

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063110.D
 Acq On : 25 Aug 2020 13:16
 Operator : JC/MD
 Sample : L3783-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500

Quant Time: Aug 26 05:38:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

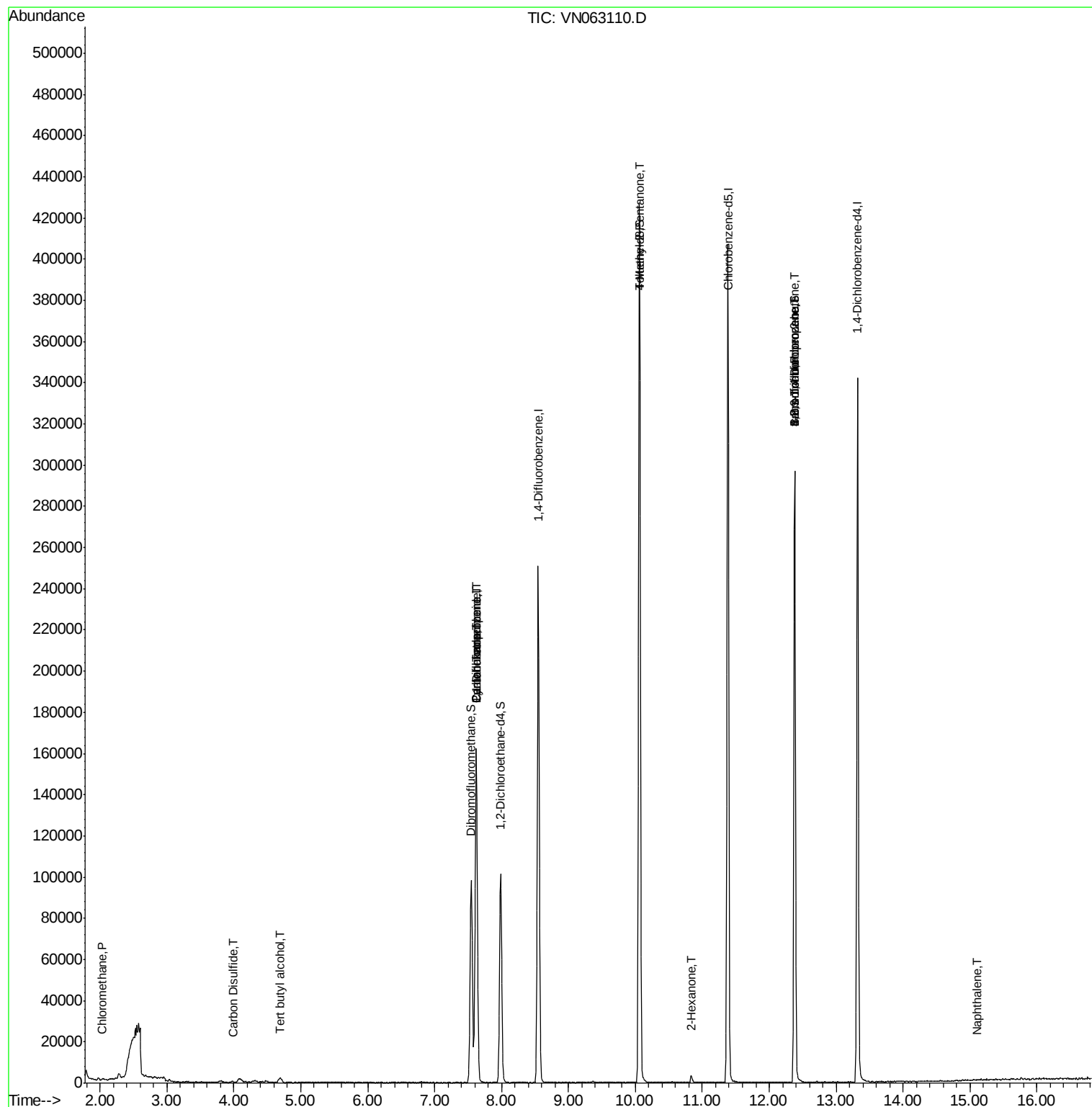
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	140927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	231504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95998	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	85843	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	7.55	113	76527	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.06	98	303736	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.38	95	103181	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	813	0.421	ug/l	98
11) Tert butyl alcohol	4.69	59	2492	10.533	ug/l #	74
16) Acetone	3.80	43	1798	Below Cal	#	87
17) Carbon Disulfide	3.98	76	740	0.236	ug/l #	76
20) Methylene Chloride	4.49	84	386	Below Cal	#	69
31) Cyclohexane	7.63	56	2281	0.927	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9788	4.798	ug/l #	46
38) Carbon Tetrachloride	7.62	117	12455	6.047	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1528	0.763	ug/l #	1
59) 2-Hexanone	10.83	43	821	0.588	ug/l #	23
71) Bromoform	12.38	173	948	0.621	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50381	27.000	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50381	74.153	ug/l #	15
95) Naphthalene	15.11	128	61	5.656	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

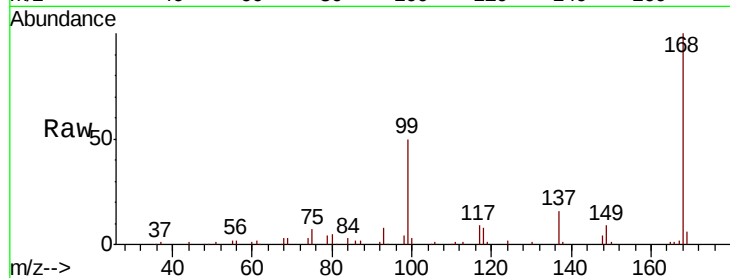
BP-VPB181-GW-498-500

Tot Ion:168 Resp: 140927

Ion Ratio Lower Upper

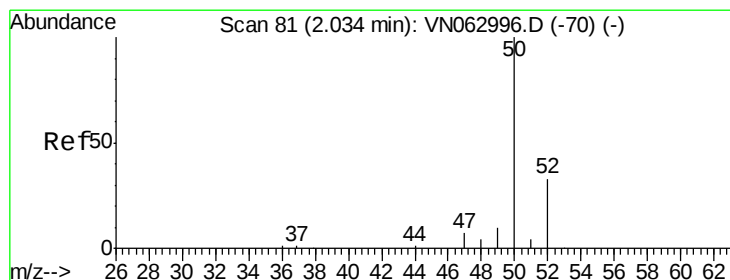
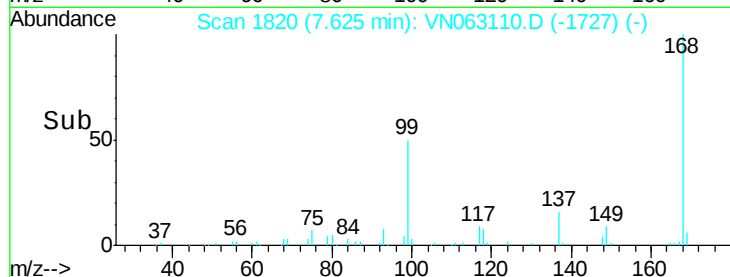
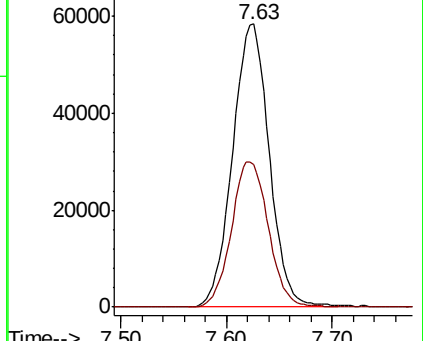
168 100

99 50.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.421 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063110.D

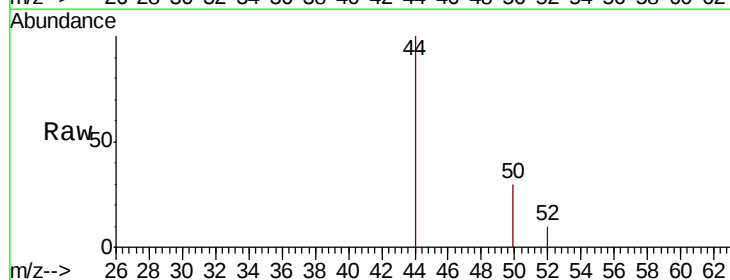
Acq: 25 Aug 2020 13:16

Tgt Ion: 50 Resp: 813

Ion Ratio Lower Upper

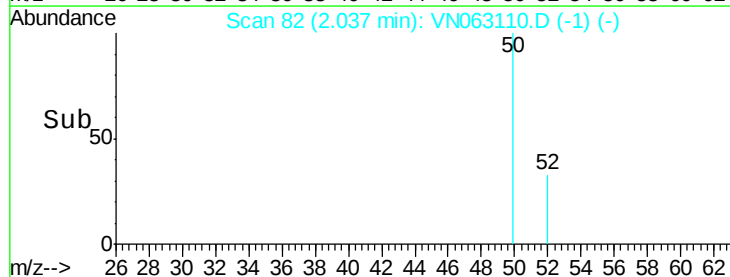
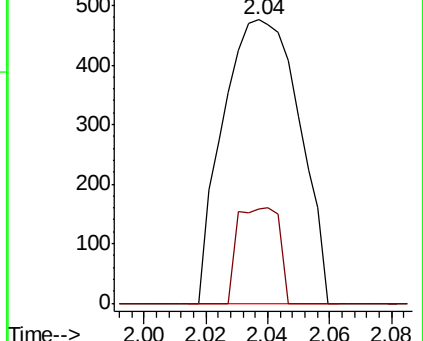
50 100

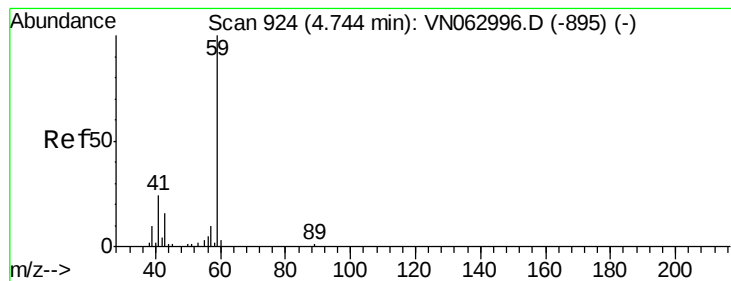
52 33.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



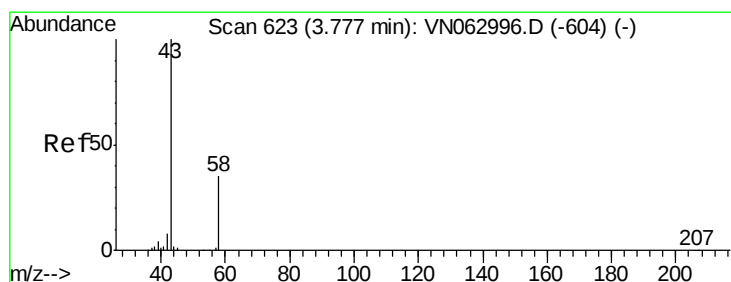
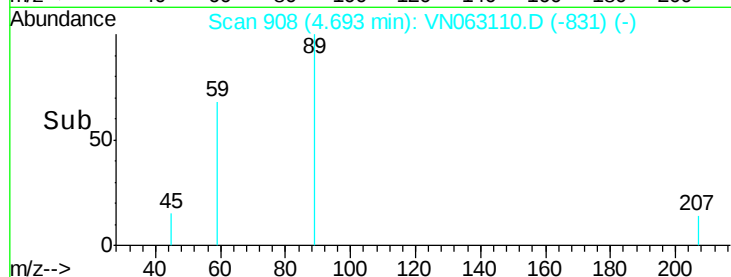
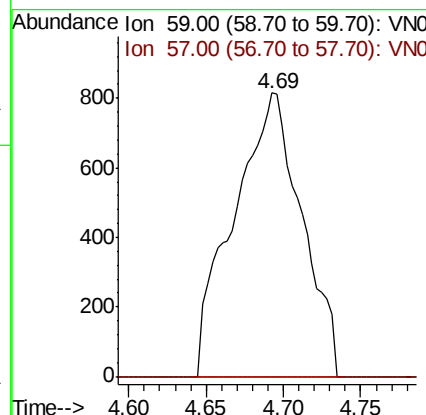
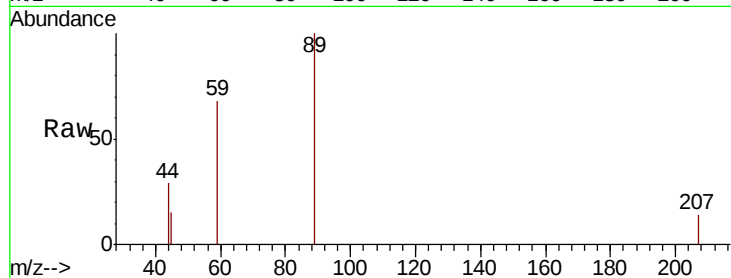


#11

Tert butyl alcohol
 Concen: 10.533 ug/l
 RT: 4.69 min Scan# 908
 Delta R.T. -0.05 min
 Lab File: VN063110.D
 Acq: 25 Aug 2020 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-498-500

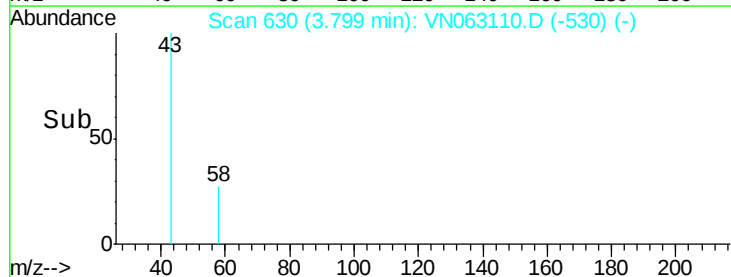
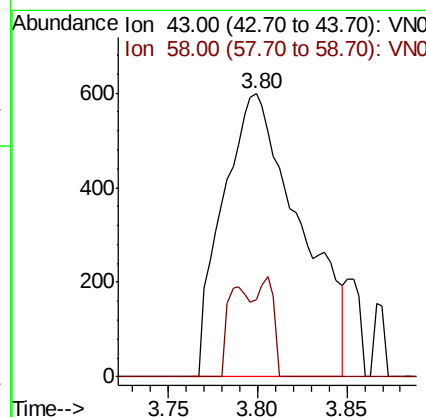
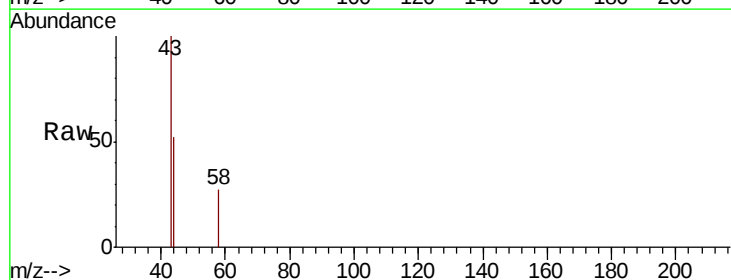
Tot Ion: 59 Resp: 2492
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

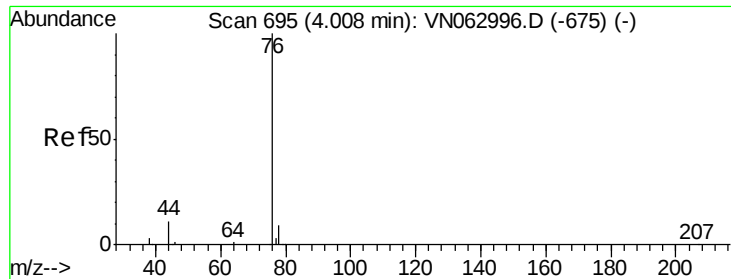


#16

Acetone
 Concen: Below Cal
 RT: 3.80 min Scan# 630
 Delta R.T. 0.02 min
 Lab File: VN063110.D
 Acq: 25 Aug 2020 13:16

Tgt Ion: 43 Resp: 1798
 Ion Ratio Lower Upper
 43 100
 58 27.4 27.8 41.6#





#17

Carbon Disulfide

Concen: 0.236 ug/l

RT: 3.98 min Scan# 687

Delta R.T. -0.03 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

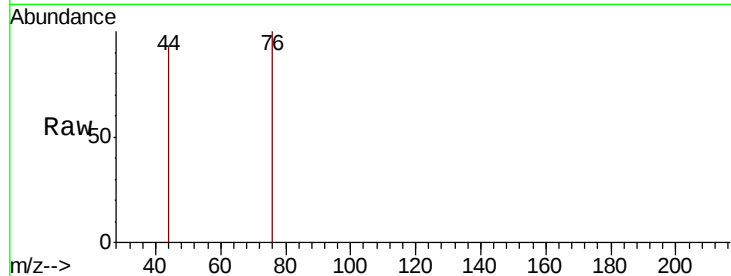
BP-VPB181-GW-498-500

Tot Ion: 76 Resp: 740

Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

3.98

400

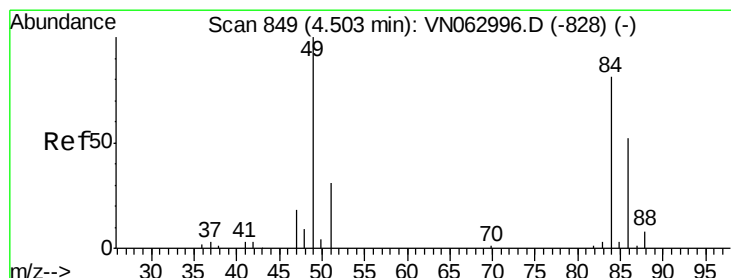
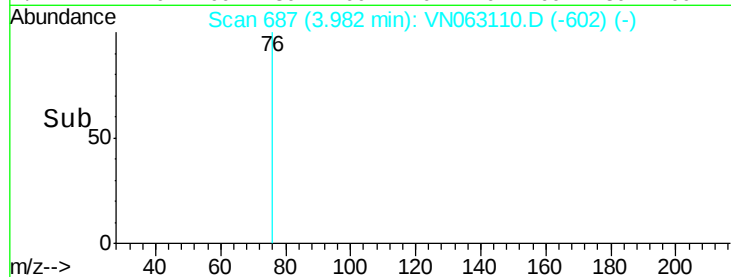
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 844

Delta R.T. -0.02 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

Tgt Ion: 84 Resp: 386

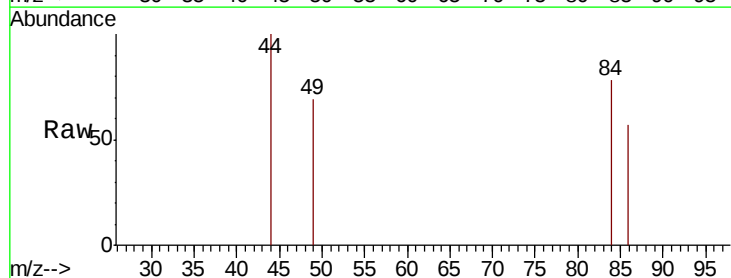
Ion Ratio Lower Upper

84 100

49 89.2 98.7 148.1#

51 0.0 30.8 46.2#

86 73.1 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

4.49

400

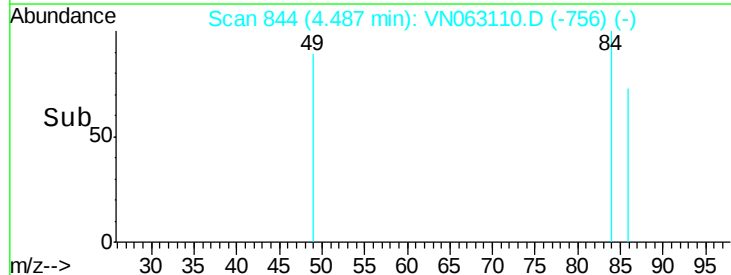
300

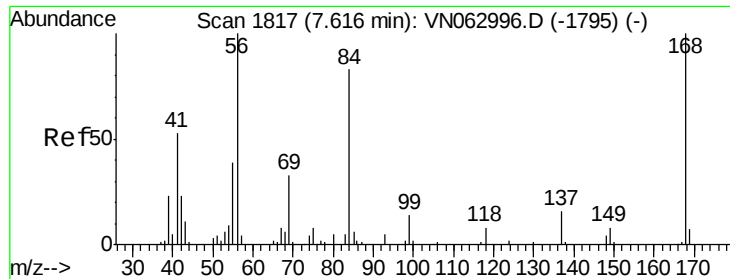
200

100

0

Time-->

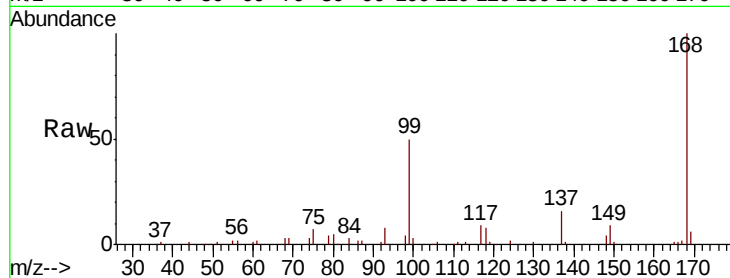




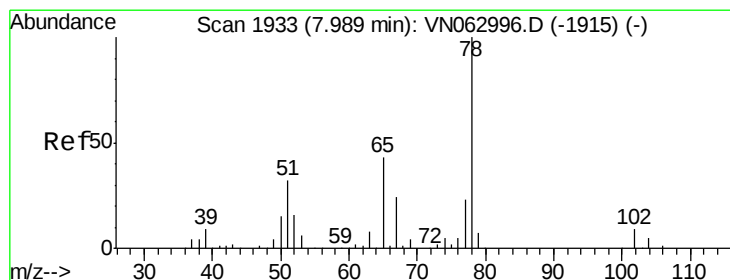
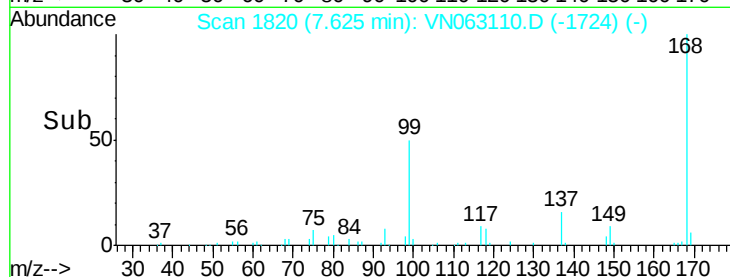
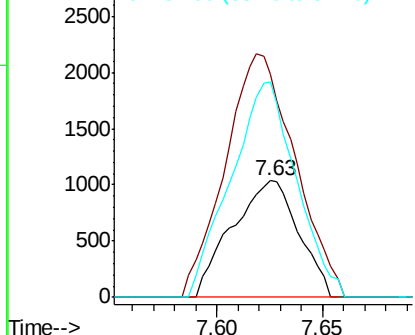
#31
Cyclohexane
Concen: 0.927 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500

Tot Ion: 56 Resp: 2281
Ion Ratio Lower Upper
56 100
69 175.5 26.6 40.0#
84 184.4 66.4 99.6#

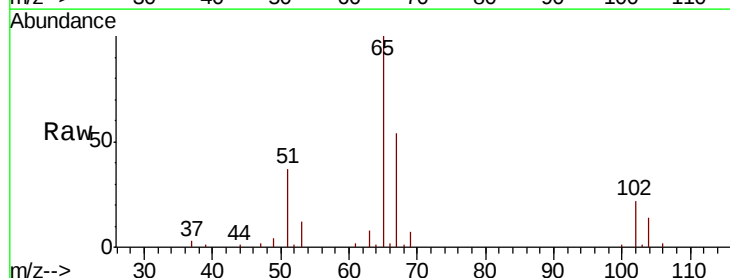


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

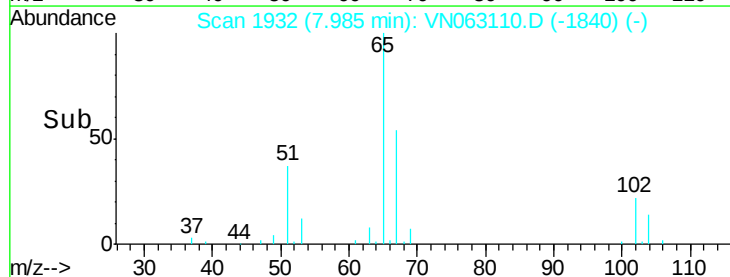
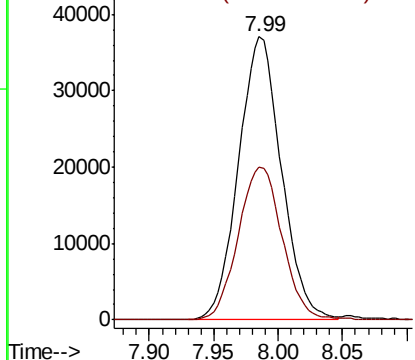


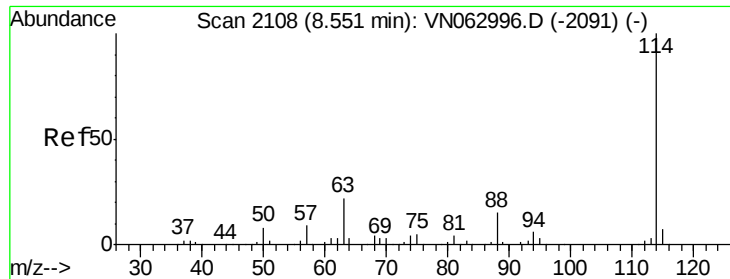
#33
1,2-Dichloroethane-d4
Concen: 51.395 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Tgt Ion: 65 Resp: 85843
Ion Ratio Lower Upper
65 100
67 55.4 0.0 112.0



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

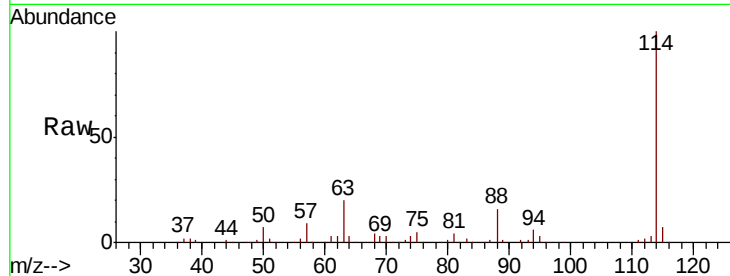




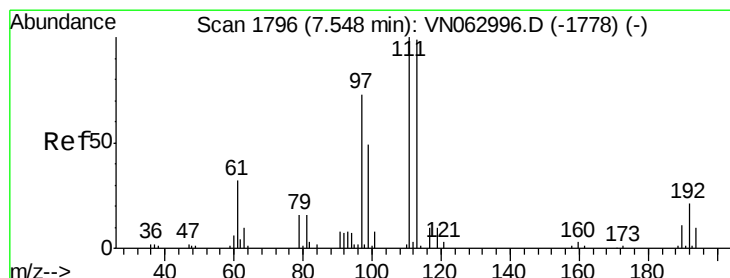
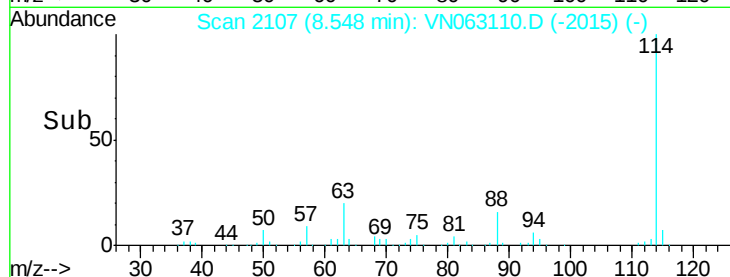
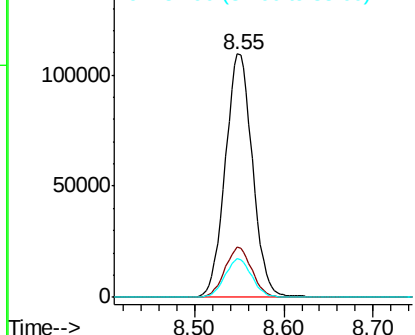
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.2
88	15.7	0.0	30.6

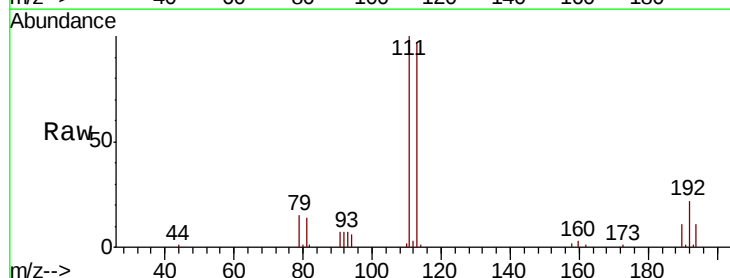


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

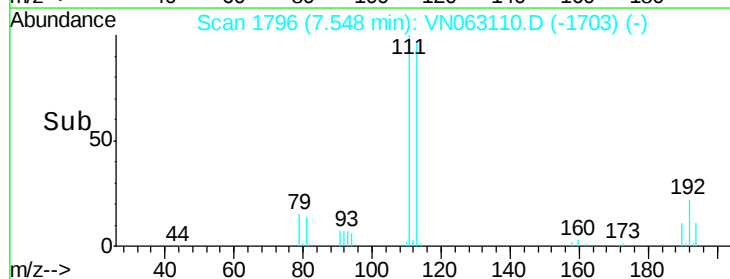
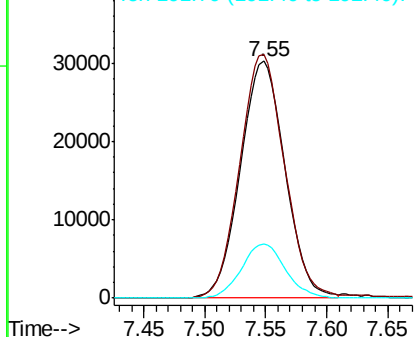


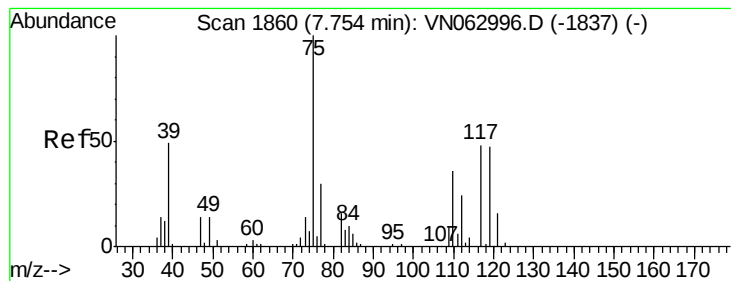
#35
Dibromofluoromethane
Concen: 50.731 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	22.5	17.5	26.3



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: 4.798 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500

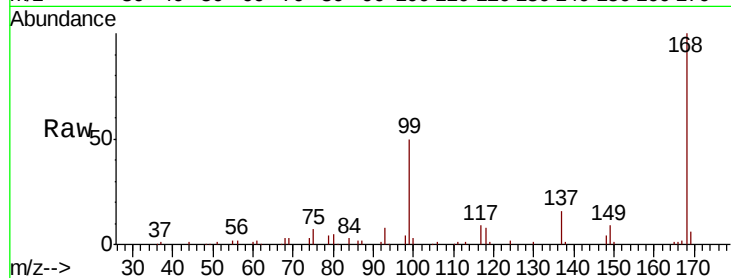
Tot Ion: 75 Resp: 9788

Ion Ratio Lower Upper

75 100

110 4.9 17.5 52.6#

77 0.0 24.2 36.4#

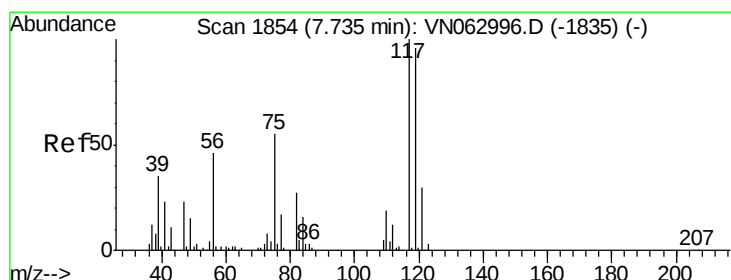
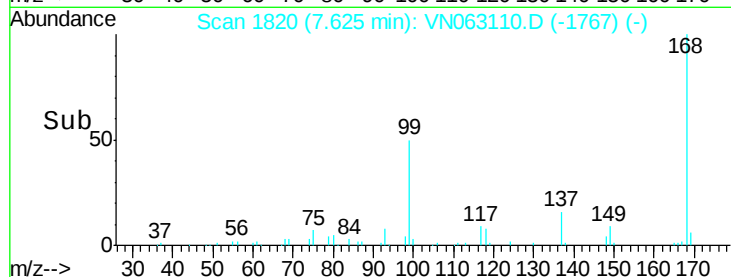


Abundance Ion 74.90 (74.60 to 75.60): VN063110.D (-1767) (-)

Ion 109.90 (109.60 to 110.60): VN063110.D (-1767) (-)

Ion 76.90 (76.60 to 77.60): VN063110.D (-1767) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.047 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

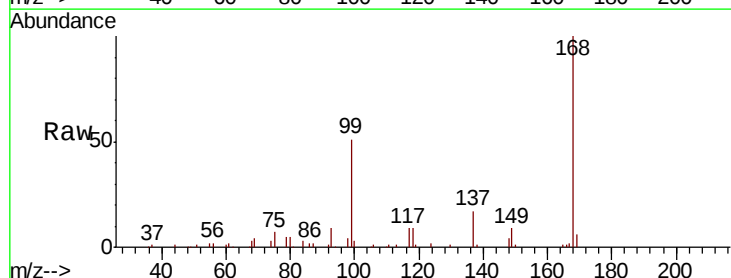
Tgt Ion: 117 Resp: 12455

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.4#

121 0.0 24.2 36.2#

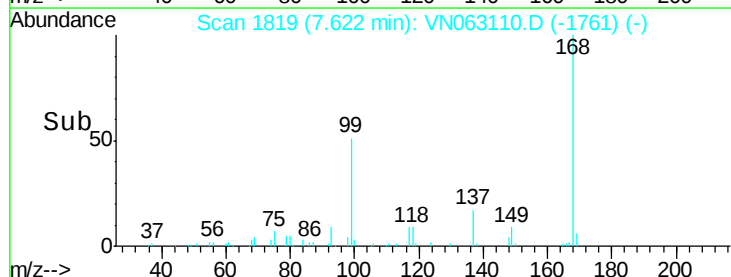


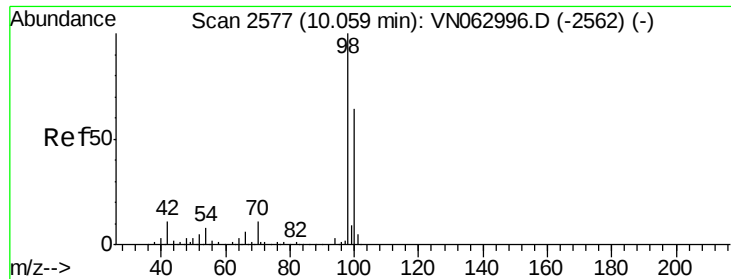
Abundance Ion 116.80 (116.50 to 117.50): VN063110.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN063110.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN063110.D (-1761) (-)

Time-->

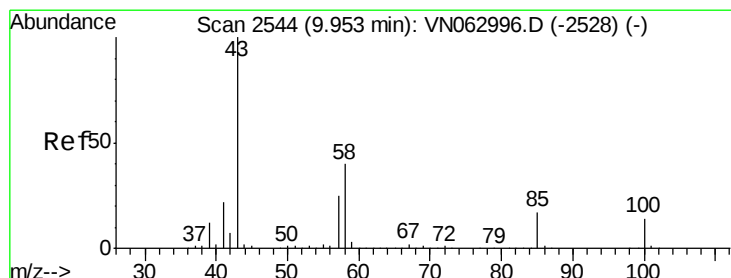
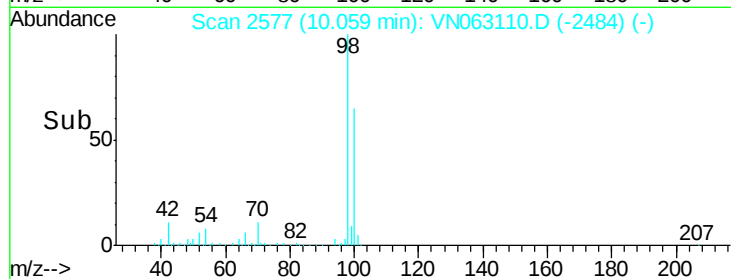
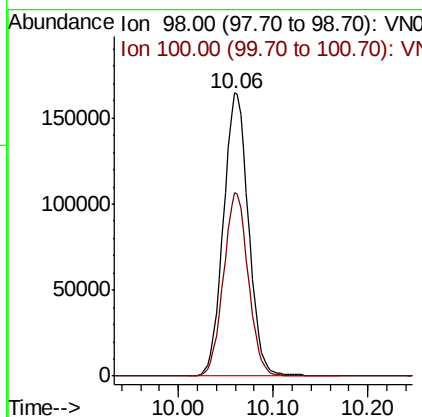
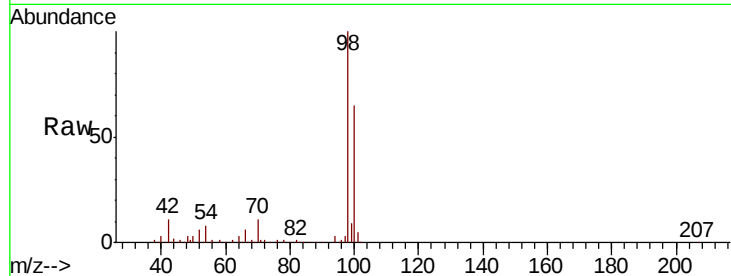




#50
Toluene-d8
Concen: 52.421 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

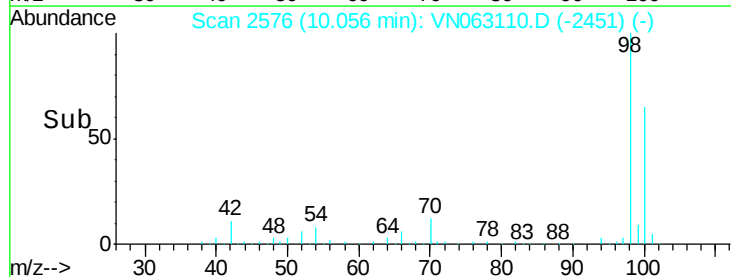
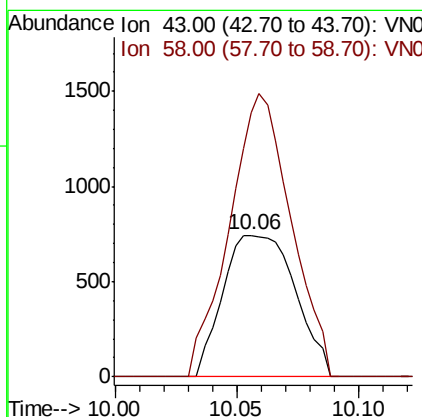
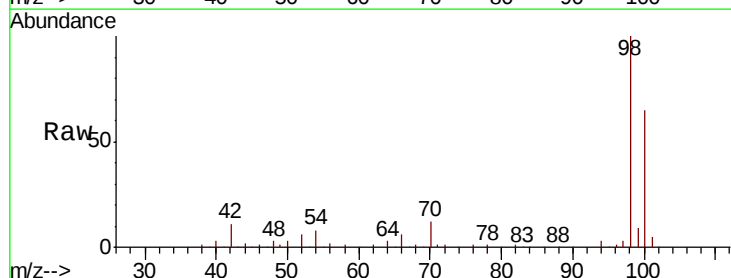
Instrument :
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BP-VPB181-GW-498-500

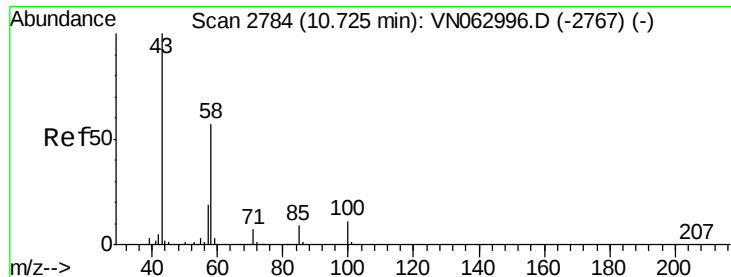
Tot Ion: 98 Resp: 303736
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.763 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. 0.10 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
58 170.3 32.2 48.2#

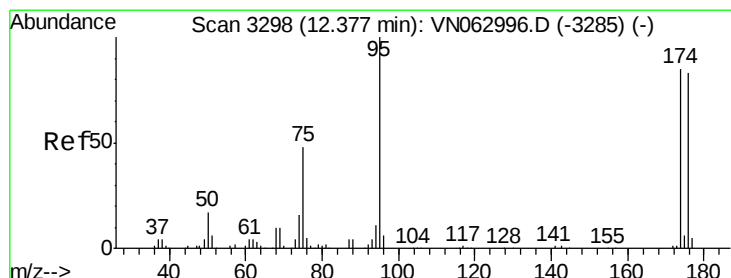
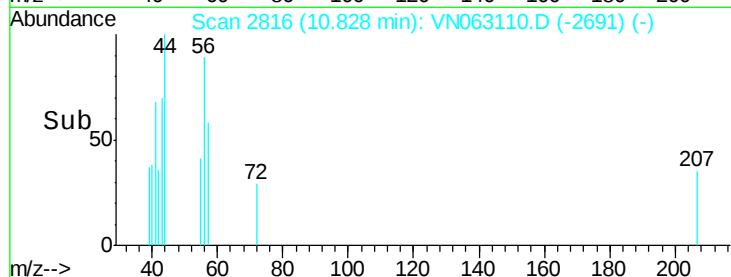
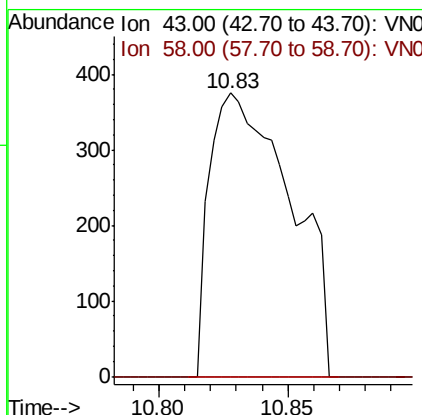
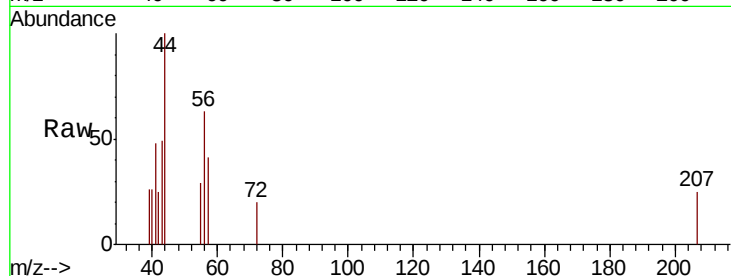




#59
2-Hexanone
Concen: 0.588 ug/l
RT: 10.83 min Scan# 2816
Delta R.T. 0.10 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

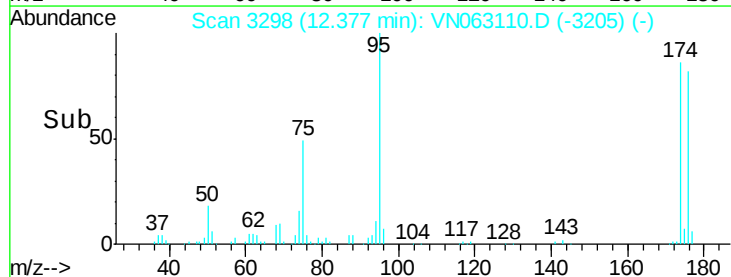
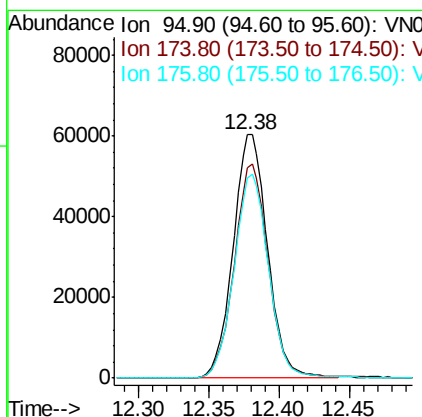
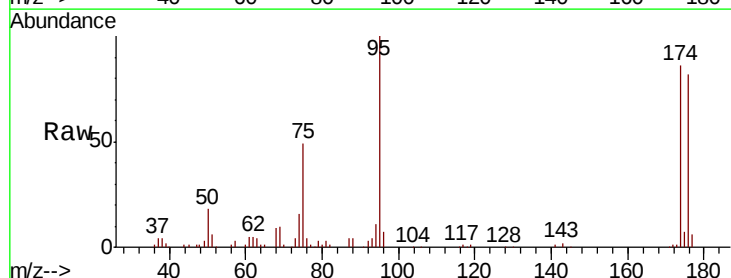
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500

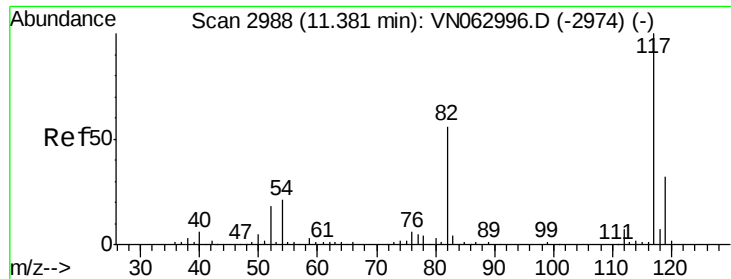
Tot Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.464 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Tgt Ion: 95 Resp: 103181
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.8
176 84.2 0.0 164.8

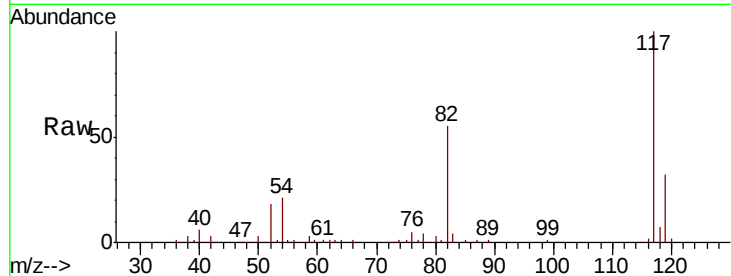




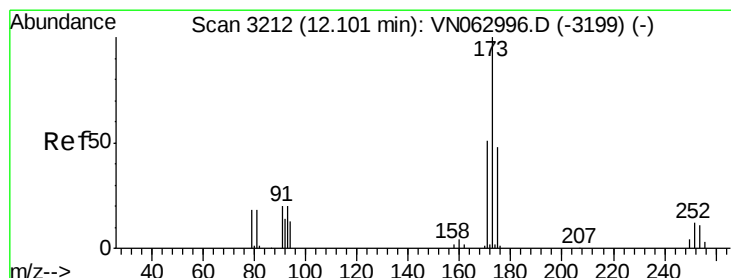
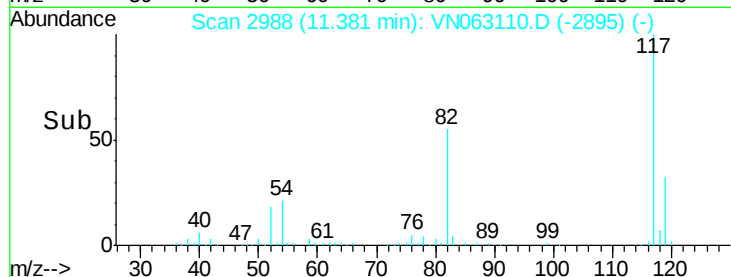
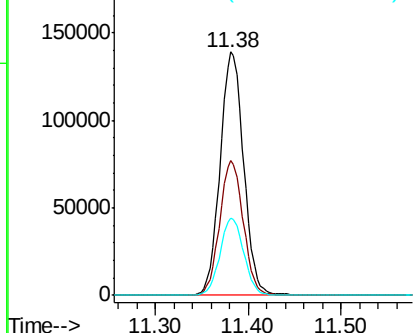
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-498-500

Tot Ion:117 Resp: 245516
Ion Ratio Lower Upper
117 100
82 55.1 44.5 66.7
119 31.8 25.5 38.3

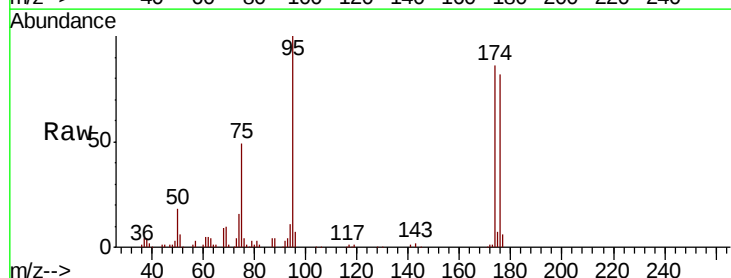


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

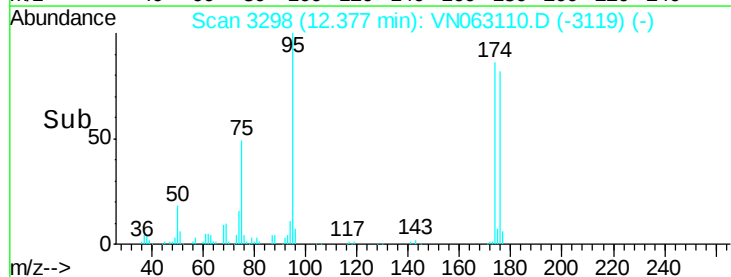
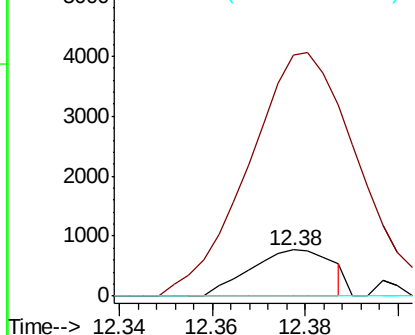


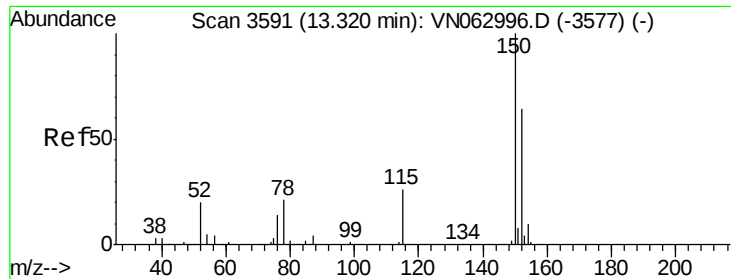
#71
Bromoform
Concen: 0.621 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063110.D
Acq: 25 Aug 2020 13:16

Tgt Ion:173 Resp: 948
Ion Ratio Lower Upper
173 100
175 556.2 24.3 72.8#
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# 3591

Delta R.T. -0.00 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500

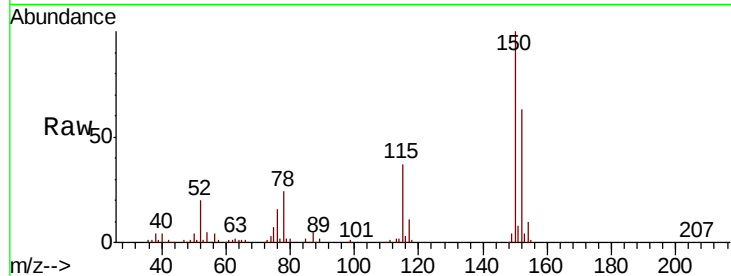
Tot Ion:152 Resp: 95998

Ion Ratio Lower Upper

152 100

115 58.4 28.7 86.3

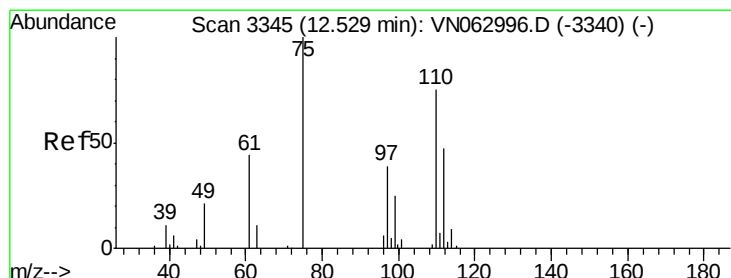
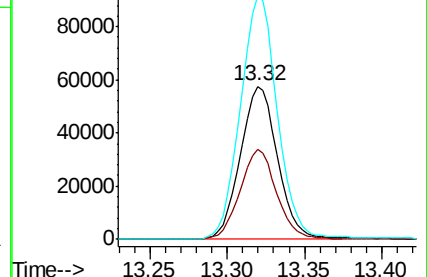
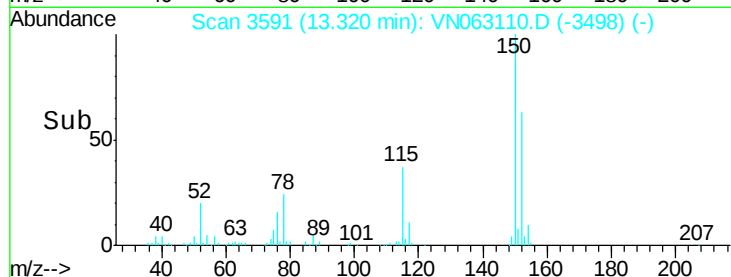
150 158.6 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 27.000 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063110.D

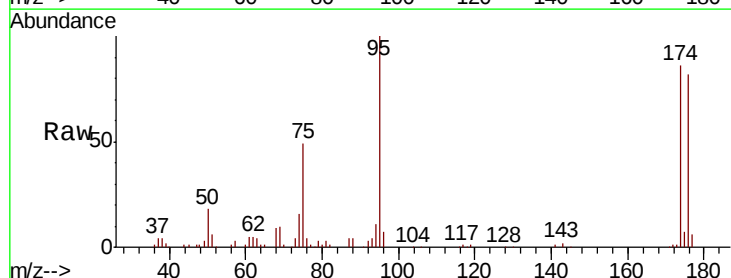
Acq: 25 Aug 2020 13:16

Tgt Ion: 75 Resp: 50381

Ion Ratio Lower Upper

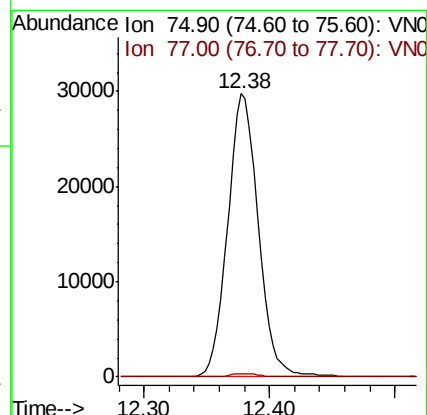
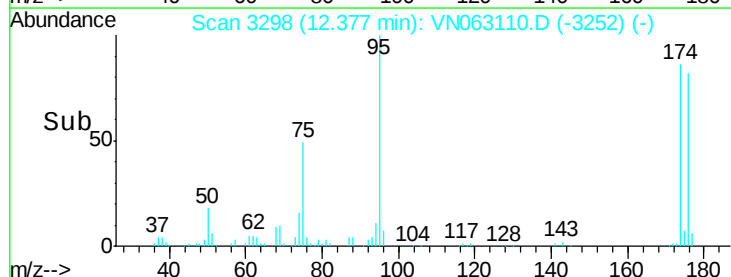
75 100

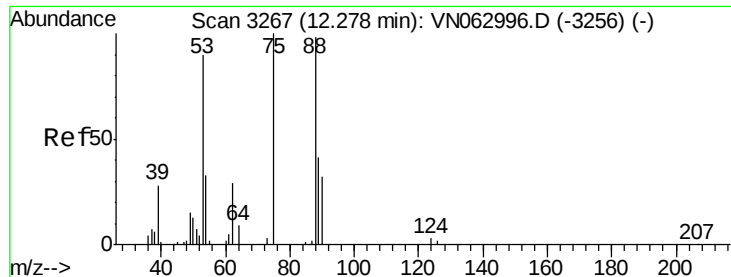
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.153 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-498-500

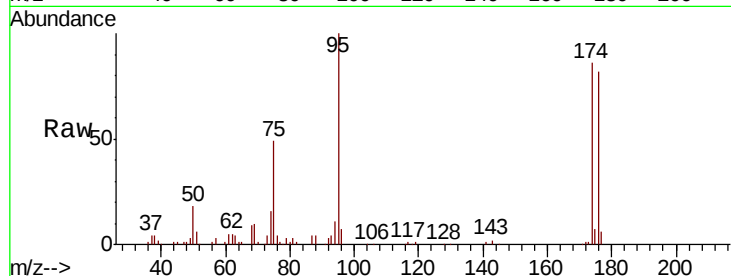
Tot Ion: 75 Resp: 50381

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

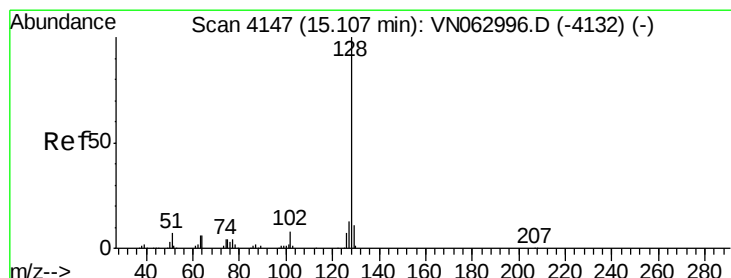
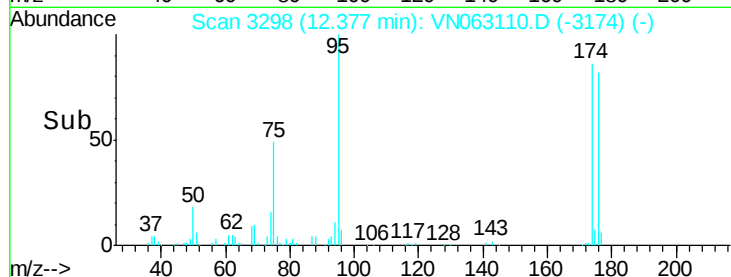
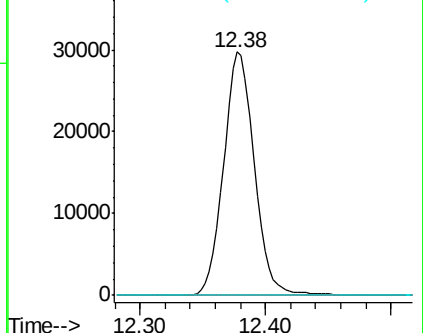
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN063110.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN063110.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN063110.D (-3174) (-)



#95

Naphthalene

Concen: 5.656 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.00 min

Lab File: VN063110.D

Acq: 25 Aug 2020 13:16

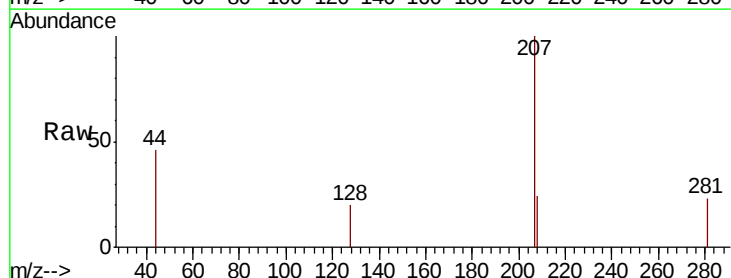
Tgt Ion: 128 Resp: 61

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): VN063110.D (-4054) (-)

Ion 127.00 (126.70 to 127.70): VN063110.D (-4054) (-)

Ion 129.00 (128.70 to 129.70): VN063110.D (-4054) (-)

