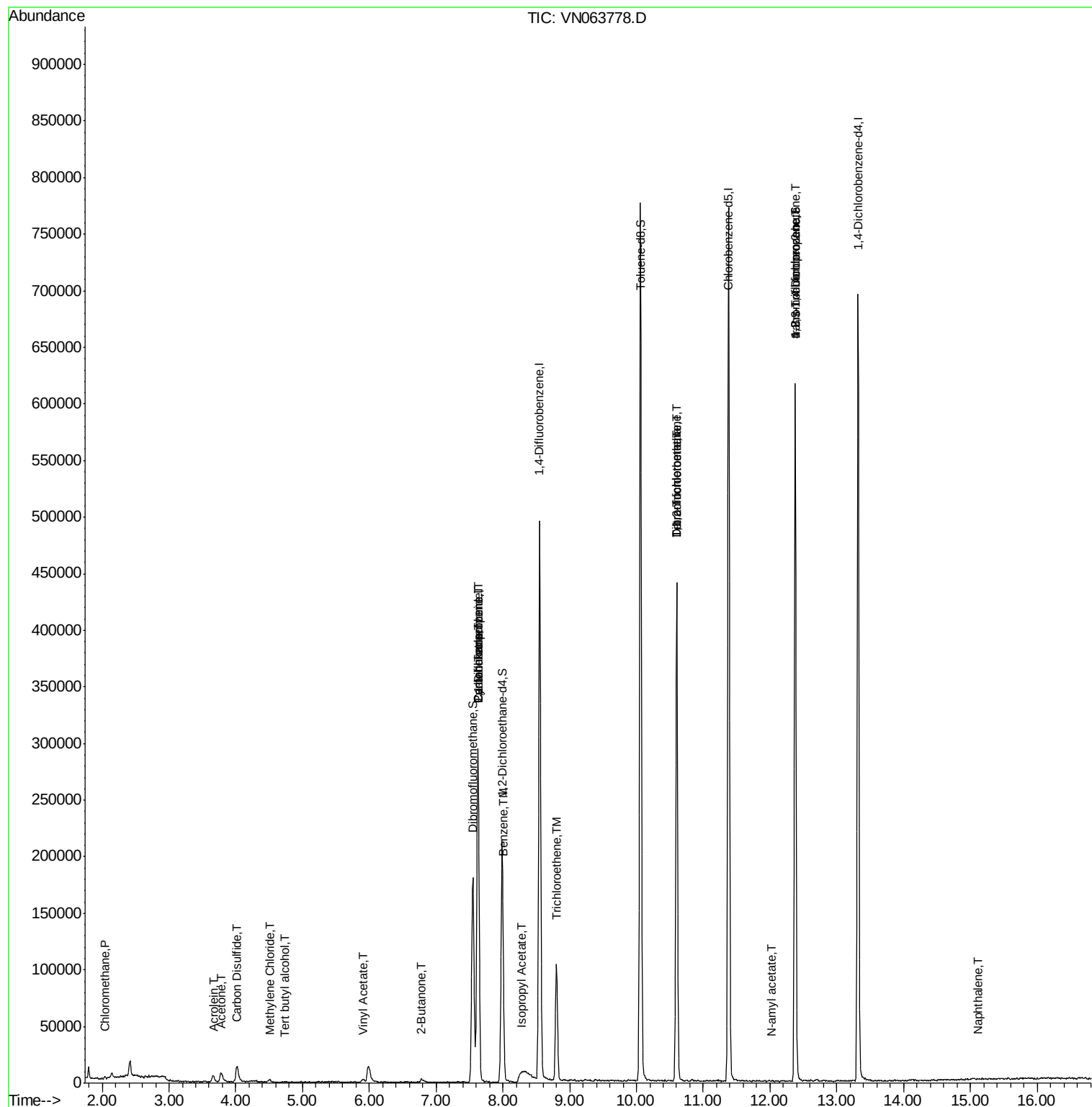
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1946	0.731	ug/l	95
11) Tert butyl alcohol	4.73	59	194	0.494	ug/l #	71
13) Acrolein	3.66	56	137	0.569	ug/l #	1
16) Acetone	3.78	43	14569	13.316	ug/l	100
17) Carbon Disulfide	4.01	76	496	0.784	ug/l #	76
20) Methylene Chloride	4.51	84	1356	0.638	ug/l #	79
23) Vinyl Acetate	5.90	43	1712	0.250	ug/l #	75
25) 2-Butanone	6.78	43	742	0.478	ug/l #	84
31) Cyclohexane	7.63	56	6501	1.576	ug/l #	6
36) 1,1-Dichloropropene	7.63	75	19689	4.796	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24823	5.392	ug/l #	14
40) Benzene	8.01	78	5167	0.441	ug/l #	88
43) Isopropyl Acetate	8.27	43	7056	1.049	ug/l #	64
44) Trichloroethene	8.80	130	34528	11.238	ug/l	97
55) 1,1,2-Trichloroethane	10.61	97	1060	0.364	ug/l #	34
60) Dibromochloromethane	10.60	129	89978	26.561	ug/l #	11
64) Tetrachloroethene	10.60	164	89469	28.399	ug/l	98
74) N-amyl acetate	12.04	43	201	2.249	ug/l #	55
76) 1,2,3-Trichloropropane	12.38	75	112671	30.007	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112671	86.426	ug/l #	6
95) Naphthalene	15.12	128	32	1.928	ug/l #	69

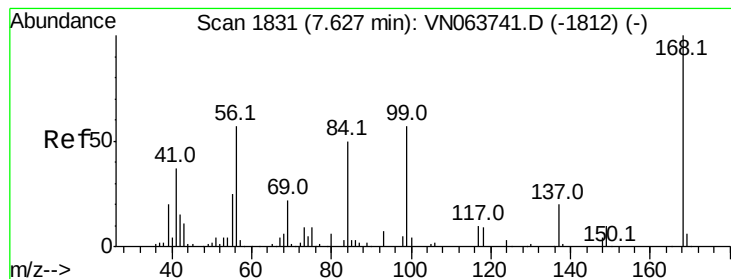
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
Data File : VN063778.D
Acq On : 1 Oct 2020 17:46
Operator : JC/MD
Sample : L4200-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-01

Quant Time: Oct 02 02:15:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

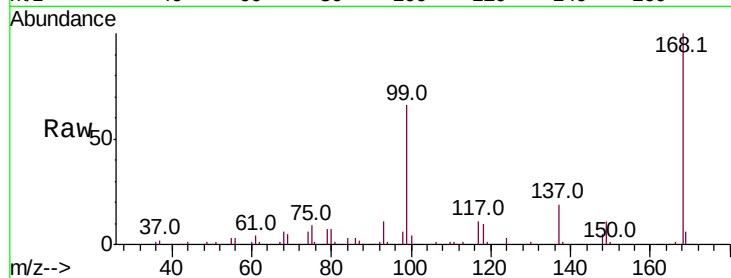
PB-2020-WW-000-01

Tot Ion:168 Resp: 215132

Ion Ratio Lower Upper

168 100

99 65.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

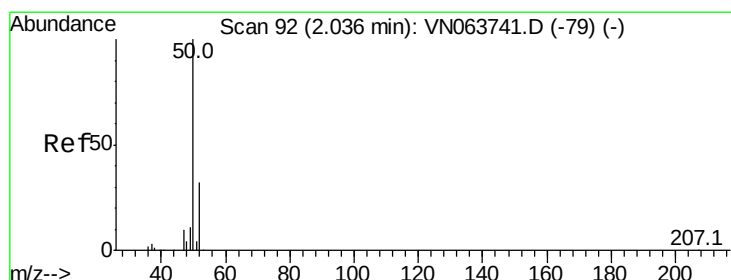
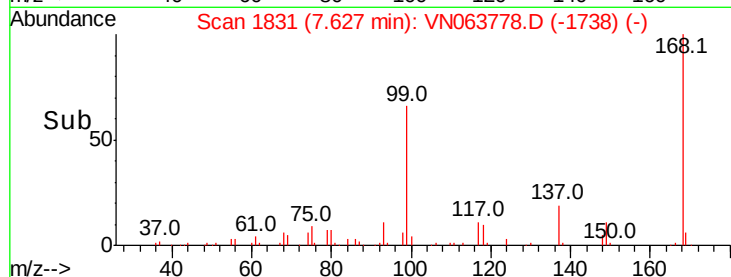
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.731 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063778.D

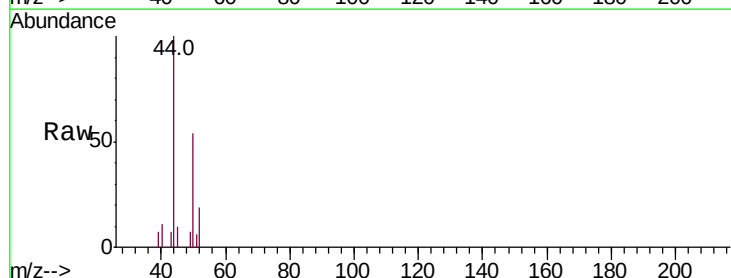
Acq: 1 Oct 2020 17:46

Tgt Ion: 50 Resp: 1946

Ion Ratio Lower Upper

50 100

52 34.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

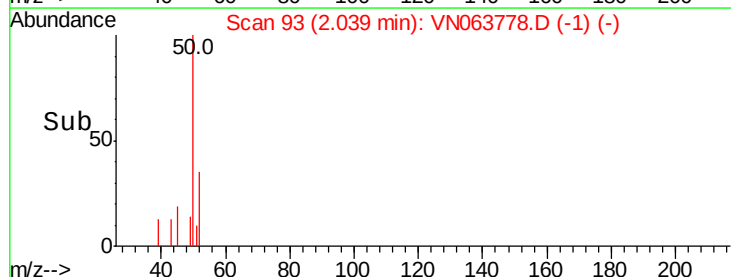
1500

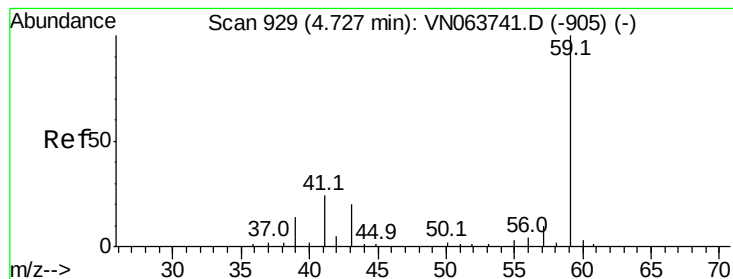
1000

500

0

Time--> 2.00 2.02 2.04 2.06 2.08



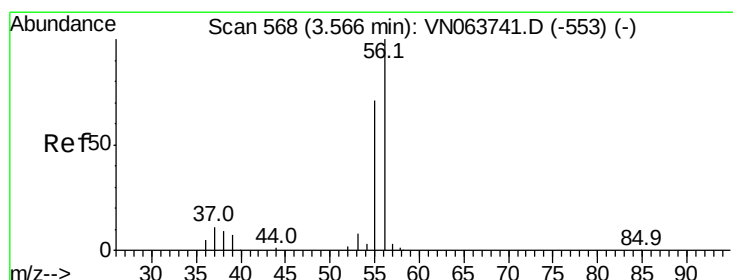
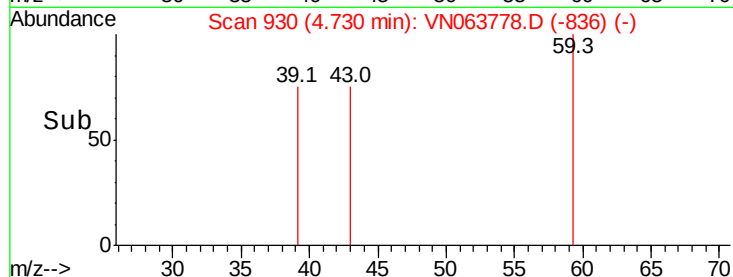
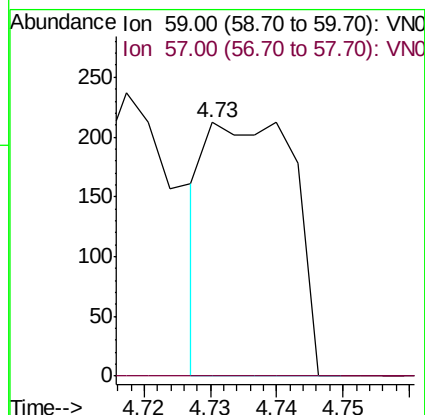
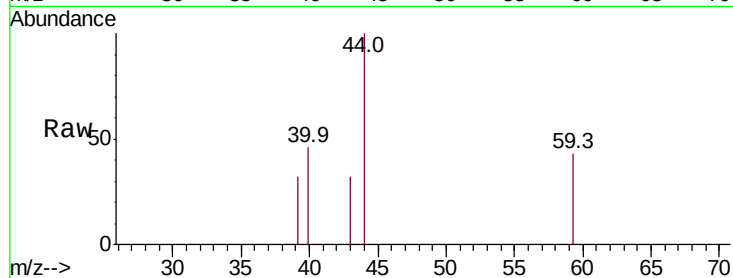


#11

Tert butyl alcohol
 Concen: 0.494 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-01

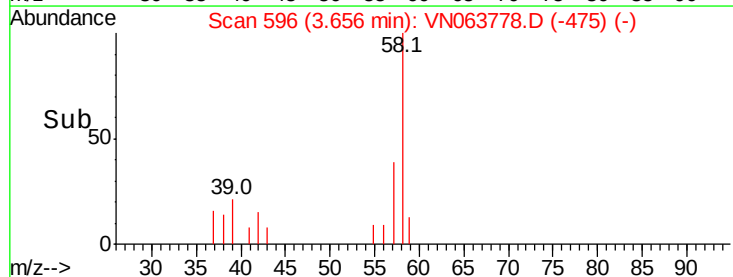
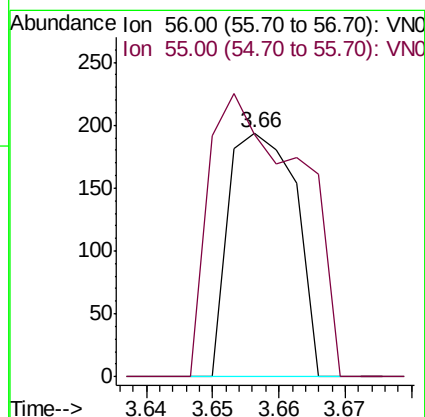
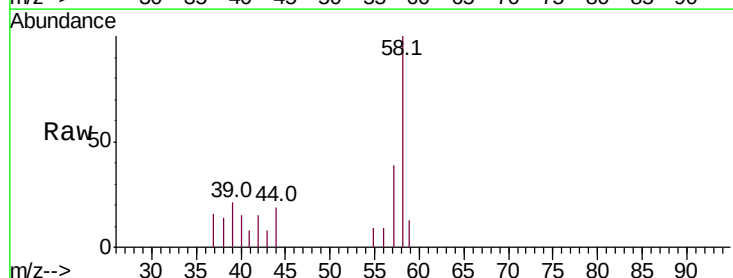
Tot Ion: 59 Resp: 194
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

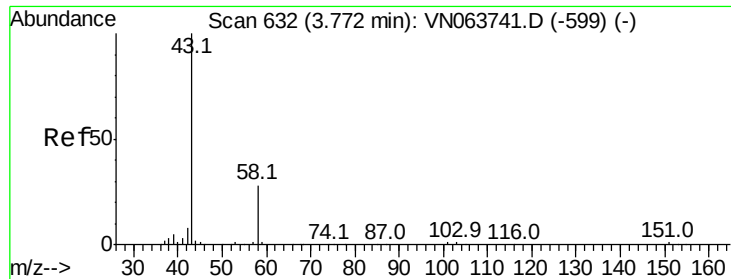


#13

Acrolein
 Concen: 0.569 ug/l
 RT: 3.66 min Scan# 596
 Delta R.T. 0.09 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Tgt Ion: 56 Resp: 137
 Ion Ratio Lower Upper
 56 100
 55 156.9 56.9 85.3#





#16

Acetone

Concen: 13.316 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

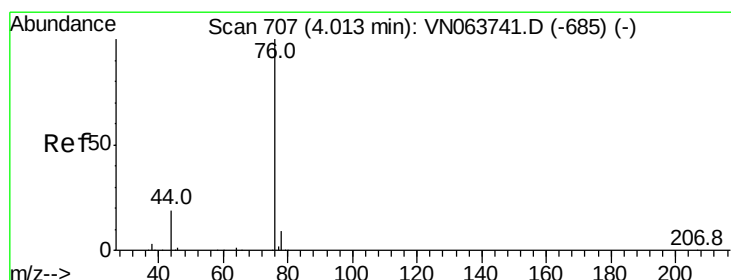
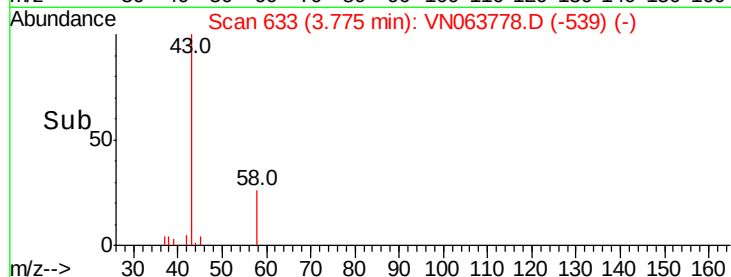
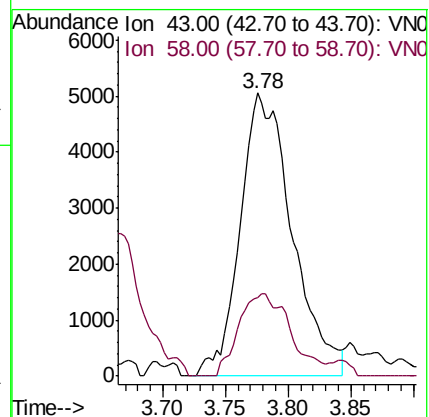
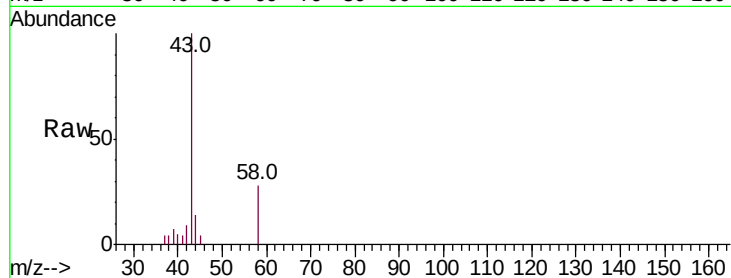
PB-2020-WW-000-01

Tot Ion: 43 Resp: 14569

Ion Ratio Lower Upper

43 100

58 27.9 22.3 33.5



#17

Carbon Disulfide

Concen: 0.784 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063778.D

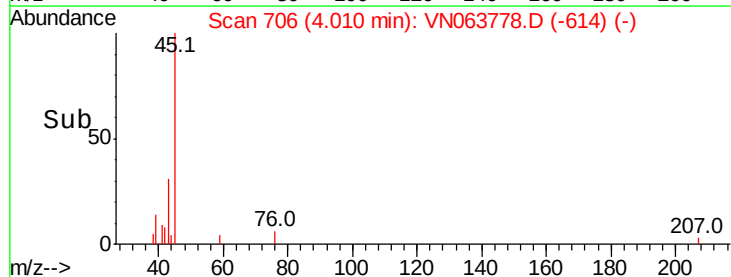
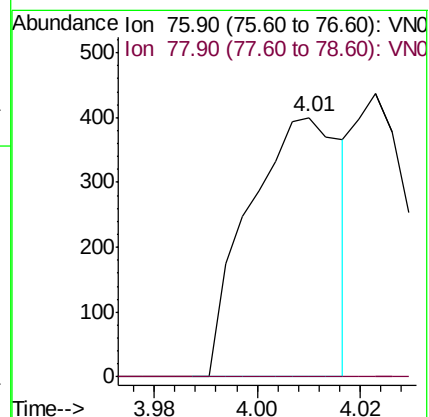
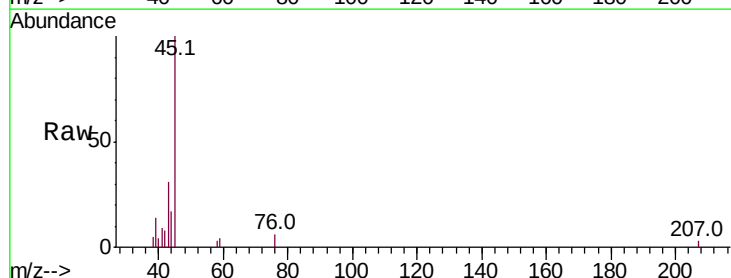
Acq: 1 Oct 2020 17:46

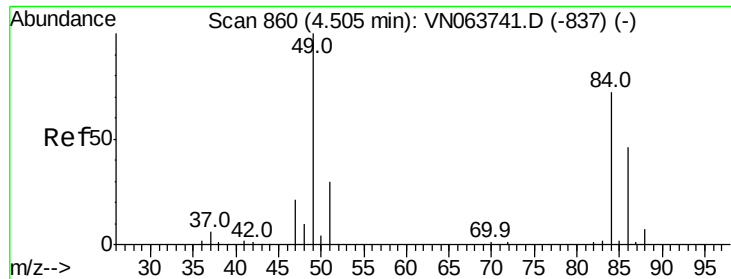
Tgt Ion: 76 Resp: 496

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

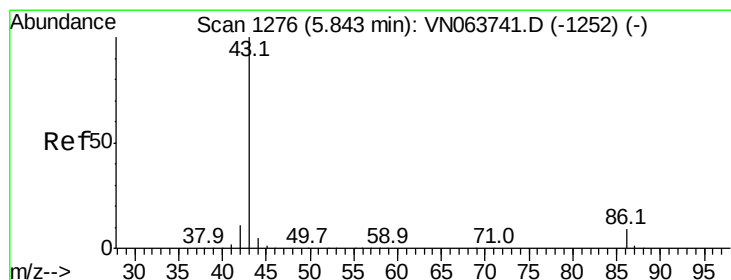
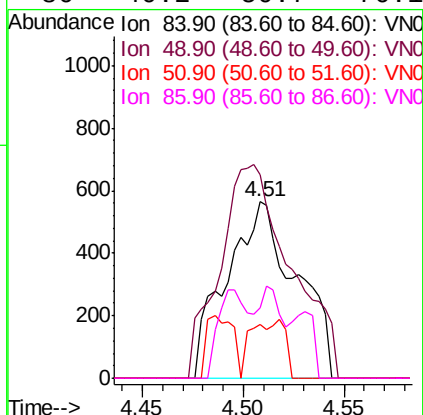
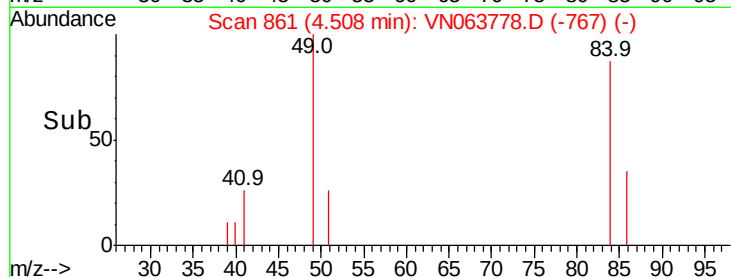
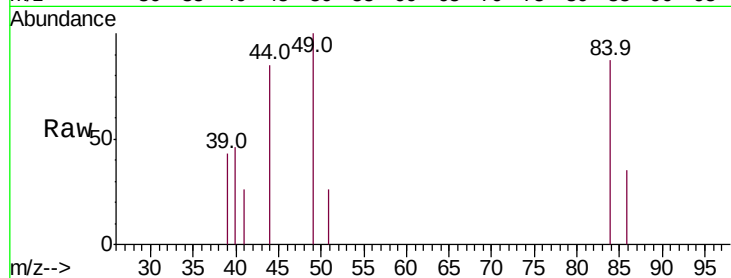




#20
Methvlene Chloride
Concen: 0.638 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063778.D
Acq: 1 Oct 2020 17:46

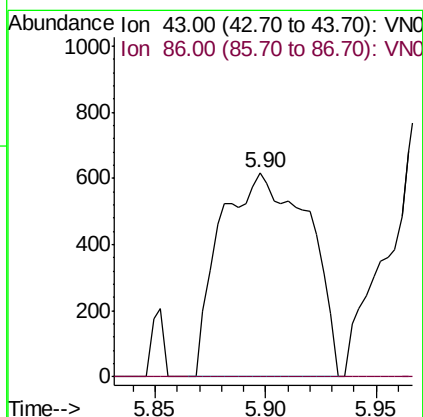
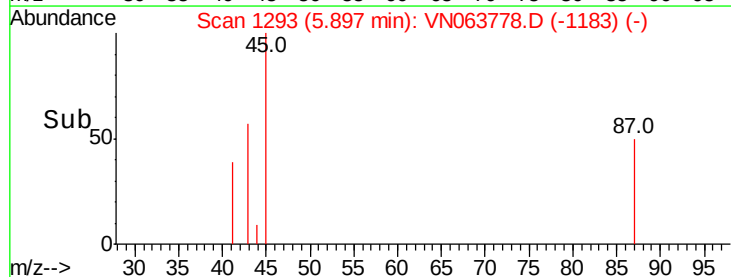
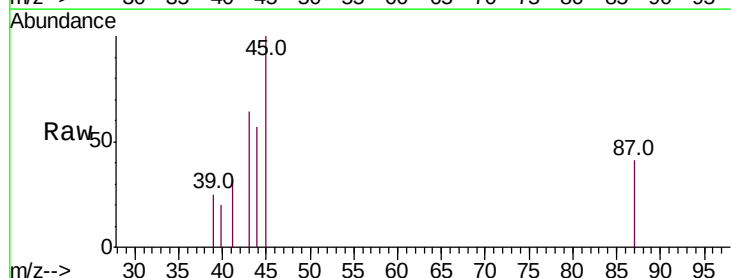
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-01

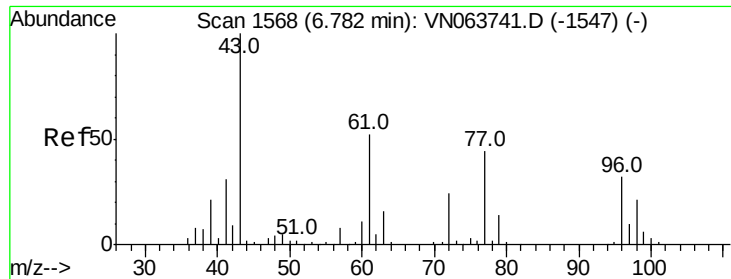
Tot Ion: 84 Resp: 1356
Ion Ratio Lower Upper
84 100
49 115.4 110.4 165.6
51 30.3 33.3 49.9#
86 40.2 50.7 76.1#



#23
Vinyl Acetate
Concen: 0.250 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. 0.05 min
Lab File: VN063778.D
Acq: 1 Oct 2020 17:46

Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#

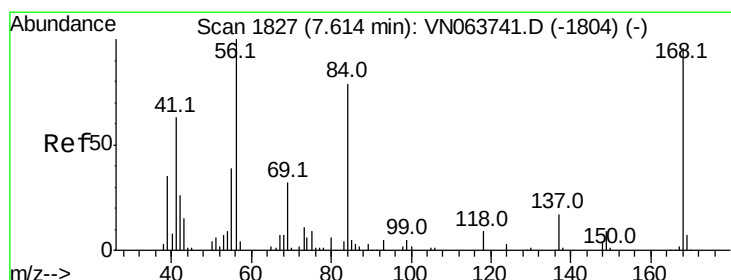
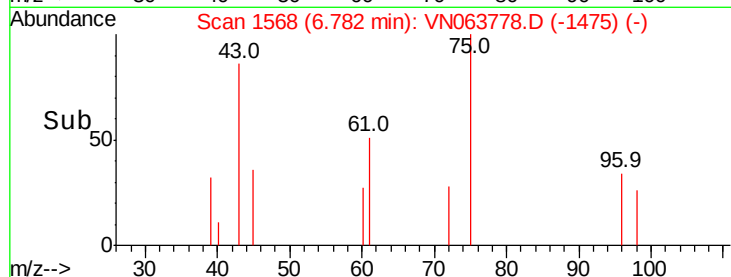
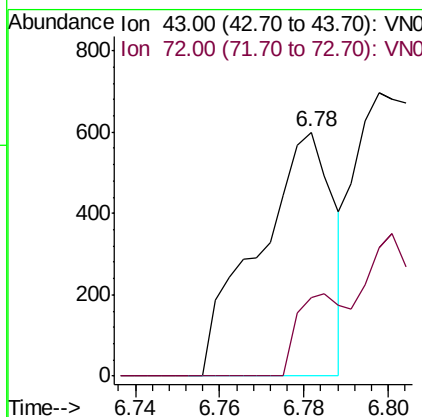
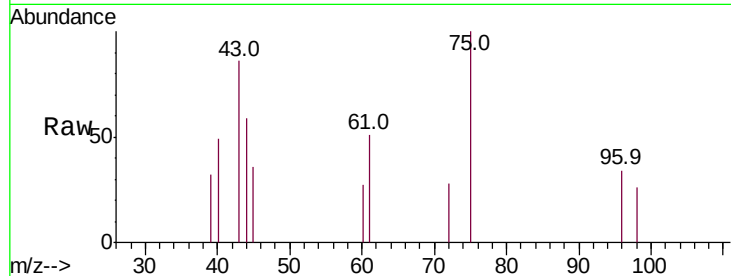




#25
2-Butanone
Concen: 0.478 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063778.D
Acq: 1 Oct 2020 17:46

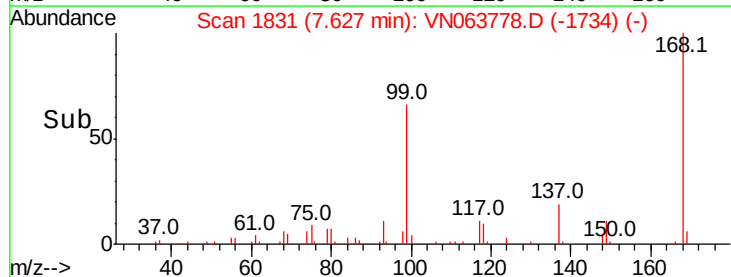
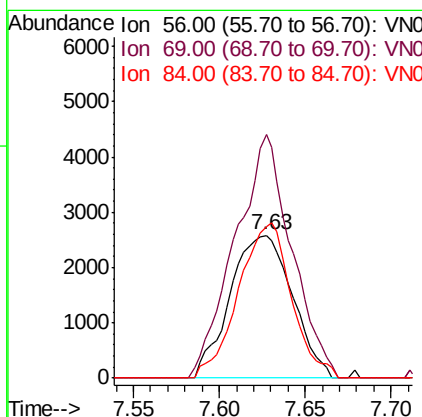
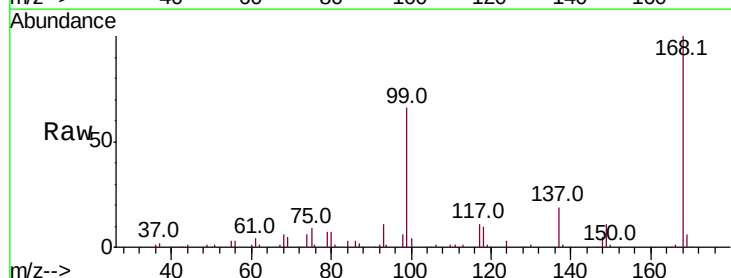
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-01

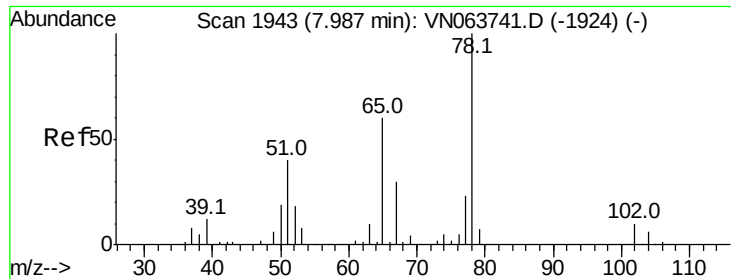
Tot Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
72 32.2 19.3 28.9#



#31
Cyclohexane
Concen: 1.576 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063778.D
Acq: 1 Oct 2020 17:46

Tgt Ion: 56 Resp: 6501
Ion Ratio Lower Upper
56 100
69 170.8 25.4 38.2#
84 106.4 63.3 94.9#

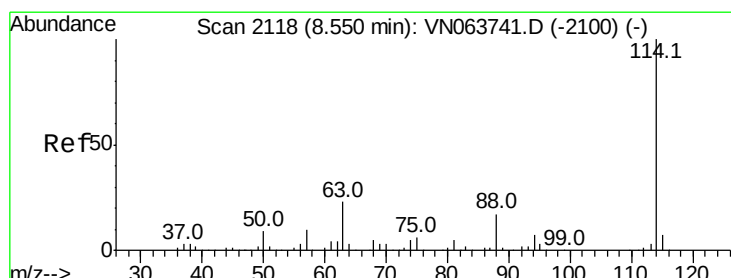
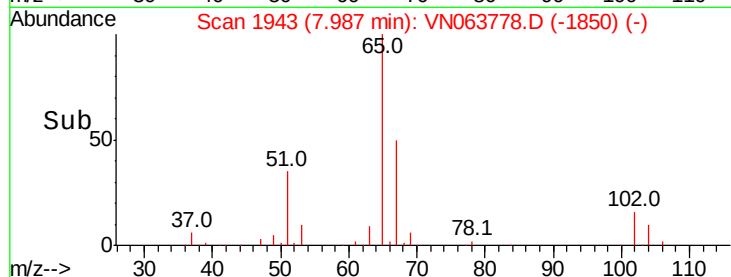
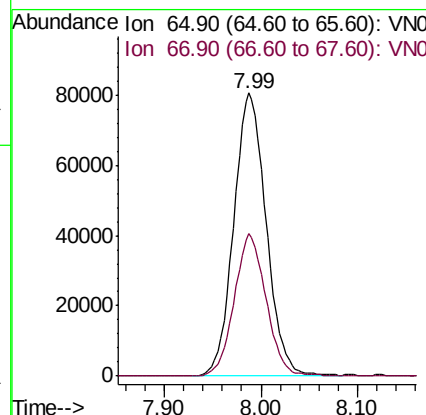
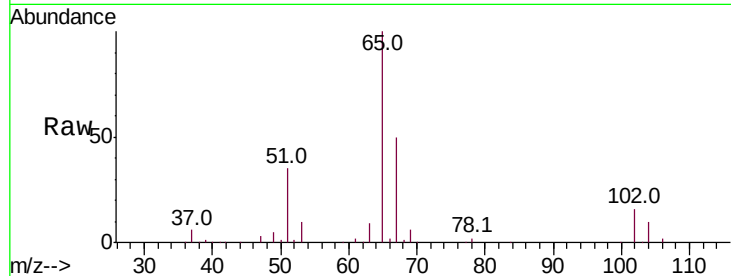




#33
 1,2-Dichloroethane-d4
 Concen: 52.761 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

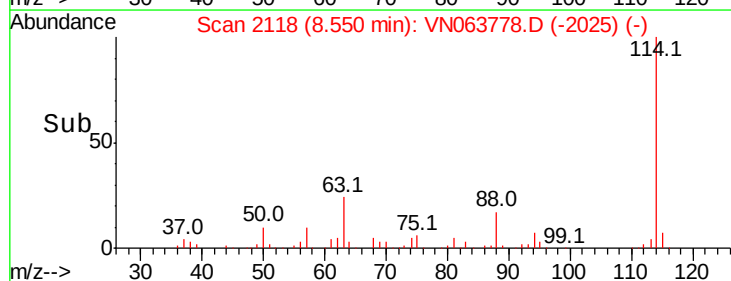
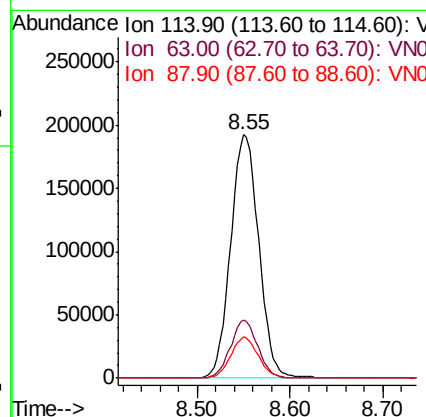
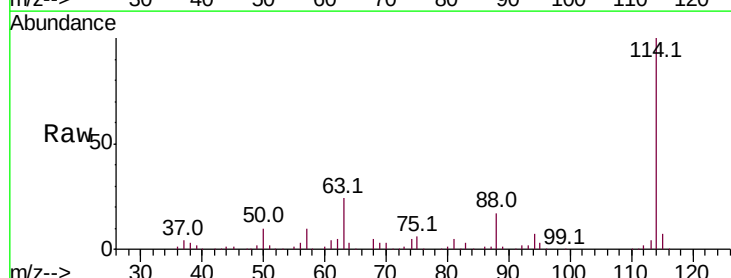
Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-01

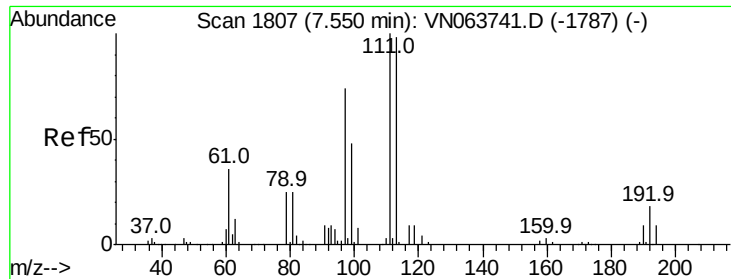
Tot Ion: 65 Resp: 187521
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Tgt Ion: 114 Resp: 405253
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.0
 88 16.8 0.0 34.0

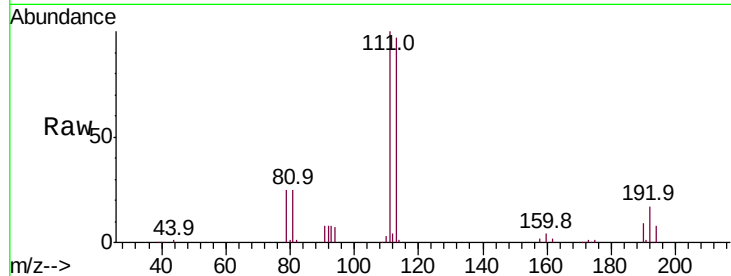




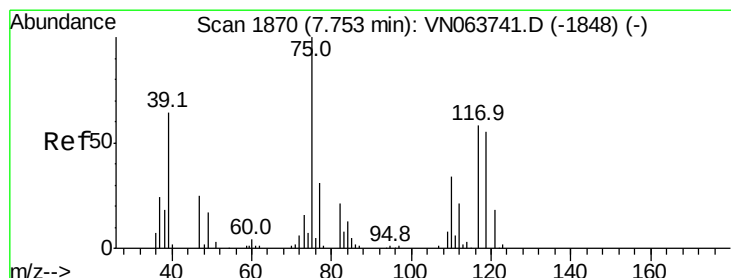
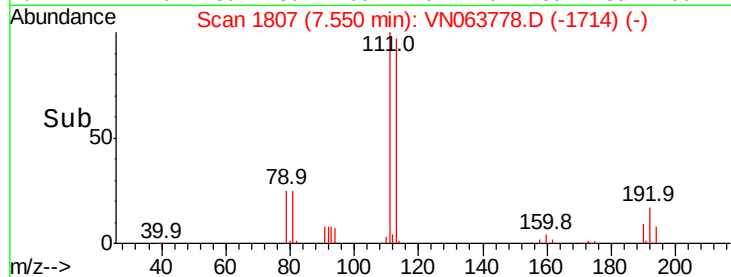
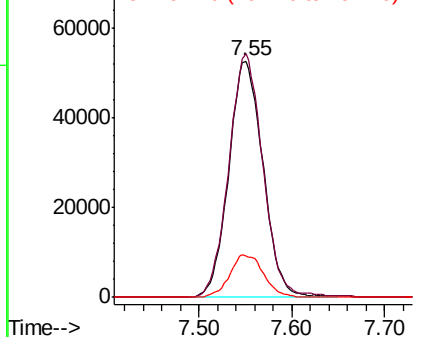
#35
 Dibromofluoromethane
 Concen: 48.077 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	17.7	14.2	21.2

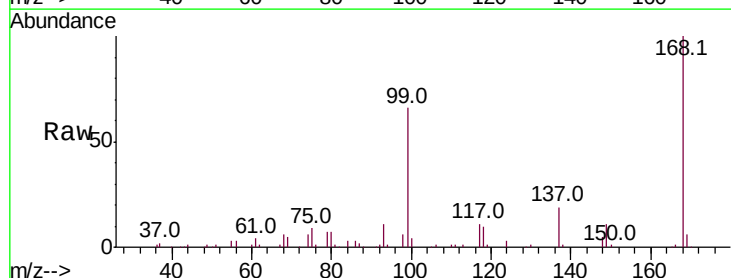


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

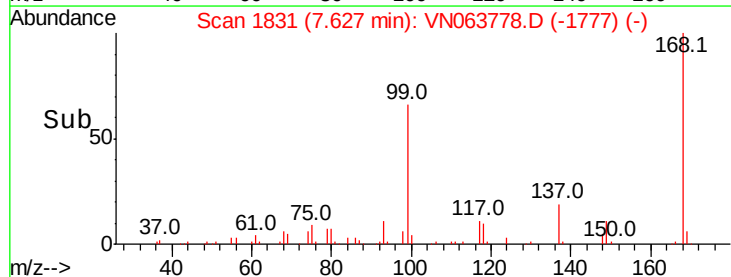
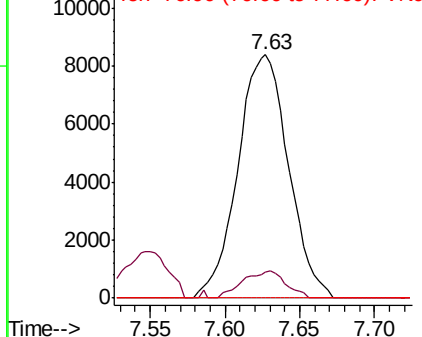


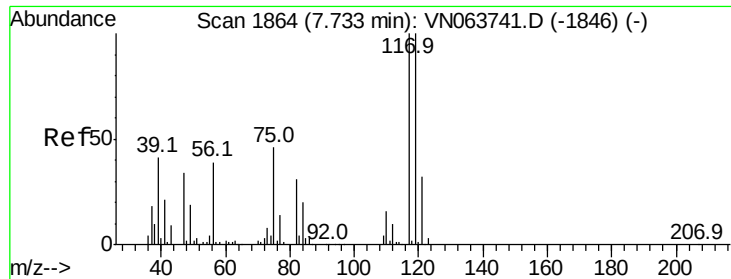
#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.9	50.6#
77	0.0	24.5	36.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.392 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-01

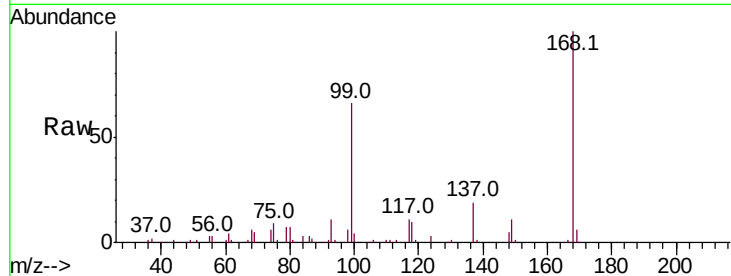
Tot Ion:117 Resp: 24823

Ion Ratio Lower Upper

117 100

119 5.5 80.1 120.1#

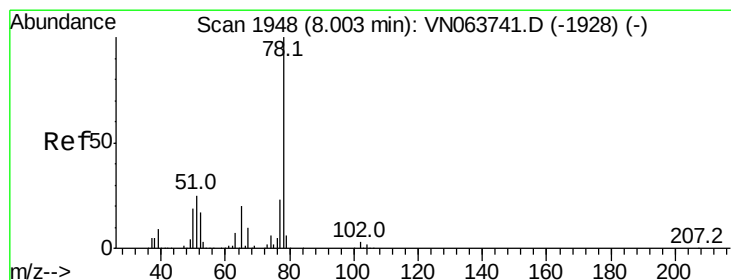
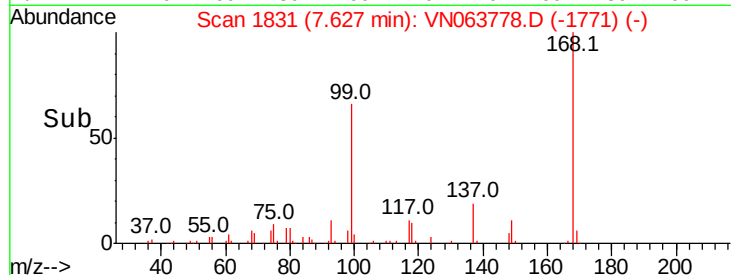
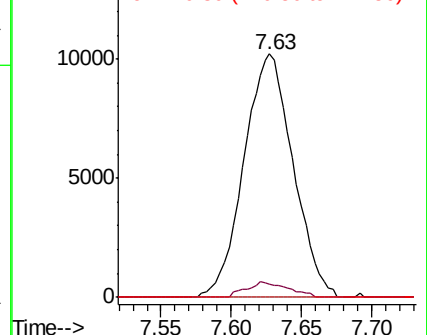
121 0.0 25.7 38.5#



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



#40

Benzene

Concen: 0.441 ug/l

RT: 8.01 min Scan# 1950

Delta R.T. 0.01 min

Lab File: VN063778.D

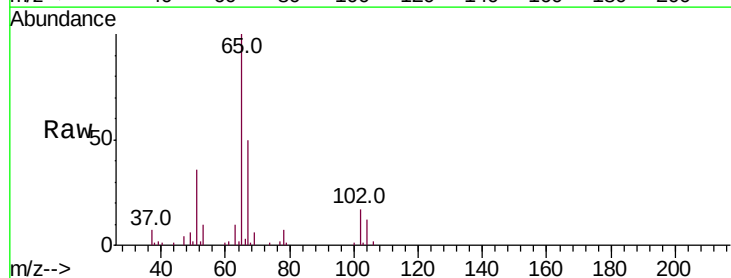
Acq: 1 Oct 2020 17:46

Tgt Ion: 78 Resp: 5167

Ion Ratio Lower Upper

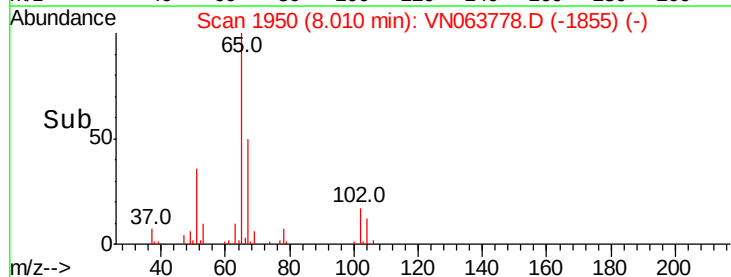
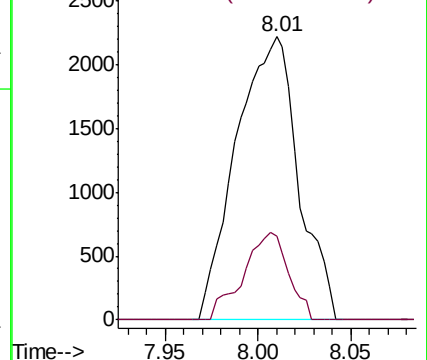
78 100

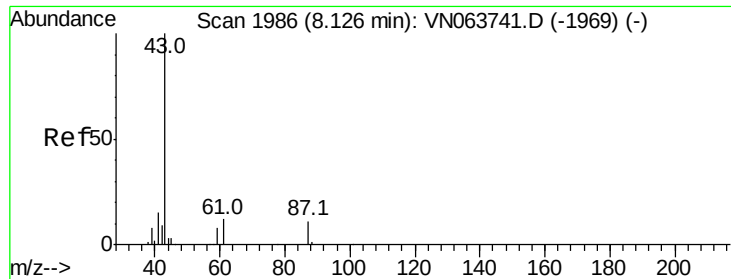
77 29.4 18.7 28.1#



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 1.049 ug/l

RT: 8.27 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-01

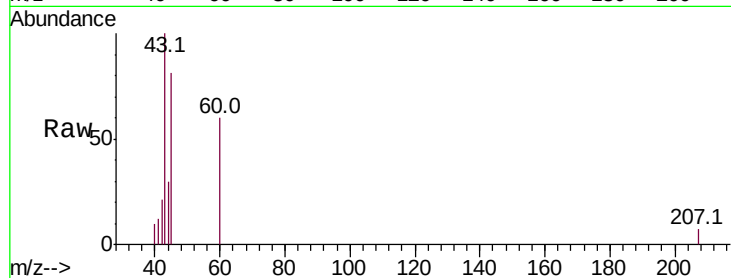
Tot Ion: 43 Resp: 7056

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.0 13.6#

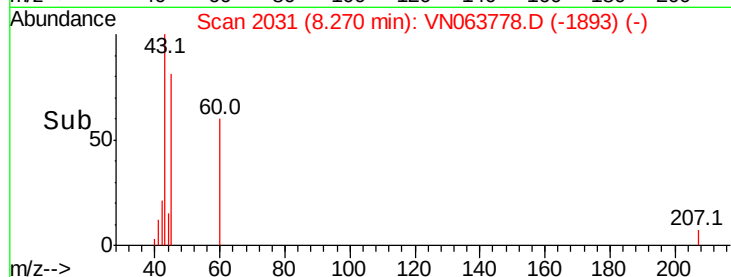


Abundance Ion 43.00 (42.70 to 43.70): VN063778.D (-2031) (-)

Ion 61.00 (60.70 to 61.70): VN063778.D (-2031) (-)

Ion 87.00 (86.70 to 87.70): VN063778.D (-2031) (-)

Time-->

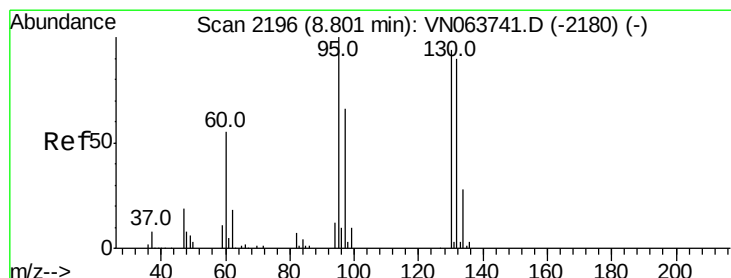


Abundance Ion 43.00 (42.70 to 43.70): VN063778.D (-2031) (-)

Ion 61.00 (60.70 to 61.70): VN063778.D (-2031) (-)

Ion 87.00 (86.70 to 87.70): VN063778.D (-2031) (-)

Time-->



#44

Trichloroethene

Concen: 11.238 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063778.D

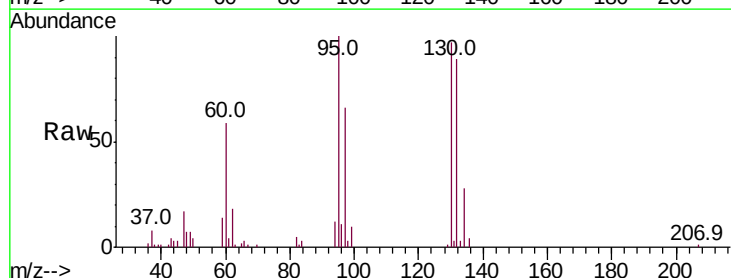
Acq: 1 Oct 2020 17:46

Tgt Ion:130 Resp: 34528

Ion Ratio Lower Upper

130 100

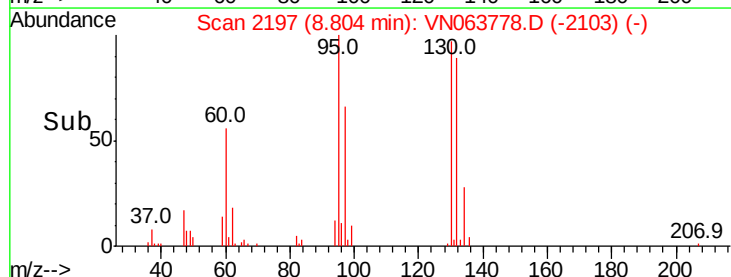
95 103.6 0.0 213.6



Abundance Ion 129.80 (129.50 to 130.50): VN063778.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN063778.D (-2197) (-)

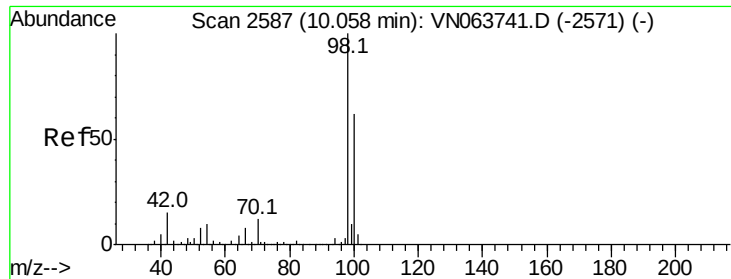
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN063778.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN063778.D (-2197) (-)

Time-->



#50

Toluene-d8

Concen: 48.038 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

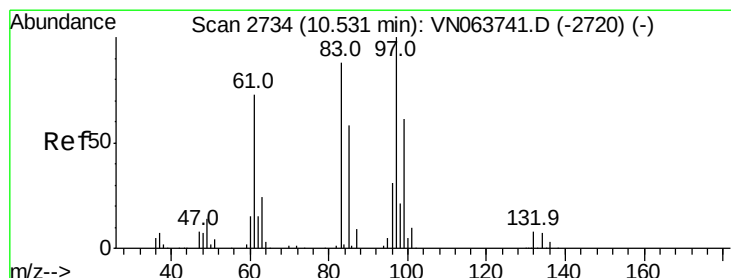
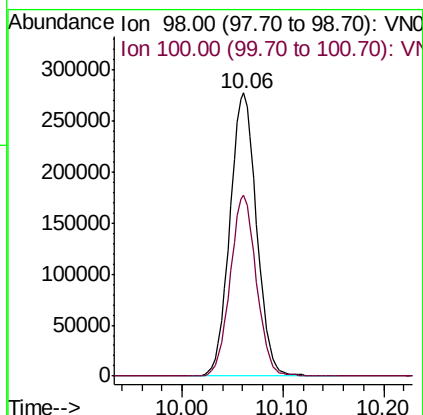
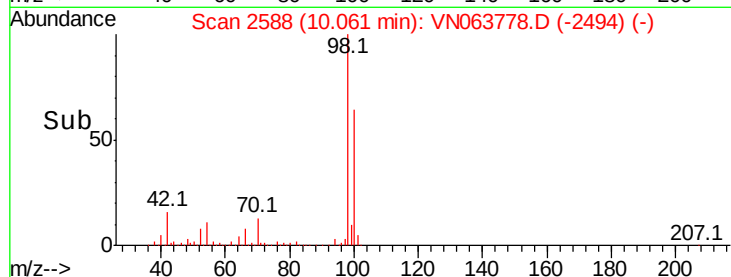
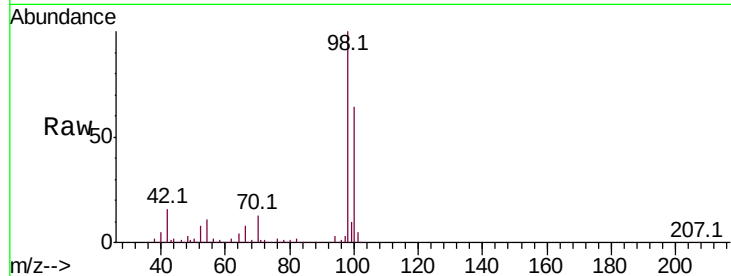
PB-2020-WW-000-01

Tot Ion: 98 Resp: 512073

Ion Ratio Lower Upper

98 100

100 62.3 49.8 74.6



#55

1,1,2-Trichloroethane

Concen: 0.364 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. 0.08 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Tgt Ion: 97 Resp: 1060

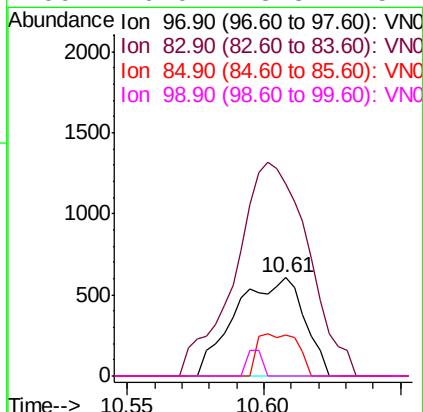
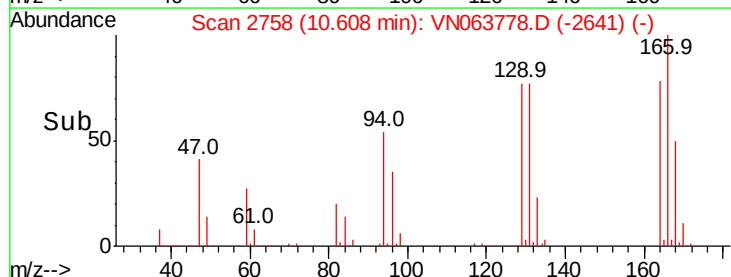
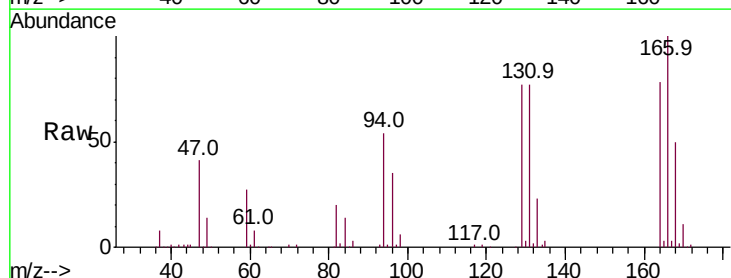
Ion Ratio Lower Upper

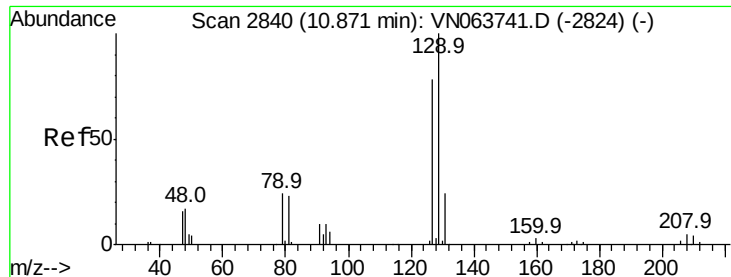
97 100

83 166.6 70.7 106.1#

85 41.2 46.1 69.1#

99 0.0 48.8 73.2#





#60

Dibromochloromethane

Concen: 26.561 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

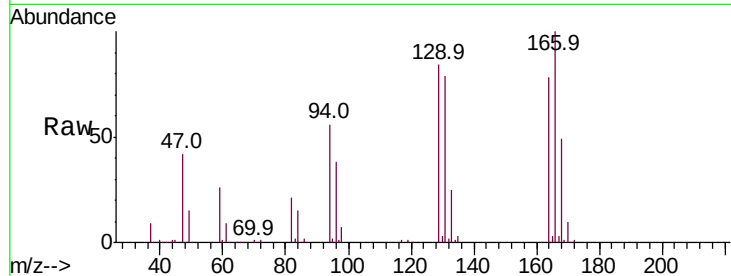
PB-2020-WW-000-01

Tot Ion:129 Resp: 89978

Ion Ratio Lower Upper

129 100

127 0.1 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

60000

50000

40000

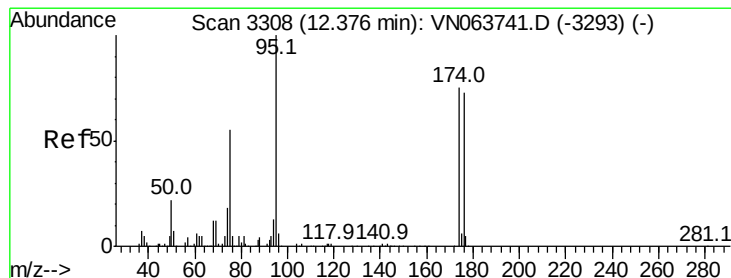
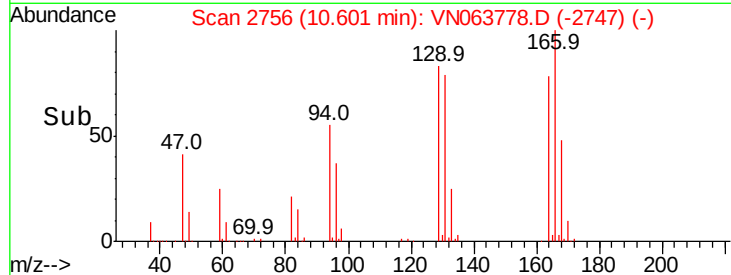
30000

20000

10000

0

Time--> 10.55 10.60 10.65



#62

4-Bromofluorobenzene

Concen: 50.112 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

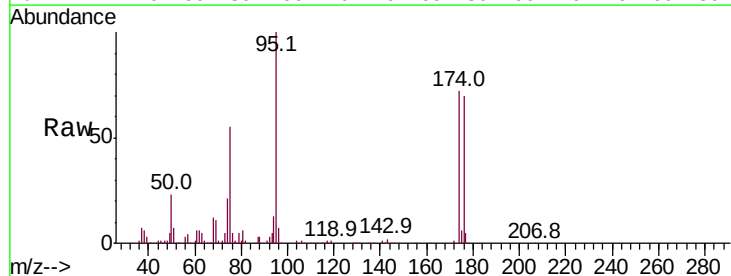
Tgt Ion: 95 Resp: 200806

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.6

176 71.7 0.0 145.4



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

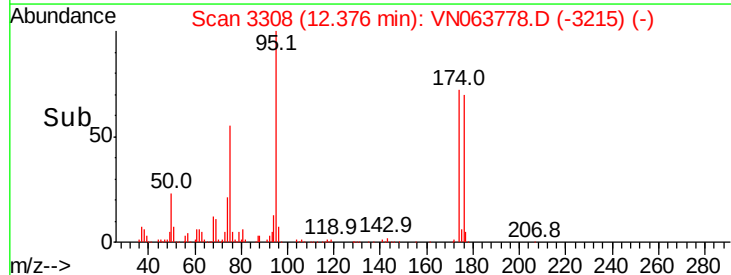
150000

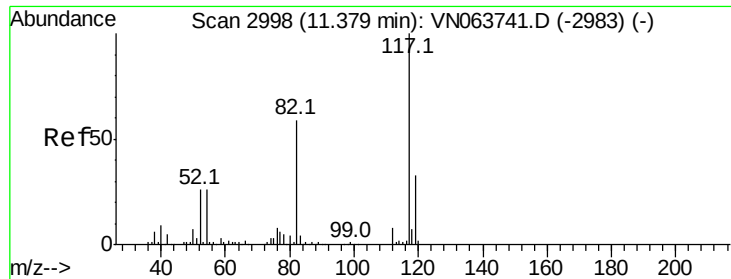
100000

50000

0

Time--> 12.30 12.35 12.40 12.45

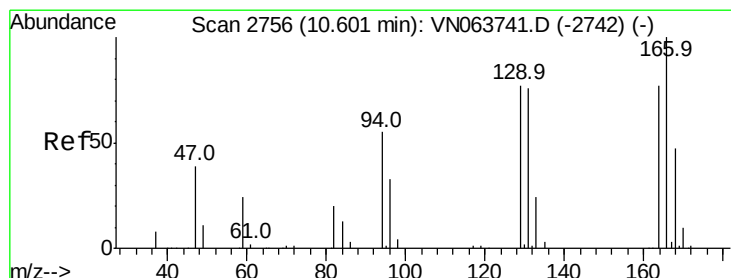
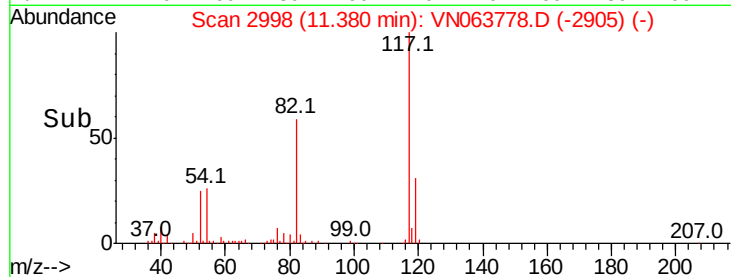
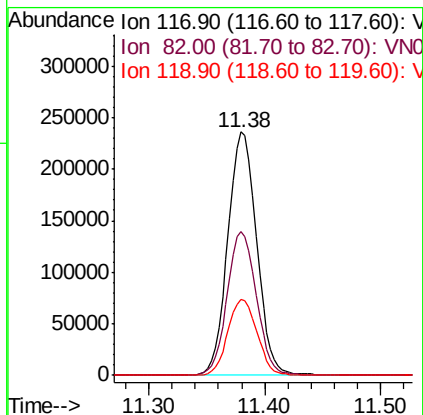
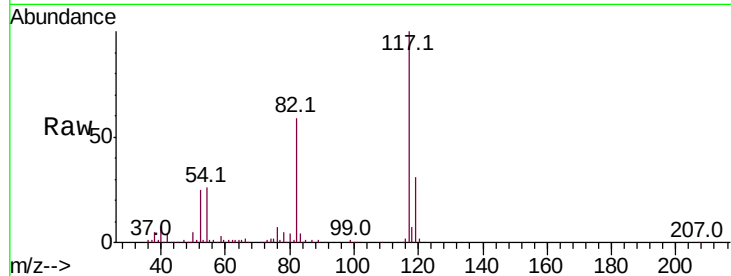




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063778.D
Acq: 1 Oct 2020 17:46

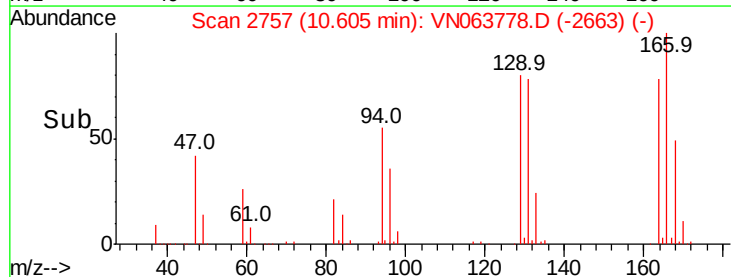
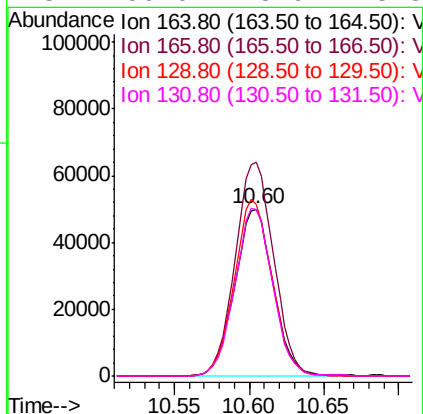
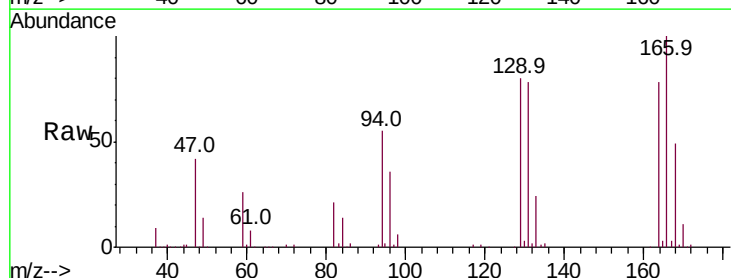
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-01

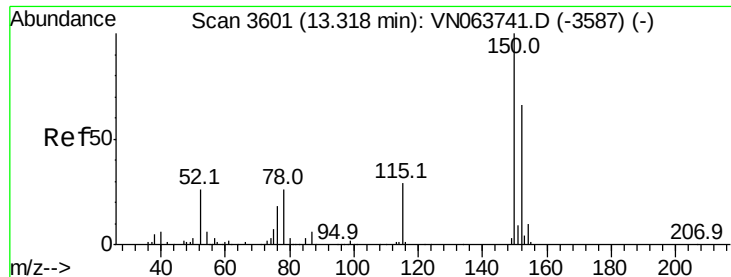
Tot Ion:117 Resp: 407203
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.0 26.4 39.6



#64
Tetrachloroethene
Concen: 28.399 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063778.D
Acq: 1 Oct 2020 17:46

Tgt Ion:164 Resp: 89469
Ion Ratio Lower Upper
164 100
166 128.1 103.9 155.9
129 102.7 80.3 120.5
131 100.0 78.9 118.3

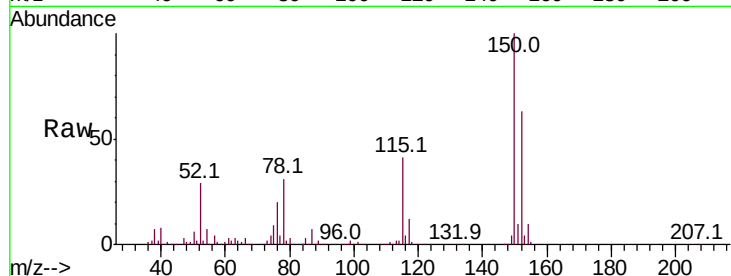




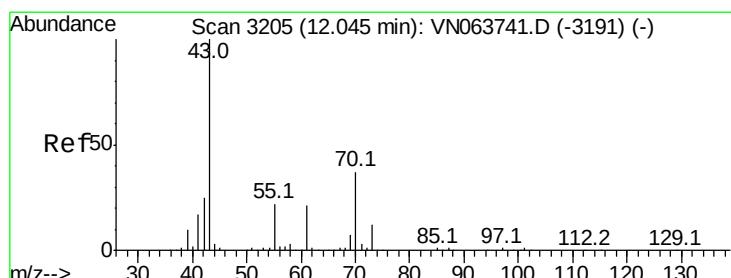
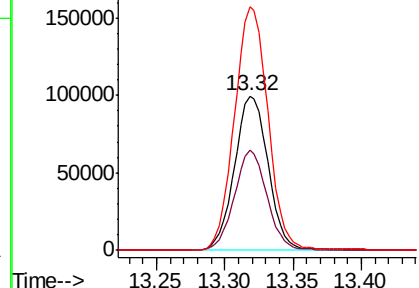
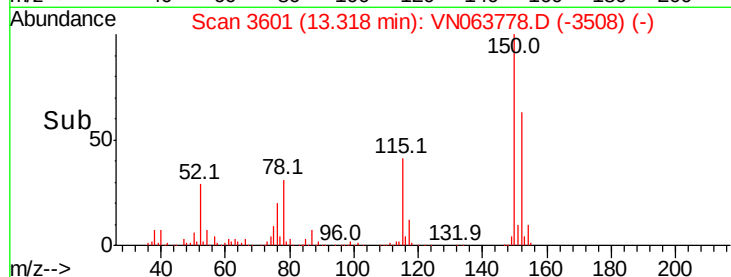
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-01

Tot Ion:152 Resp: 170332
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.3 93.8
 150 157.5 0.0 341.8

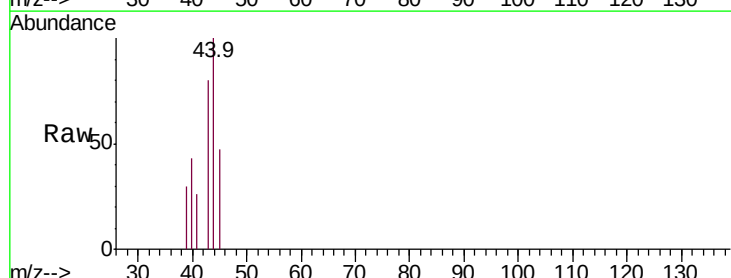


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

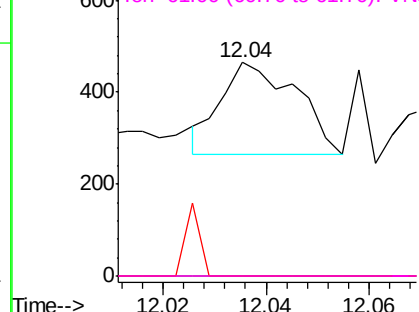
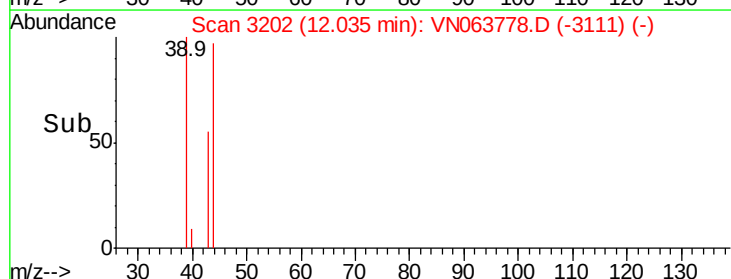


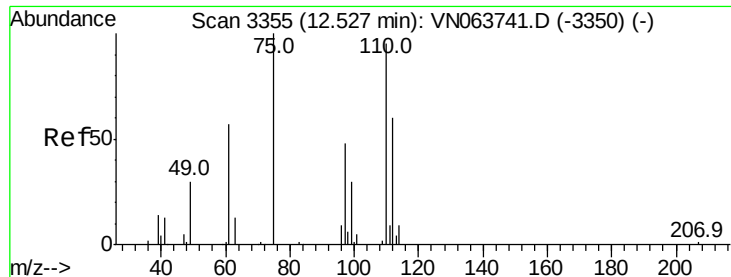
#74
 N-ethyl acetate
 Concen: 2.249 ug/l
 RT: 12.04 min Scan# 3202
 Delta R.T. -0.01 min
 Lab File: VN063778.D
 Acq: 1 Oct 2020 17:46

Tgt Ion: 43 Resp: 201
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.8#
 55 14.9 17.9 26.9#
 61 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): V
 Ion 70.00 (69.70 to 70.70): V
 Ion 55.00 (54.70 to 55.70): V
 Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.007 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

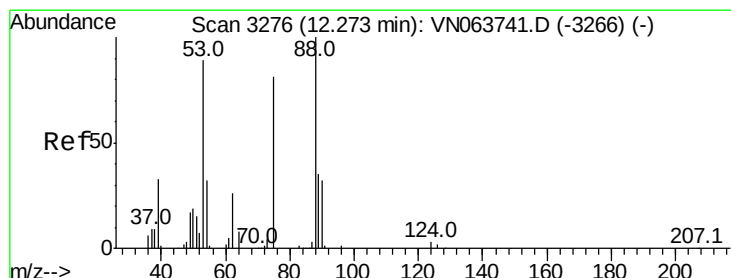
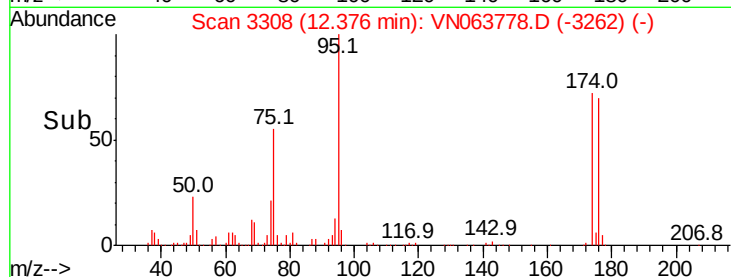
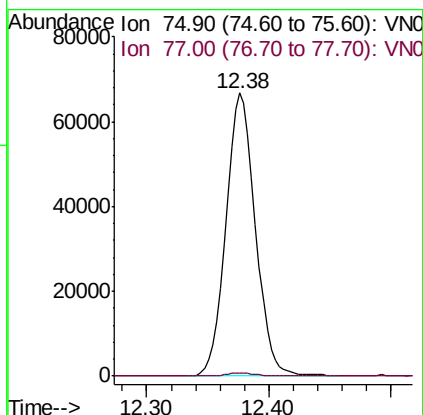
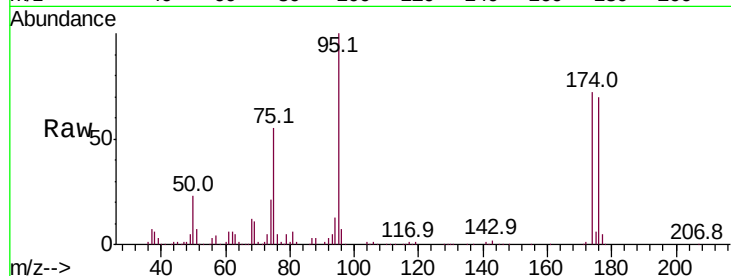
PB-2020-WW-000-01

Tot Ion: 75 Resp: 112671

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.426 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063778.D

Acq: 1 Oct 2020 17:46

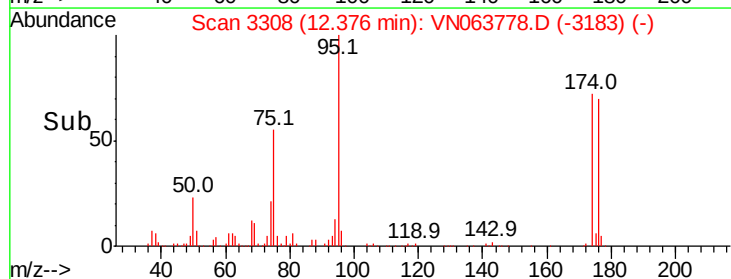
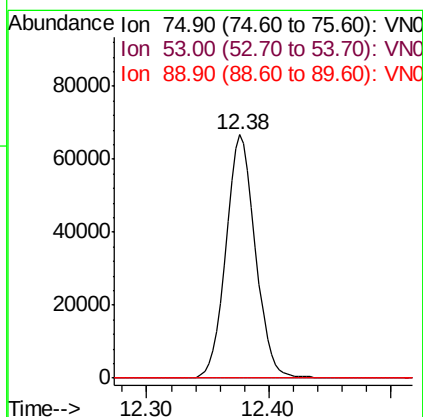
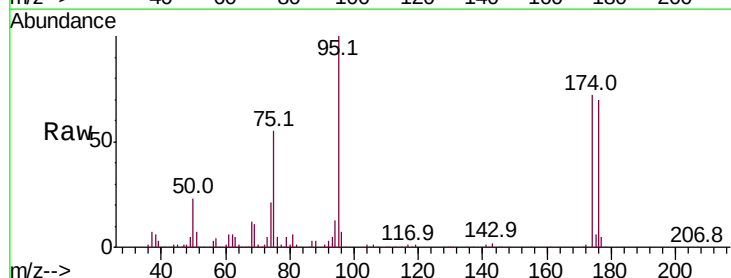
Tgt Ion: 75 Resp: 112671

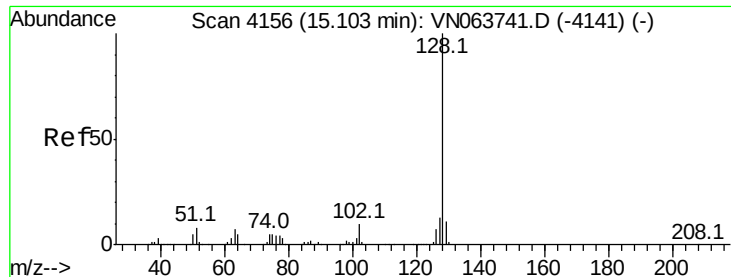
Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 1.928 ug/l

RT: 15.12 min Scan# 4161

Delta R.T. 0.02 min

Lab File: VN063778.D

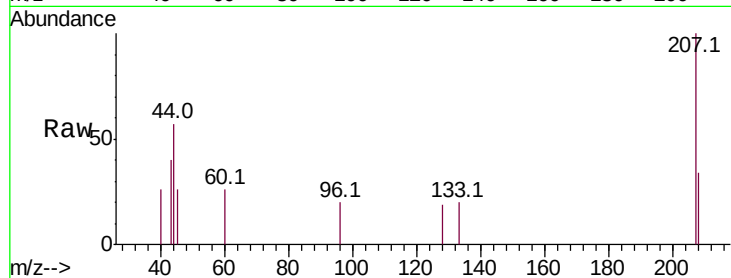
Acq: 1 Oct 2020 17:46

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-01



Tot Ion:	128	Resp:	32
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

