

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062070.D
 Acq On : 24 Jun 2020 18:12
 Operator : JC/MD
 Sample : L3077-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jun 25 04:30:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	210100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	386985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	145031	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	151925	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
35) Dibromofluoromethane	7.55	113	127642	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	10.06	98	506380	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.38	95	167614	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

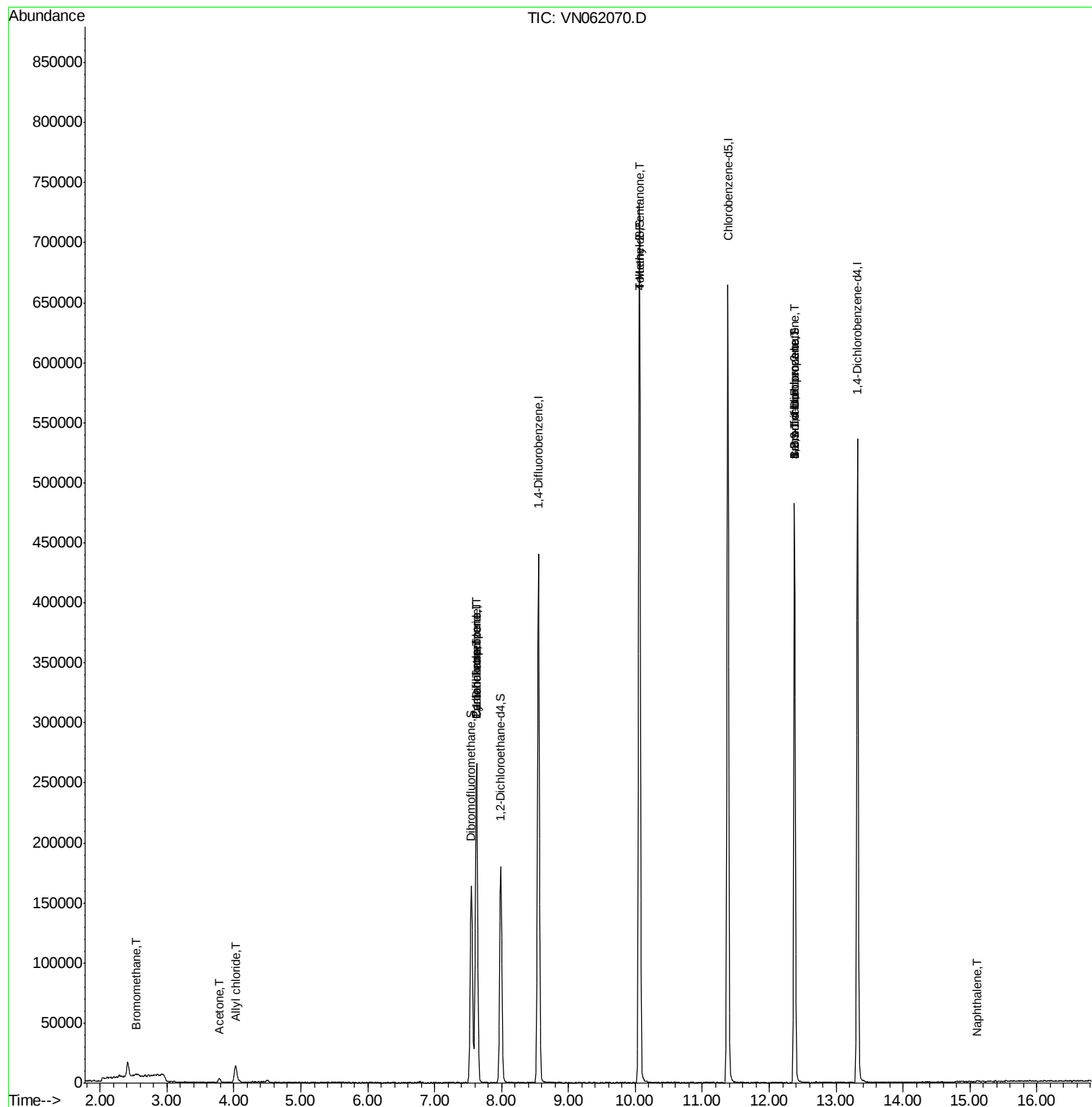
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1820	Below Cal		92
5) Bromomethane	2.54	94	523	0.216	ug/l #	66
14) Allyl chloride	4.02	41	2189	0.666	ug/l #	76
16) Acetone	3.78	43	5392	1.804	ug/l	96
20) Methylene Chloride	4.49	84	377	Below Cal	#	70
31) Cyclohexane	7.63	56	5128	1.259	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	9988	2.488	ug/l #	53
38) Carbon Tetrachloride	7.63	117	20829	5.504	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	2189	0.691	ug/l #	1
71) Bromoform	12.38	173	1408	0.674	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	84177	24.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	84177	72.003	ug/l #	13
95) Naphthalene	15.12	128	386	4.046	ug/l #	69

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

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Quant Time: Jun 25 04:30:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
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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: VN062070.D

Acq: 24 Jun 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

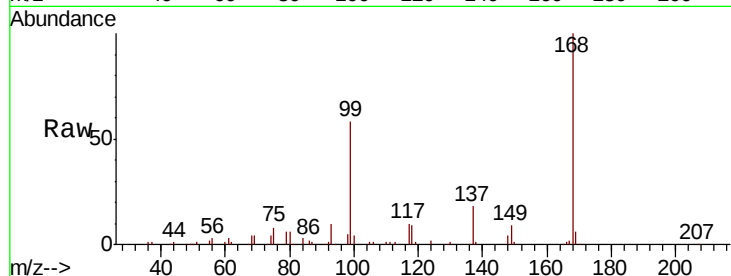
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 210100

Ion Ratio Lower Upper

168 100

99 58.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

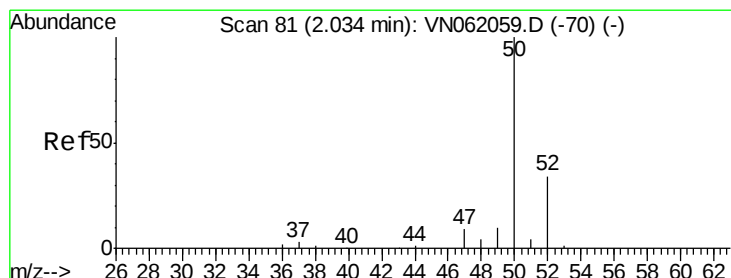
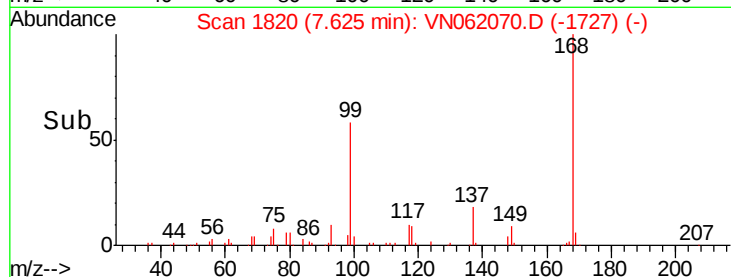
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062070.D

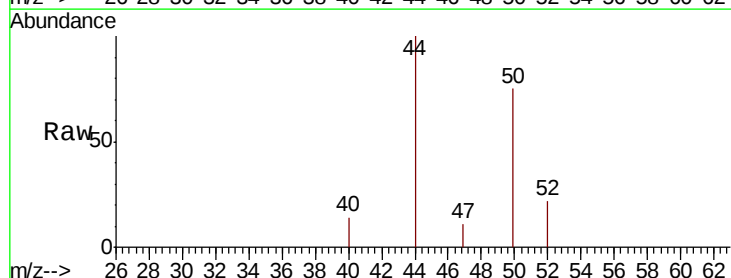
Acq: 24 Jun 2020 18:12

Tgt Ion: 50 Resp: 1820

Ion Ratio Lower Upper

50 100

52 29.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

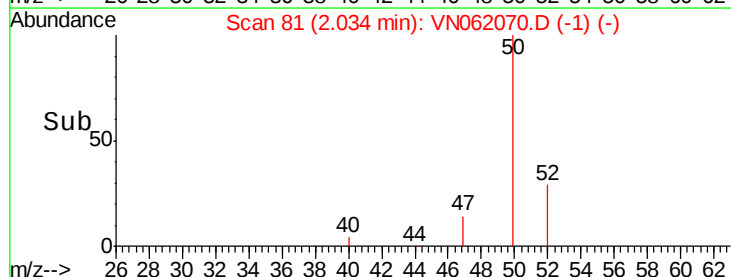
1500

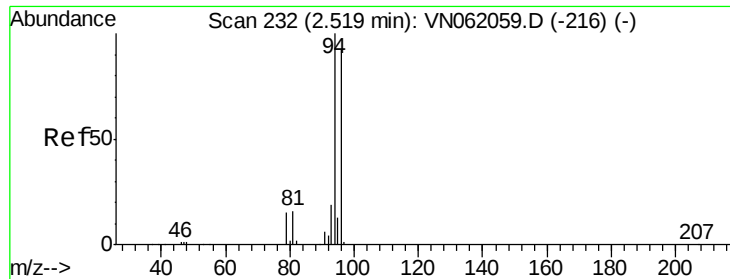
1000

500

0

Time--> 2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: 0.216 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.02 min

Lab File: VN062070.D

Acq: 24 Jun 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

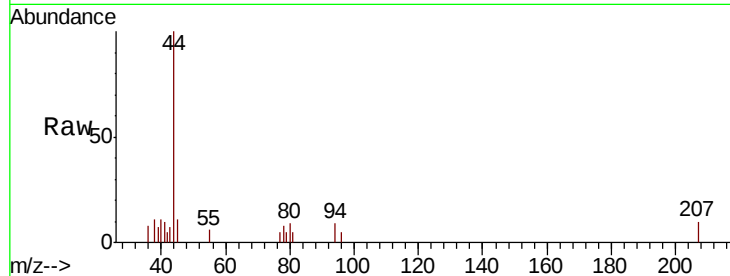
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 523

Ion Ratio Lower Upper

94 100

96 59.4 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

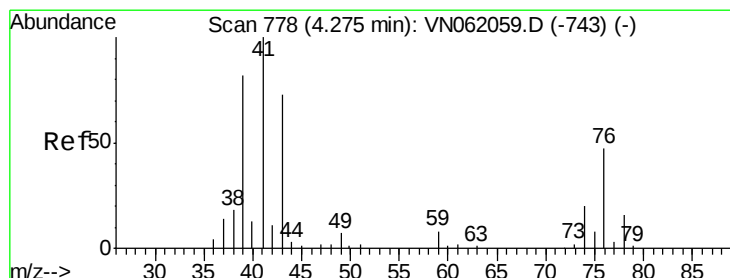
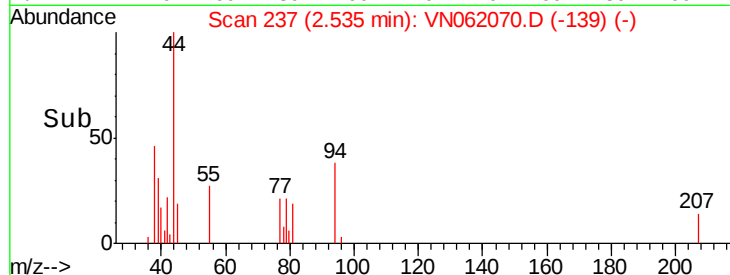
300

200

100

0

Time-->



#14

Allyl chloride

Concen: 0.666 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.25 min

Lab File: VN062070.D

Acq: 24 Jun 2020 18:12

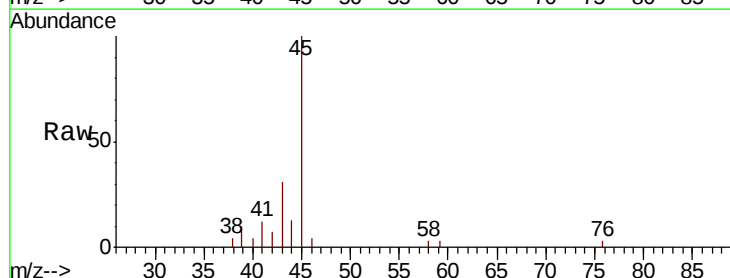
Tgt Ion: 41 Resp: 2189

Ion Ratio Lower Upper

41 100

39 106.6 60.0 90.0#

76 42.8 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

1200

1000

800

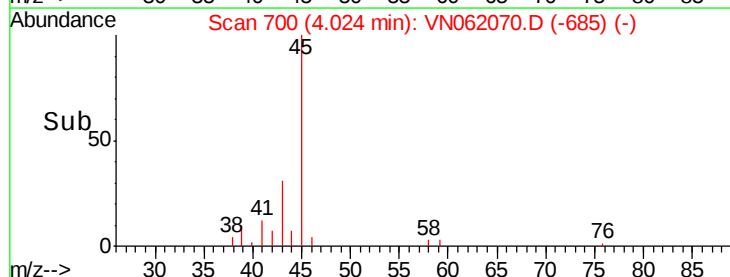
600

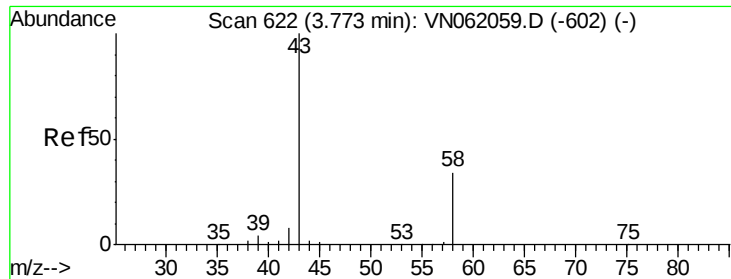
400

200

0

Time-->





#16

Acetone

Concen: 1.804 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062070.D

Acq: 24 Jun 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

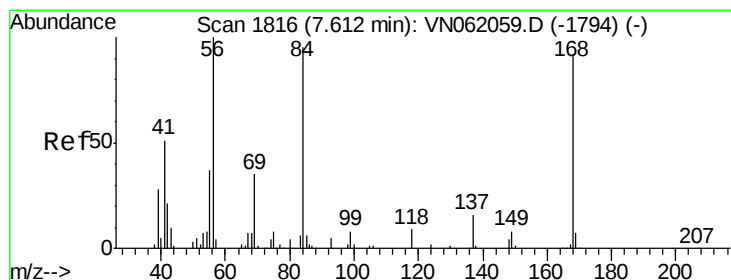
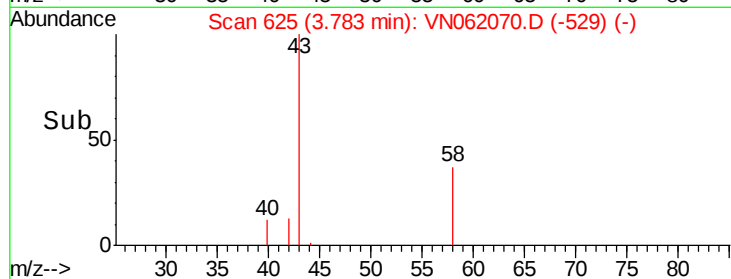
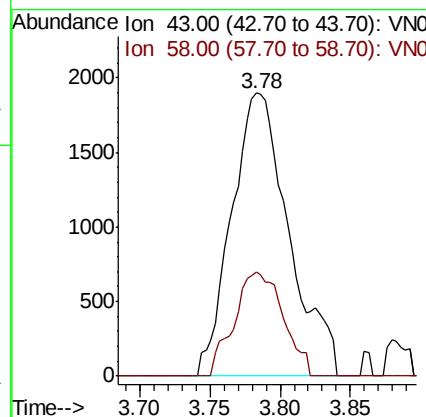
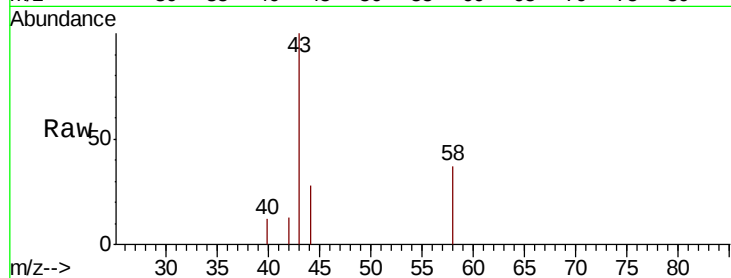
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 5392

Ion Ratio Lower Upper

43 100

58 36.7 27.5 41.3



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062070.D

Acq: 24 Jun 2020 18:12

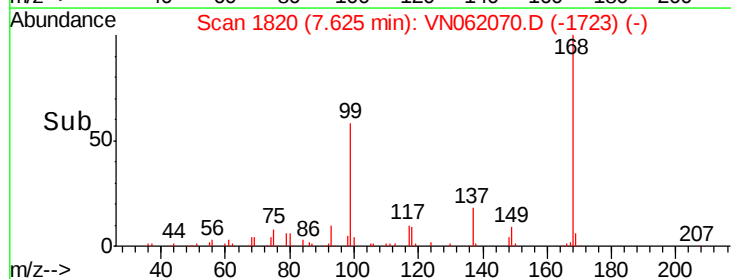
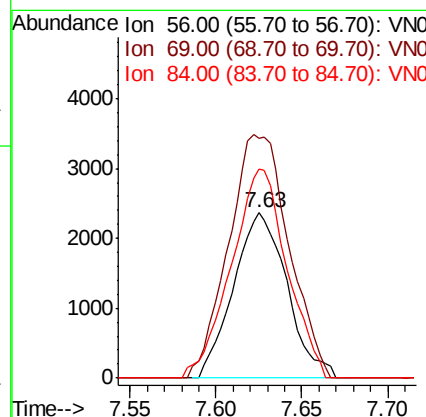
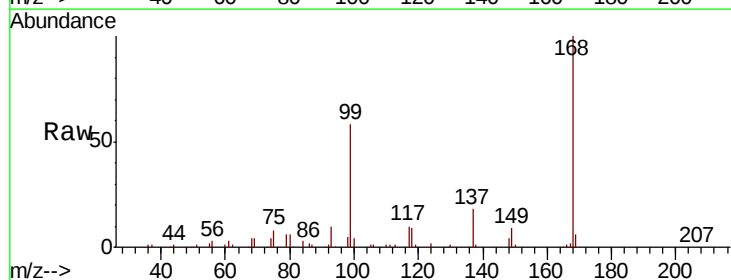
Tgt Ion: 56 Resp: 5128

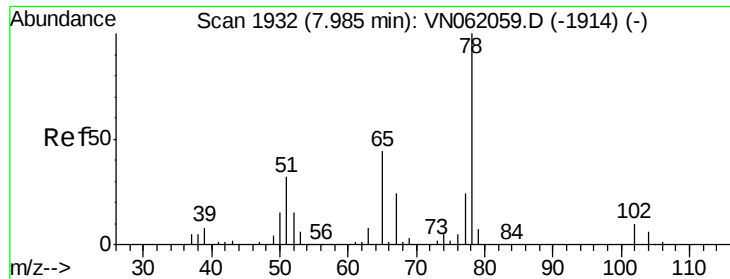
Ion Ratio Lower Upper

56 100

69 145.5 28.0 42.0#

84 126.9 76.1 114.1#

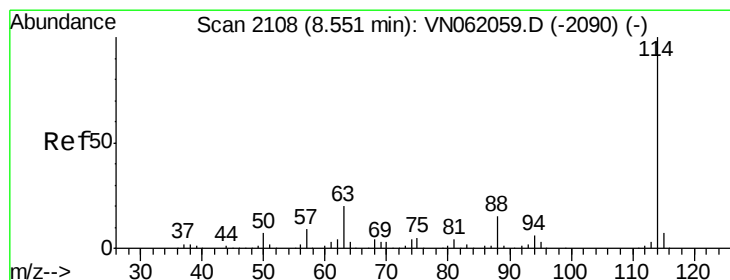
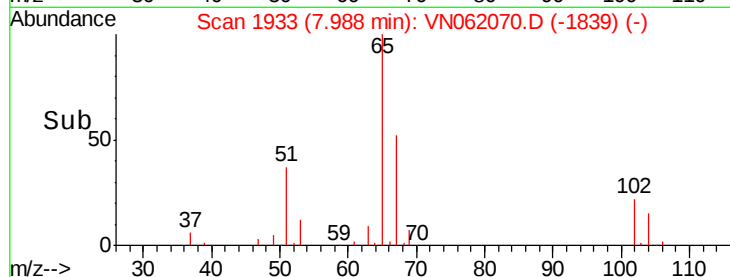
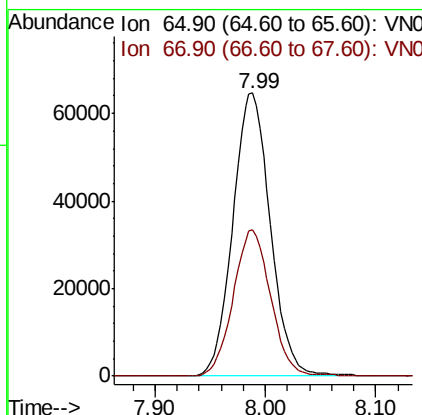
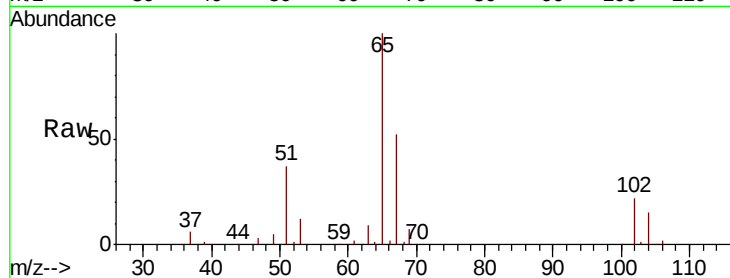




#33
 1,2-Dichloroethane-d4
 Concen: 51.528 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062070.D
 Acq: 24 Jun 2020 18:12

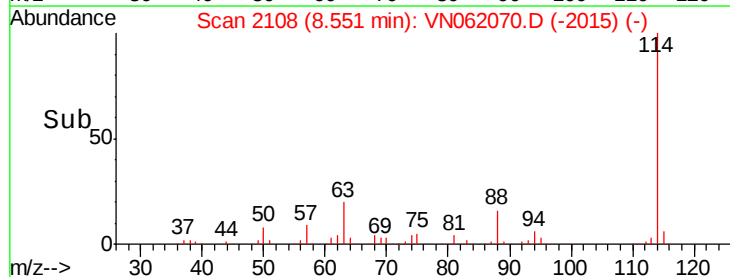
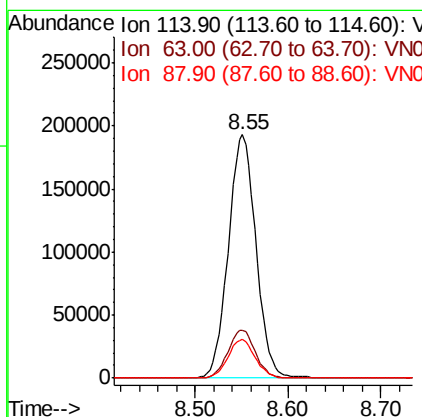
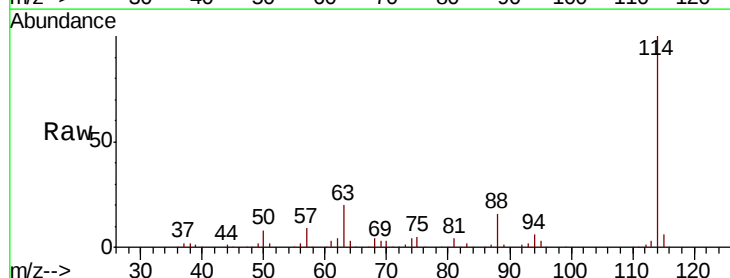
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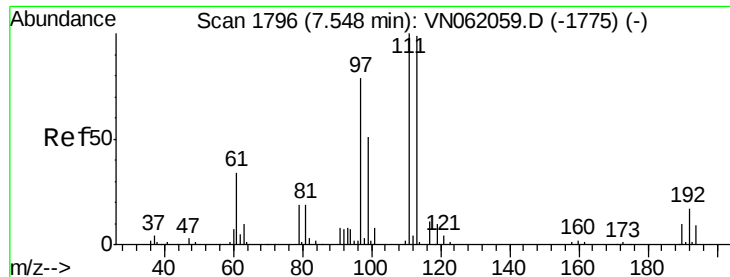
Tot Ion: 65 Resp: 151925
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062070.D
 Acq: 24 Jun 2020 18:12

Tgt Ion: 114 Resp: 399346
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.7 0.0 30.8

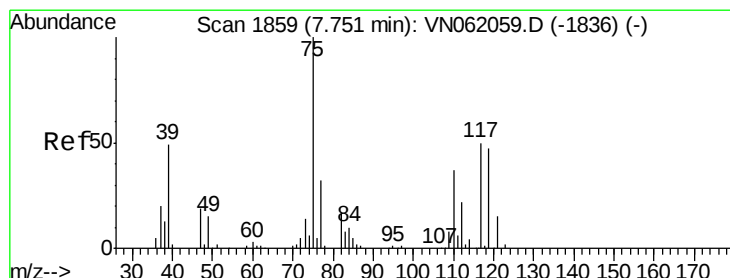
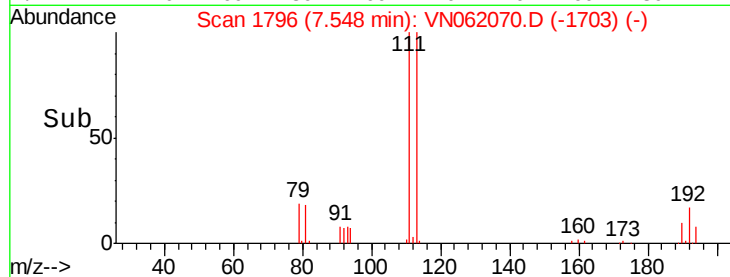
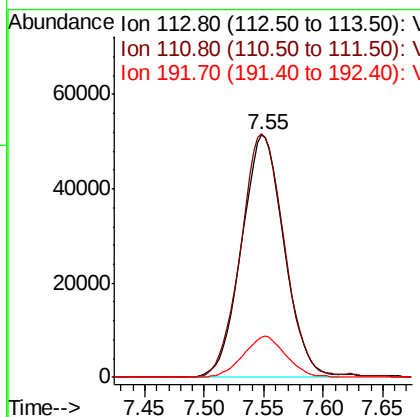
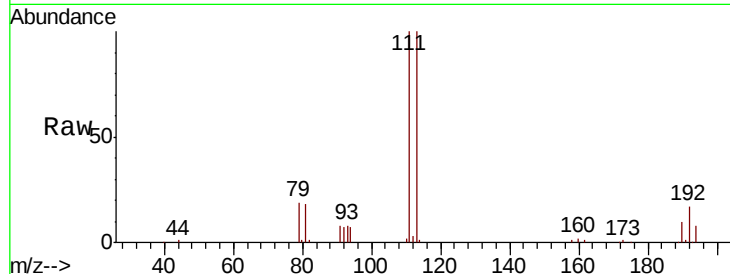




#35
 Dibromofluoromethane
 Concen: 49.821 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062070.D
 Acq: 24 Jun 2020 18:12

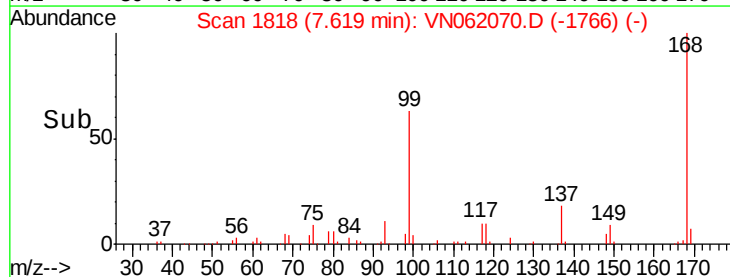
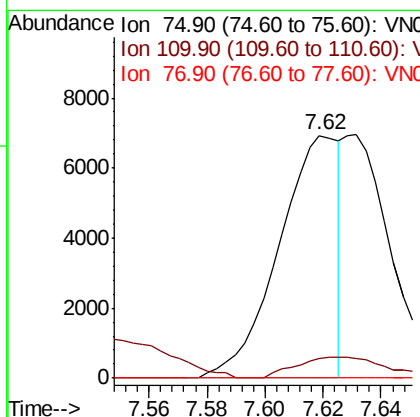
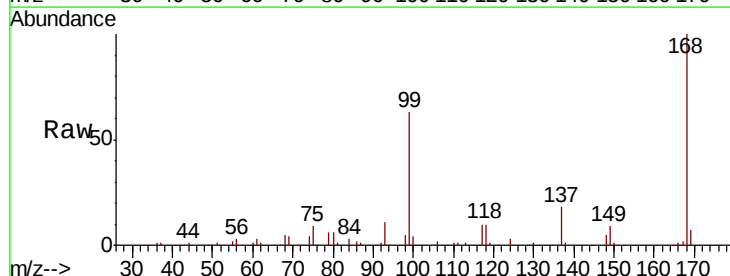
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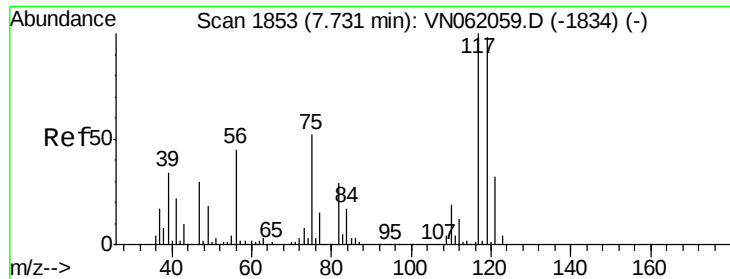
Tot Ion:113 Resp: 127642
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 16.9 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 2.488 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN062070.D
 Acq: 24 Jun 2020 18:12

Tgt Ion: 75 Resp: 9988
 Ion Ratio Lower Upper
 75 100
 110 12.9 17.9 53.8#
 77 0.0 24.9 37.3#

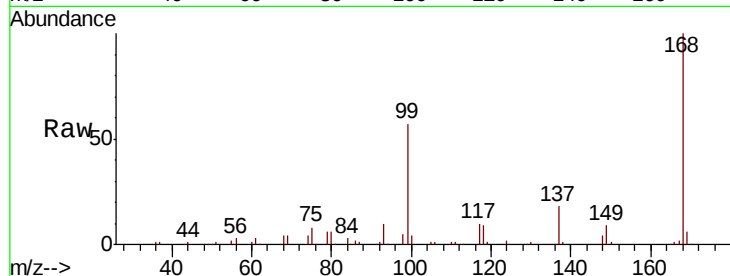




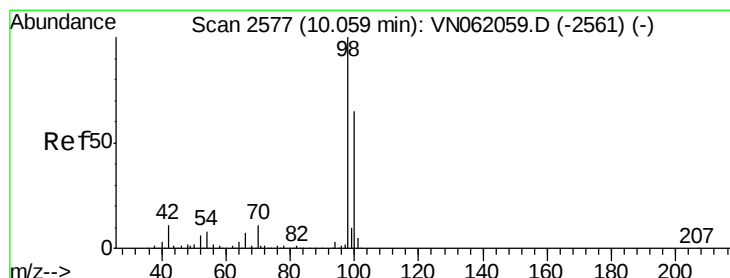
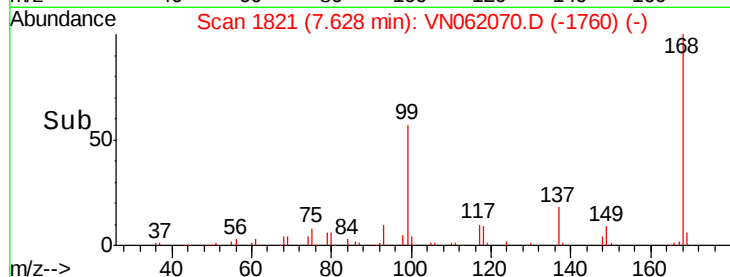
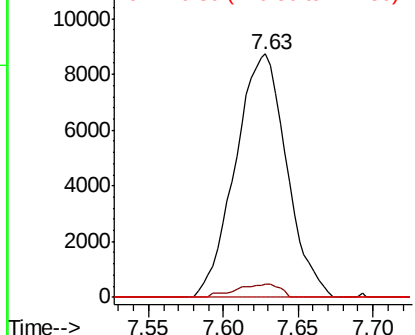
#38
Carbon Tetrachloride
Concen: 5.504 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062070.D
Acq: 24 Jun 2020 18:12

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

Tot Ion:117 Resp: 20829
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 25.8 38.6#

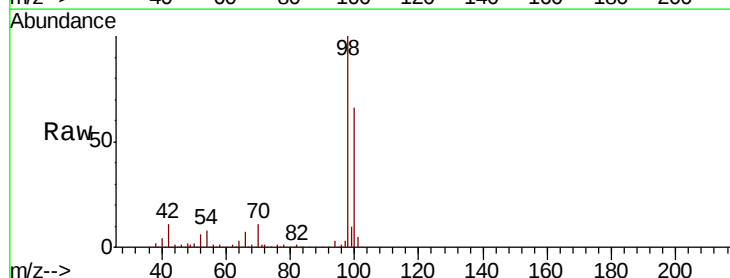


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

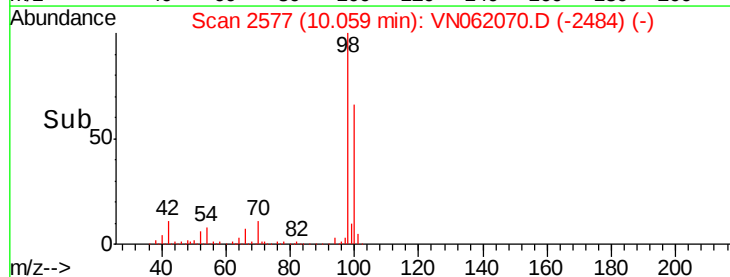
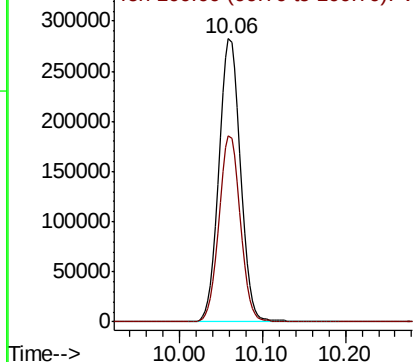


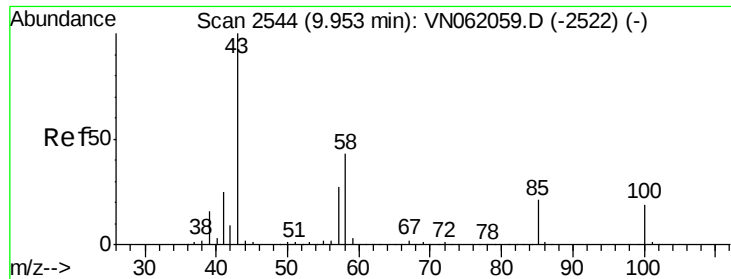
#50
Toluene-d8
Concen: 49.446 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062070.D
Acq: 24 Jun 2020 18:12

Tgt Ion: 98 Resp: 506380
Ion Ratio Lower Upper
98 100
100 65.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

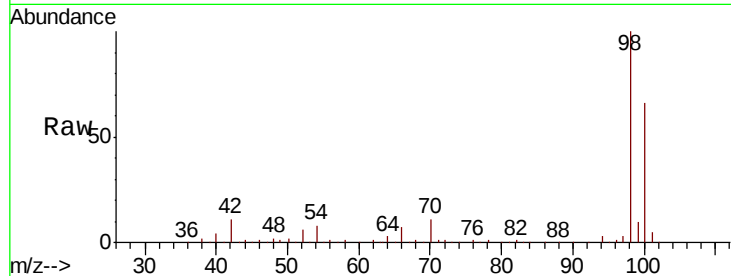




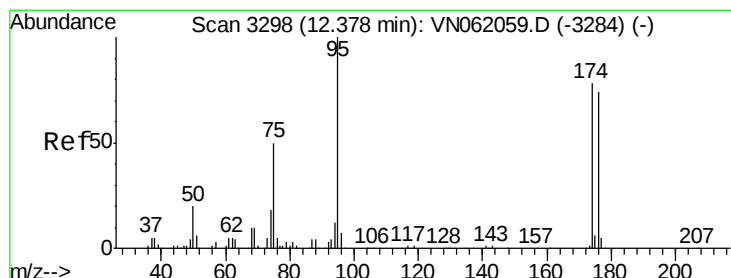
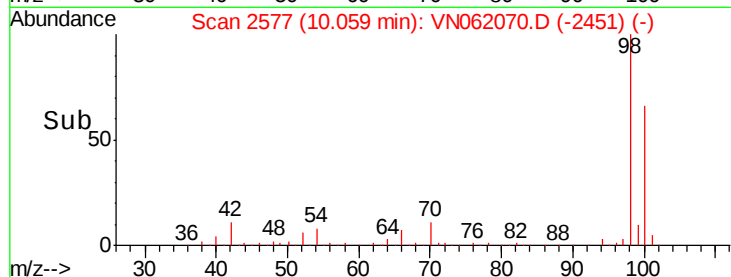
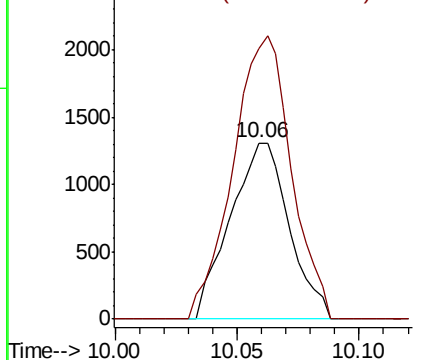
#51
4-Methyl-2-Pentanone
Concen: 0.691 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN062070.D
Acq: 24 Jun 2020 18:12

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

Tot Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
58 159.3 34.2 51.2#

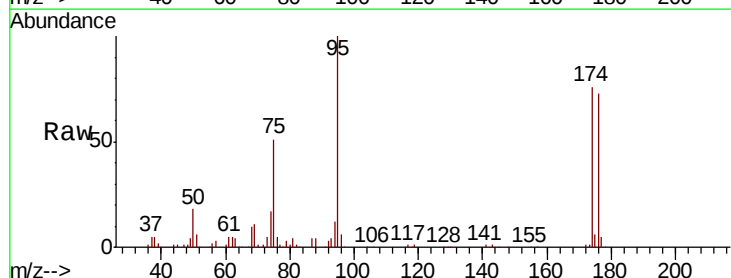


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

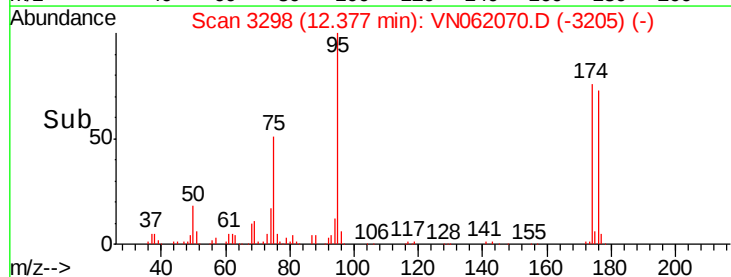
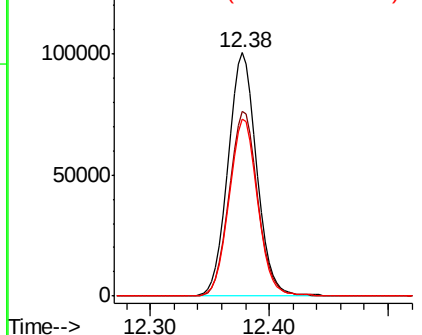


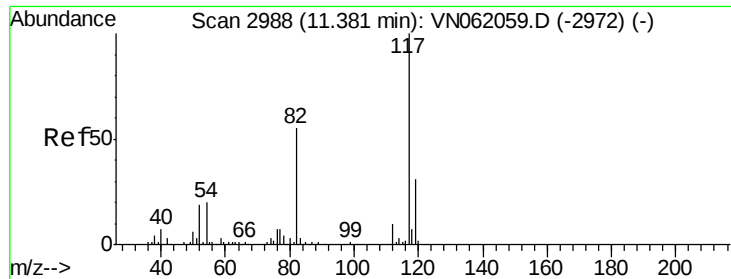
#62
4-Bromofluorobenzene
Concen: 48.443 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062070.D
Acq: 24 Jun 2020 18:12

Tgt Ion: 95 Resp: 167614
Ion Ratio Lower Upper
95 100
174 75.8 0.0 154.8
176 72.6 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

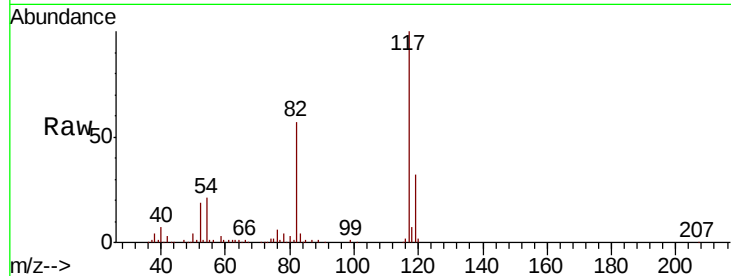




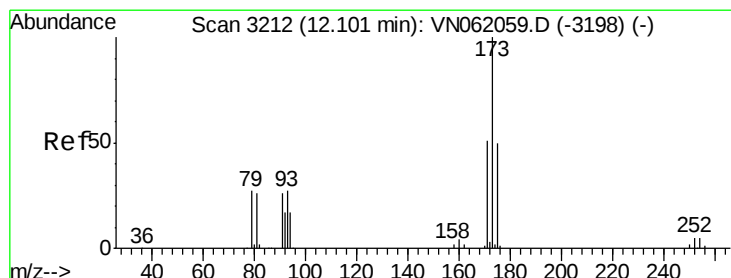
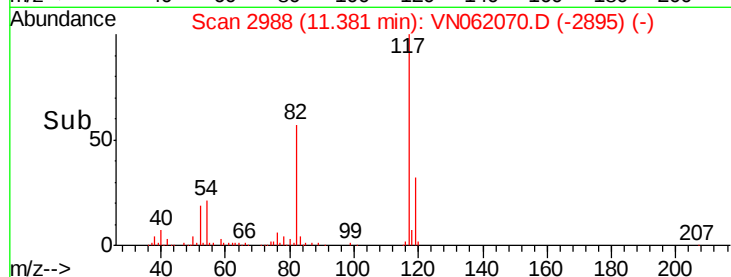
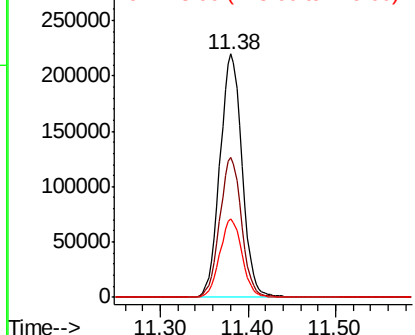
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062070.D
Acq: 24 Jun 2020 18:12

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

Tot Ion:117 Resp: 386985
Ion Ratio Lower Upper
117 100
82 57.3 43.8 65.8
119 32.0 25.2 37.8

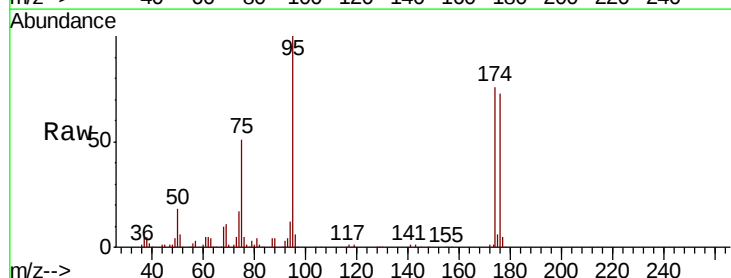


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

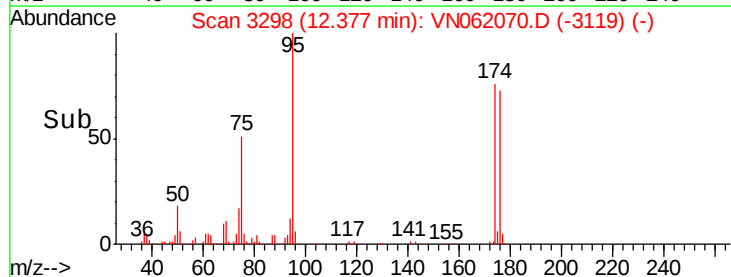
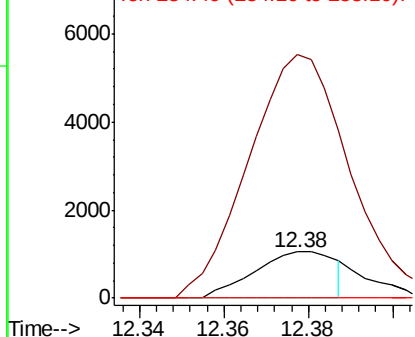


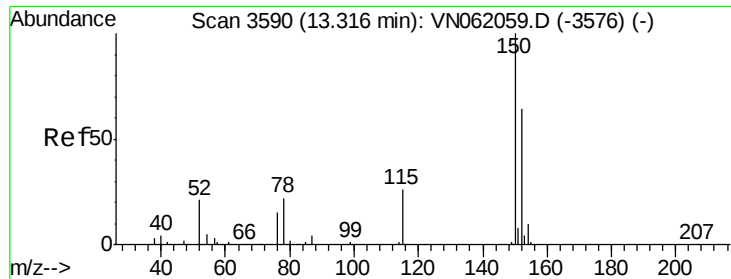
#71
Bromoform
Concen: 0.674 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062070.D
Acq: 24 Jun 2020 18:12

Tgt Ion:173 Resp: 1408
Ion Ratio Lower Upper
173 100
175 541.8 24.7 74.1#
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: VN062070.D

Acq: 24 Jun 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

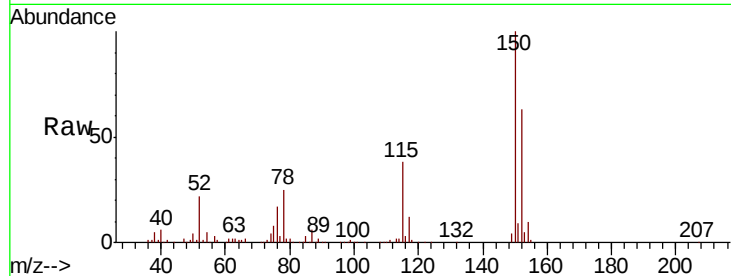
Tot Ion:152 Resp: 145031

Ion Ratio Lower Upper

152 100

115 59.4 29.5 88.5

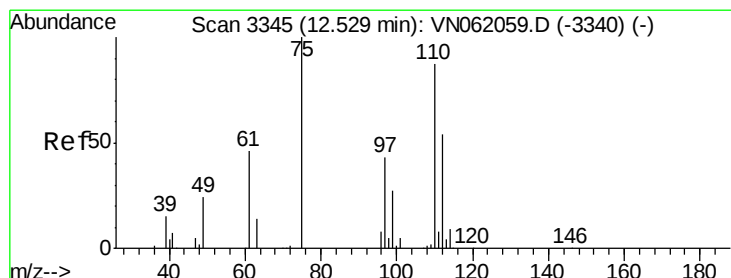
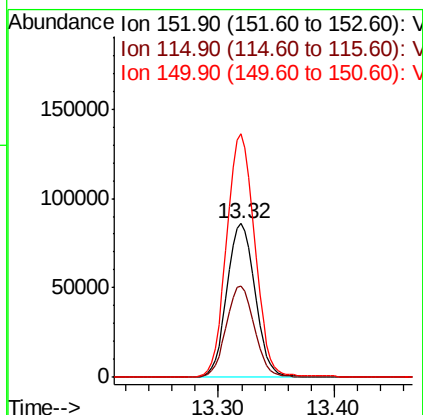
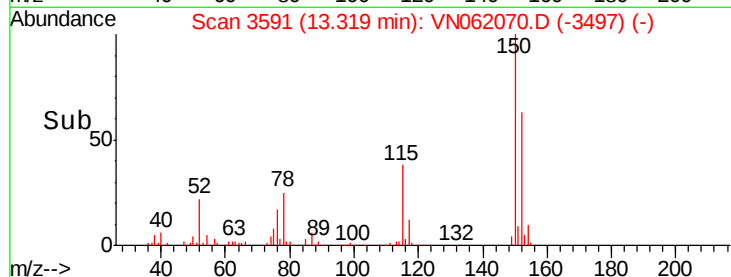
150 157.6 0.0 351.4



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: 24.655 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062070.D

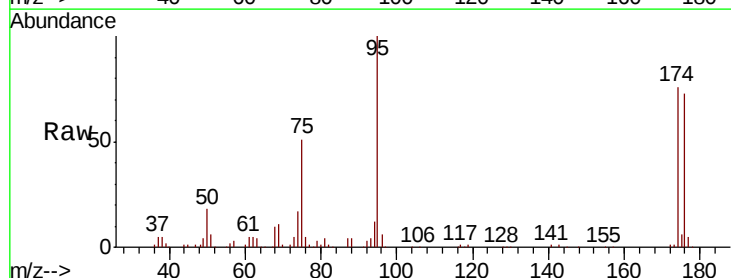
Acq: 24 Jun 2020 18:12

Tgt Ion: 75 Resp: 84177

Ion Ratio Lower Upper

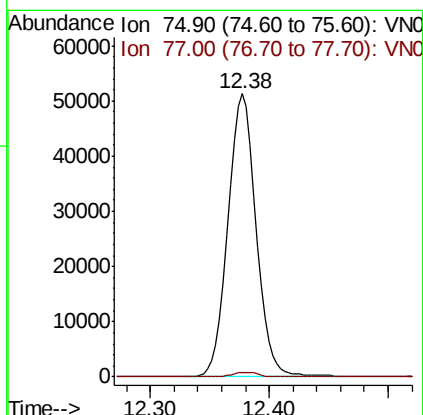
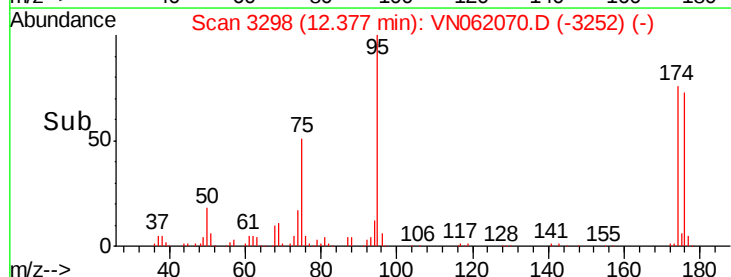
75 100

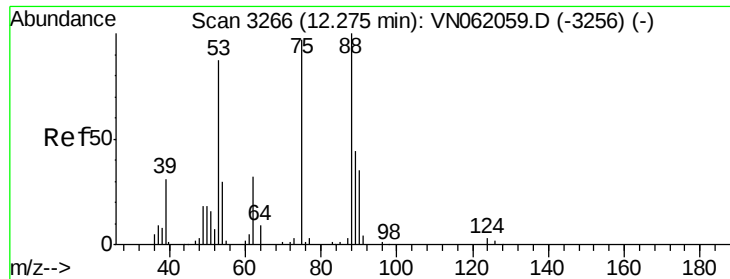
77 1.4 0.0 0.0#



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: 72.003 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062070.D

Acq: 24 Jun 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

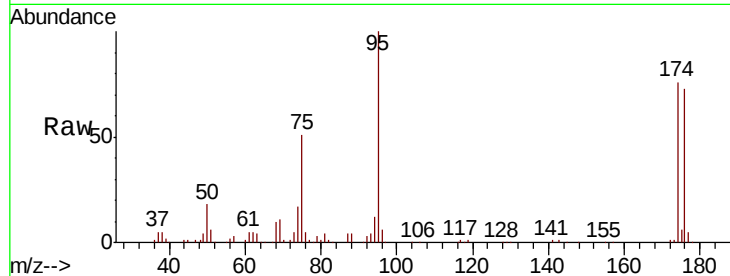
Tot Ion: 75 Resp: 84177

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

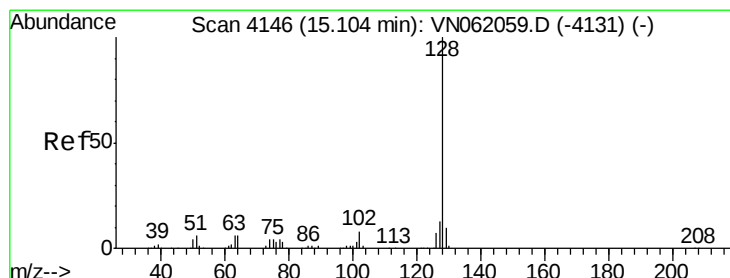
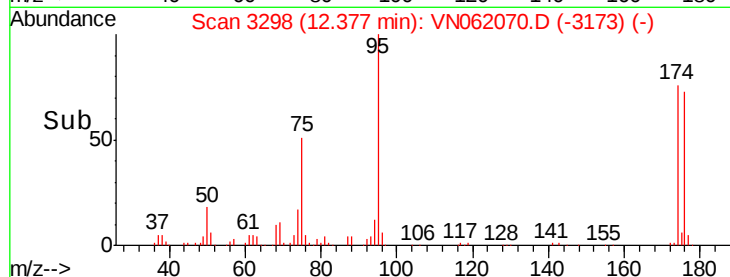
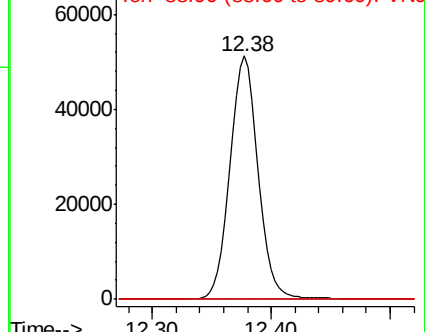
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#95

Naphthalene

Concen: 4.046 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.02 min

Lab File: VN062070.D

Acq: 24 Jun 2020 18:12

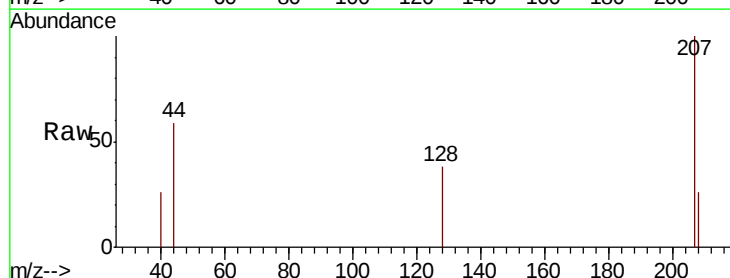
Tgt Ion: 128 Resp: 386

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062059.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062059.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062059.D (-4131) (-)

