

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060810.D
 Acq On : 1 Apr 2020 15:03
 Operator : JC/MD
 Sample : L2106-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z4-EB-200331

Quant Time: Apr 02 09:03:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	123860	47.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.26%	
35) Dibromofluoromethane	7.56	113	94348	48.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.98%	
50) Toluene-d8	10.08	98	387619	49.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	142489	49.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.86%	

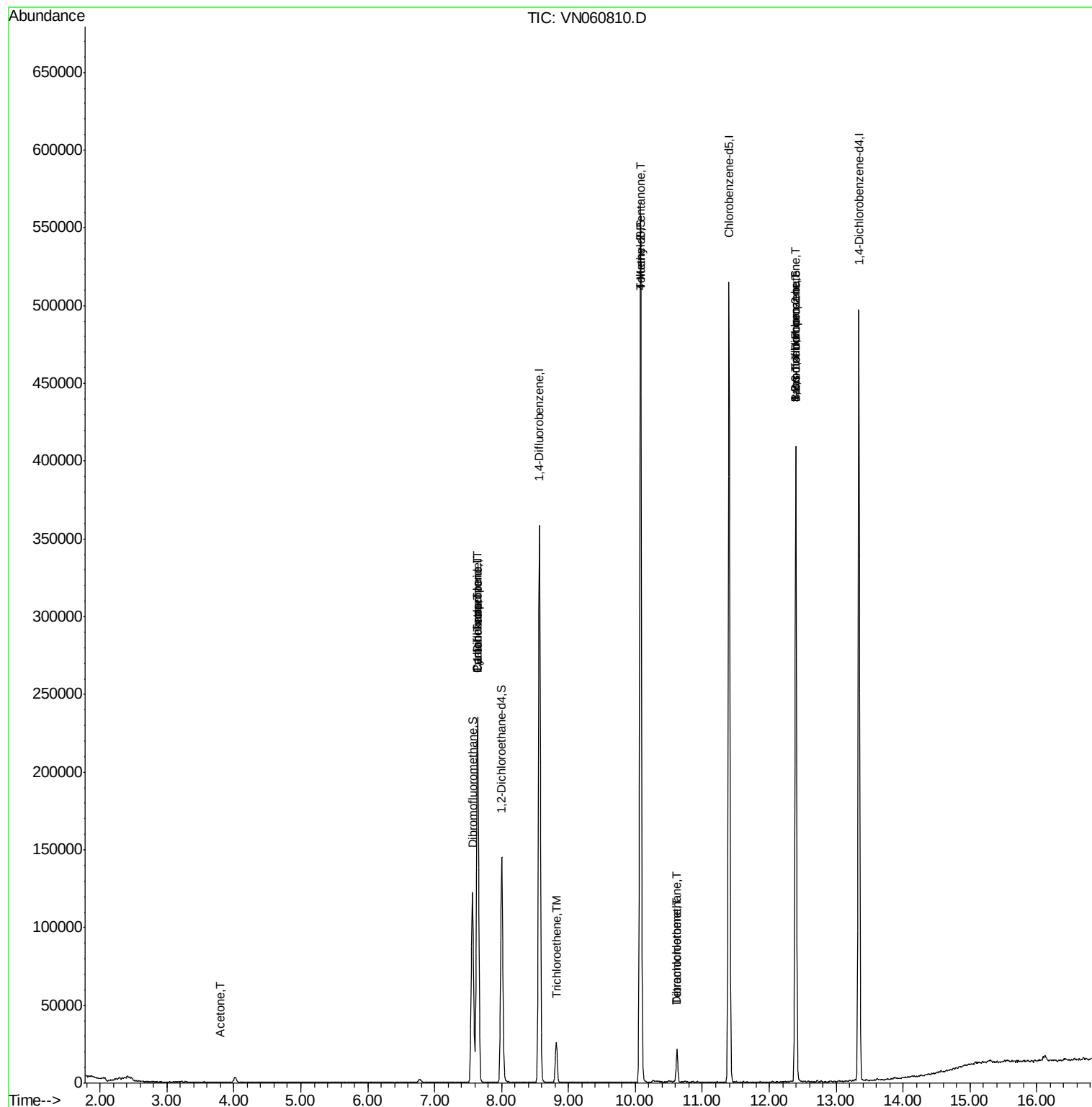
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	223	0.240	ug/l #	43
31) Cyclohexane	7.64	56	3966	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14816	4.804	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18571	6.719	ug/l #	16
44) Trichloroethene	8.82	130	10038	4.277	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	1818	0.581	ug/l #	1
60) Dibromochloromethane	10.62	129	4605	2.061	ug/l #	11
64) Tetrachloroethene	10.62	164	4919	2.137	ug/l	98
71) Bromoform	12.40	173	498	1.956	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72794	26.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72794	67.355	ug/l #	13

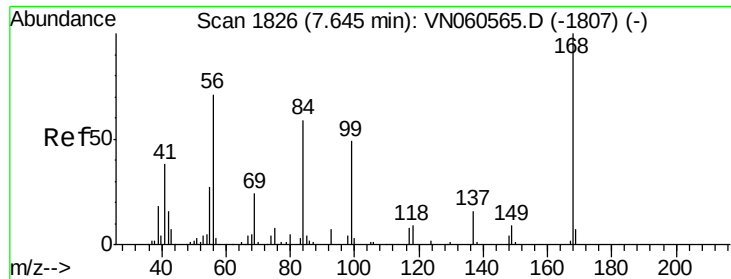
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040120\
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Acq On : 1 Apr 2020 15:03
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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Z4-EB-200331

Quant Time: Apr 02 09:03:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

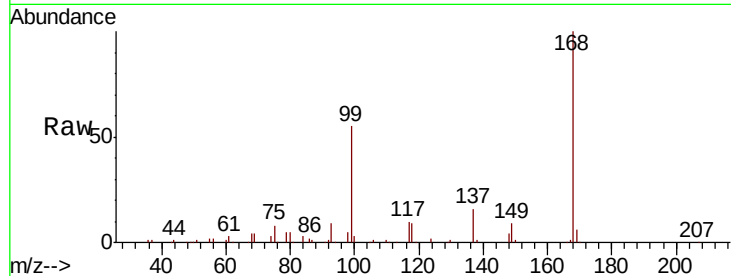
Z4-EB-200331

Tot Ion:168 Resp: 191456

Ion Ratio Lower Upper

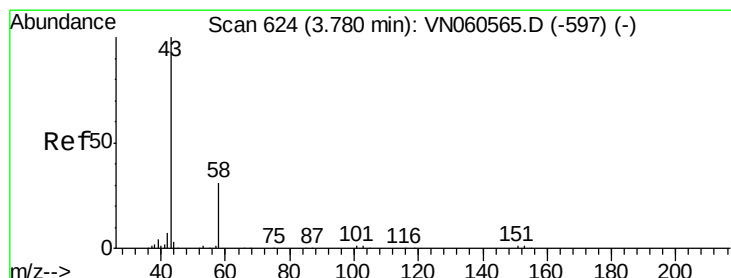
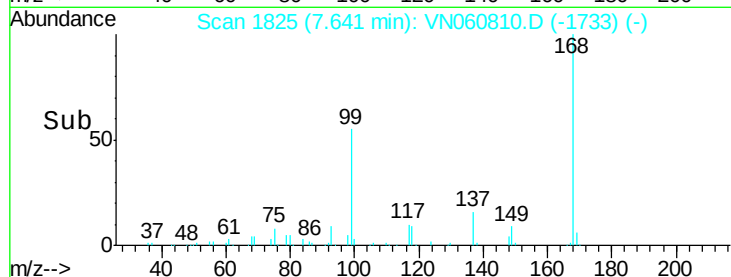
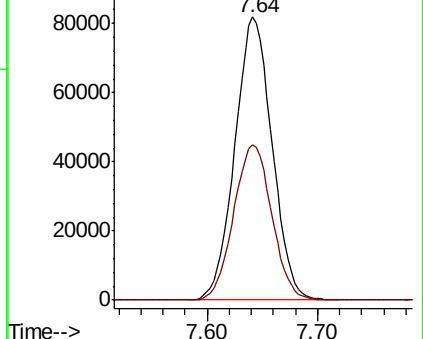
168 100

99 55.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060810.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060810.D (-1733) (-)



#16

Acetone

Concen: 0.240 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060810.D

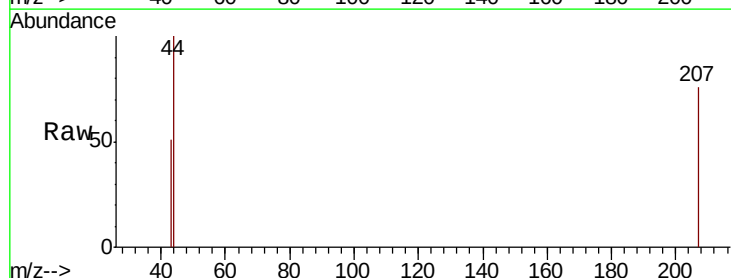
Acq: 1 Apr 2020 15:03

Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

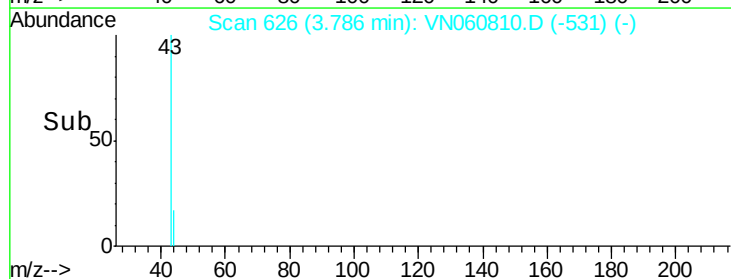
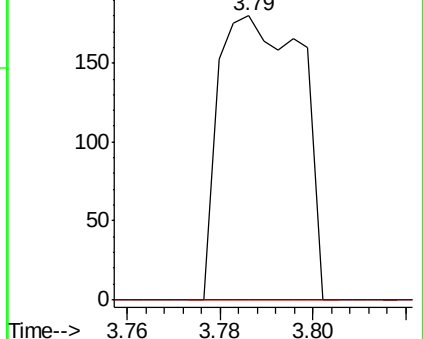
43 100

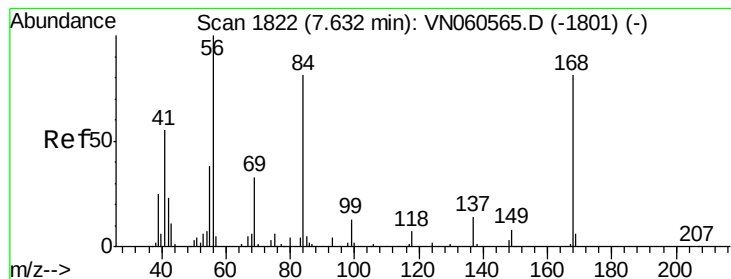
58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN060810.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060810.D (-531) (-)





#31

Cyclohexane

Concen: 0.937 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

Z4-EB-200331

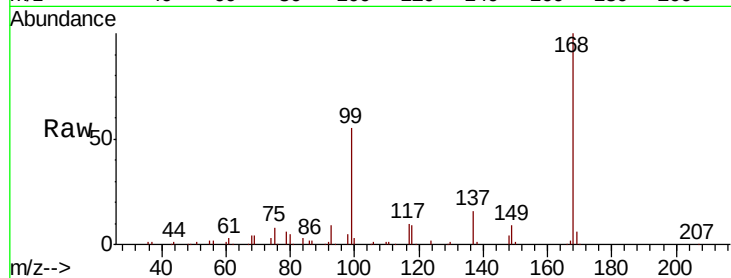
Tot Ion: 56 Resp: 3966

Ion Ratio Lower Upper

56 100

69 183.5 26.6 40.0#

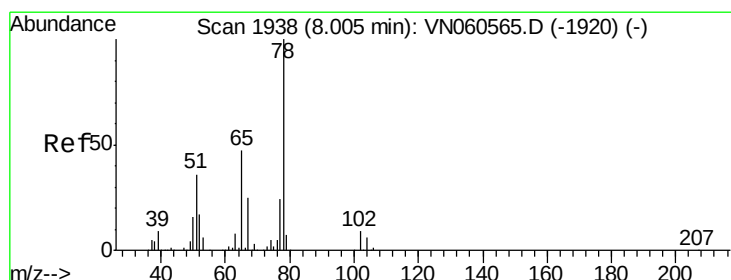
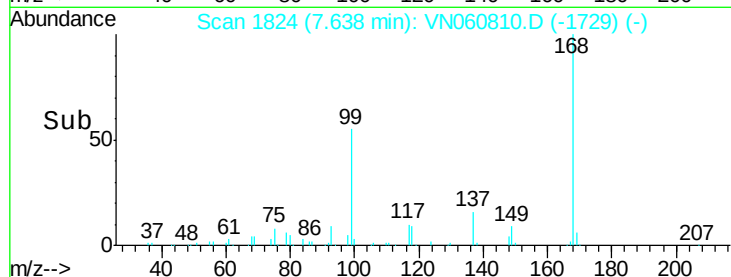
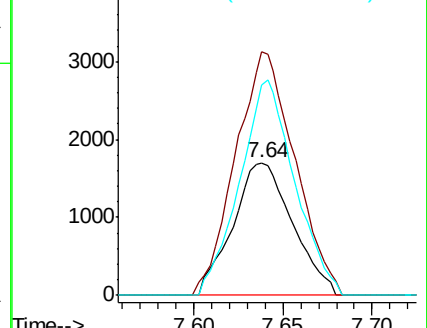
84 158.1 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060810.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060810.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060810.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.126 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060810.D

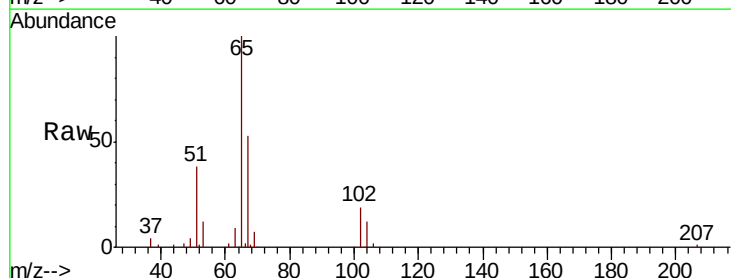
Acq: 1 Apr 2020 15:03

Tgt Ion: 65 Resp: 123860

Ion Ratio Lower Upper

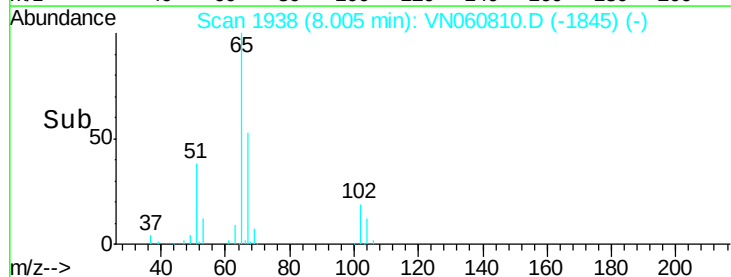
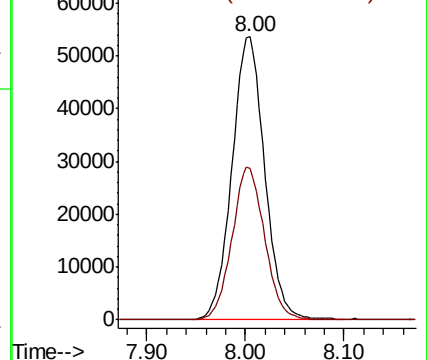
65 100

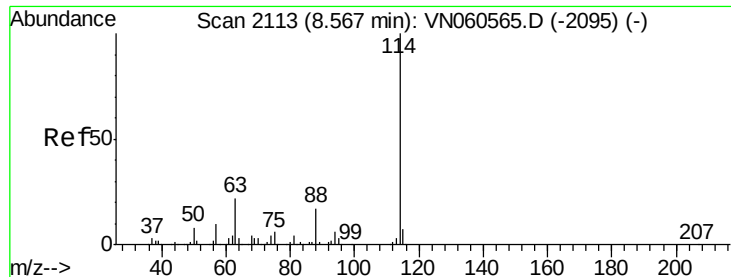
67 53.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060810.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060810.D (-1845) (-)

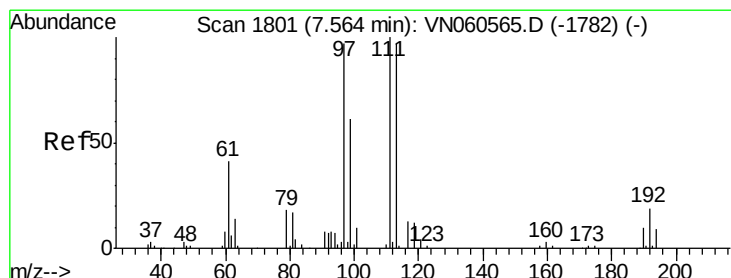
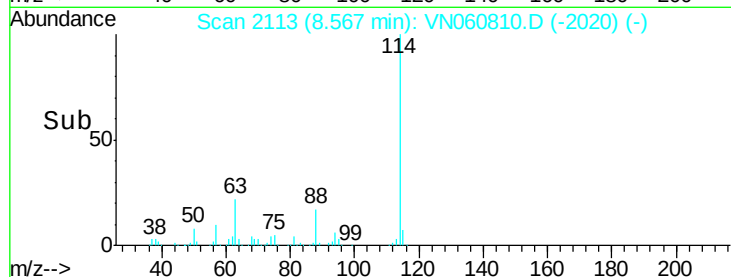
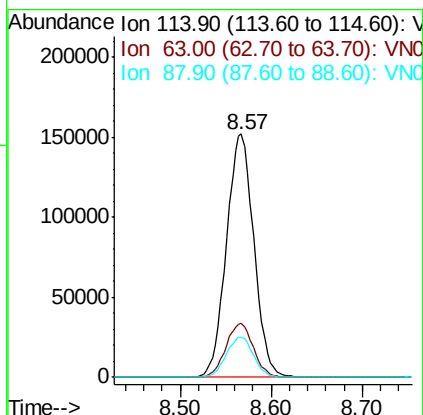
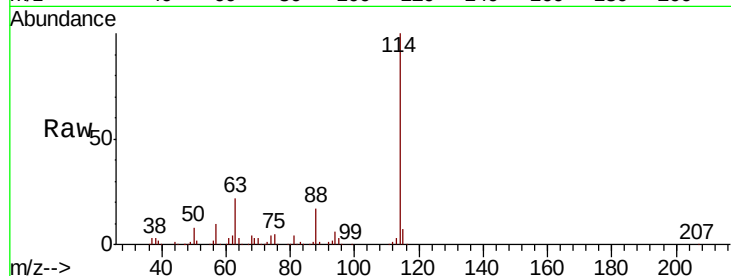




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060810.D
 Acq: 1 Apr 2020 15:03

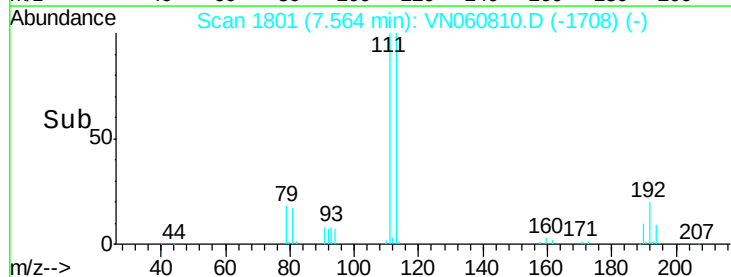
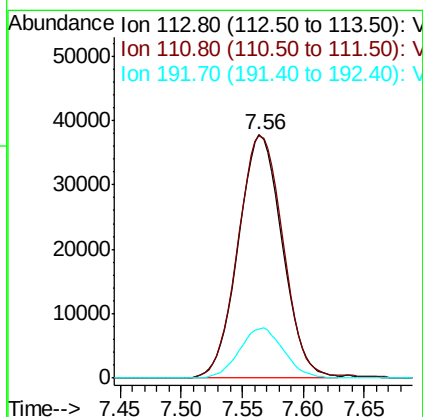
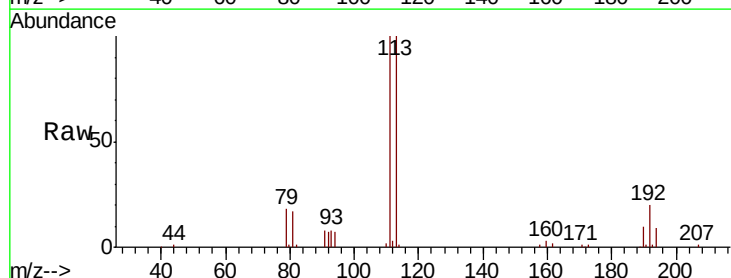
Instrument :
 MSVOA_N
 ClientSampleId :
 Z4-EB-200331

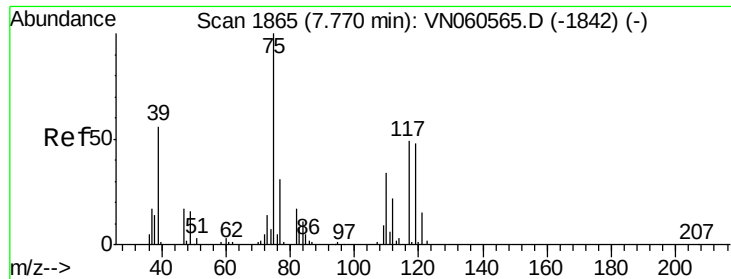
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.6	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 48.991 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060810.D
 Acq: 1 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	20.6	15.8	23.8

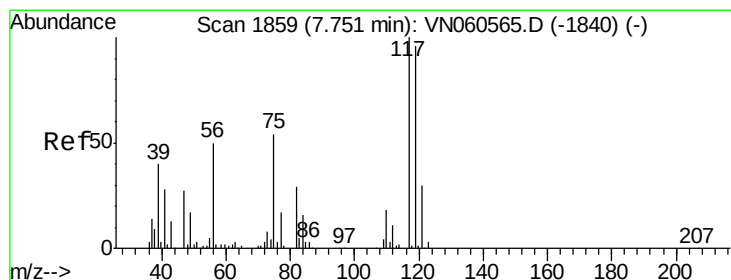
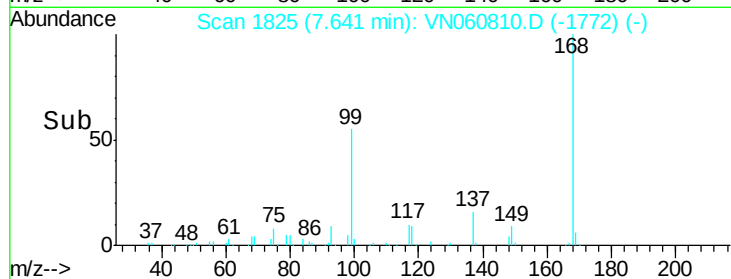
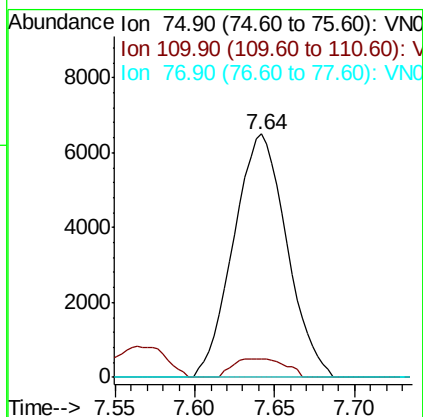
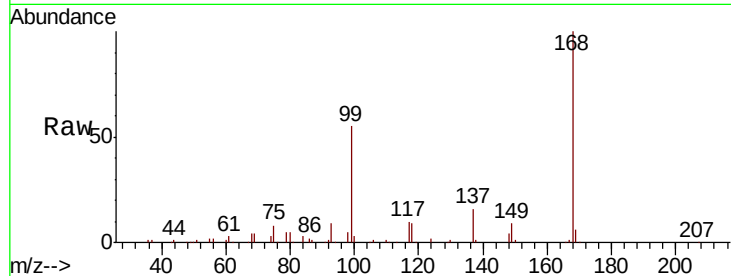




#36
 1,1-Dichloropropene
 Concen: 4.804 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060810.D
 Acq: 1 Apr 2020 15:03

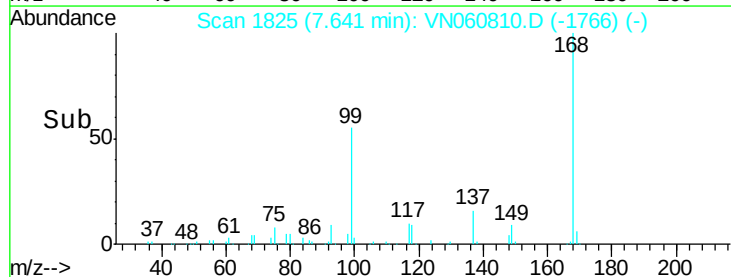
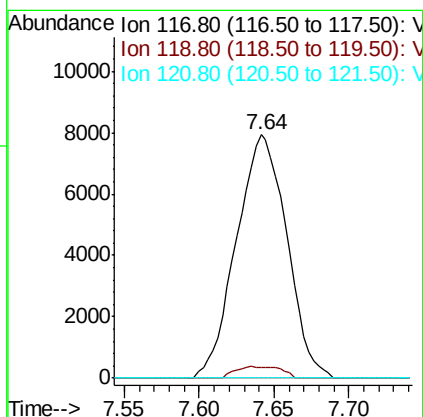
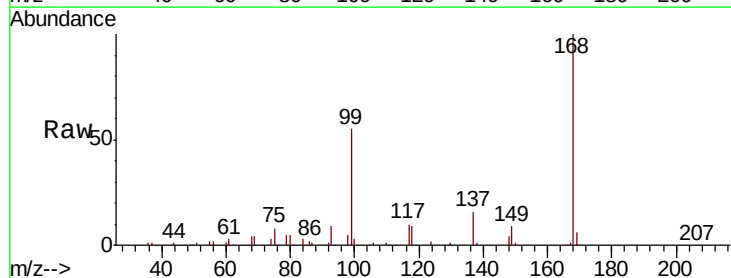
Instrument :
 MSVOA_N
 ClientSampleId :
 Z4-EB-200331

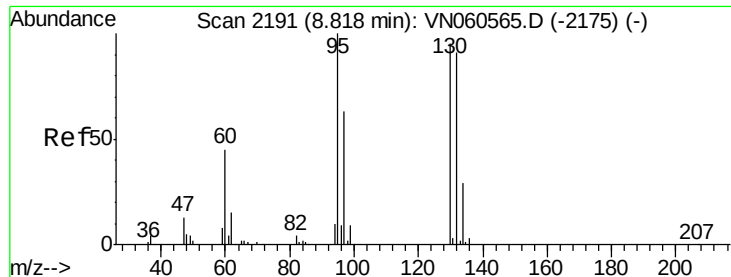
Tot Ion	75	Resp	14816
Ion Ratio	100	Lower	Upper
75	100		
110	7.4	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.719 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060810.D
 Acq: 1 Apr 2020 15:03

Tgt Ion	117	Resp	18571
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	23.7	35.5#





#44

Trichloroethene

Concen: 4.277 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

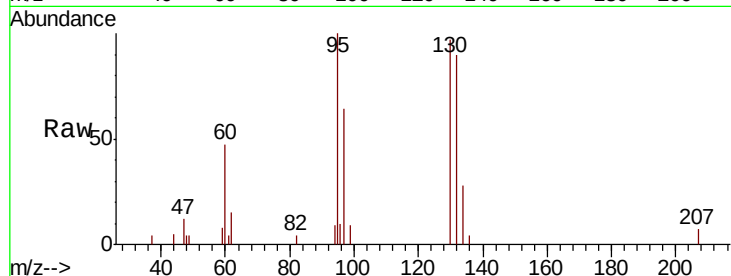
Z4-EB-200331

Tot Ion:130 Resp: 10038

Ion Ratio Lower Upper

130 100

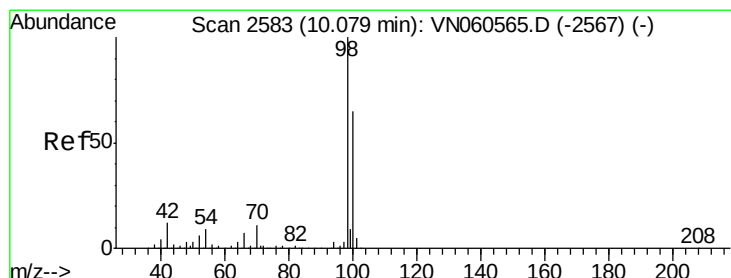
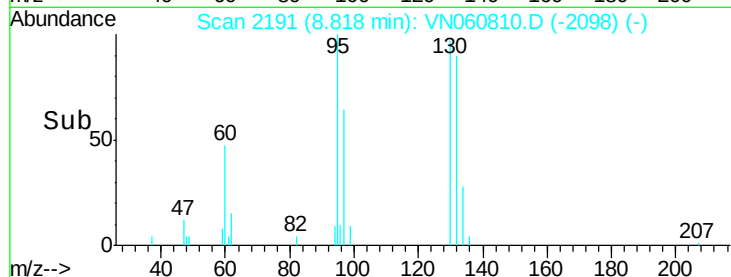
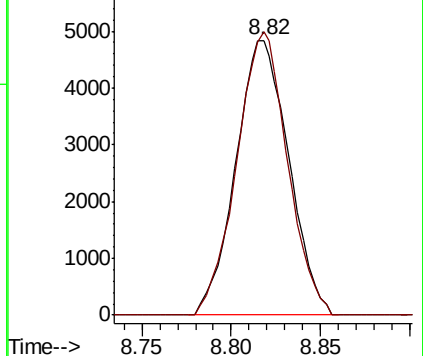
95 103.0 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060810.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060810.D (-2098) (-)

8.82



#50

Toluene-d8

Concen: 49.276 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060810.D

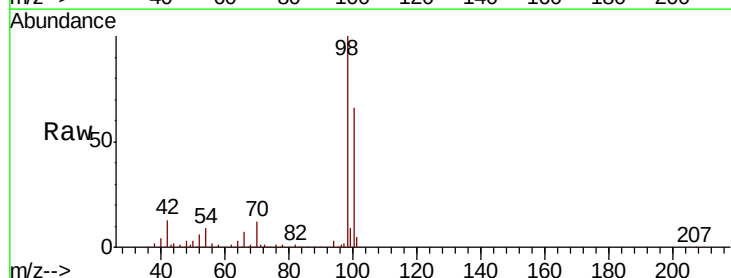
Acq: 1 Apr 2020 15:03

Tgt Ion: 98 Resp: 387619

Ion Ratio Lower Upper

98 100

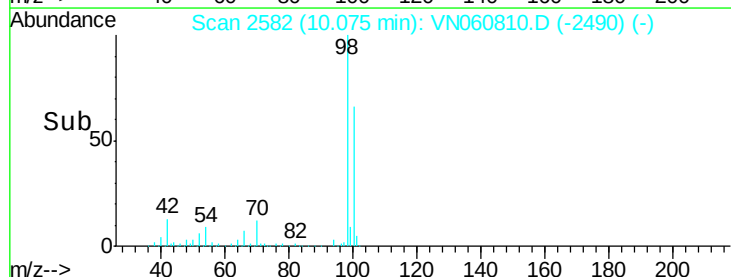
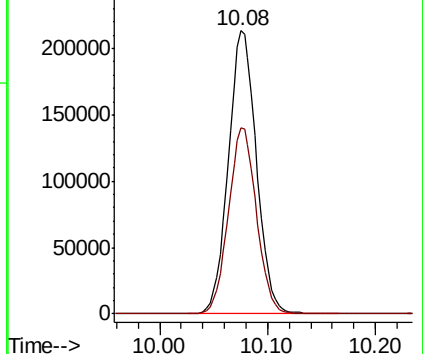
100 65.6 51.8 77.8

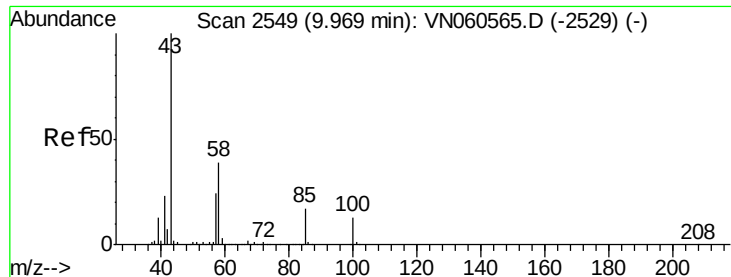


Abundance Ion 98.00 (97.70 to 98.70): VN060810.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060810.D (-2490) (-)

10.08

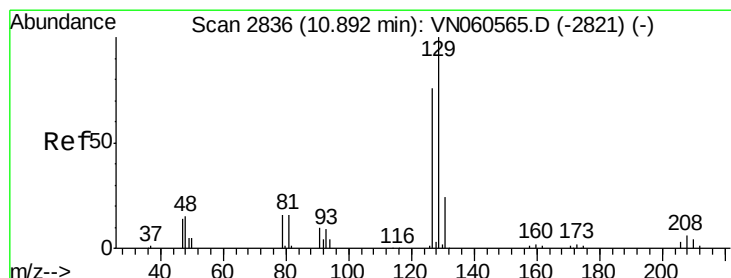
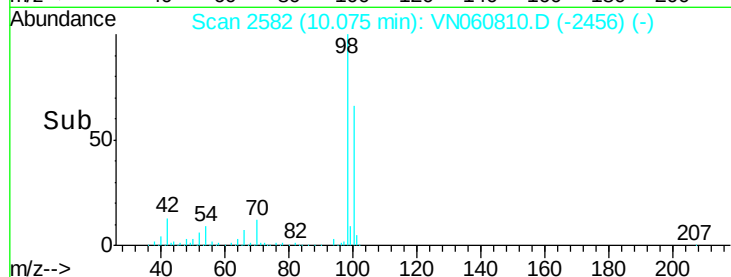
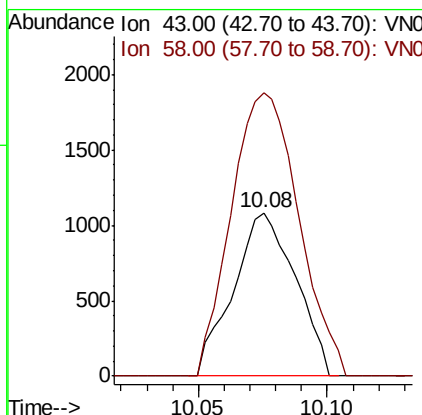
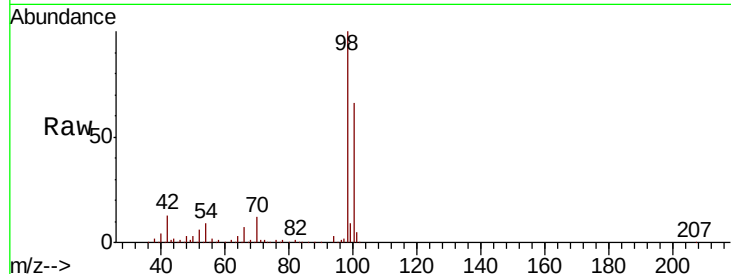




#51
4-Methyl-2-Pentanone
Concen: 0.581 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.11 min
Lab File: VN060810.D
Acq: 1 Apr 2020 15:03

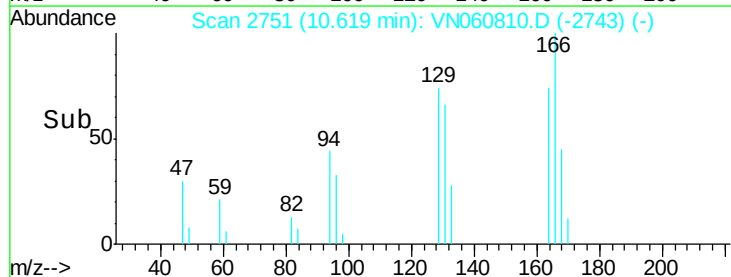
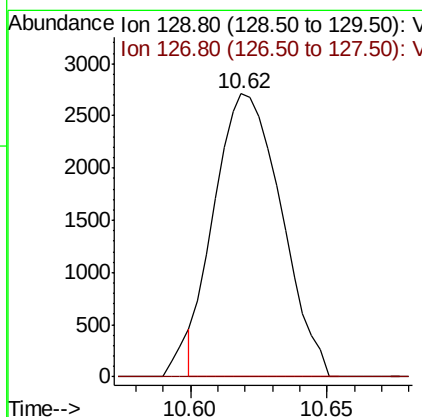
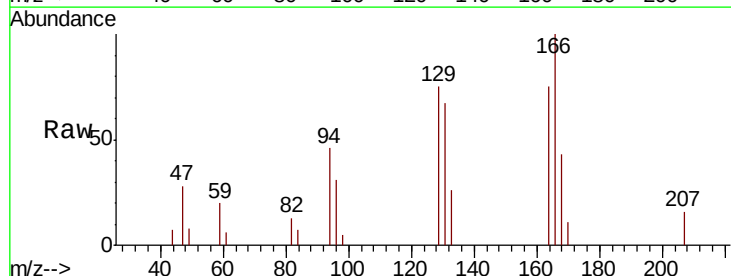
Instrument :
MSVOA_N
ClientSampled :
Z4-EB-200331

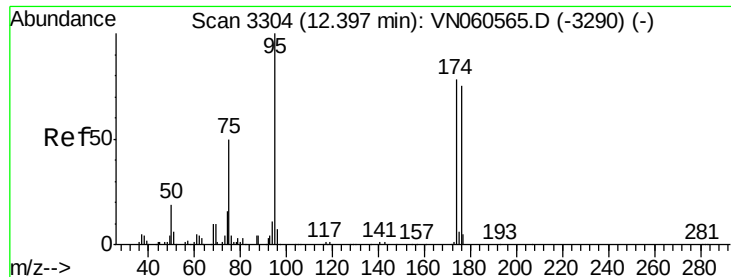
Tot Ion: 43 Resp: 1818
Ion Ratio Lower Upper
43 100
58 188.5 30.8 46.2#



#60
Dibromochloromethane
Concen: 2.061 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.27 min
Lab File: VN060810.D
Acq: 1 Apr 2020 15:03

Tgt Ion: 129 Resp: 4605
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 49.426 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

Z4-EB-200331

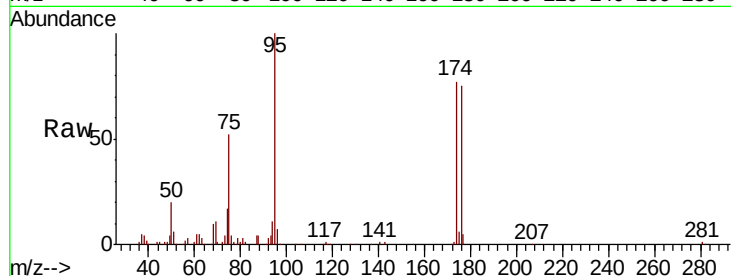
Tot Ion: 95 Resp: 142489

Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.6

176 75.7 0.0 150.6

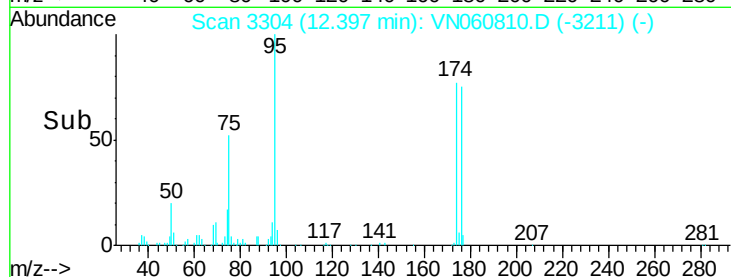


Abundance Ion 94.90 (94.60 to 95.60): VN060810.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060810.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060810.D (-3211) (-)

Time--> 12.30 12.35 12.40 12.45

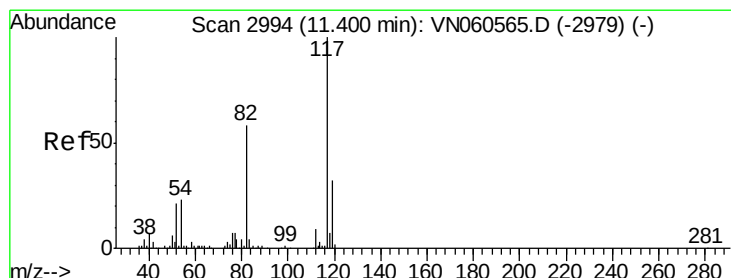


Abundance Ion 94.90 (94.60 to 95.60): VN060810.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060810.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060810.D (-3211) (-)

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

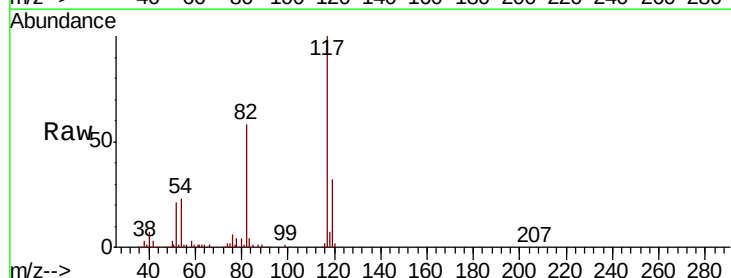
Tgt Ion: 117 Resp: 292498

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

119 32.0 25.5 38.3

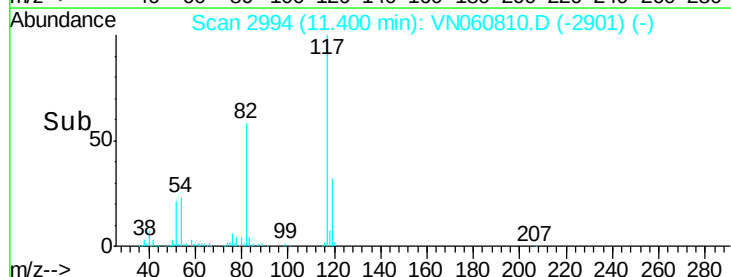


Abundance Ion 116.90 (116.60 to 117.60): VN060810.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060810.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060810.D (-2901) (-)

Time--> 11.30 11.40 11.50

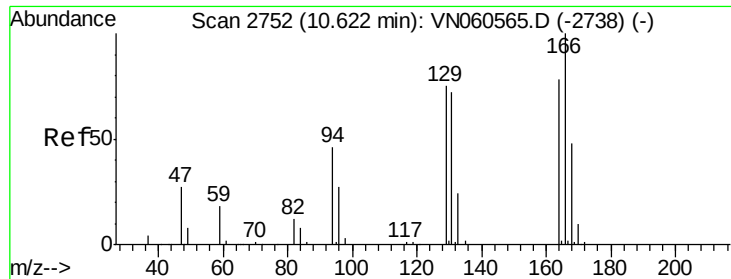


Abundance Ion 116.90 (116.60 to 117.60): VN060810.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060810.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060810.D (-2901) (-)

Time--> 11.30 11.40 11.50



#64

Tetrachloroethene

Concen: 2.137 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

Z4-EB-200331

Tot Ion:164 Resp: 4919

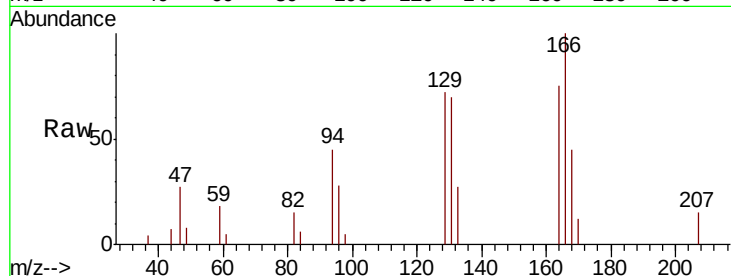
Ion Ratio Lower Upper

164 100

166 133.3 102.7 154.1

129 95.4 77.2 115.8

131 92.8 73.8 110.6

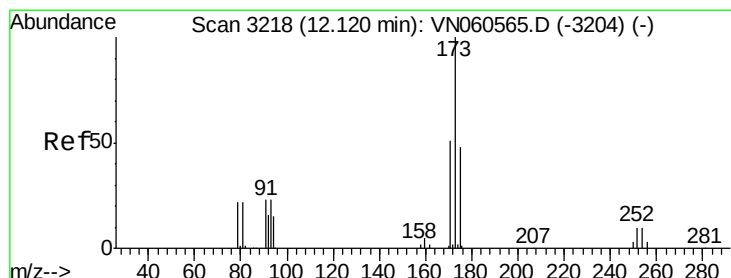
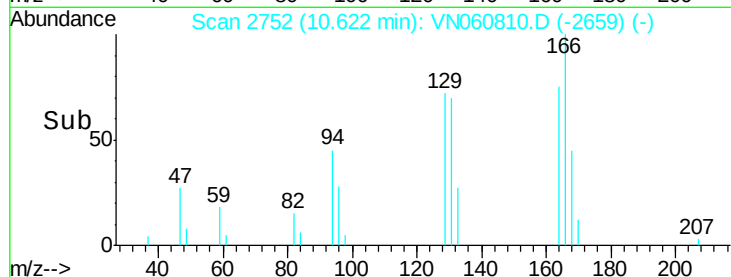
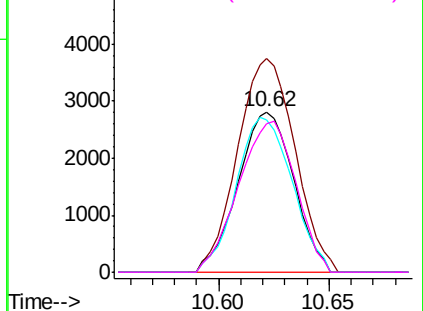


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 1.956 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

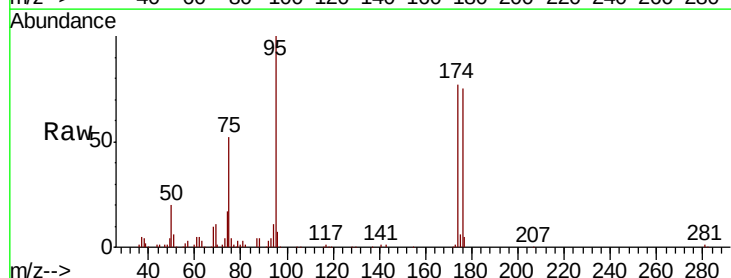
Tgt Ion:173 Resp: 498

Ion Ratio Lower Upper

173 100

175 1407.4 24.1 72.4#

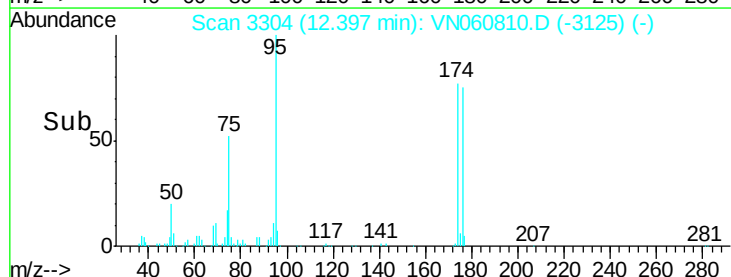
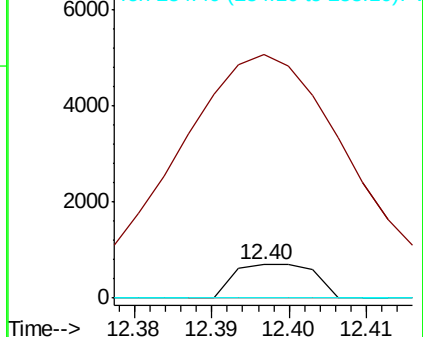
254 0.0 0.0 0.0

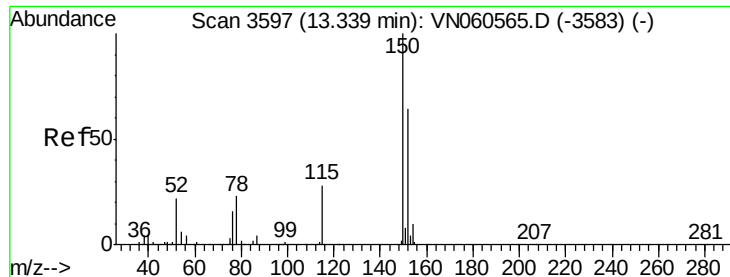


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060810.D

Acq: 1 Apr 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

Z4-EB-200331

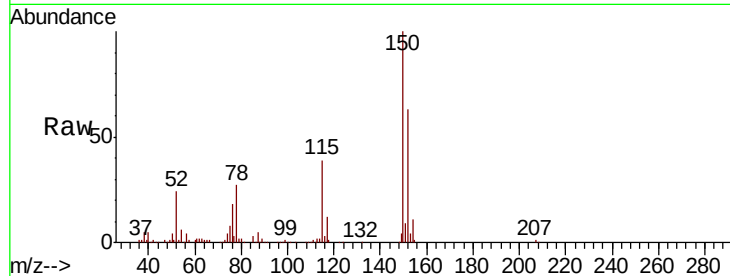
Tot Ion:152 Resp: 128635

Ion Ratio Lower Upper

152 100

115 60.6 30.2 90.6

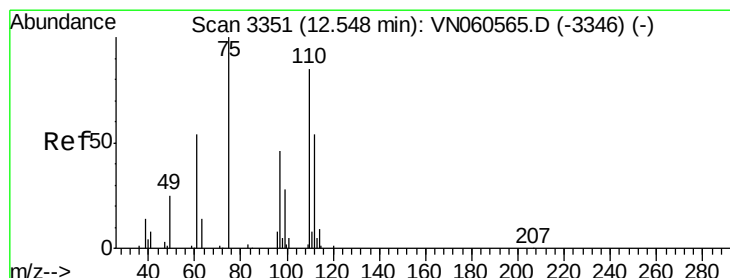
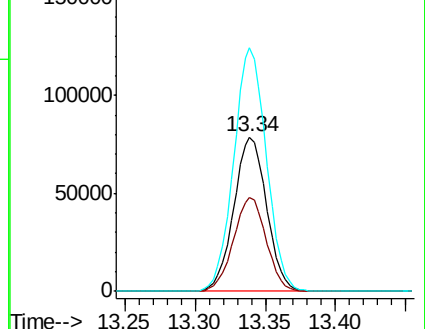
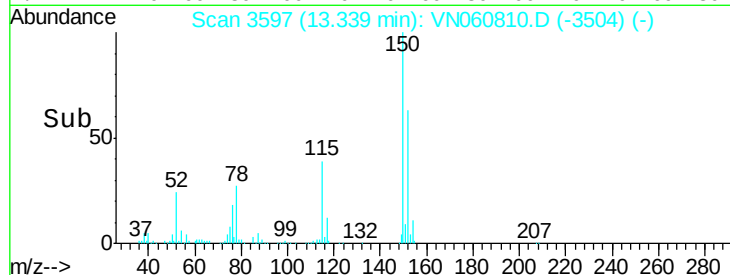
150 157.0 0.0 350.2



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: 26.226 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060810.D

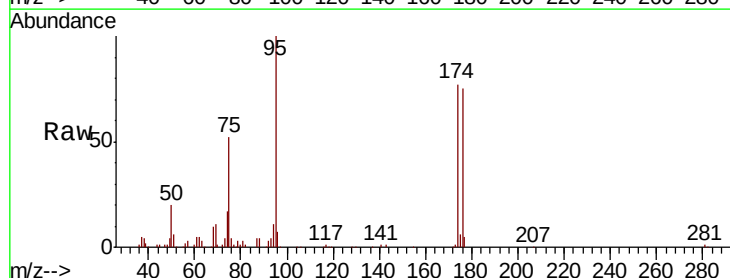
Acq: 1 Apr 2020 15:03

Tgt Ion: 75 Resp: 72794

Ion Ratio Lower Upper

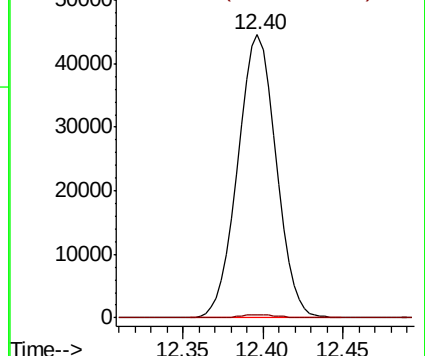
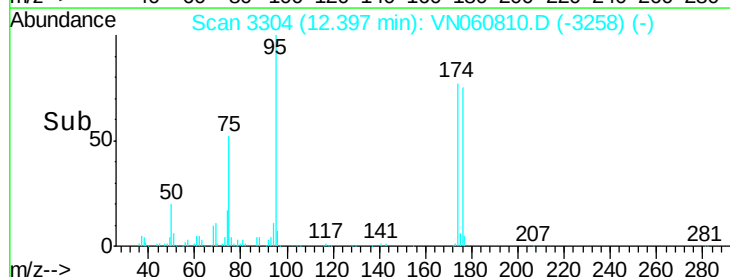
75 100

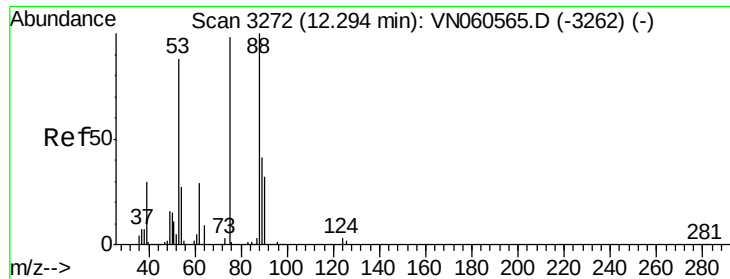
77 1.1 0.0 0.0#



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: 67.355 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060810.D
 Acq: 1 Apr 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 Z4-EB-200331

Tot Ion: 75 Resp: 72794
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

