

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062908.D
 Acq On : 13 Aug 2020 14:02
 Operator : JC/MD
 Sample : L3619-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

Quant Time: Aug 14 05:07:17 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	126295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	220230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83408	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	109198	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	7.55	113	75657	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	10.06	98	283750	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.38	95	112437	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

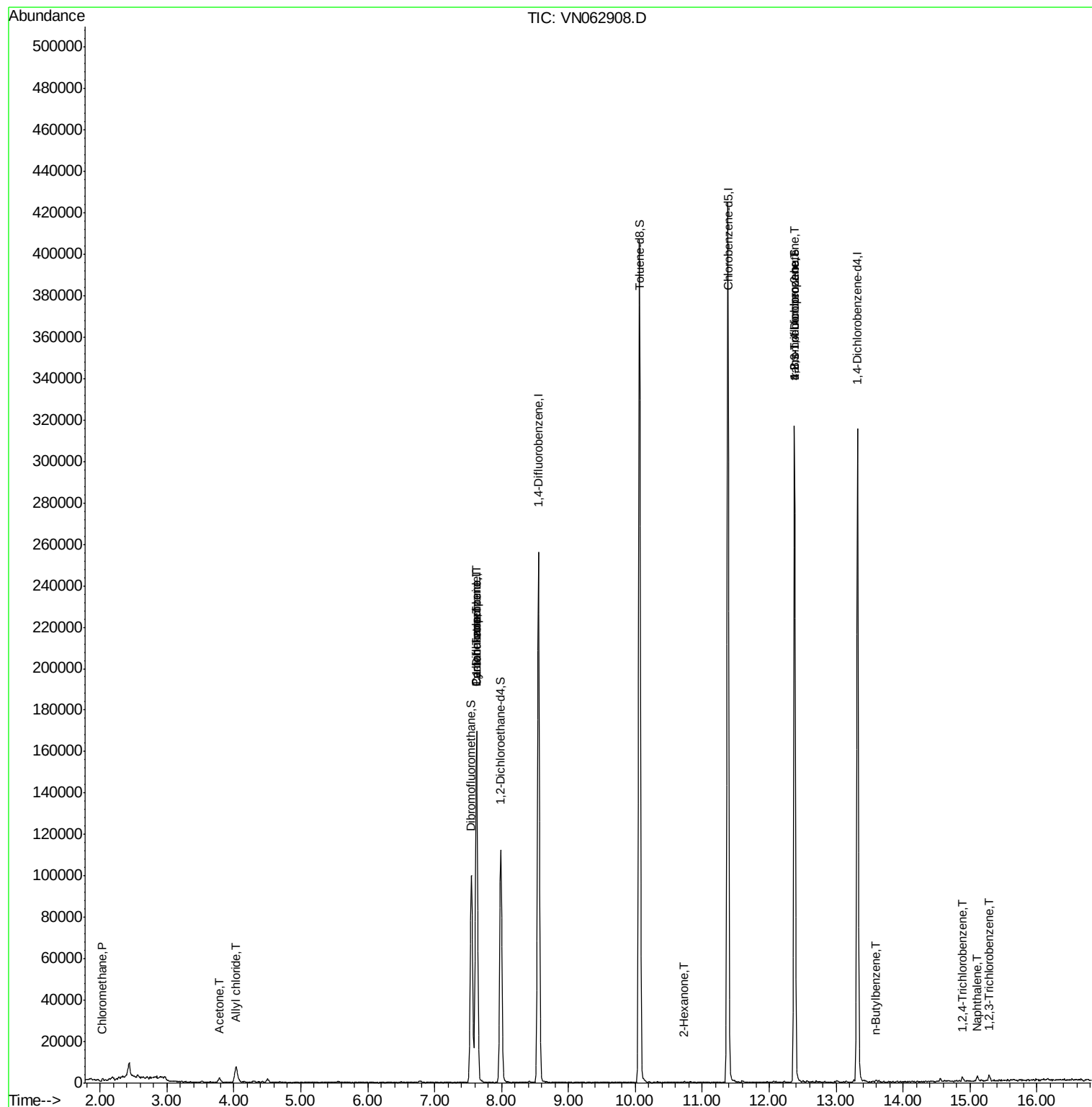
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1054	0.618	ug/l	99
14) Allyl chloride	4.03	41	1332	0.602	ug/l #	74
16) Acetone	3.78	43	3752	4.972	ug/l	98
17) Carbon Disulfide	4.00	76	777	Below Cal	#	74
18) Methyl Acetate	4.28	43	298	Below Cal	#	74
20) Methylene Chloride	4.50	84	828	Below Cal	#	54
31) Cyclohexane	7.63	56	2894	1.143	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10701	4.990	ug/l #	49
38) Carbon Tetrachloride	7.63	117	14126	5.570	ug/l #	15
59) 2-Hexanone	10.73	43	424	0.235	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	59611	26.501	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59611	80.899	ug/l #	10
89) n-Butylbenzene	13.60	91	1054	0.232	ug/l #	69
93) 1,2,4-Trichlorobenzene	14.89	180	878	3.906	ug/l #	83
95) Naphthalene	15.11	128	3238	4.490	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.29	180	1395	3.694	ug/l #	50

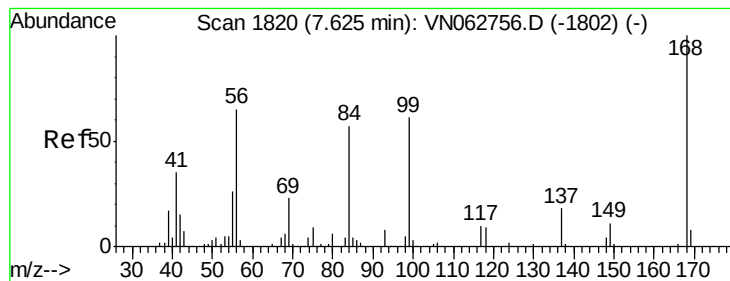
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062908.D

Acq: 13 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

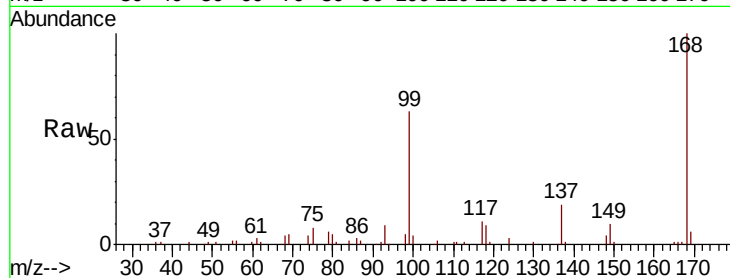
STORAGE-BLANK-WATER-REF-6

Tot Ion:168 Resp: 126295

Ion Ratio Lower Upper

168 100

99 62.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

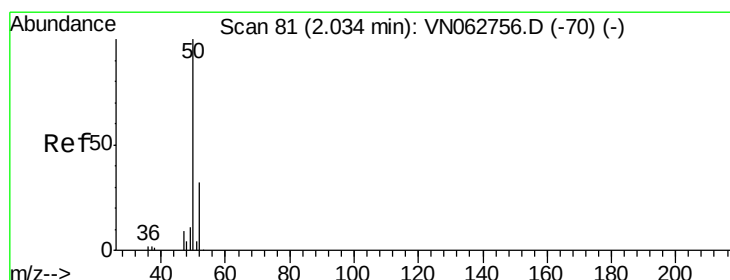
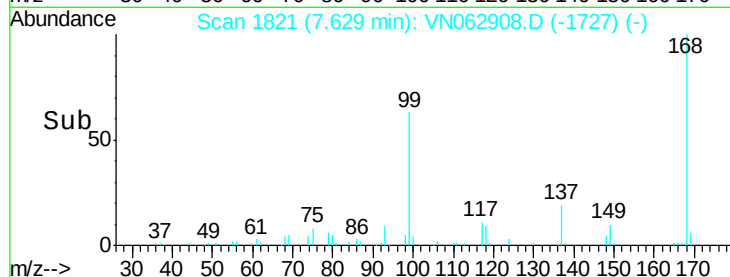
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#3

Chloromethane

Concen: 0.618 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062908.D

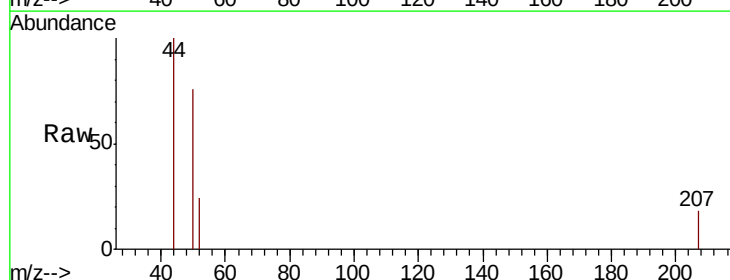
Acq: 13 Aug 2020 14:02

Tgt Ion: 50 Resp: 1054

Ion Ratio Lower Upper

50 100

52 31.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

800

600

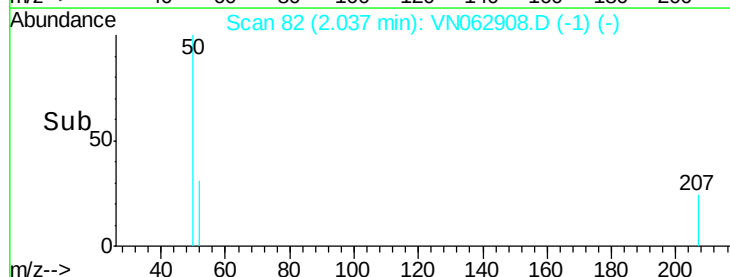
400

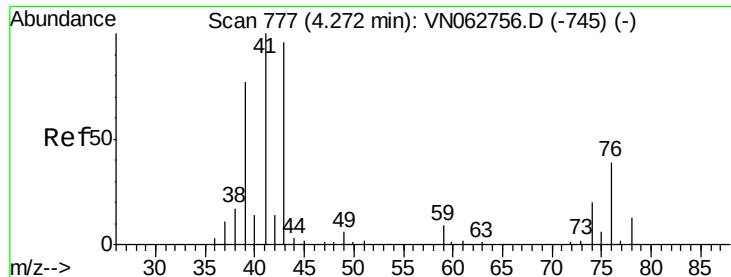
200

0

2.00 2.02 2.04 2.06

Time-->

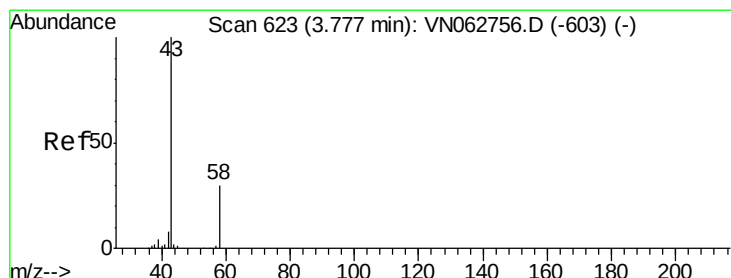
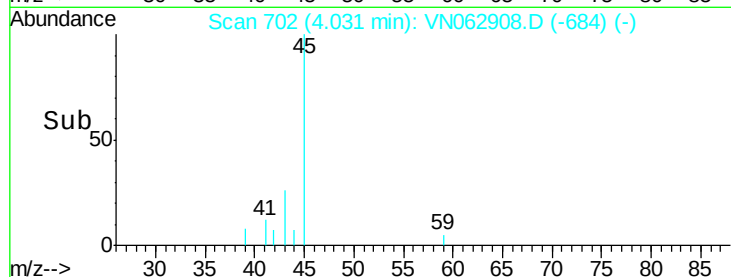
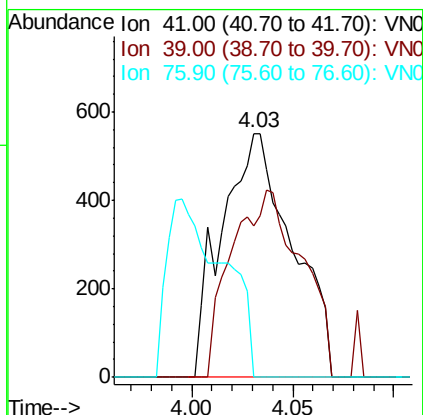
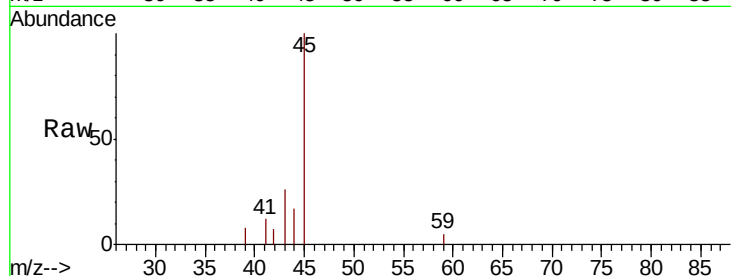




#14
Allvl chloride
Concen: 0.602 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.24 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

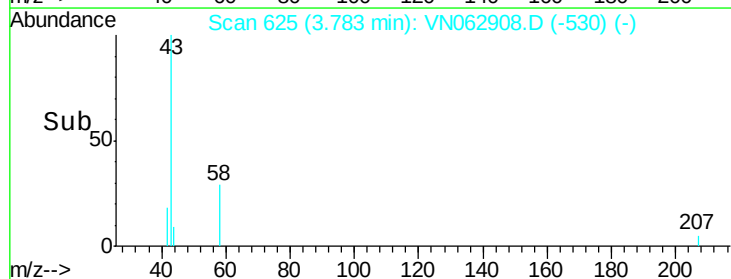
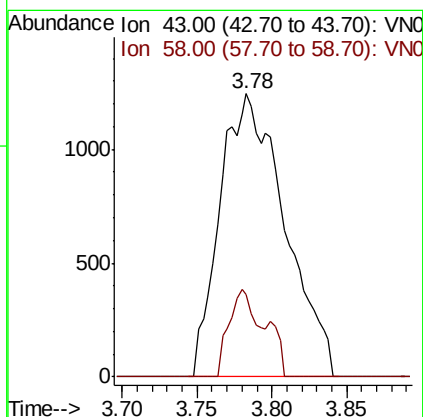
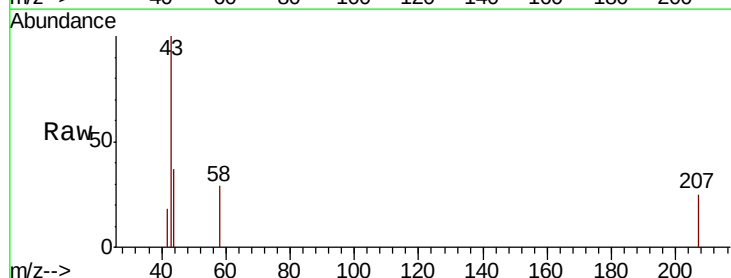
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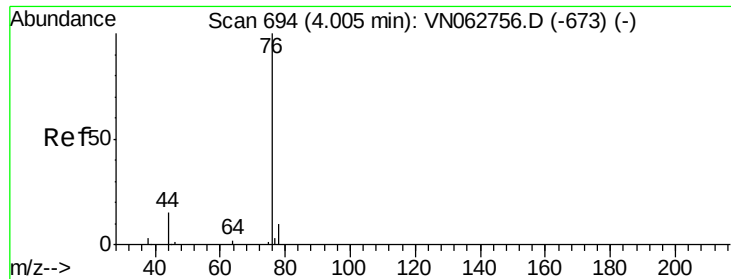
Tot Ion: 41 Resp: 1332
Ion Ratio Lower Upper
41 100
39 76.9 55.7 83.5
76 0.0 27.5 41.3#



#16
Acetone
Concen: 4.972 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Tgt Ion: 43 Resp: 3752
Ion Ratio Lower Upper
43 100
58 29.1 24.1 36.1





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 691

Delta R.T. -0.01 min

Lab File: VN062908.D

Acq: 13 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

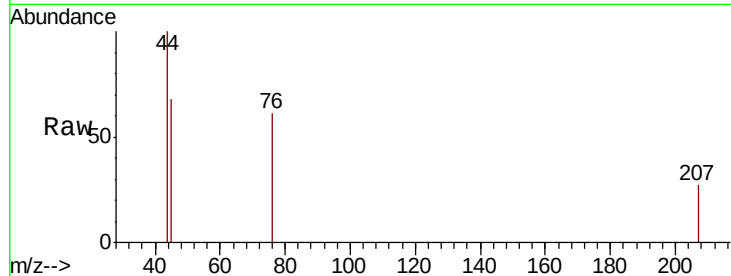
STORAGE-BLANK-WATER-REF-6

Tot Ion: 76 Resp: 777

Ion Ratio Lower Upper

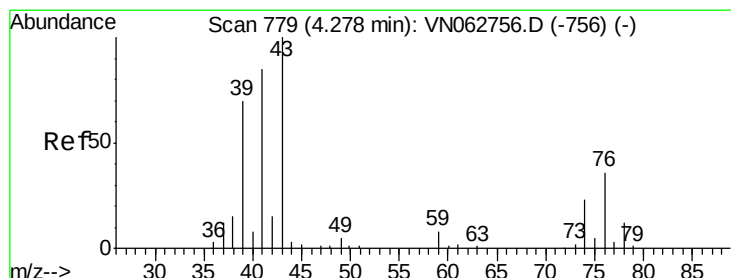
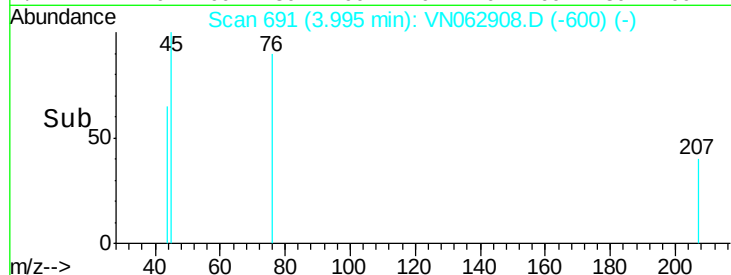
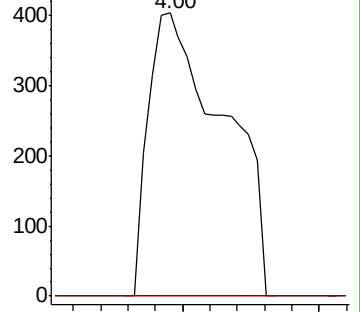
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062908.D

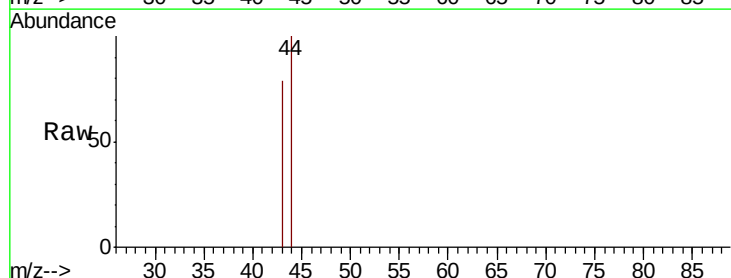
Acq: 13 Aug 2020 14:02

Tgt Ion: 43 Resp: 298

Ion Ratio Lower Upper

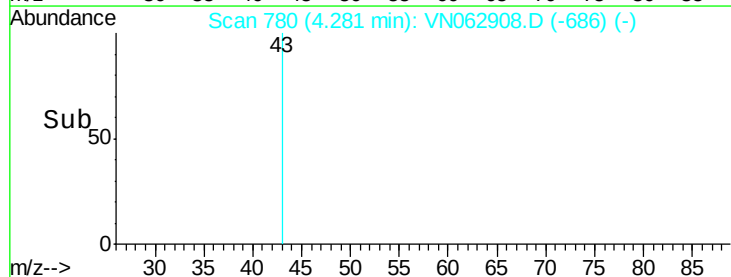
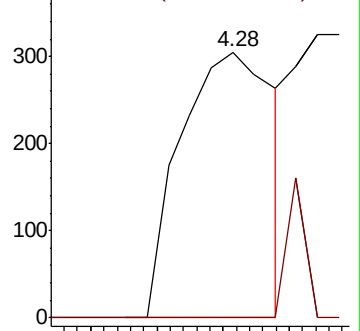
43 100

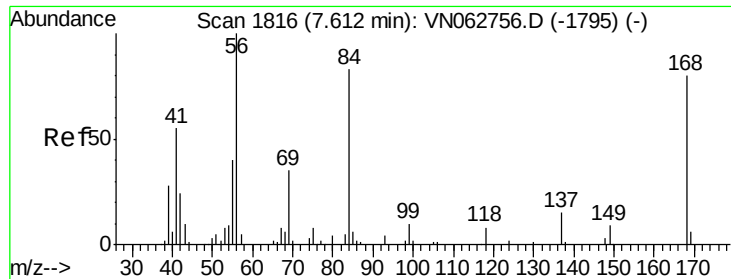
74 10.4 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

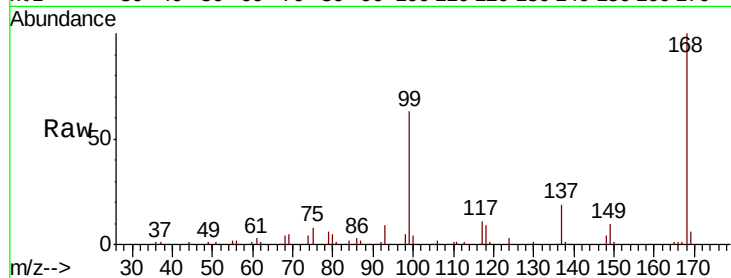




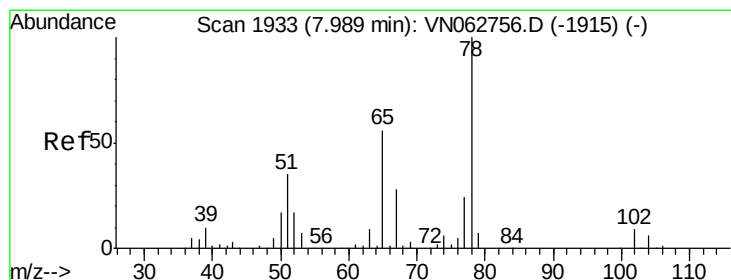
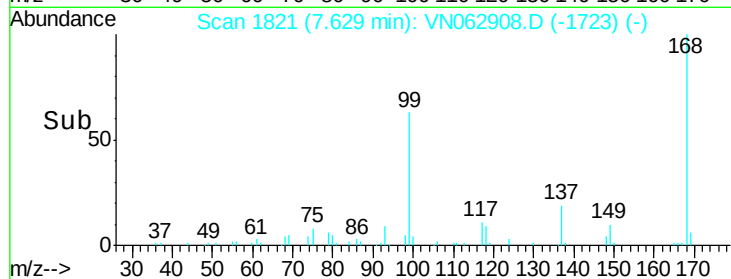
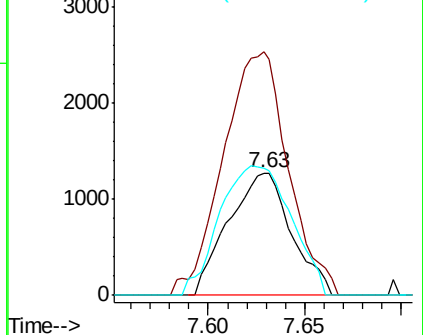
#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

Tot Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 198.9 28.1 42.1#
84 104.1 66.8 100.2#

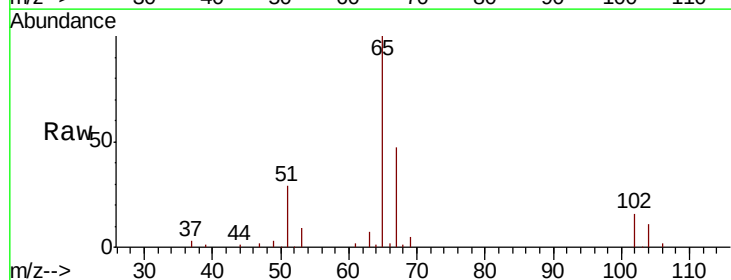


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

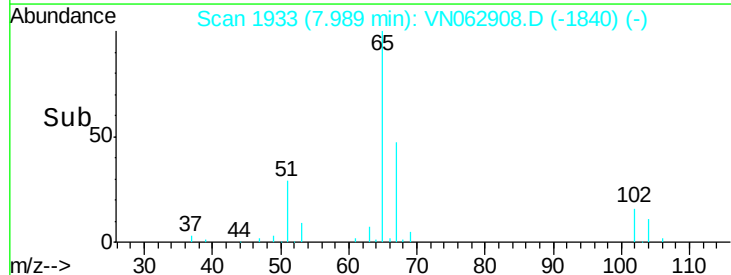
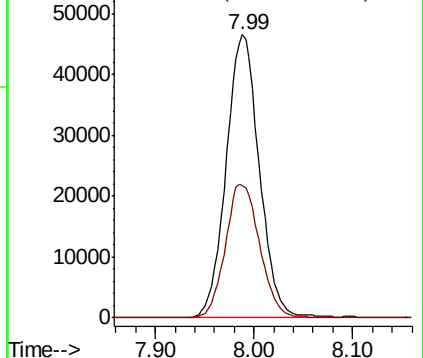


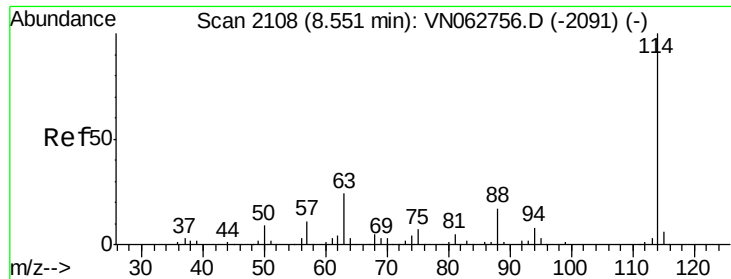
#33
1,2-Dichloroethane-d4
Concen: 52.285 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Tgt Ion: 65 Resp: 109198
Ion Ratio Lower Upper
65 100
67 48.8 0.0 101.4



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

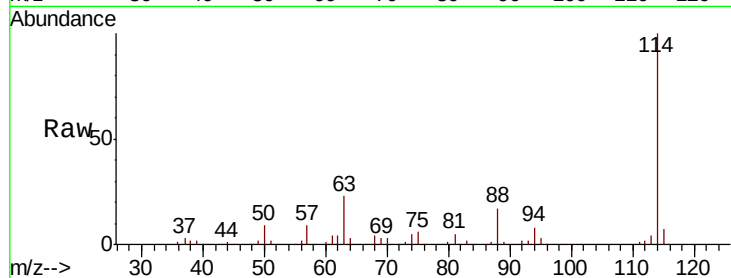




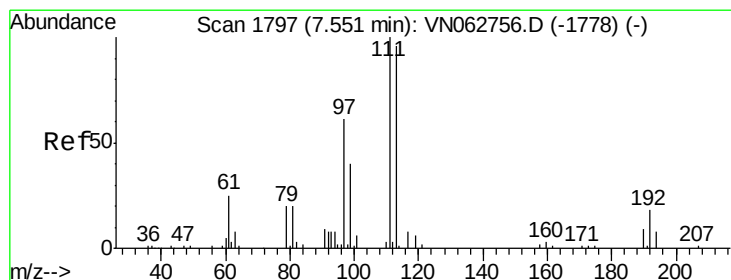
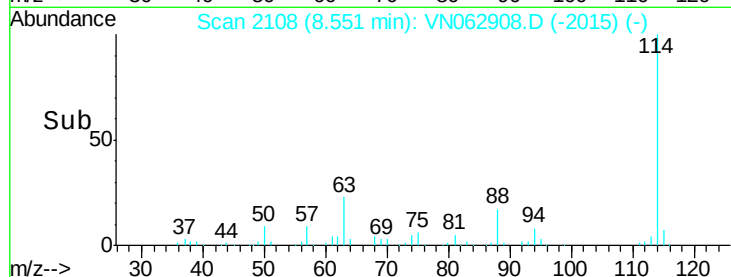
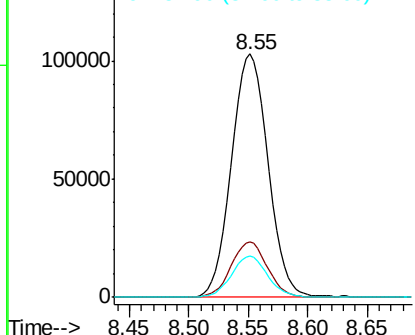
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Instrument :
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Tot Ion:114 Resp: 220230
Ion Ratio Lower Upper
114 100
63 22.9 0.0 47.6
88 17.2 0.0 34.4

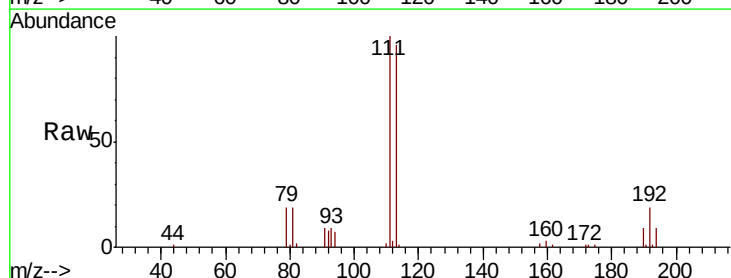


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

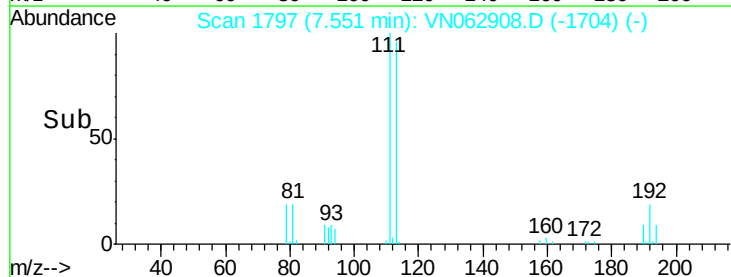
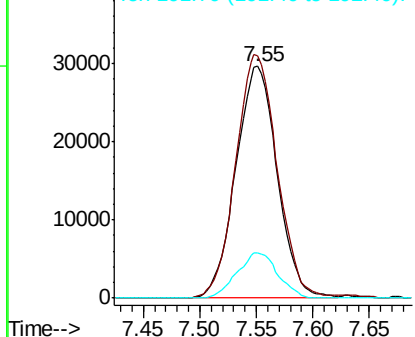


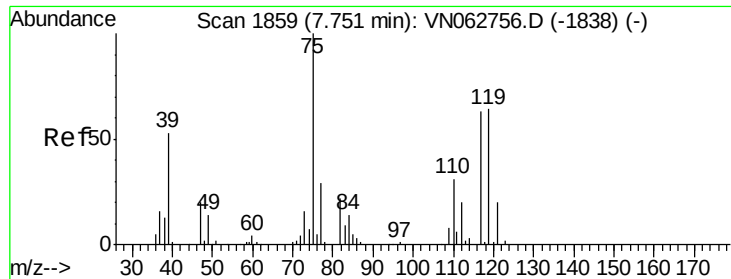
#35
Dibromofluoromethane
Concen: 50.220 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Tgt Ion:113 Resp: 75657
Ion Ratio Lower Upper
113 100
111 105.0 81.8 122.6
192 19.1 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

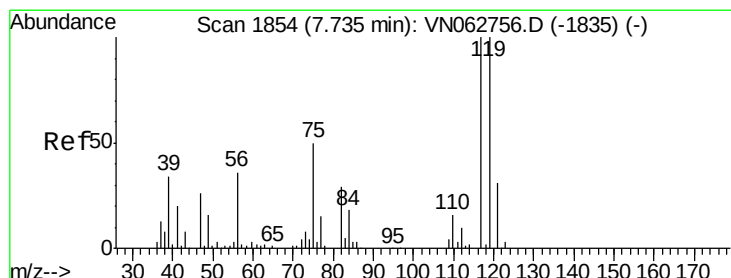
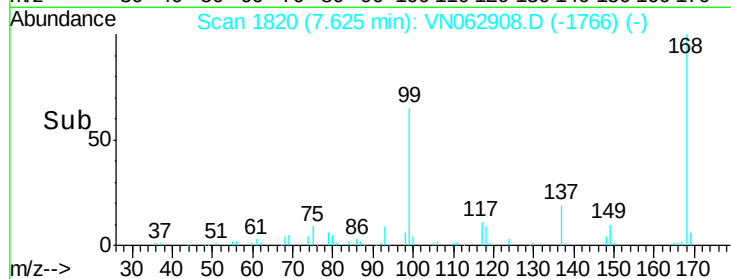
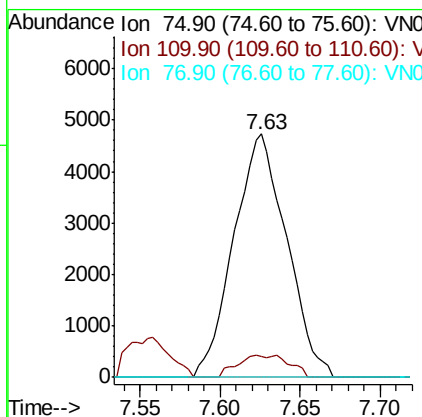
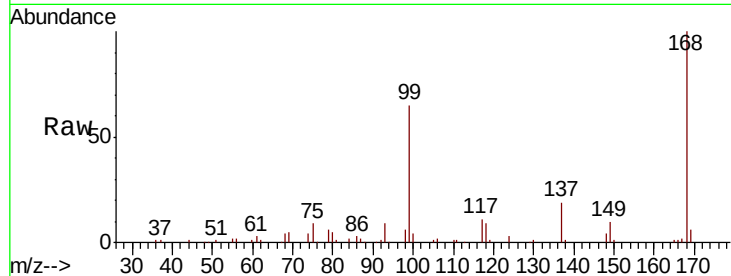




#36
 1,1-Dichloropropene
 Concen: 4.990 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062908.D
 Acq: 13 Aug 2020 14:02

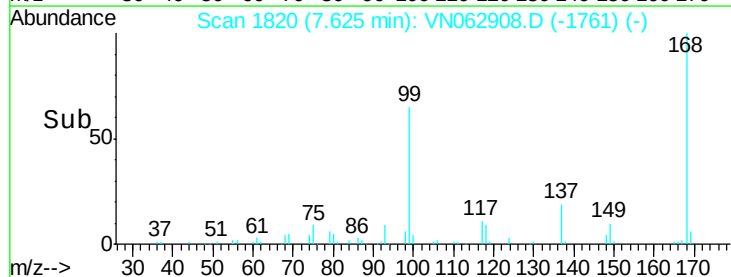
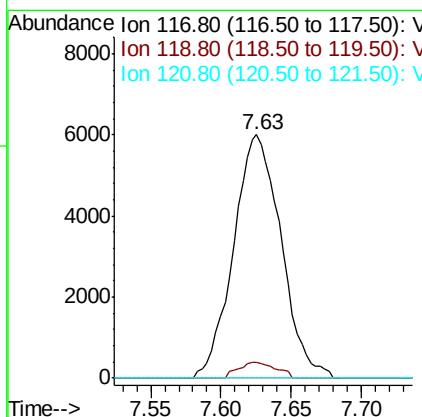
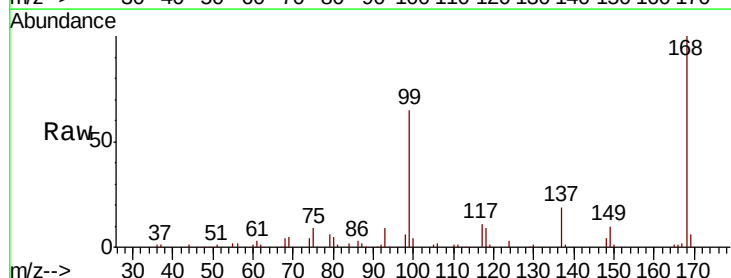
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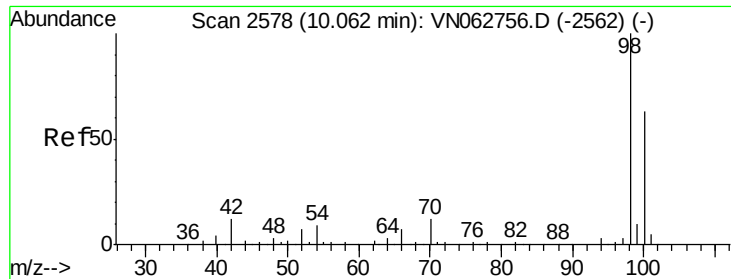
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.0	15.6	46.7#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 5.570 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062908.D
 Acq: 13 Aug 2020 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	79.4	119.2#
121	0.0	24.9	37.3#

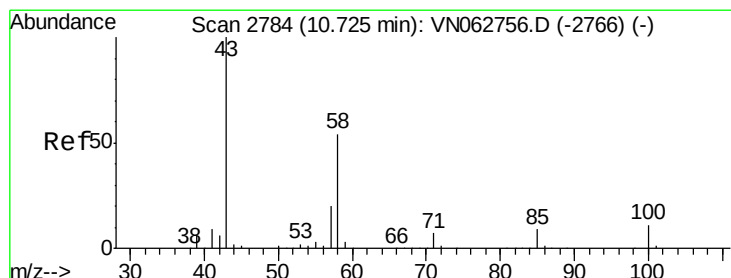
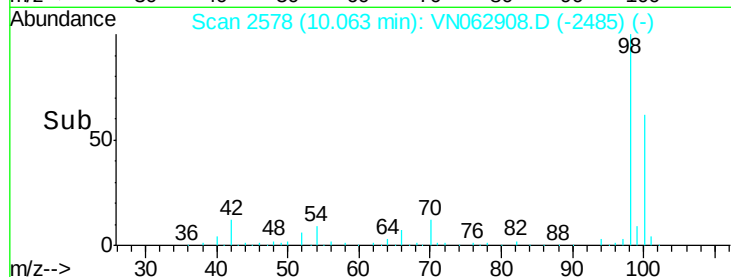
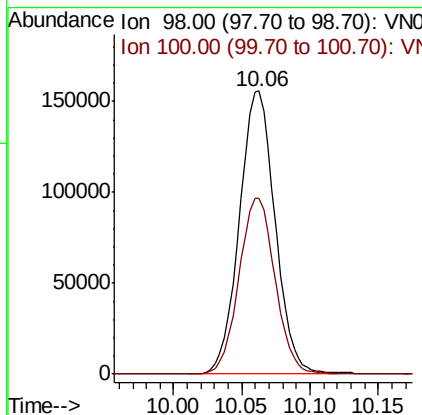
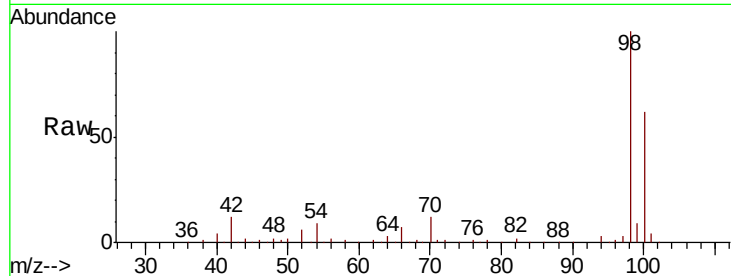




#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

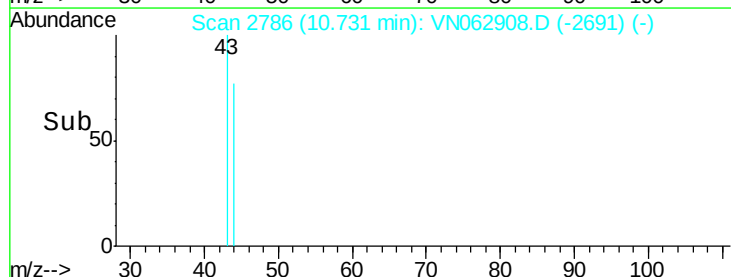
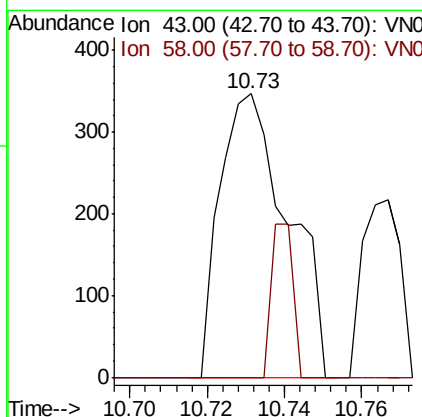
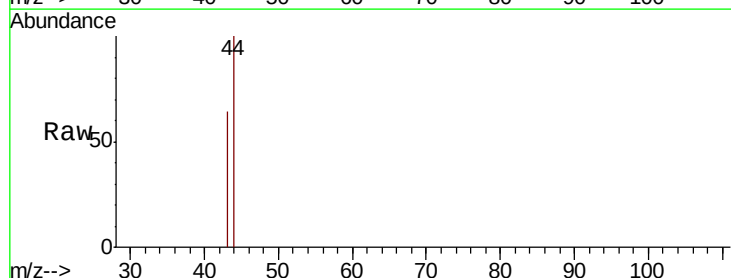
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

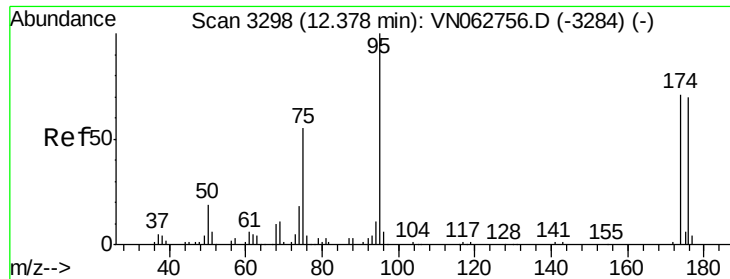
Tot Ion: 98 Resp: 283750
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#59
2-Hexanone
Concen: 0.235 ug/l
RT: 10.73 min Scan# 2786
Delta R.T. 0.01 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 17.0 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 50.588 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062908.D

Acq: 13 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

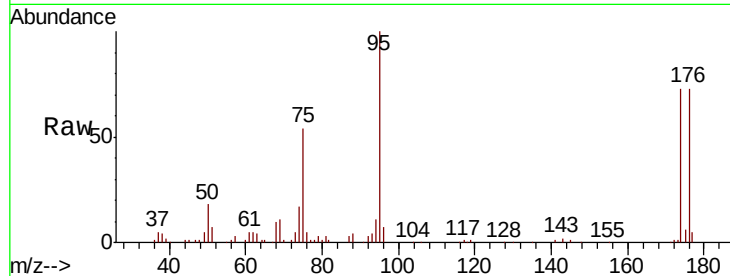
Tot Ion: 95 Resp: 112437

Ion Ratio Lower Upper

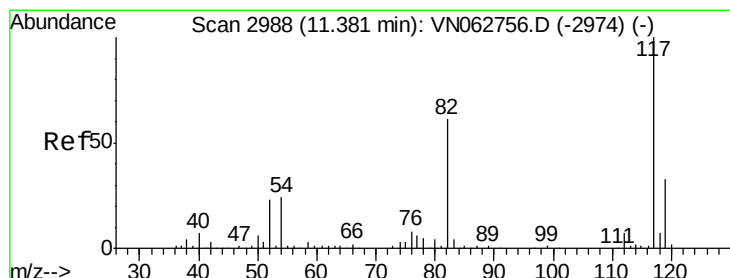
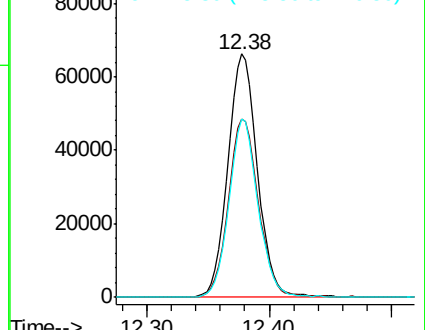
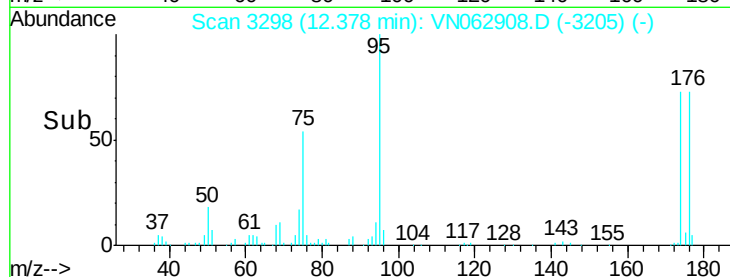
95 100

174 74.7 0.0 144.8

176 71.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062908.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062908.D

Acq: 13 Aug 2020 14:02

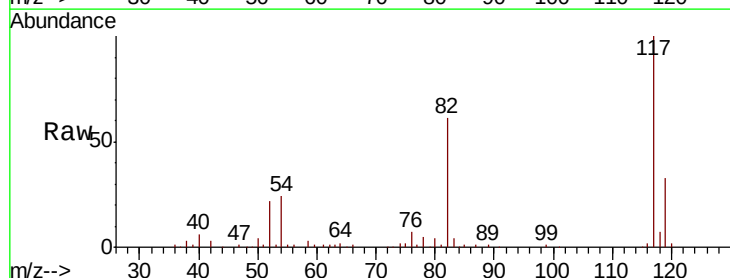
Tgt Ion: 117 Resp: 232425

Ion Ratio Lower Upper

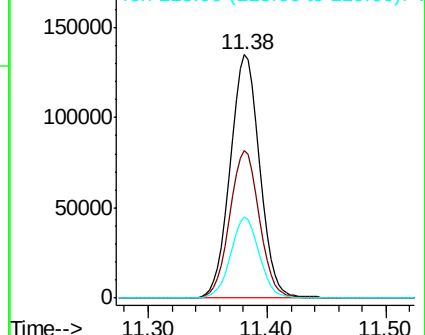
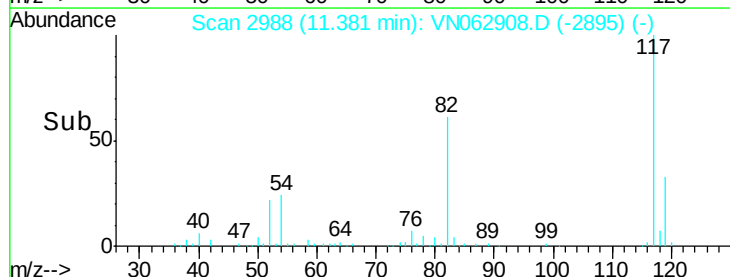
117 100

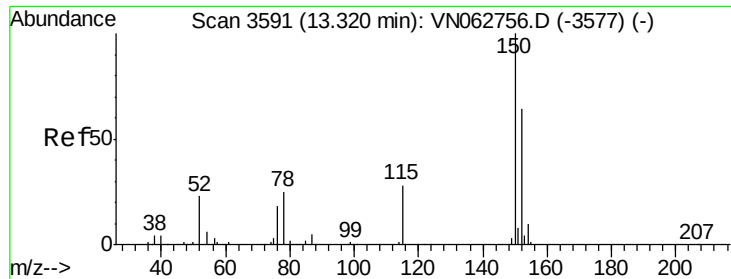
82 60.7 49.0 73.4

119 33.4 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062908.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062908.D

Acq: 13 Aug 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

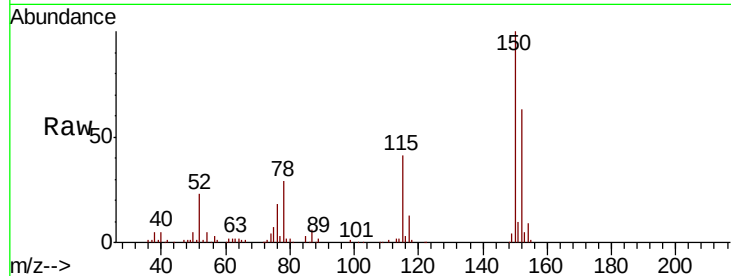
Tot Ion:152 Resp: 83408

Ion Ratio Lower Upper

152 100

115 64.3 31.6 94.8

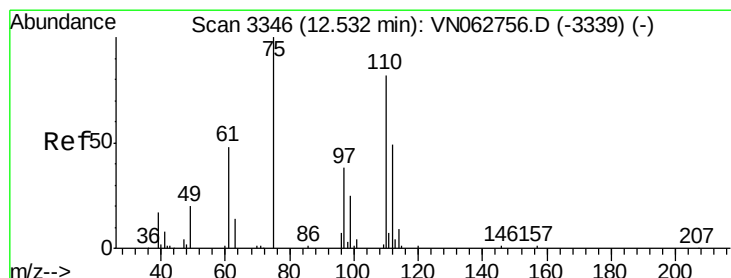
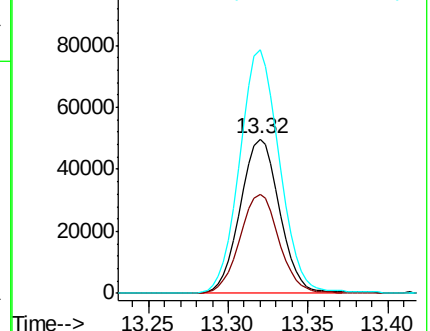
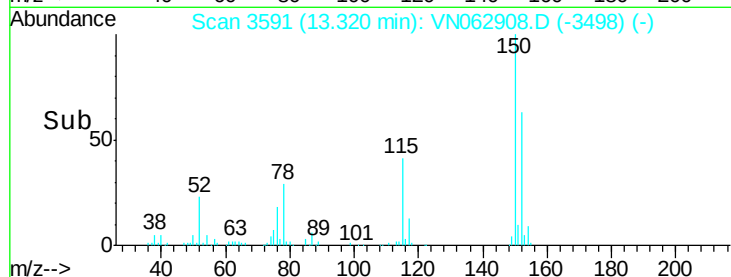
150 160.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.501 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062908.D

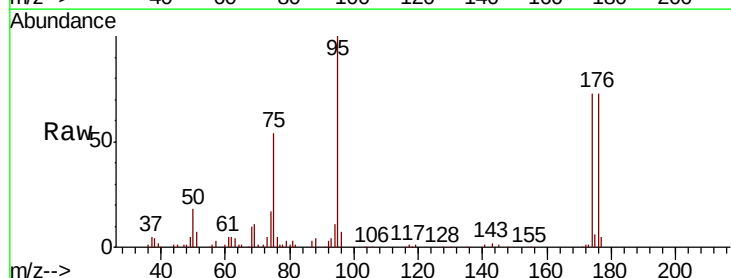
Acq: 13 Aug 2020 14:02

Tgt Ion: 75 Resp: 59611

Ion Ratio Lower Upper

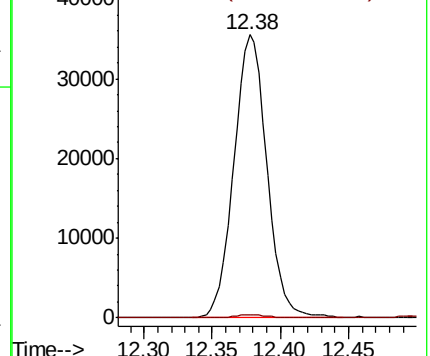
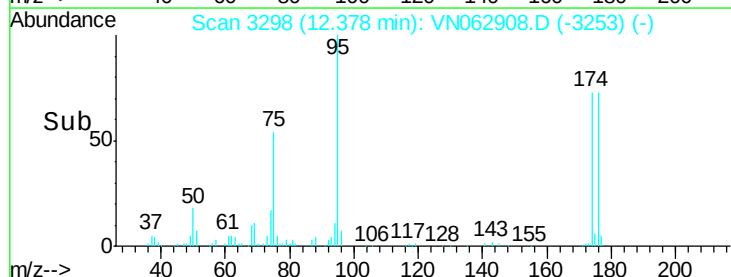
75 100

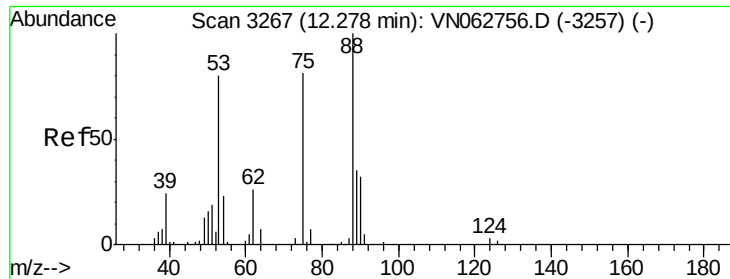
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

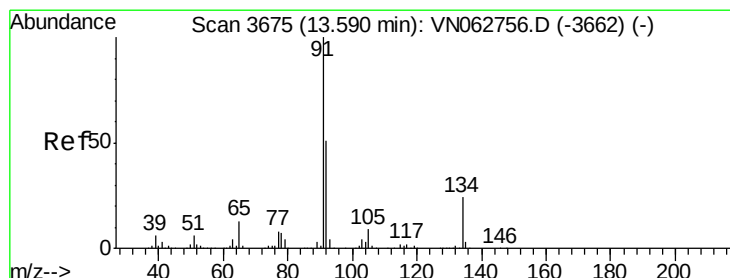
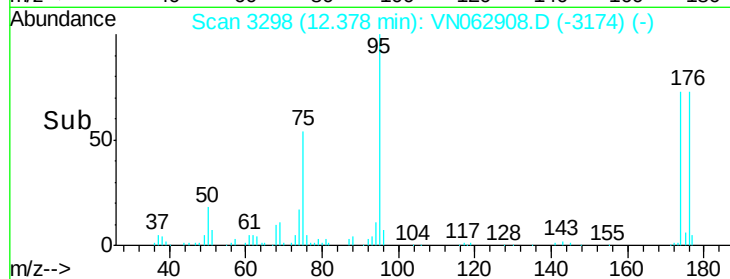
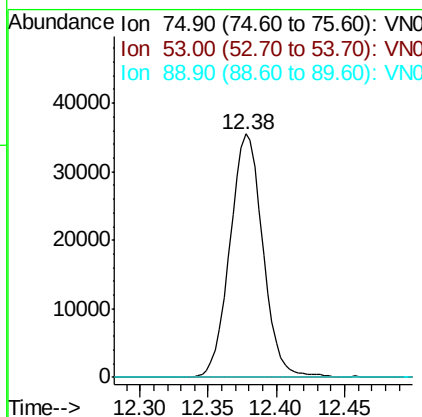
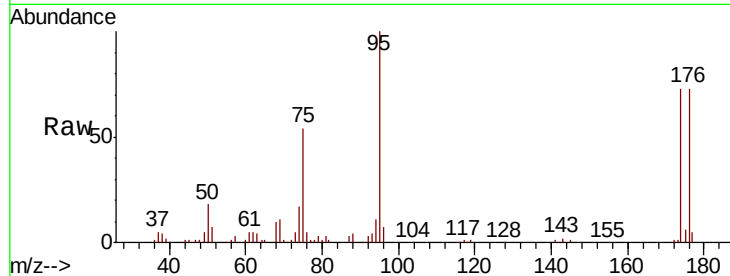




#81
trans-1,4-Dichloro-2-butene
Concen: 80.899 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

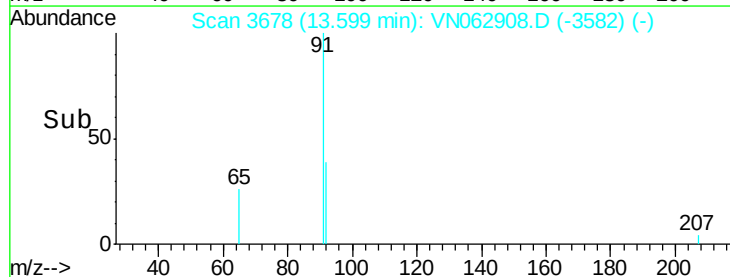
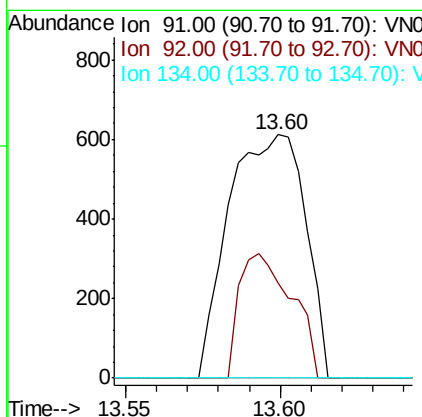
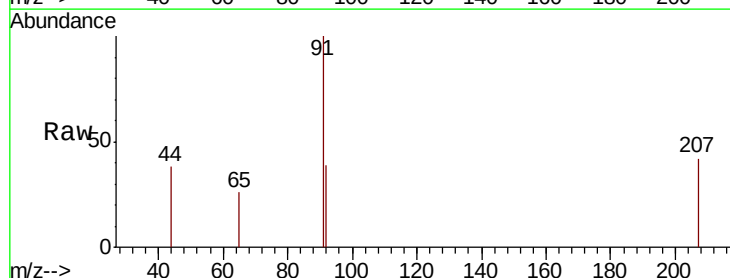
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

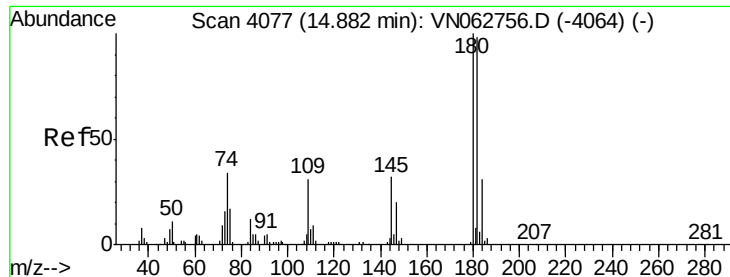
Tot Ion: 75 Resp: 59611
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 36.2 54.2#



#89
n-Butylbenzene
Concen: 0.232 ug/l
RT: 13.60 min Scan# 3678
Delta R.T. 0.01 min
Lab File: VN062908.D
Acq: 13 Aug 2020 14:02

Tgt Ion: 91 Resp: 1054
Ion Ratio Lower Upper
91 100
92 35.3 25.7 77.0
134 0.0 12.2 36.6#

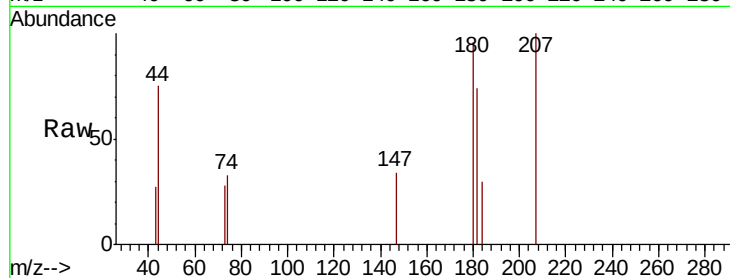




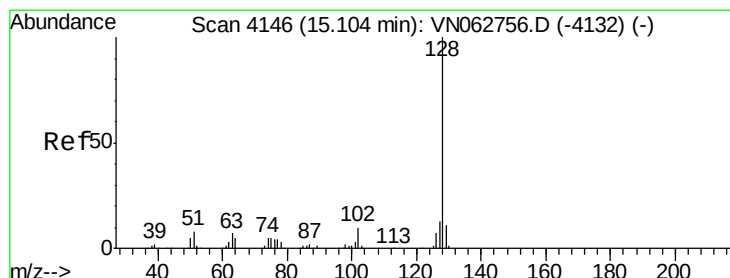
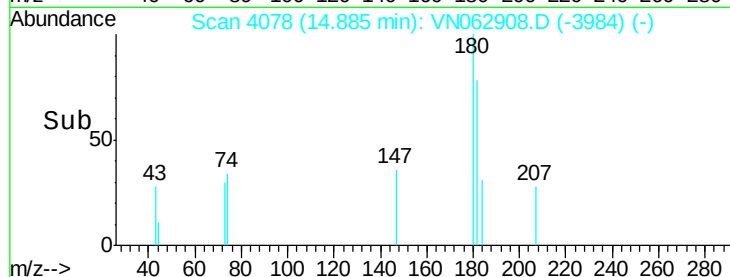
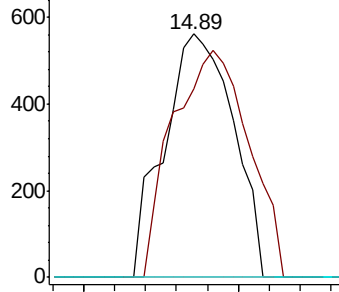
#93
 1,2,4-Trichlorobenzene
 Concen: 3.906 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062908.D
 Acq: 13 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

Tot Ion:180 Resp: 878
 Ion Ratio Lower Upper
 180 100
 182 102.4 49.1 147.4
 145 0.0 16.3 48.8#

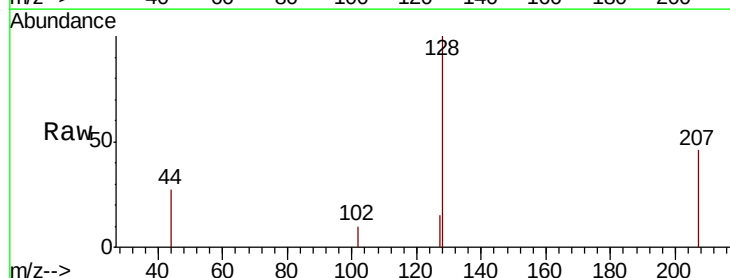


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

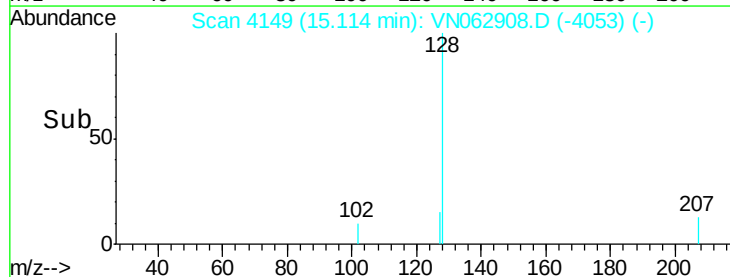
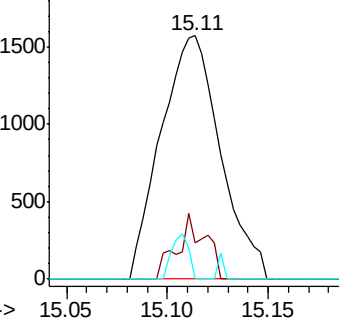


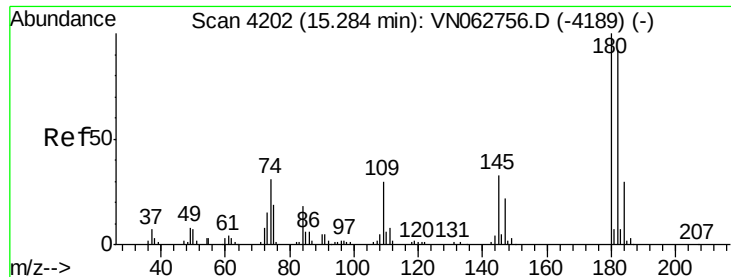
#95
 Naphthalene
 Concen: 4.490 ug/l
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN062908.D
 Acq: 13 Aug 2020 14:02

Tgt Ion:128 Resp: 3238
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.8 16.2
 129 5.3 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

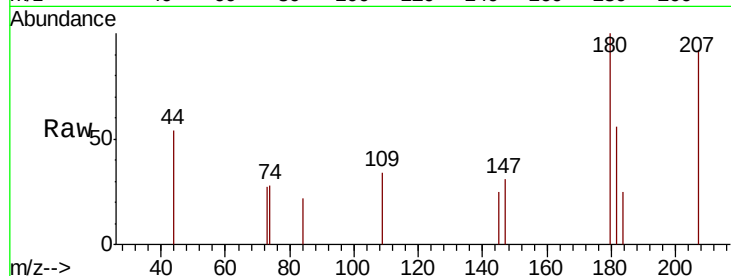




#96
 1,2,3-Trichlorobenzene
 Concen: 3.694 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062908.D
 Acq: 13 Aug 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

Tot Ion	Ratio	Lower	Upper
180	100		
182	39.1	47.9	143.6#
145	18.2	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

