

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062577.D
 Acq On : 21 Jul 2020 17:39
 Operator : JC/MD
 Sample : L3342-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jul 22 05:05:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	282536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95967	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	133002	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.55	113	100376	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.06	98	389925	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.38	95	130001	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	

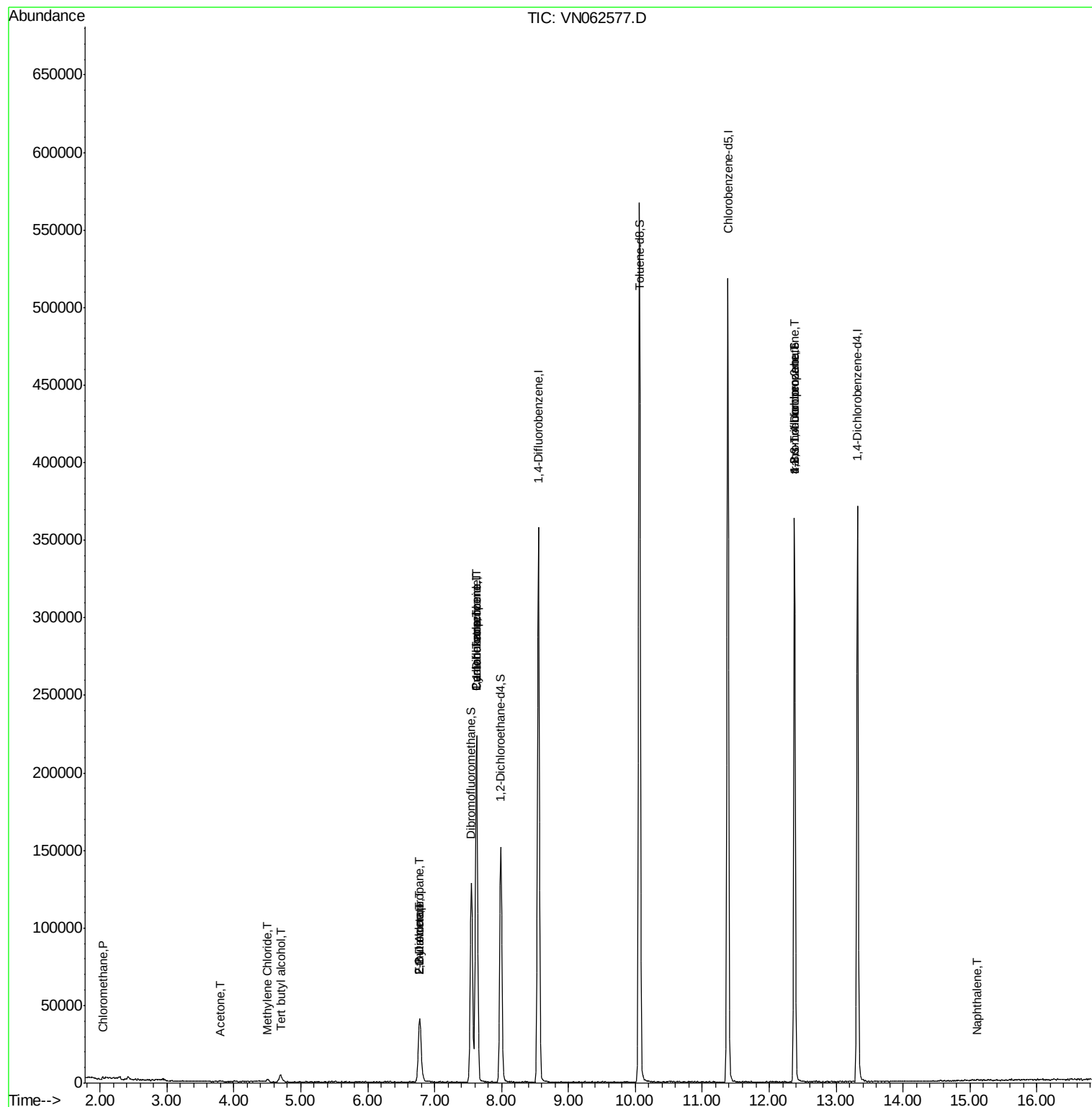
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1088	0.391	ug/l #	87
11) Tert butyl alcohol	4.70	59	4308	10.144	ug/l #	73
16) Acetone	3.79	43	1512	1.505	ug/l #	44
20) Methylene Chloride	4.50	84	690	0.286	ug/l #	88
25) 2-Butanone	6.77	43	2269	1.483	ug/l #	52
26) 2,2-Dichloropropane	6.77	77	3083	0.881	ug/l #	54
31) Cyclohexane	7.62	56	4502	1.144	ug/l #	5
36) 1,1-Dichloropropene	7.62	75	15414	4.774	ug/l #	50
37) Ethyl Acetate	6.77	43	2269	0.652	ug/l #	1
38) Carbon Tetrachloride	7.63	117	17566	5.660	ug/l #	19
76) 1,2,3-Trichloropropane	12.38	75	69228	28.341	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	69228	78.894	ug/l #	12
95) Naphthalene	15.11	128	775	3.929	ug/l #	69

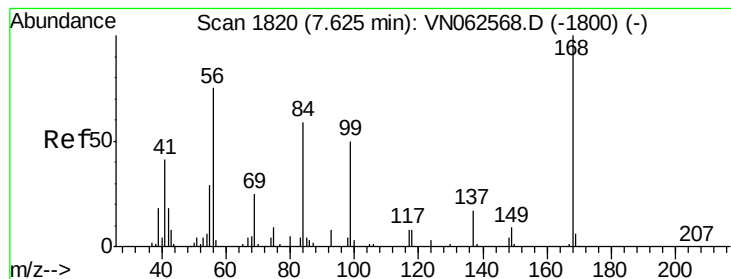
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062577.D

Acq: 21 Jul 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

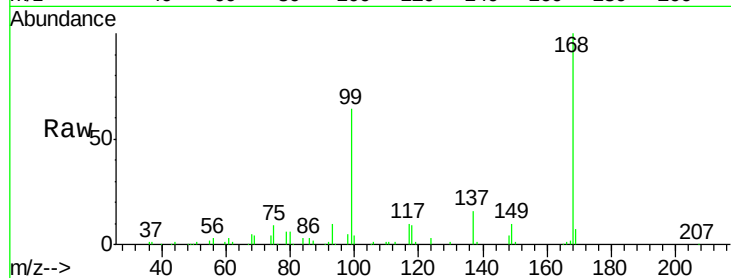
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 171852

Ion Ratio Lower Upper

168 100

99 64.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

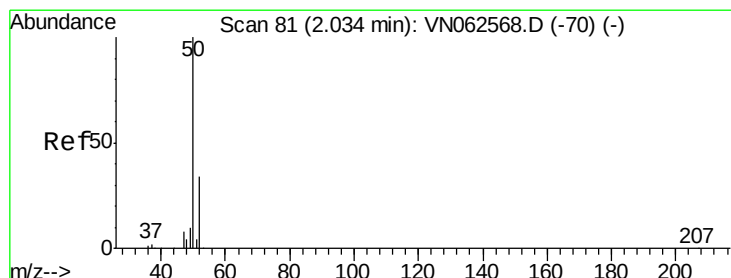
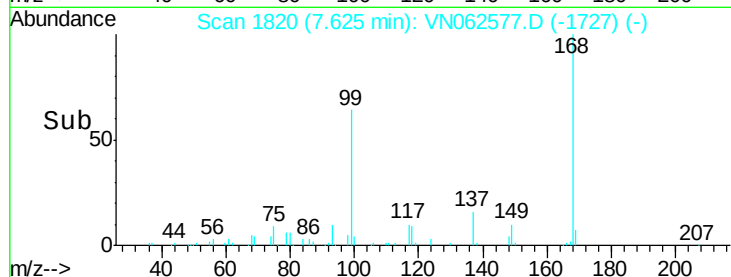
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.391 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062577.D

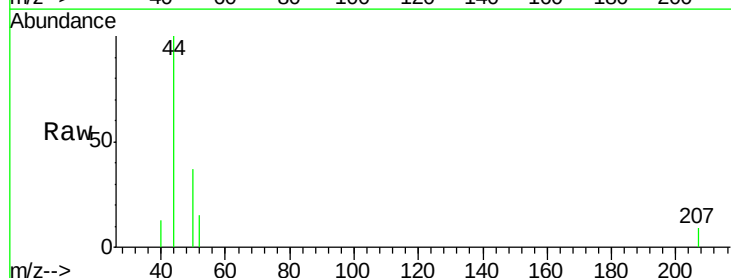
Acq: 21 Jul 2020 17:39

Tgt Ion: 50 Resp: 1088

Ion Ratio Lower Upper

50 100

52 41.1 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

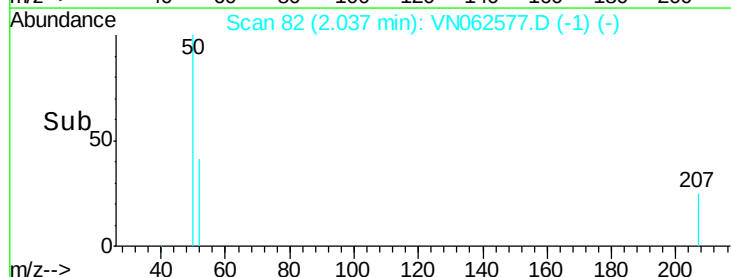
600

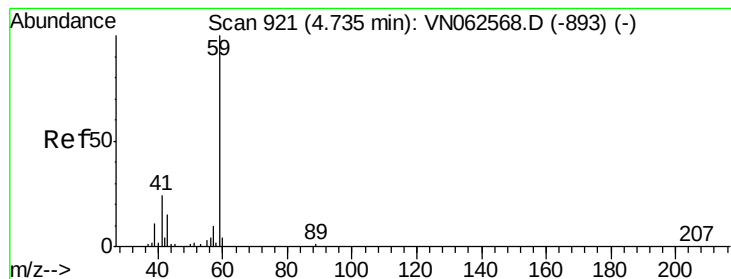
400

200

0

Time--> 2.00 2.02 2.04 2.06





#11

Tert butyl alcohol

Concen: 10.144 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.04 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

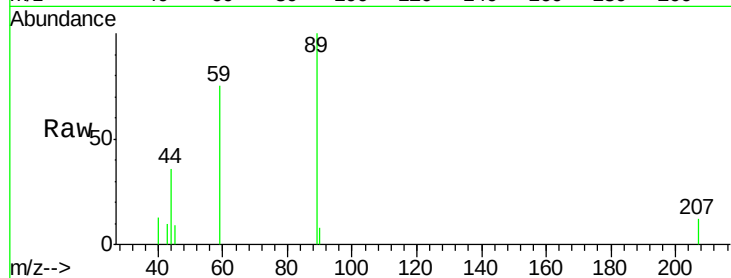
STORAGE-BLANK-WATER-REF-4

Tot Ion: 59 Resp: 4308

Ion Ratio Lower Upper

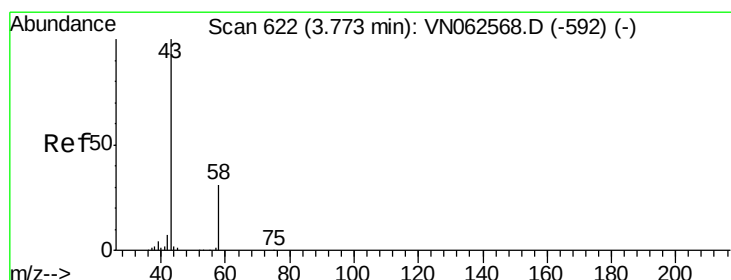
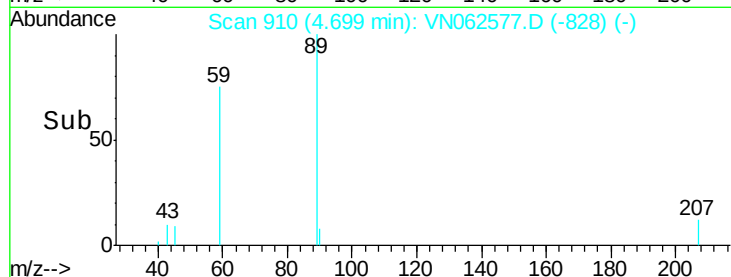
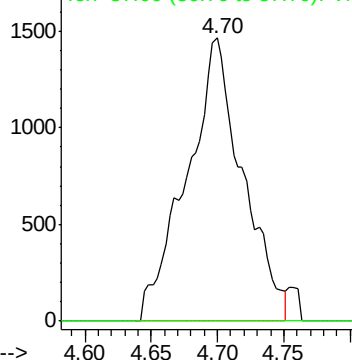
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 1.505 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062577.D

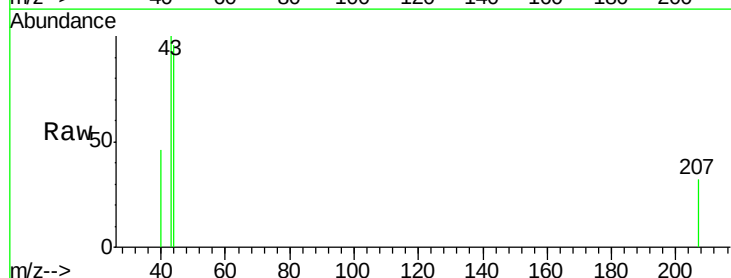
Acq: 21 Jul 2020 17:39

Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

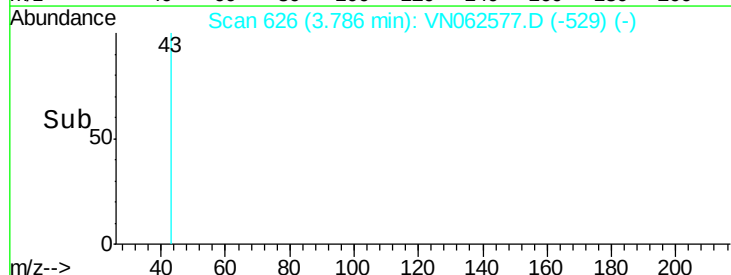
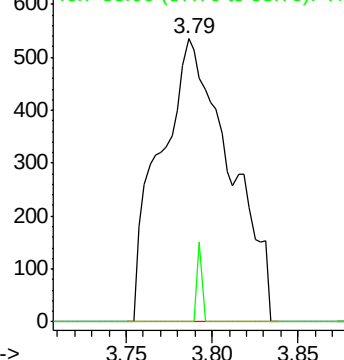
43 100

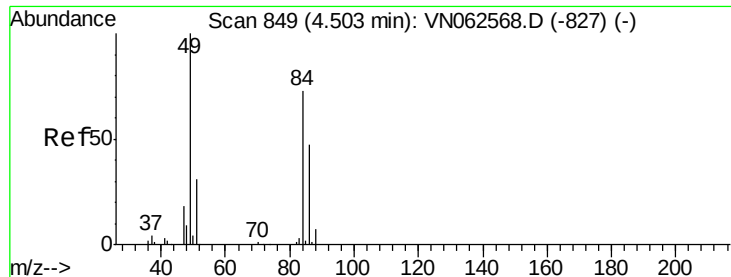
58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

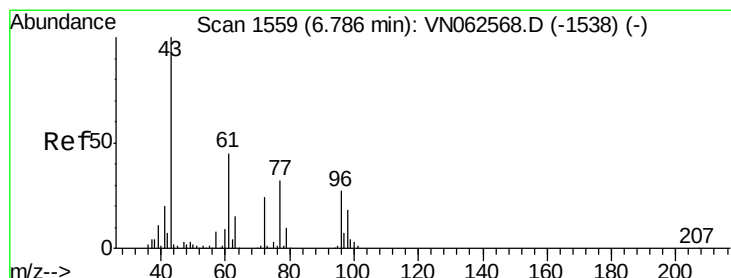
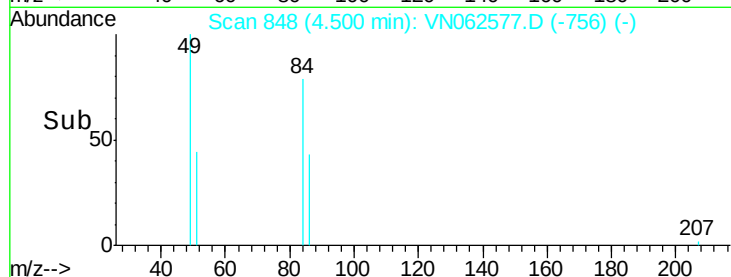
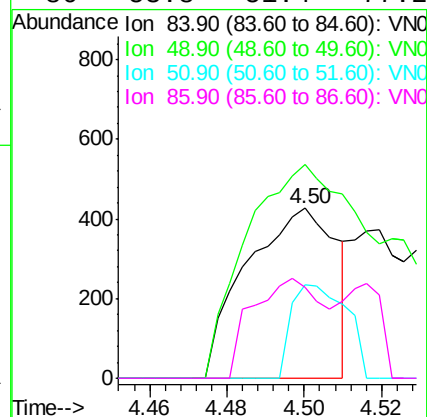
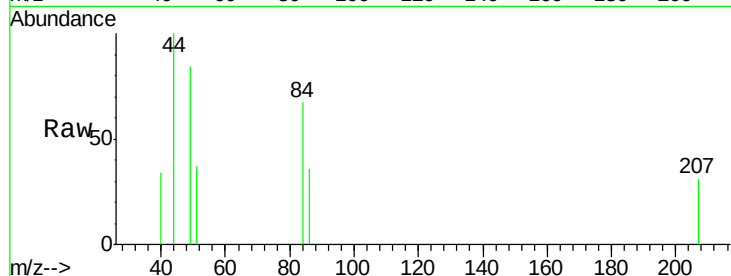




#20
Methvlene Chloride
Concen: 0.286 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062577.D
Acq: 21 Jul 2020 17:39

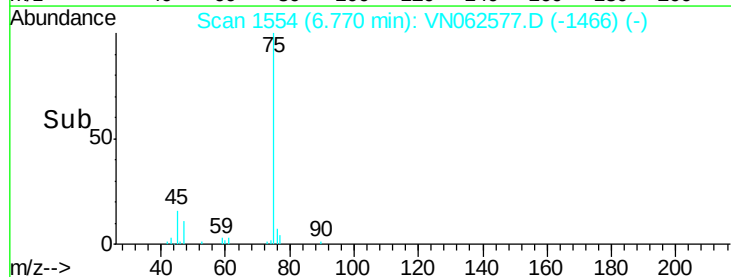
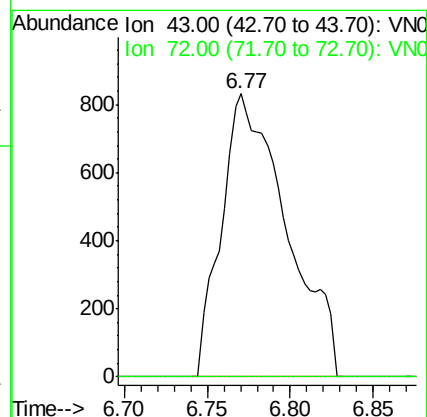
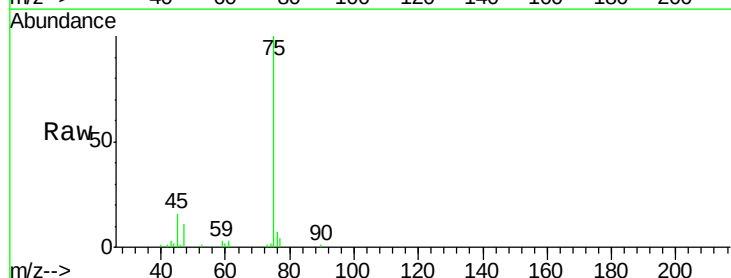
Instrument :
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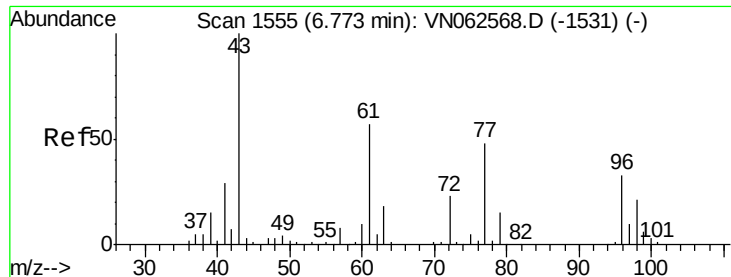
Tot Ion: 84 Resp: 690
Ion Ratio Lower Upper
84 100
49 125.8 109.4 164.0
51 55.2 33.6 50.4#
86 53.8 51.4 77.2



#25
2-Butanone
Concen: 1.483 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.02 min
Lab File: VN062577.D
Acq: 21 Jul 2020 17:39

Tgt Ion: 43 Resp: 2269
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#





#26

2,2-Dichloropropane

Concen: 0.881 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

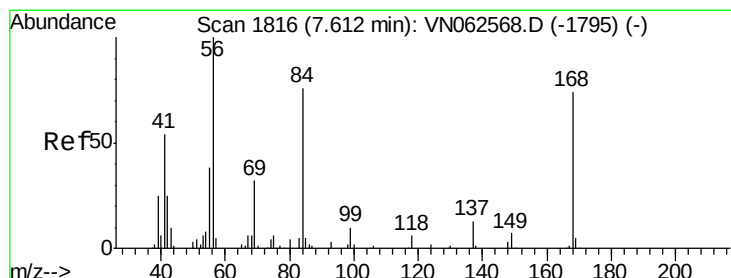
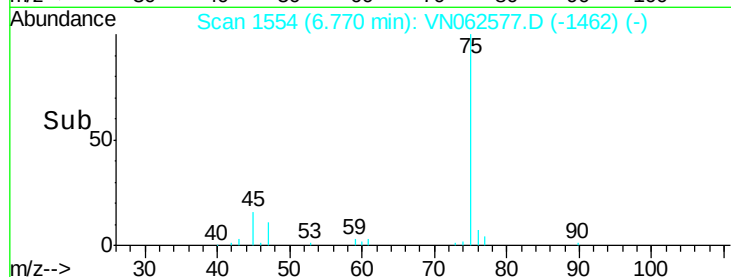
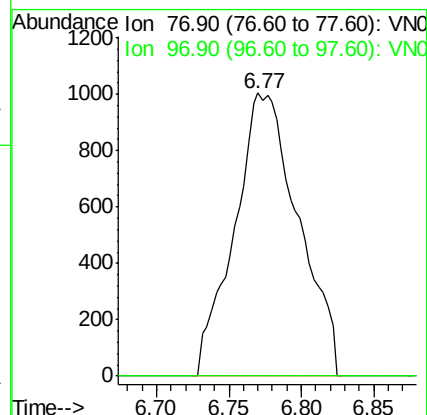
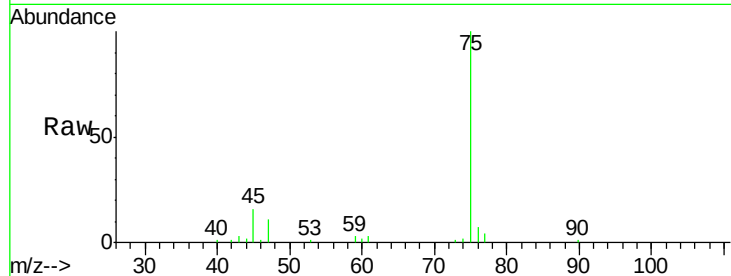
STORAGE-BLANK-WATER-REF-4

Tot Ion: 77 Resp: 3083

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

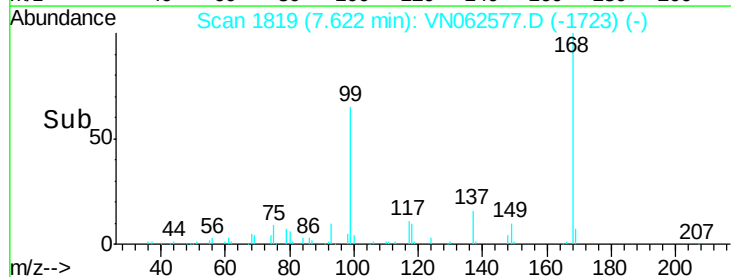
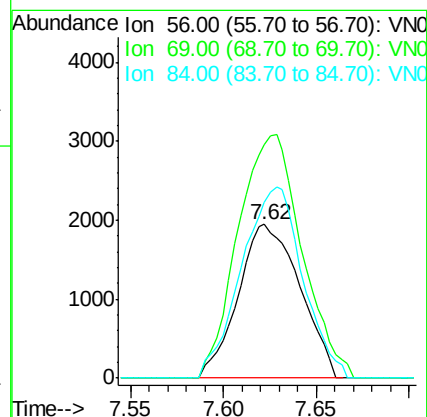
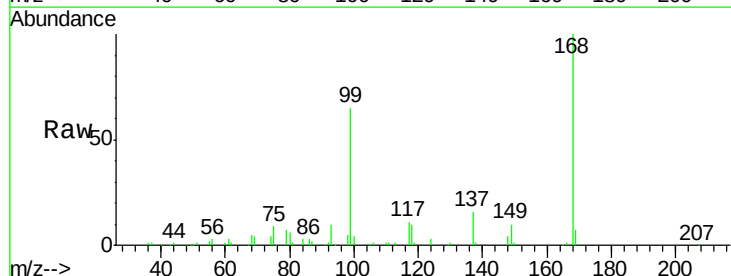
Tgt Ion: 56 Resp: 4502

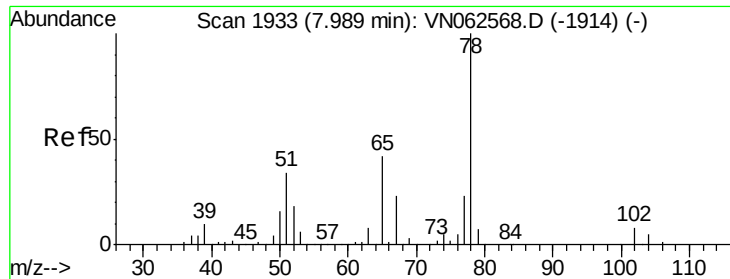
Ion Ratio Lower Upper

56 100

69 151.7 25.3 37.9#

84 114.4 61.0 91.4#

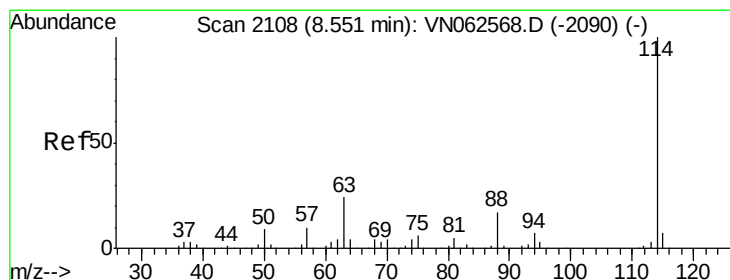
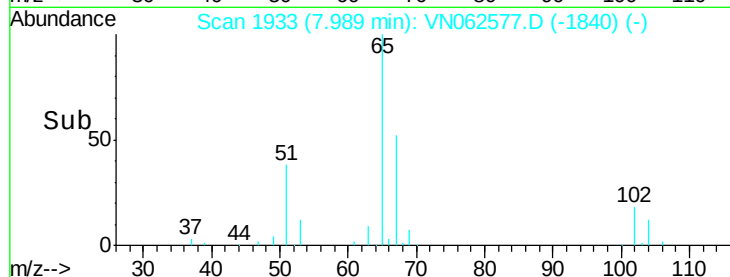
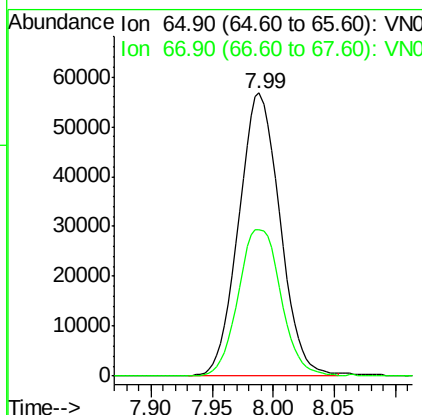
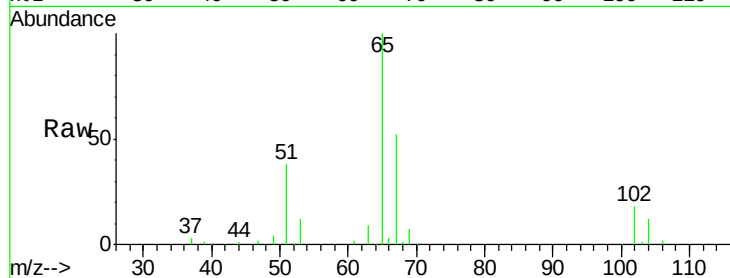




#33
 1,2-Dichloroethane-d4
 Concen: 49.820 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062577.D
 Acq: 21 Jul 2020 17:39

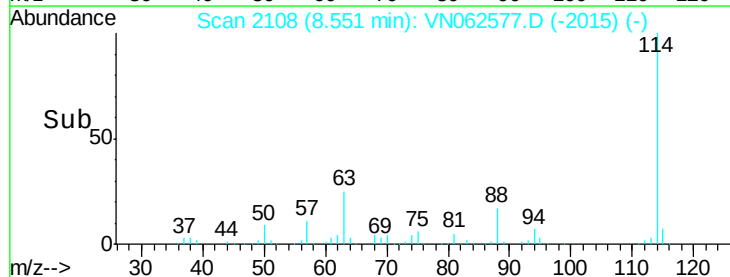
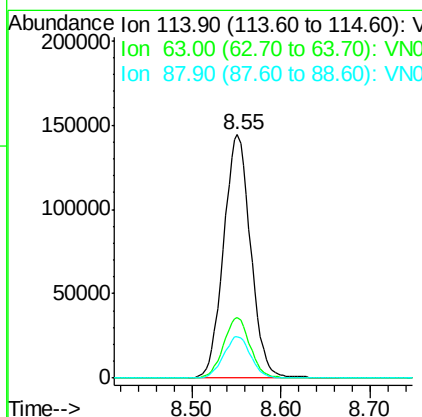
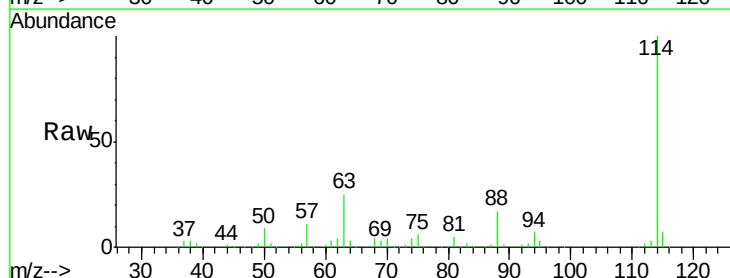
Instrument :
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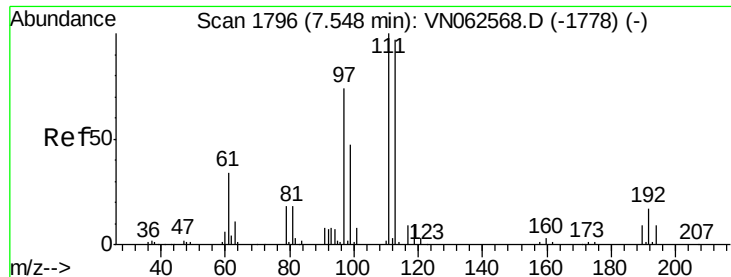
Tot Ion: 65 Resp: 133002
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062577.D
 Acq: 21 Jul 2020 17:39

Tgt Ion: 114 Resp: 302898
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.4
 88 17.1 0.0 33.8

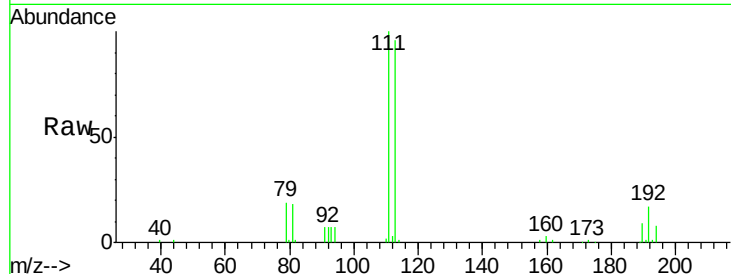




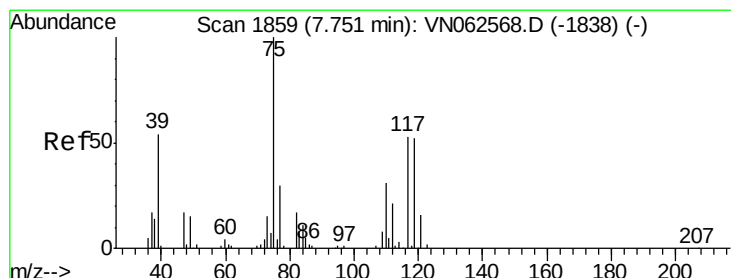
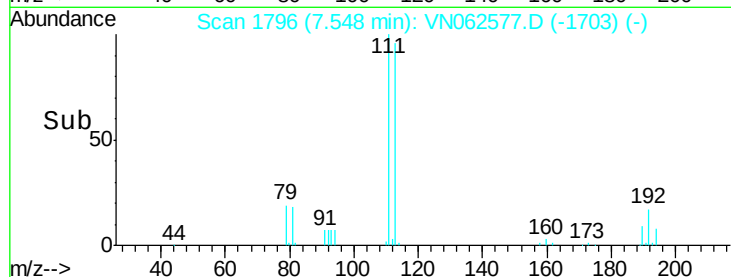
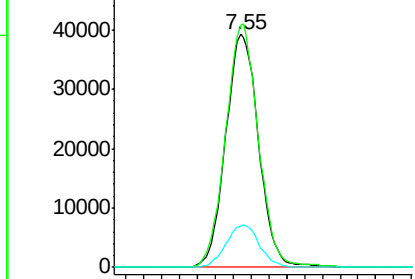
#35
 Dibromofluoromethane
 Concen: 50.450 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062577.D
 Acq: 21 Jul 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tot Ion:113 Resp: 100376
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 18.4 14.8 22.2

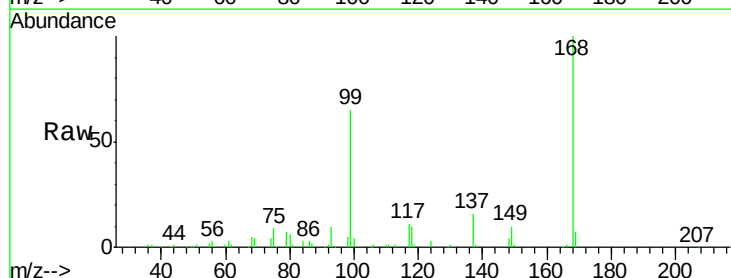


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

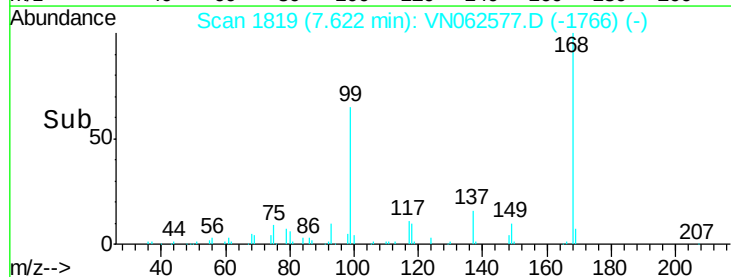
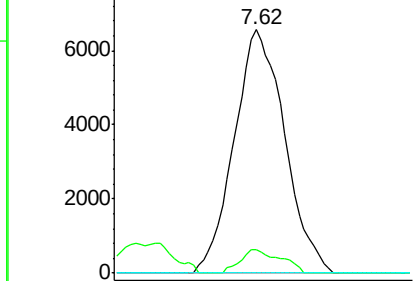


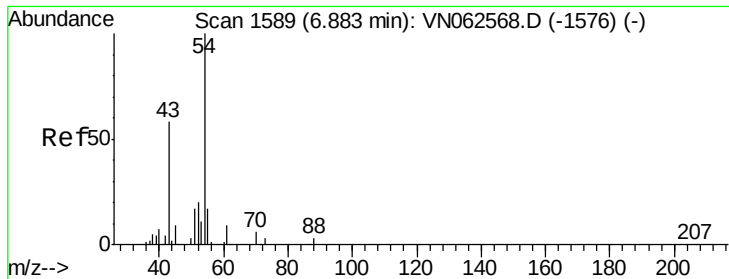
#36
 1,1-Dichloropropene
 Concen: 4.774 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062577.D
 Acq: 21 Jul 2020 17:39

Tgt Ion: 75 Resp: 15414
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.0 48.0#
 77 0.0 24.6 36.8#



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





#37

Ethyl Acetate

Concen: 0.652 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.11 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

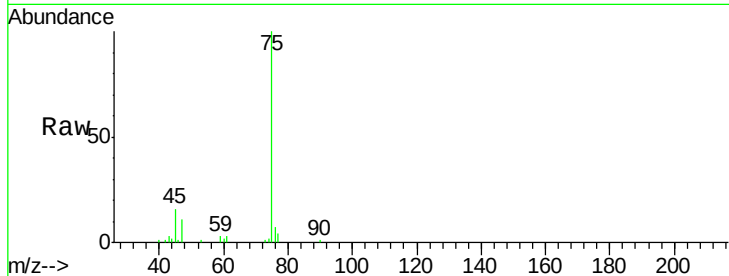
Tot Ion: 43 Resp: 2269

Ion Ratio Lower Upper

43 100

61 97.5 11.3 16.9#

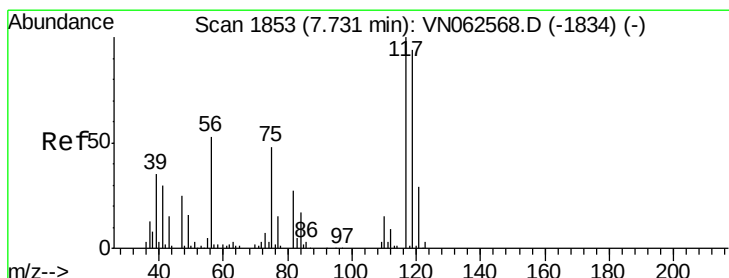
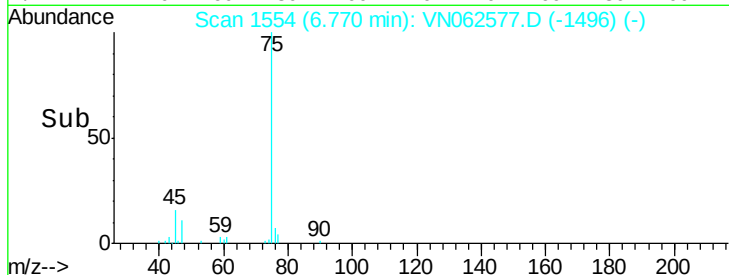
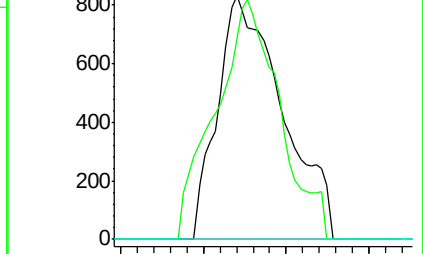
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1576) (-)

Ion 60.90 (60.60 to 61.60): VN062568.D (-1576) (-)

Ion 70.00 (69.70 to 70.70): VN062568.D (-1576) (-)



#38

Carbon Tetrachloride

Concen: 5.660 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

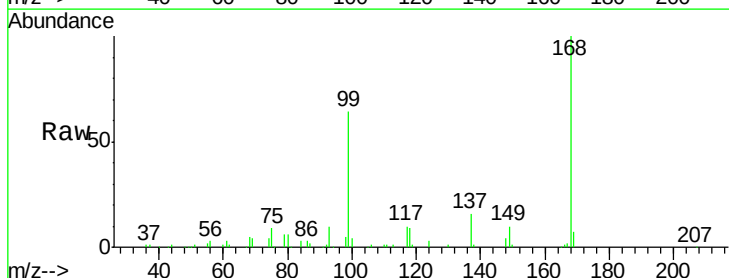
Tgt Ion: 117 Resp: 17566

Ion Ratio Lower Upper

117 100

119 7.1 74.8 112.2#

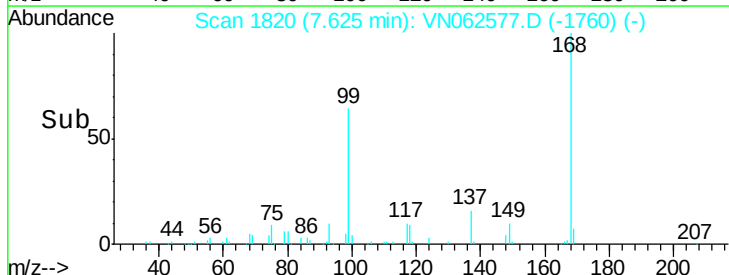
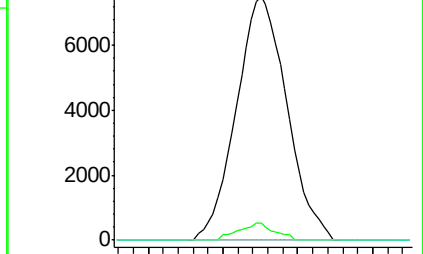
121 0.0 23.0 34.6#

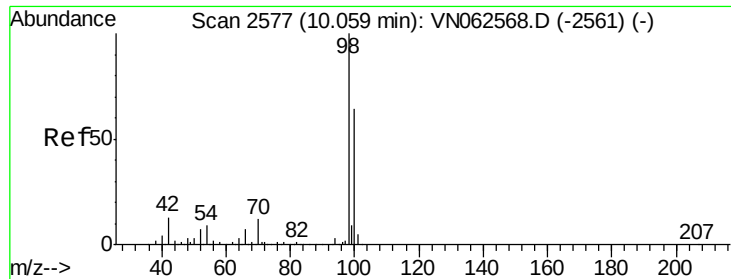


Abundance Ion 116.80 (116.50 to 117.50): VN062568.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN062568.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN062568.D (-1834) (-)





#50

Toluene-d8

Concen: 49.119 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

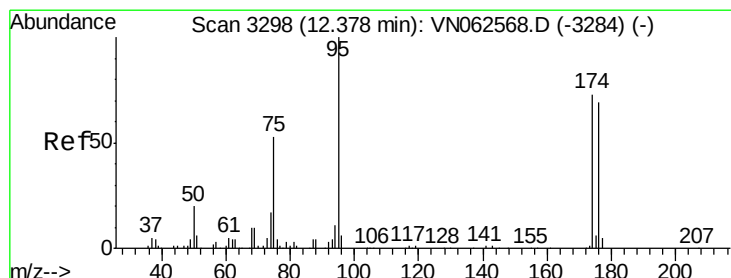
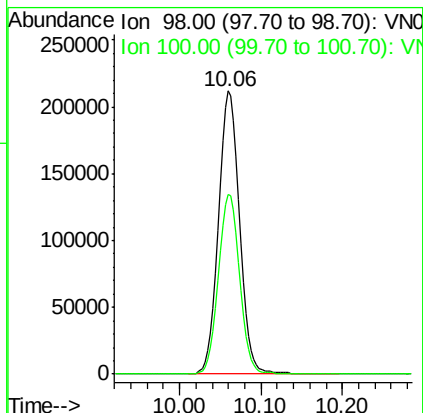
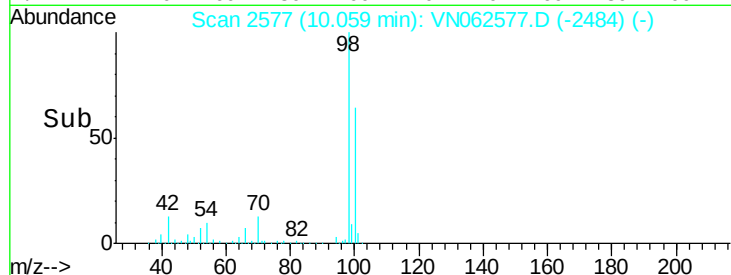
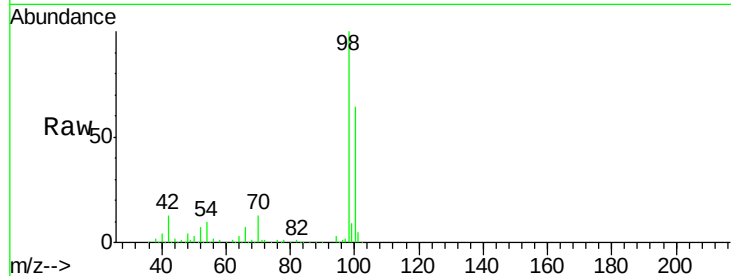
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 389925

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.788 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062577.D

Acq: 21 Jul 2020 17:39

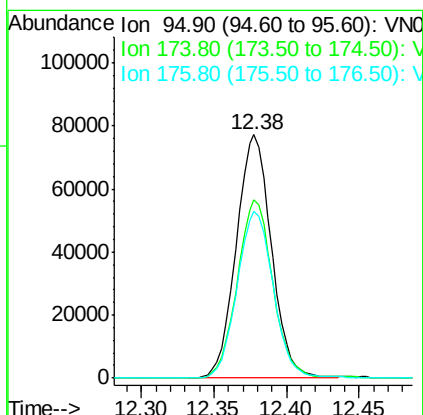
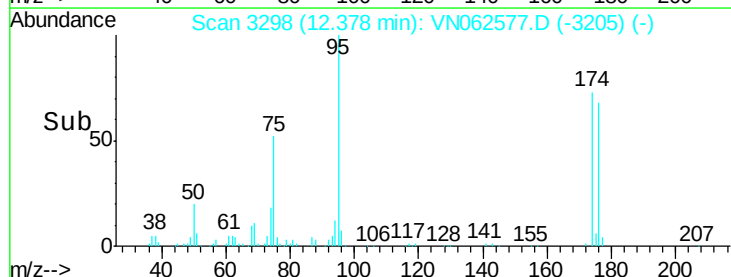
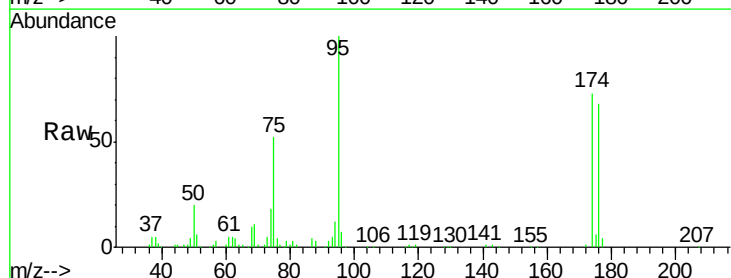
Tgt Ion: 95 Resp: 130001

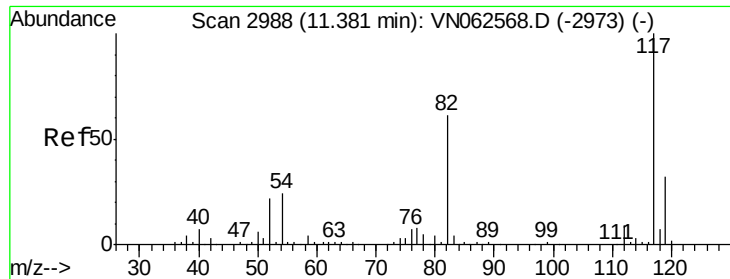
Ion Ratio Lower Upper

95 100

174 74.4 0.0 144.6

176 70.6 0.0 139.4

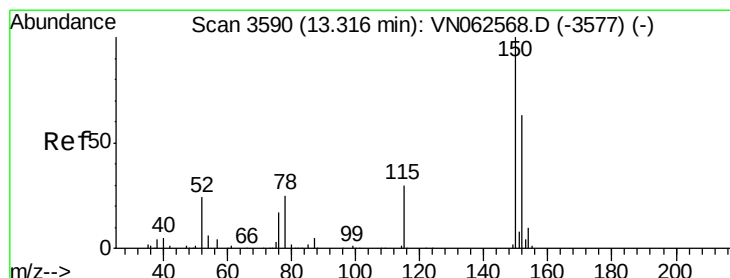
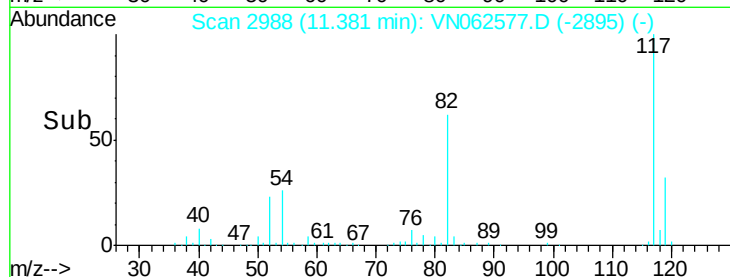
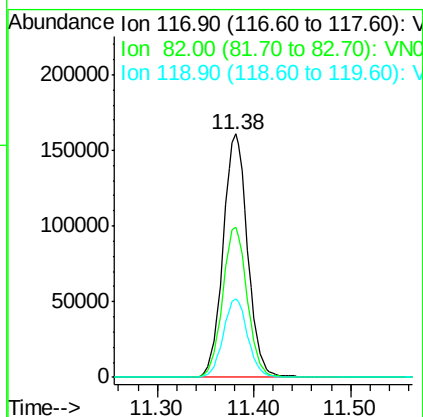
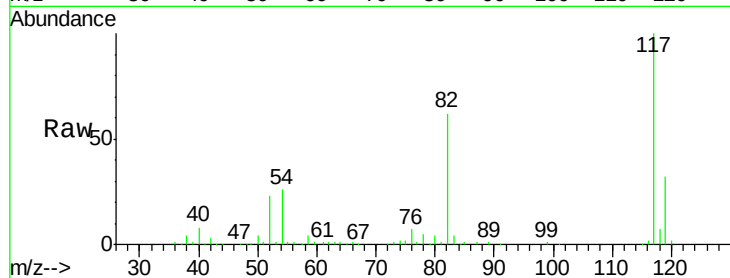




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062577.D
Acq: 21 Jul 2020 17:39

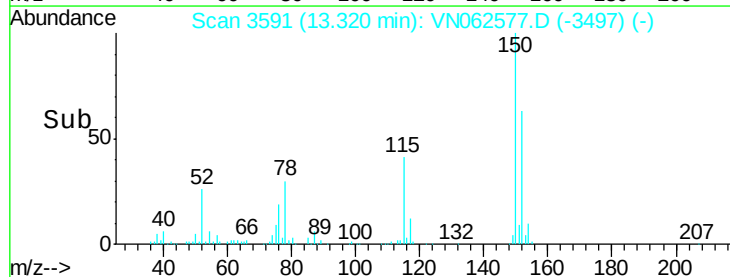
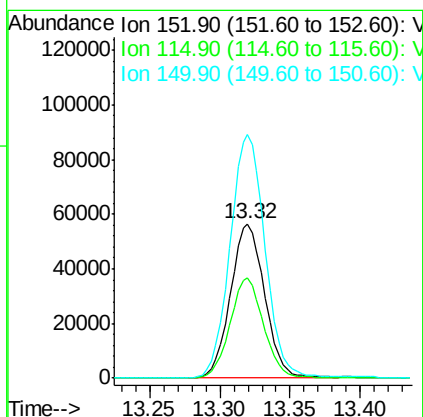
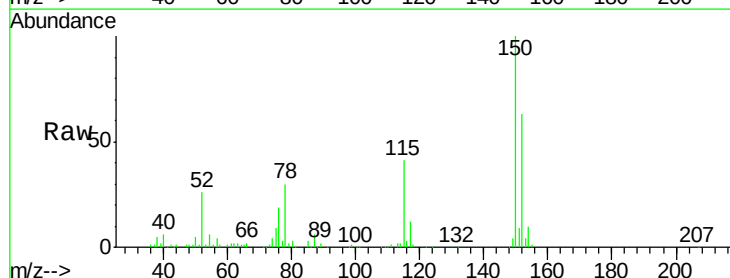
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

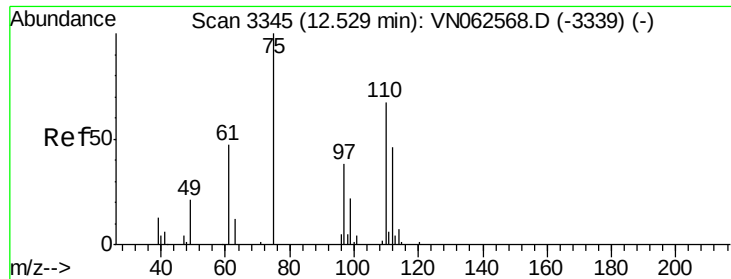
Tot Ion:117 Resp: 282536
Ion Ratio Lower Upper
117 100
82 61.8 49.0 73.6
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062577.D
Acq: 21 Jul 2020 17:39

Tgt Ion:152 Resp: 95967
Ion Ratio Lower Upper
152 100
115 64.0 31.8 95.4
150 161.3 0.0 351.4

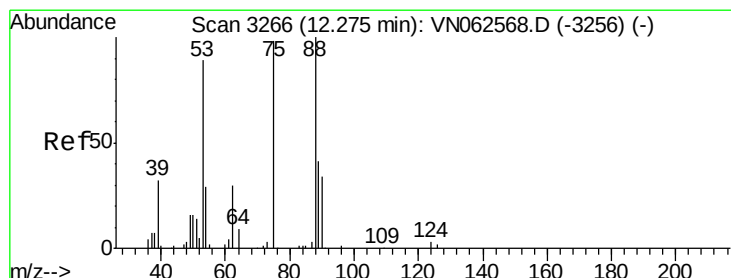
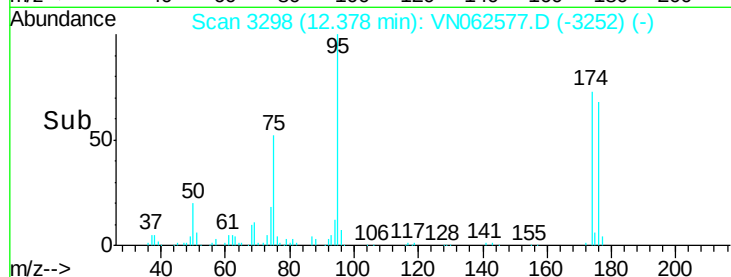
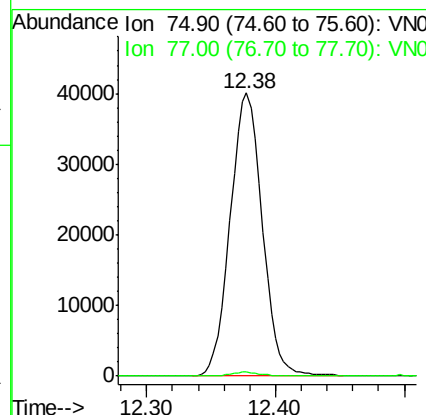
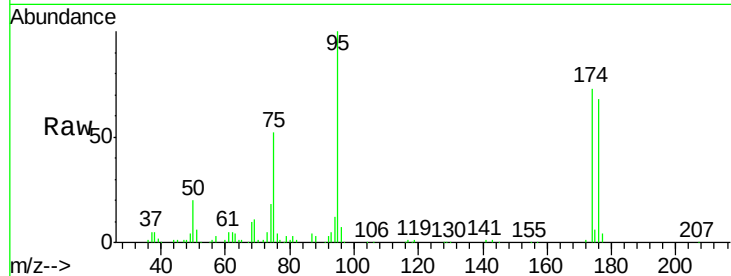




#76
 1,2,3-Trichloropropane
 Concen: 28.341 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062577.D
 Acq: 21 Jul 2020 17:39

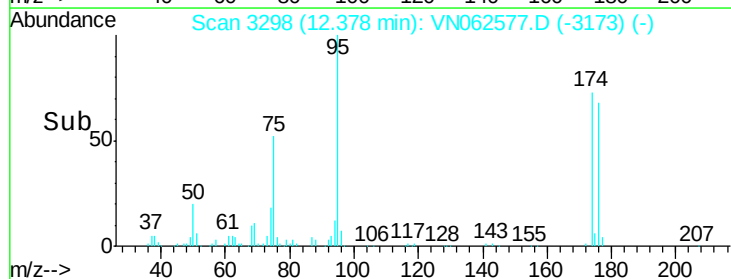
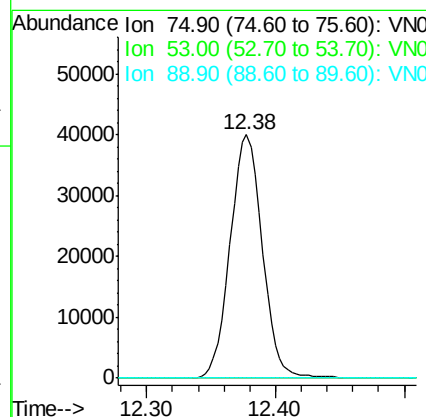
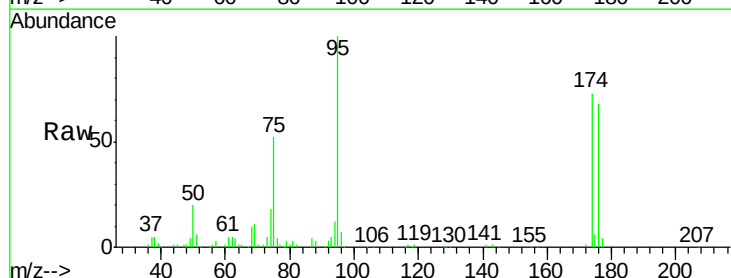
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

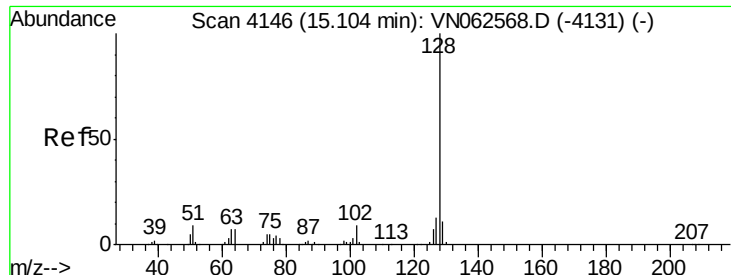
Tot Ion: 75 Resp: 69228
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.894 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062577.D
 Acq: 21 Jul 2020 17:39

Tgt Ion: 75 Resp: 69228
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

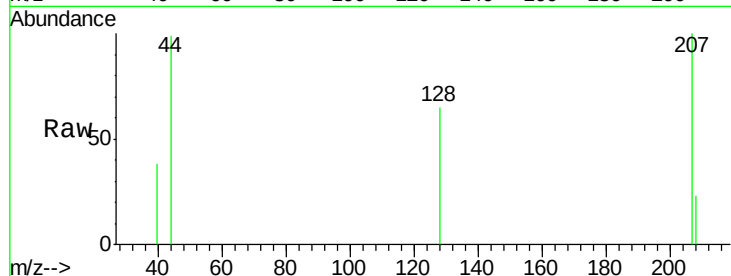




#95
Naphthalene
Concen: 3.929 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062577.D
Acq: 21 Jul 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#



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

