

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062575.D
 Acq On : 21 Jul 2020 16:51
 Operator : JC/MD
 Sample : L3342-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jul 22 05:04:22 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	165583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	288353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	266624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92529	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	127719	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.55	113	94056	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.06	98	365013	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.38	95	124667	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	

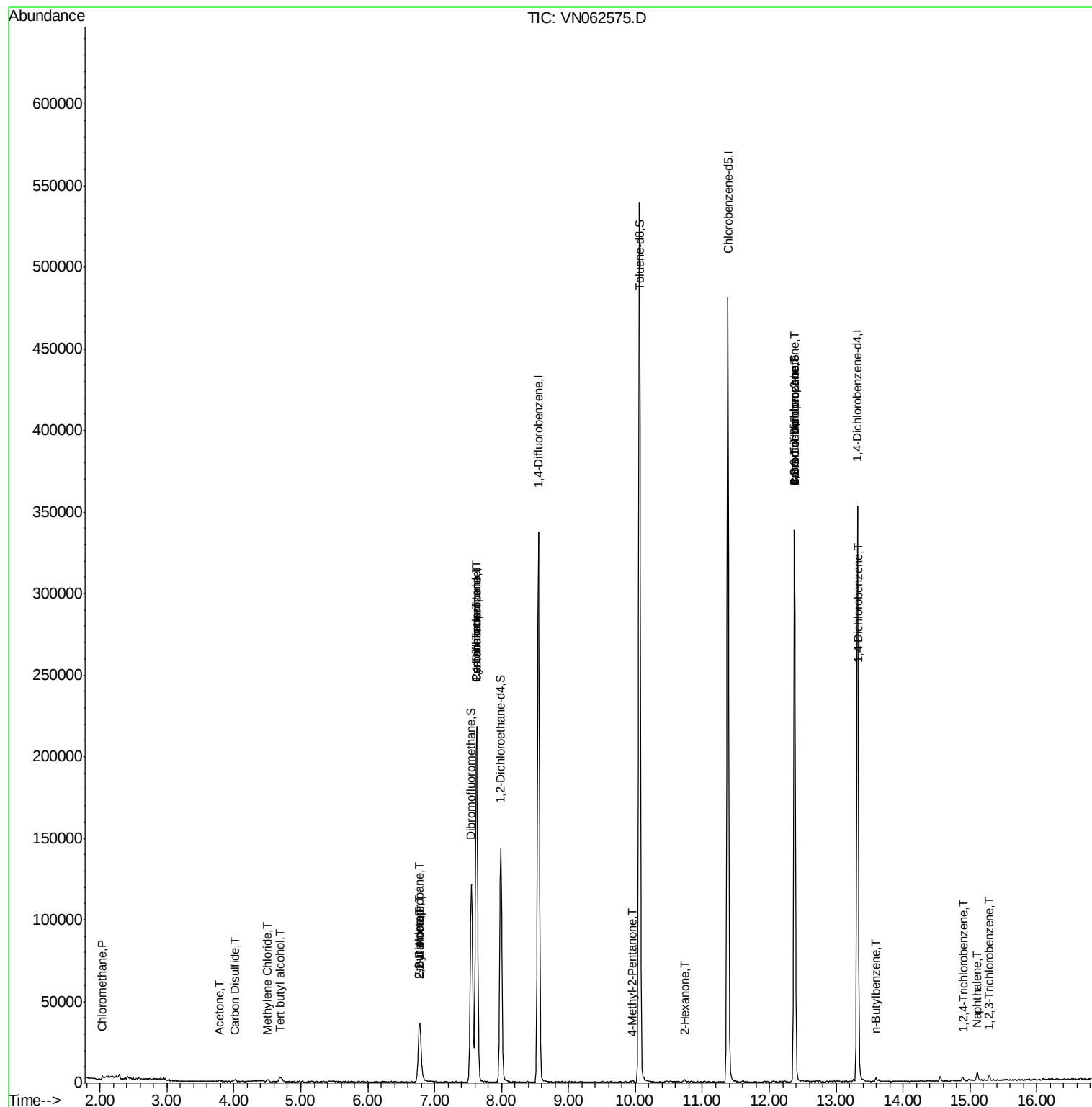
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1472	0.549	ug/l	97
11) Tert butyl alcohol	4.70	59	3462	8.461	ug/l #	73
16) Acetone	3.79	43	1625	1.679	ug/l	96
17) Carbon Disulfide	4.01	76	2269	0.390	ug/l #	75
20) Methylene Chloride	4.51	84	620	0.267	ug/l #	52
25) 2-Butanone	6.78	43	1348	0.914	ug/l #	52
26) 2,2-Dichloropropane	6.77	77	2027	0.602	ug/l #	54
31) Cyclohexane	7.62	56	4213	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	14869	4.838	ug/l #	50
37) Ethyl Acetate	6.78	43	1348	0.407	ug/l #	1
38) Carbon Tetrachloride	7.63	117	17058	5.774	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	848	0.265	ug/l #	57
59) 2-Hexanone	10.73	43	1506	3.561	ug/l #	57
71) Bromoform	12.38	173	915	0.580	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	65992	28.020	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	65992	78.001	ug/l #	12
88) 1,4-Dichlorobenzene	13.34	146	765	0.252	ug/l #	1
89) n-Butylbenzene	13.59	91	1782	0.357	ug/l	96
93) 1,2,4-Trichlorobenzene	14.89	180	1094	3.765	ug/l #	84
94) Hexachlorobutadiene	14.98	225	322	Below Cal	#	62
95) Naphthalene	15.11	128	5408	4.977	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	1434	1.031	ug/l	92

(#) = 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# 1820

Delta R.T. -0.00 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

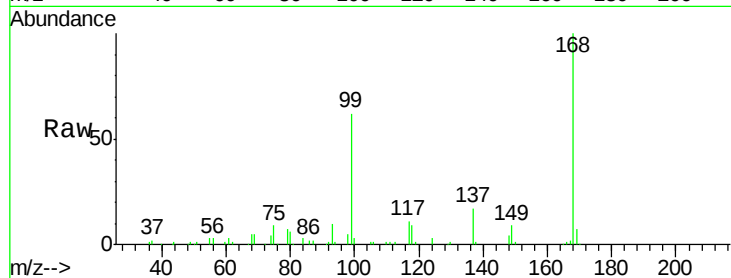
STORAGE-BLANK-WATER-REF-6

Tot Ion:168 Resp: 165583

Ion Ratio Lower Upper

168 100

99 62.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

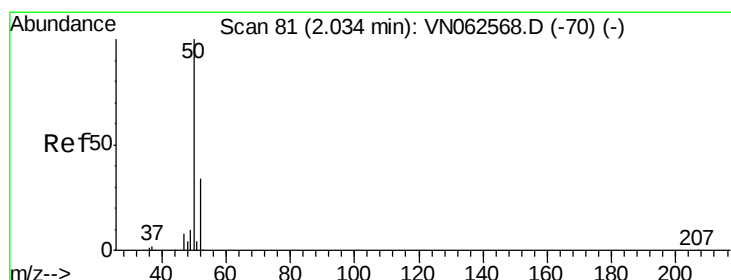
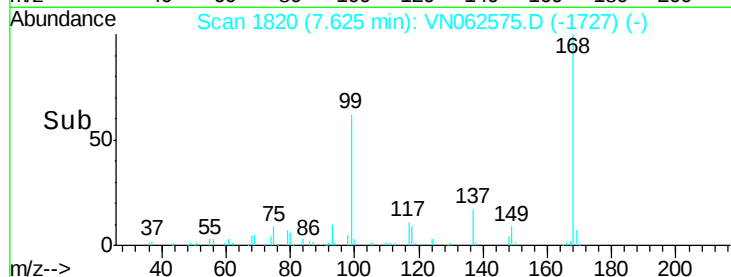
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.549 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062575.D

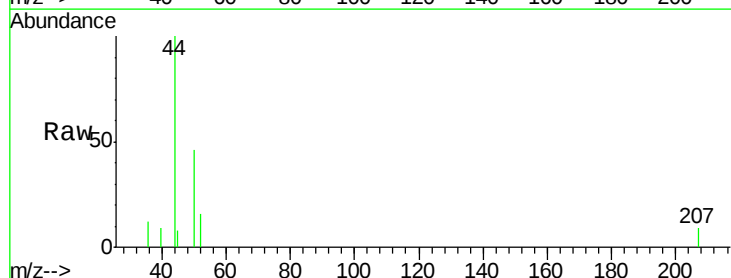
Acq: 21 Jul 2020 16:51

Tgt Ion: 50 Resp: 1472

Ion Ratio Lower Upper

50 100

52 35.4 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

1000

800

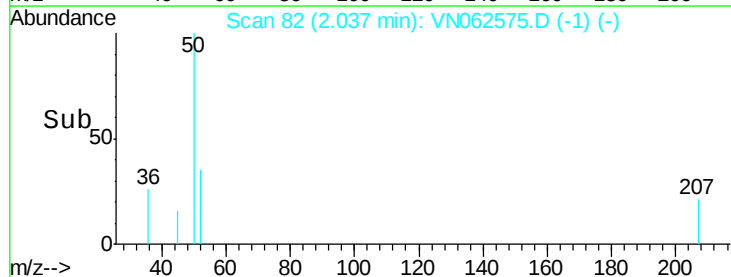
600

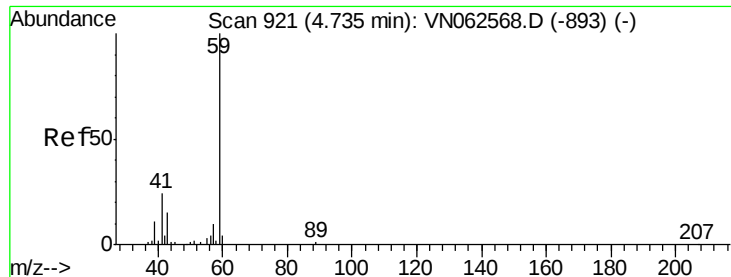
400

200

0

Time--> 2.00 2.05

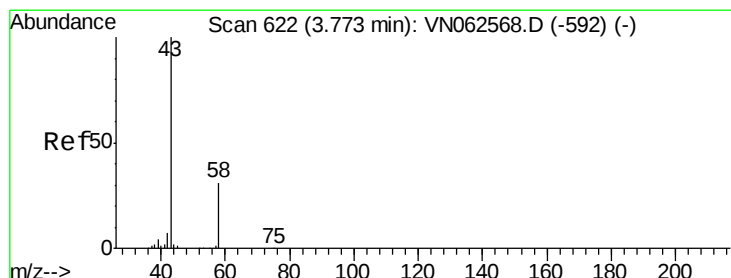
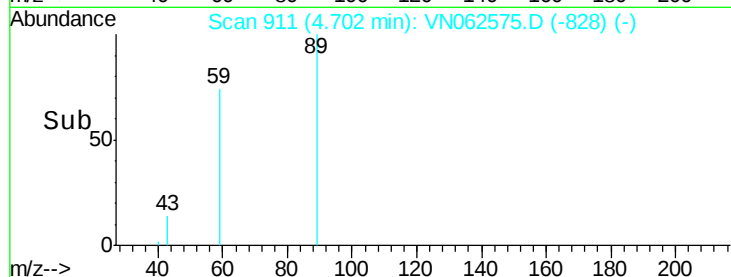
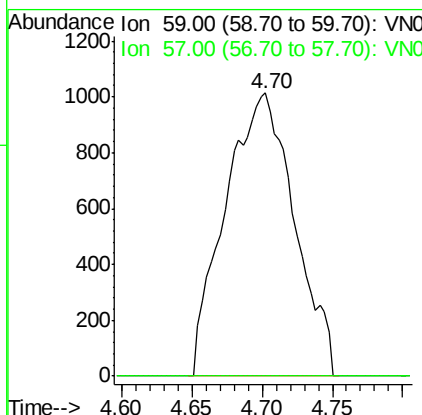
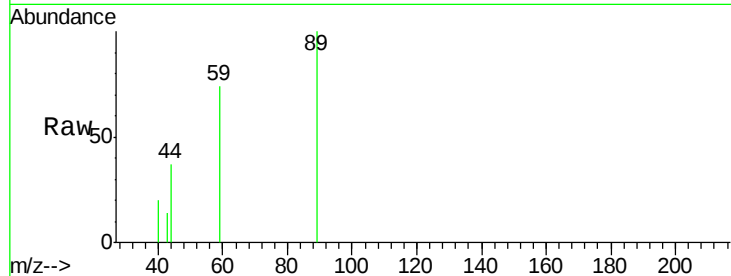




#11
Tert butyl alcohol
Concen: 8.461 ug/l
RT: 4.70 min Scan# 911
Delta R.T. -0.03 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

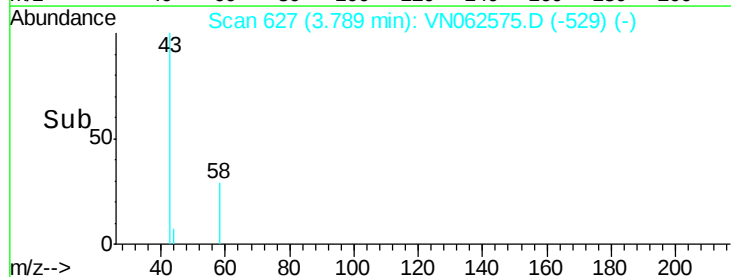
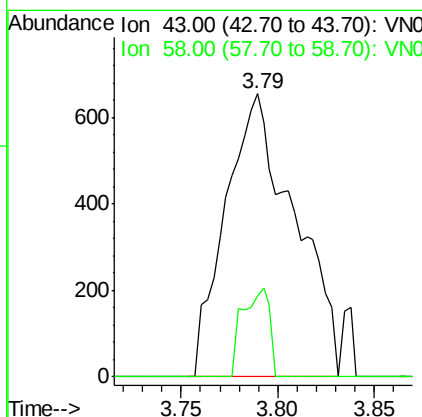
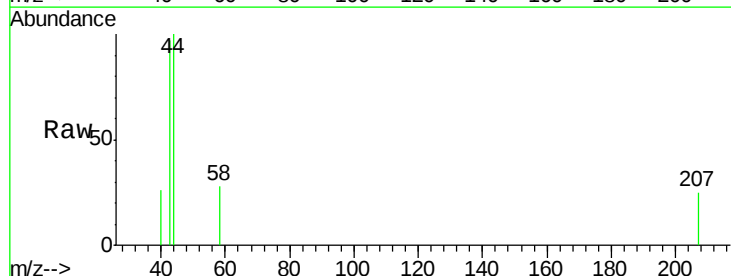
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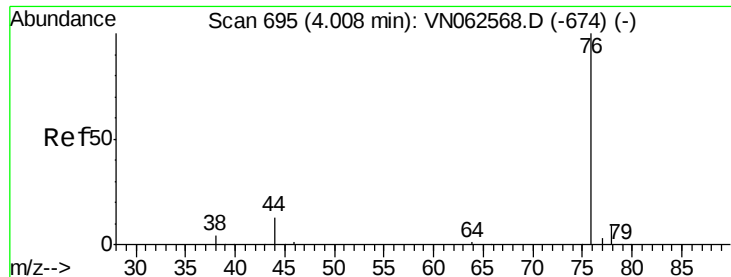
Tot Ion: 59 Resp: 3462
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 1.679 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.02 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
58 28.9 24.6 37.0





#17

Carbon Disulfide

Concen: 0.390 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

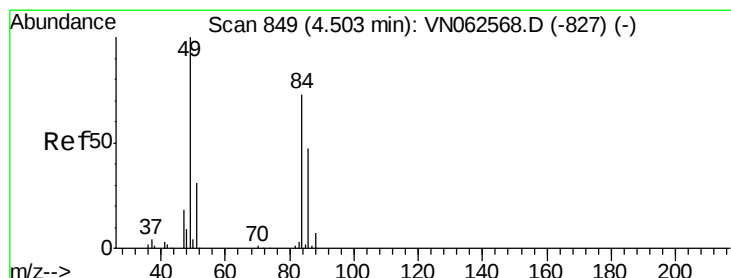
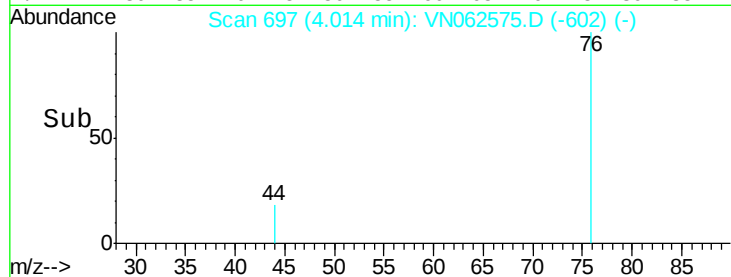
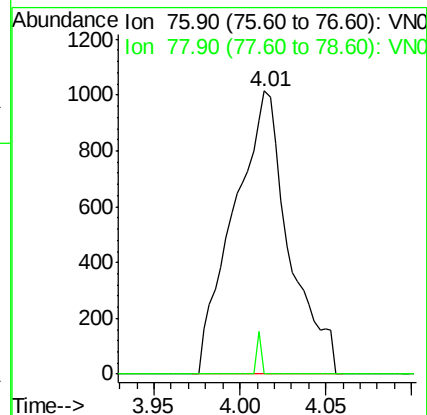
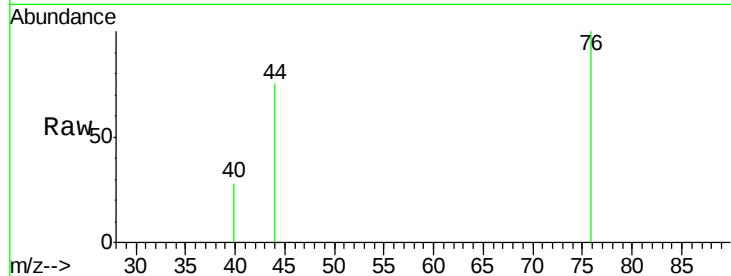
STORAGE-BLANK-WATER-REF-6

Tot Ion: 76 Resp: 2269

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 0.267 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Tgt Ion: 84 Resp: 620

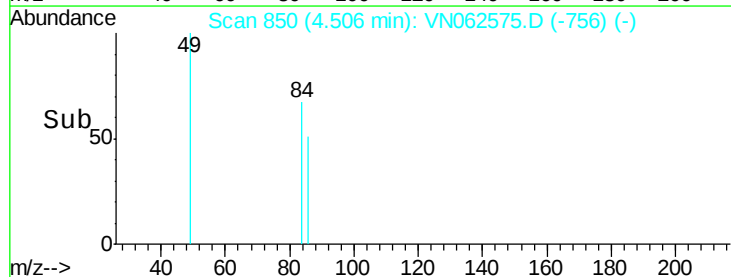
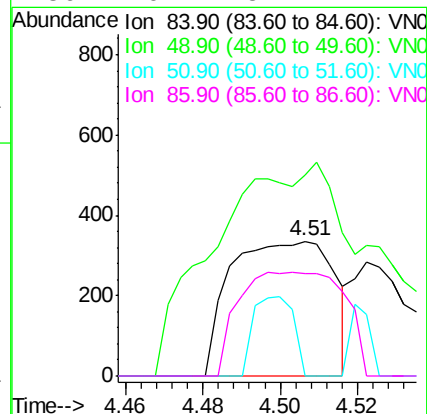
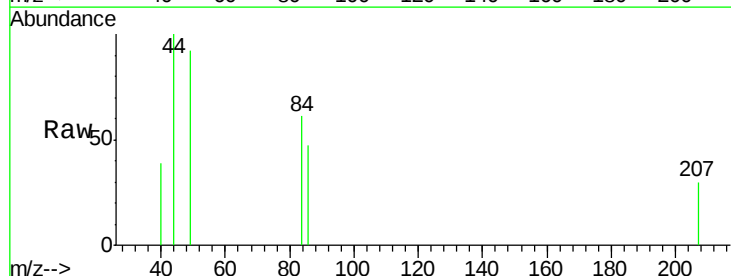
Ion Ratio Lower Upper

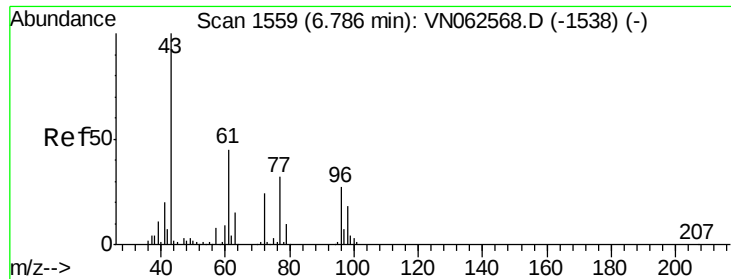
84 100

49 67.5 109.4 164.0#

51 0.0 33.6 50.4#

86 76.4 51.4 77.2

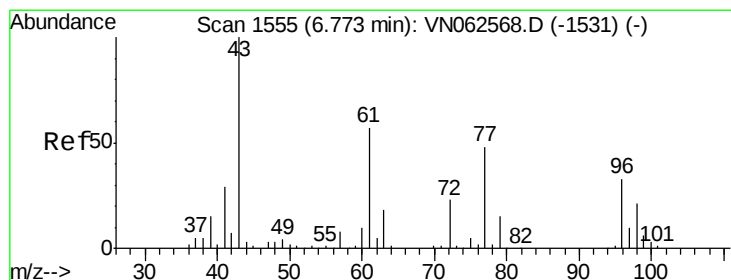
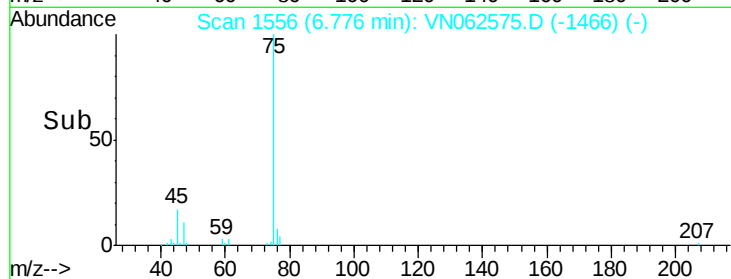
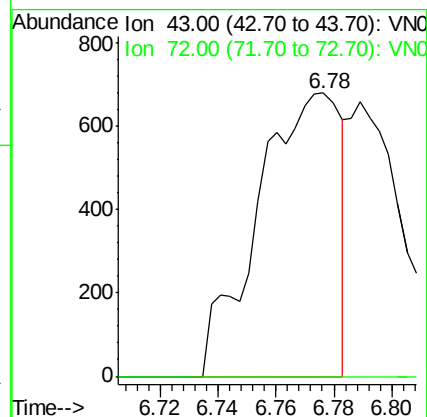
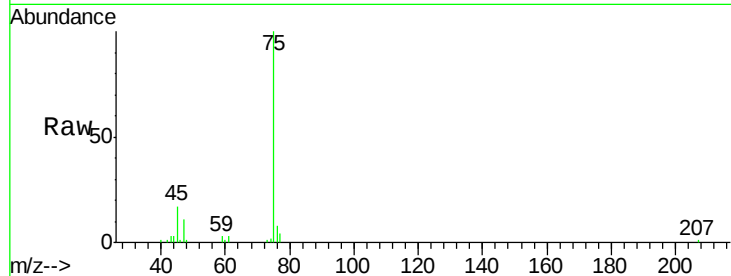




#25
2-Butanone
Concen: 0.914 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

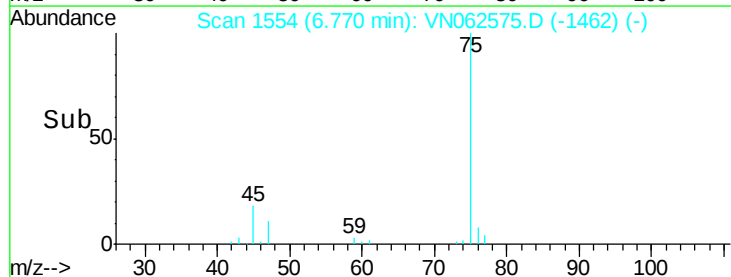
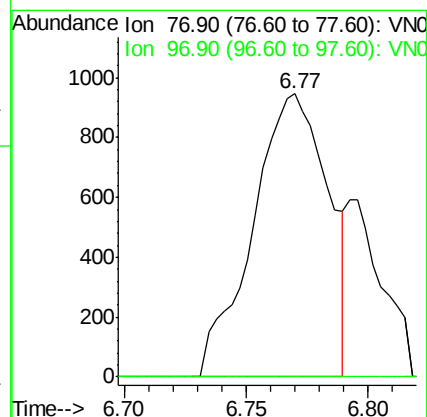
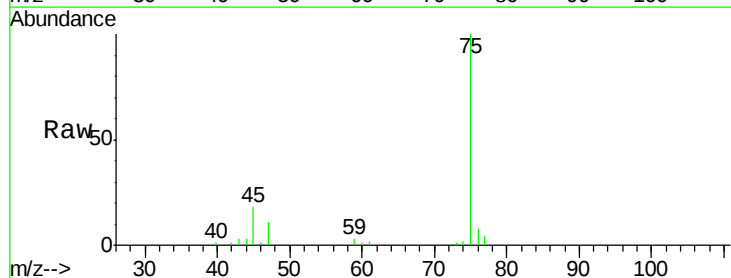
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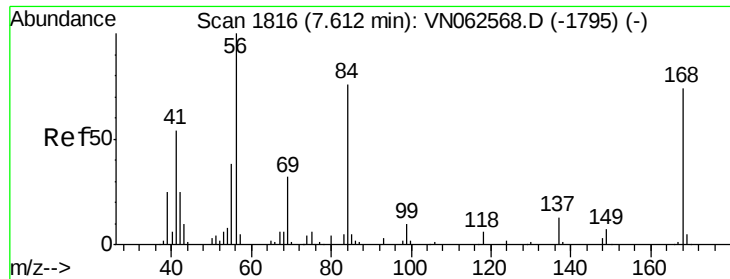
Tot Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#26
2,2-Dichloropropane
Concen: 0.602 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

Tgt Ion: 77 Resp: 2027
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#

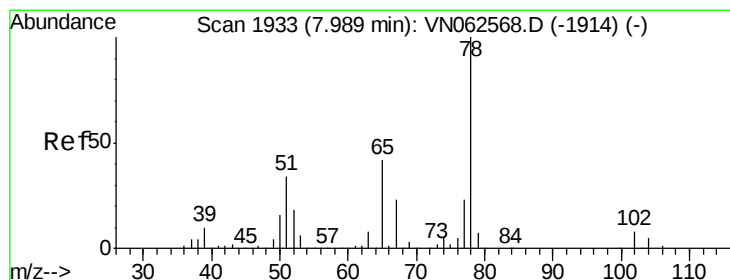
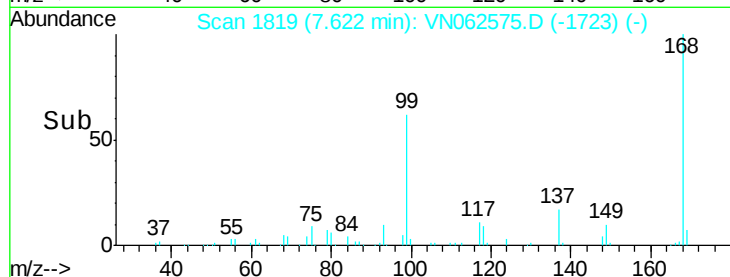
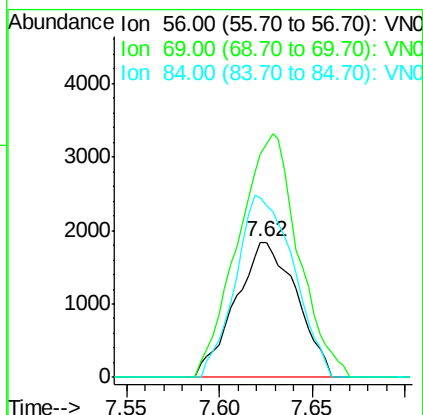
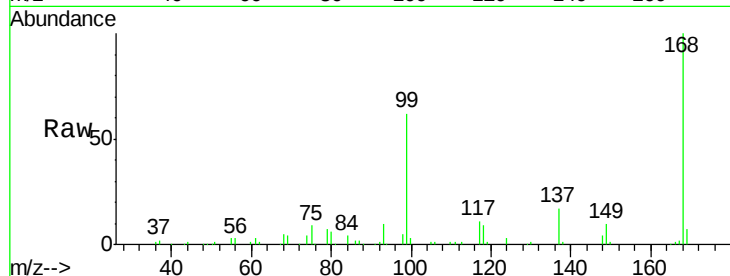




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

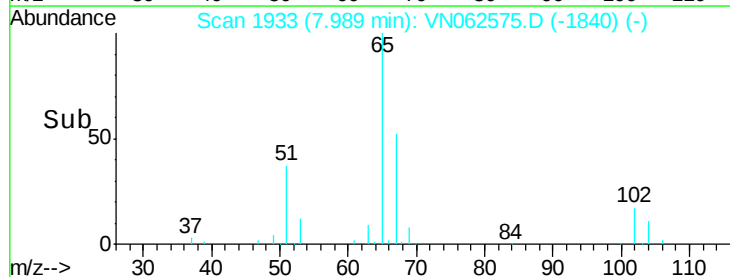
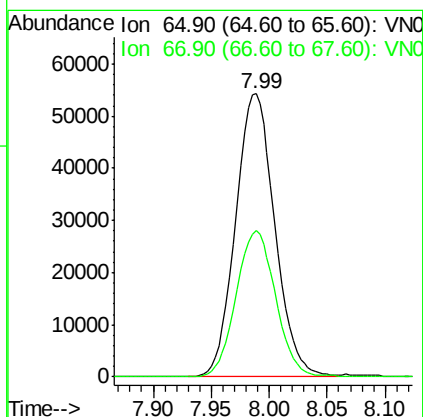
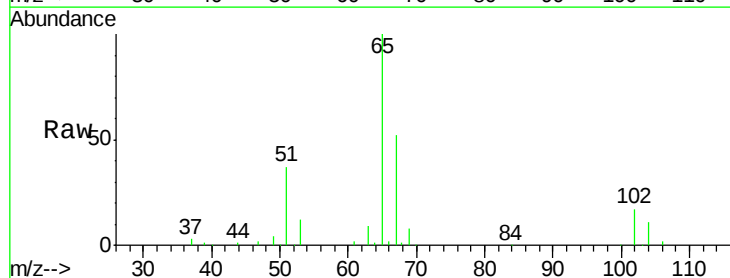
Instrument :
MSVOA_N
ClientSampleId :
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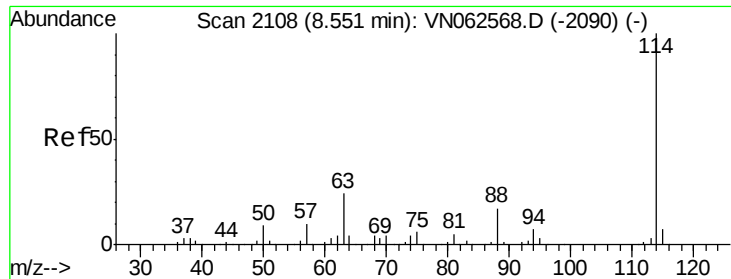
Tot Ion: 56 Resp: 4213
Ion Ratio Lower Upper
56 100
69 164.5 25.3 37.9#
84 133.1 61.0 91.4#



#33
1,2-Dichloroethane-d4
Concen: 49.653 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

Tgt Ion: 65 Resp: 127719
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.0

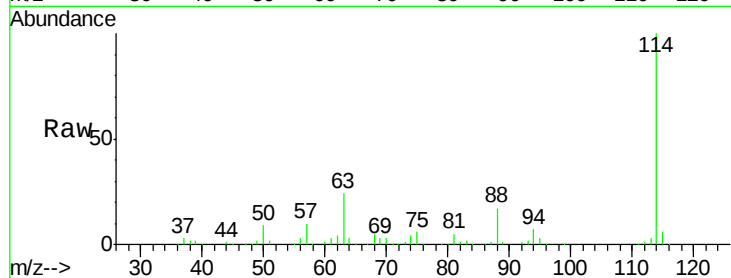




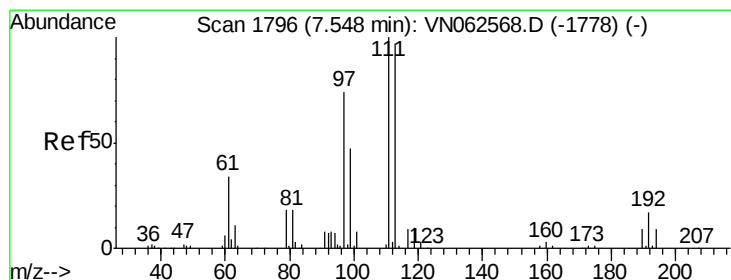
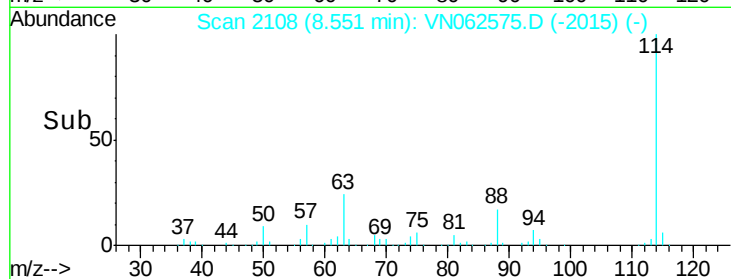
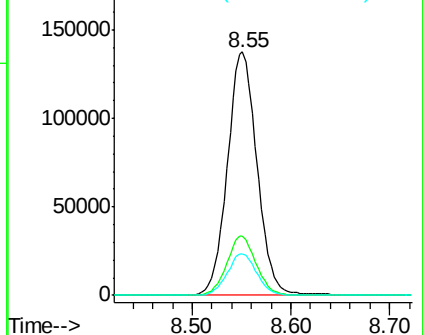
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

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Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	48.4
88	17.2	0.0	33.8

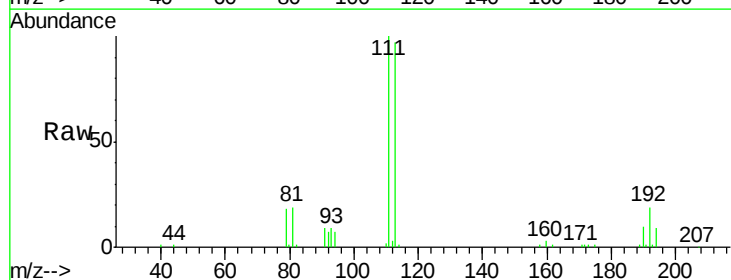


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

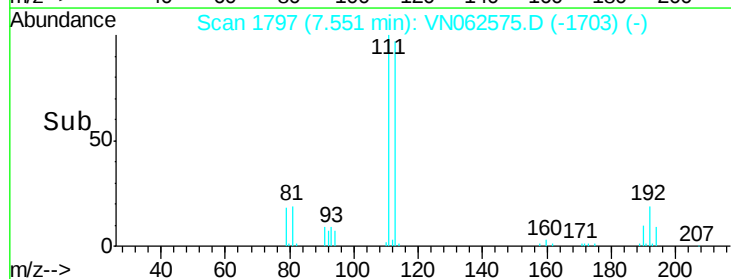
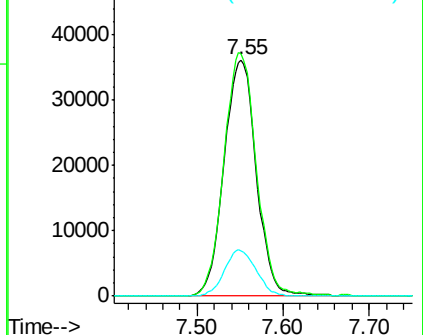


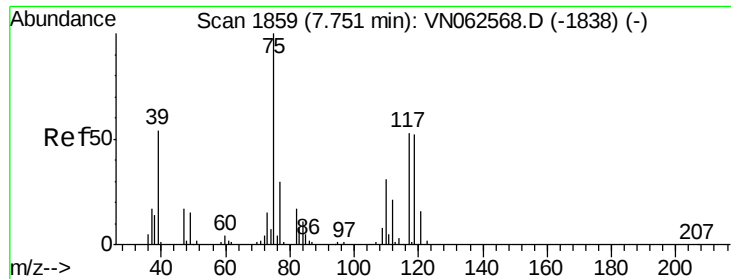
#35
 Dibromofluoromethane
 Concen: 49.658 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	19.2	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

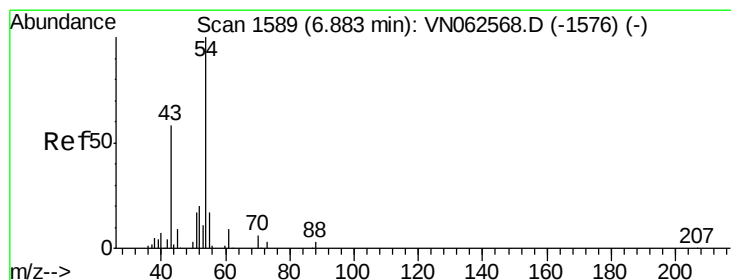
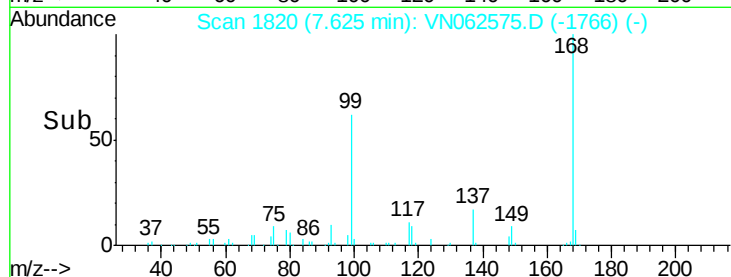
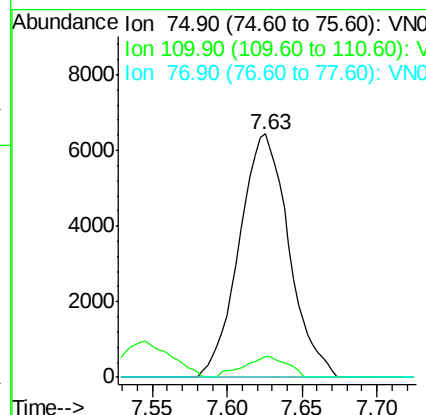
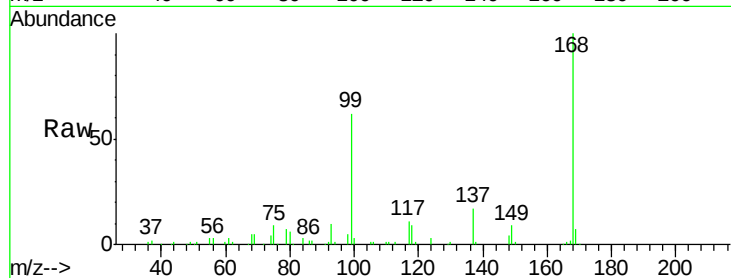




#36
 1,1-Dichloropropene
 Concen: 4.838 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

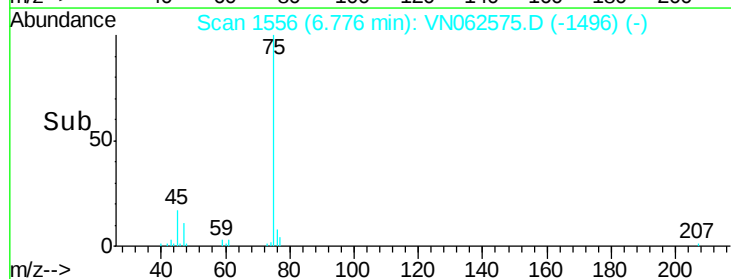
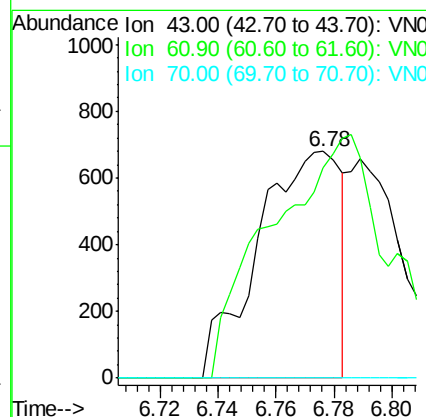
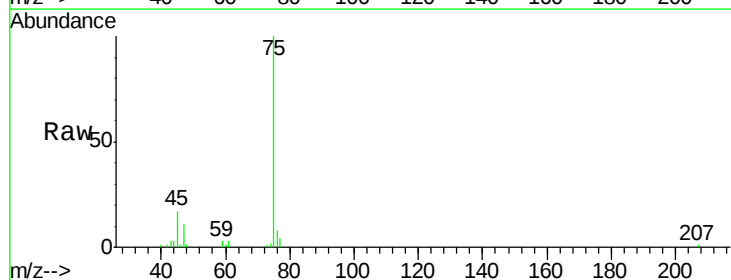
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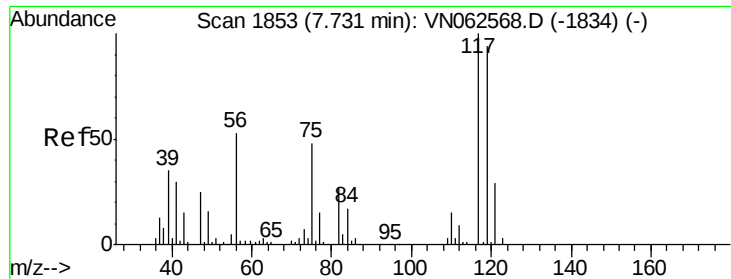
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.0	48.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.407 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	146.1	11.3	16.9#
70	0.0	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

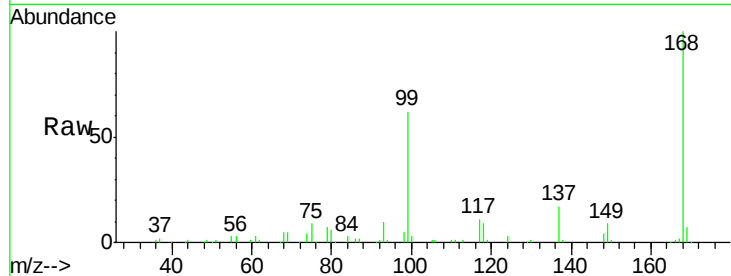
Tot Ion: 117 Resp: 17058

Ion Ratio Lower Upper

117 100

119 5.1 74.8 112.2#

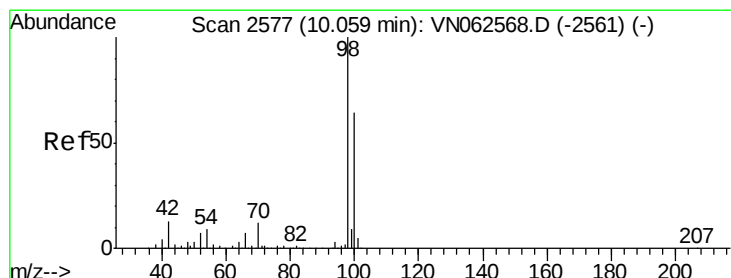
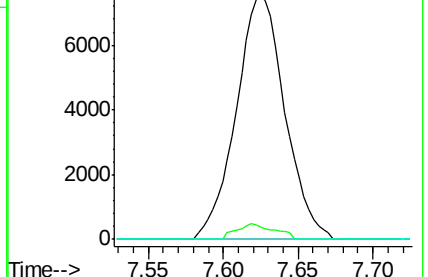
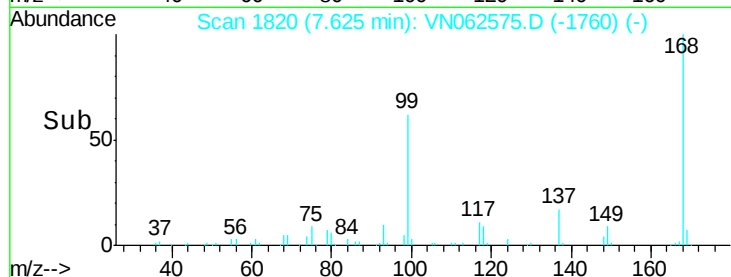
121 0.0 23.0 34.6#



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: 48.300 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062575.D

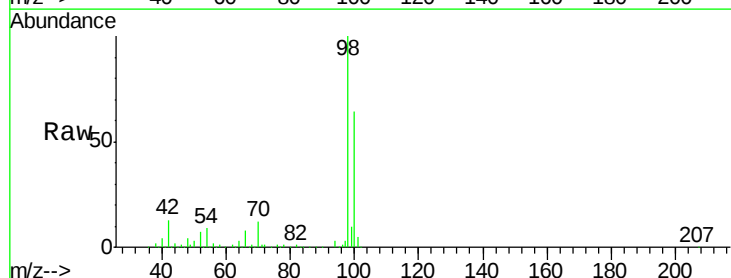
Acq: 21 Jul 2020 16:51

Tgt Ion: 98 Resp: 365013

Ion Ratio Lower Upper

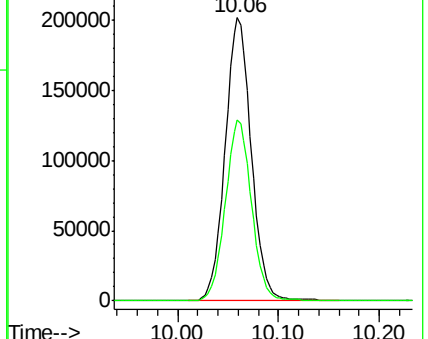
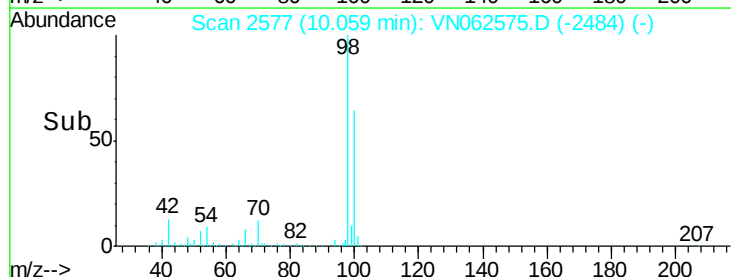
98 100

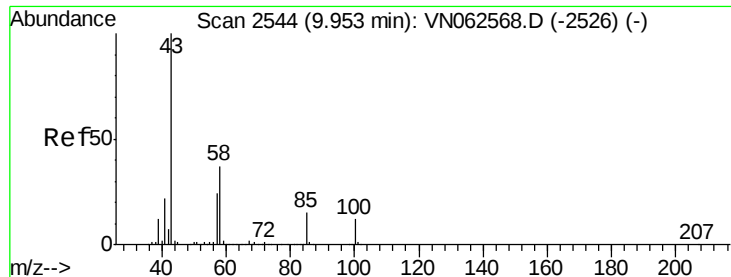
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

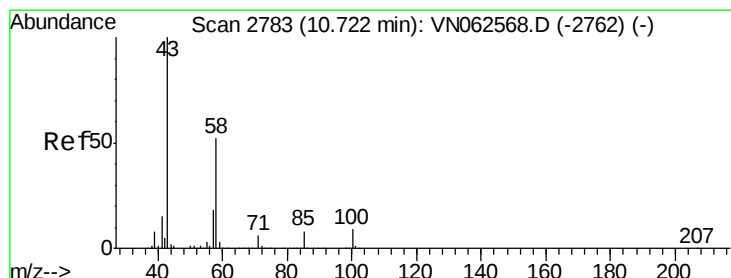
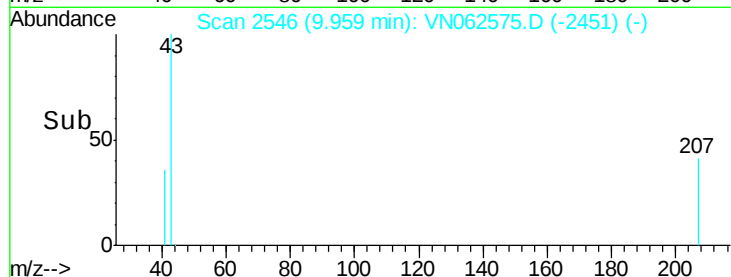
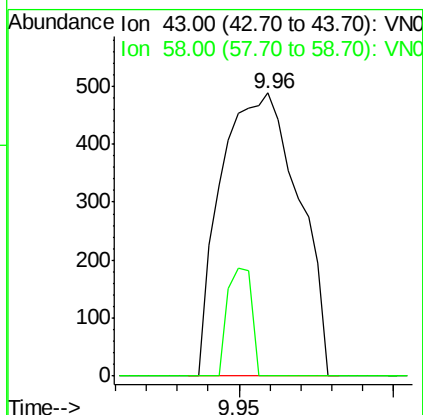
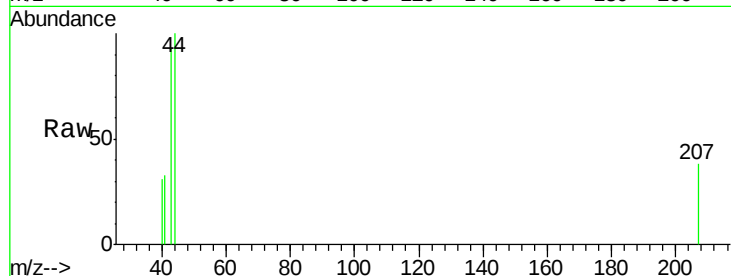




#51
4-Methyl-2-Pentanone
Concen: 0.265 ug/l
RT: 9.96 min Scan# 2546
Delta R.T. 0.01 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

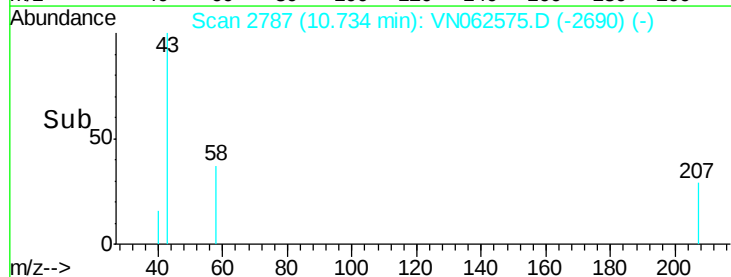
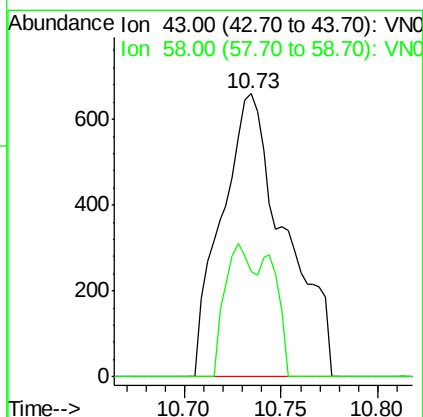
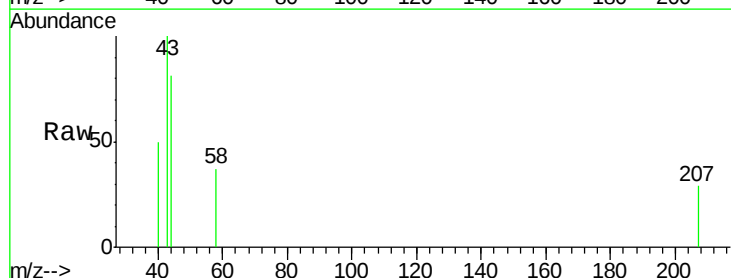
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-6

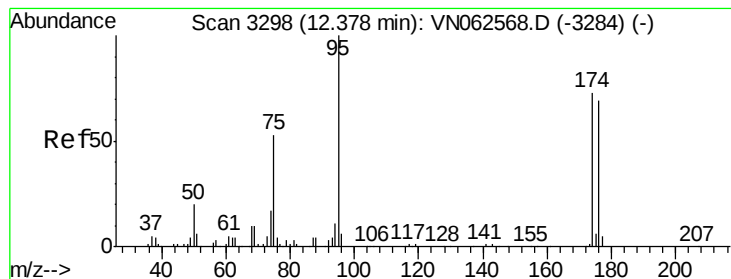
Tot Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
58 11.8 29.8 44.6#



#59
2-Hexanone
Concen: 3.561 ug/l
RT: 10.73 min Scan# 2787
Delta R.T. 0.01 min
Lab File: VN062575.D
Acq: 21 Jul 2020 16:51

Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 22.1 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 45.116 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

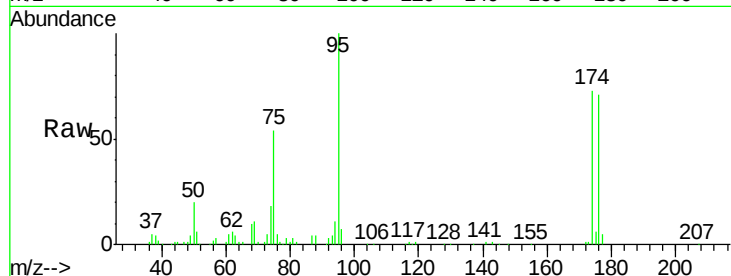
Tot Ion: 95 Resp: 124667

Ion Ratio Lower Upper

95 100

174 72.9 0.0 144.6

176 70.7 0.0 139.4

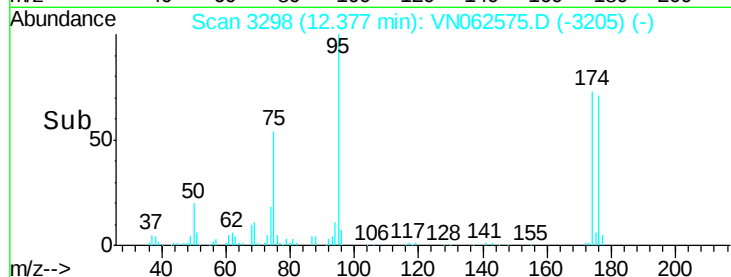


Abundance Ion 94.90 (94.60 to 95.60): VN062568.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062568.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062568.D (-3284) (-)

Time-->

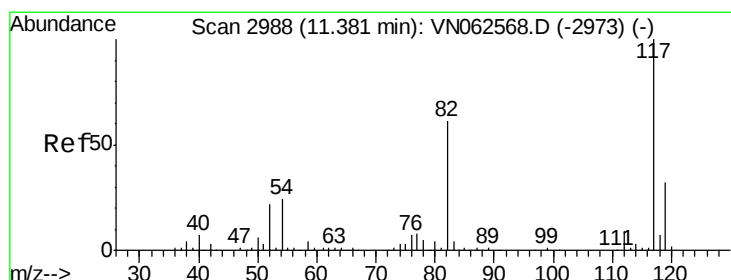


Abundance Ion 94.90 (94.60 to 95.60): VN062575.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062575.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062575.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

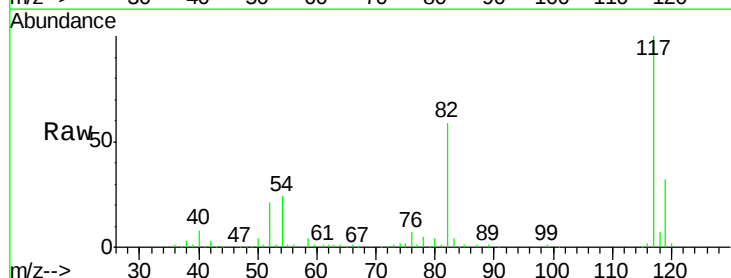
Tgt Ion: 117 Resp: 266624

Ion Ratio Lower Upper

117 100

82 59.4 49.0 73.6

119 31.7 25.4 38.2

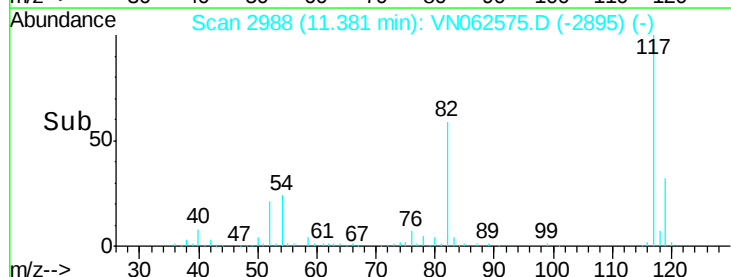


Abundance Ion 116.90 (116.60 to 117.60): VN062568.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062568.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062568.D (-2973) (-)

Time-->

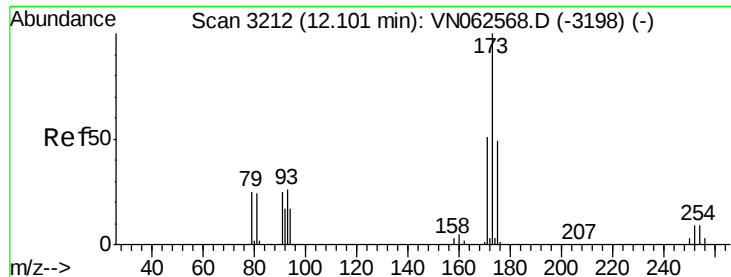


Abundance Ion 116.90 (116.60 to 117.60): VN062575.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062575.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062575.D (-2895) (-)

Time-->



#71

Bromoform

Concen: 0.580 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

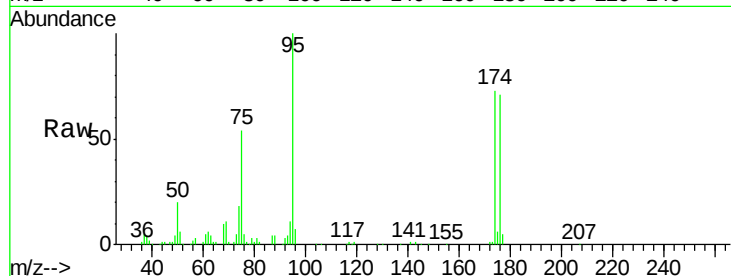
Tot Ion:173 Resp: 915

Ion Ratio Lower Upper

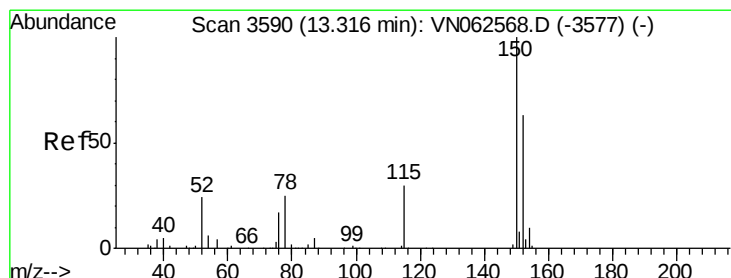
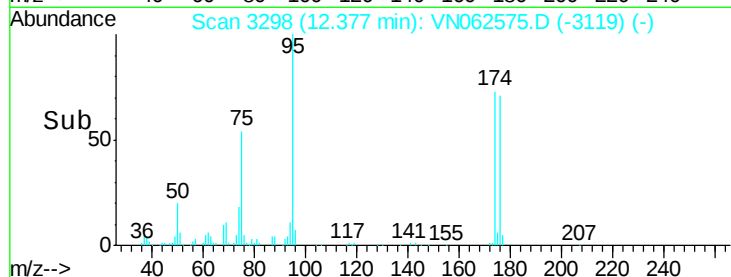
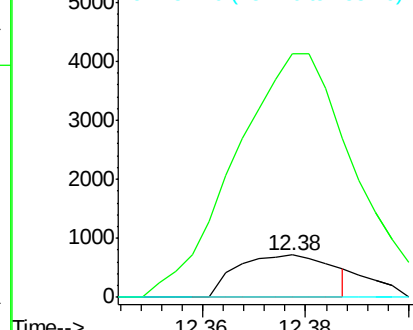
173 100

175 608.4 24.1 72.2#

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: VN062575.D

Acq: 21 Jul 2020 16:51

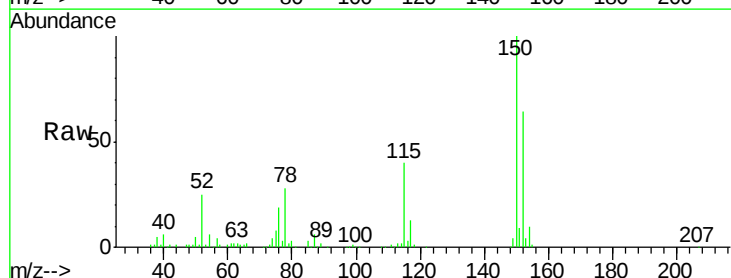
Tgt Ion:152 Resp: 92529

Ion Ratio Lower Upper

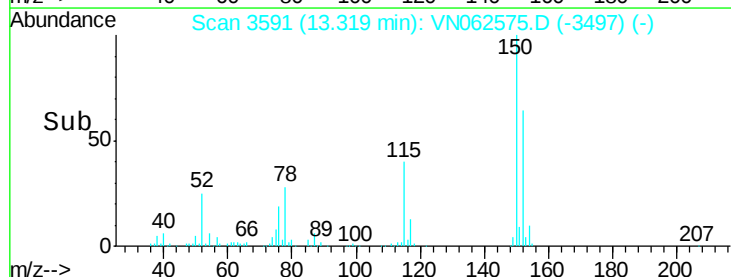
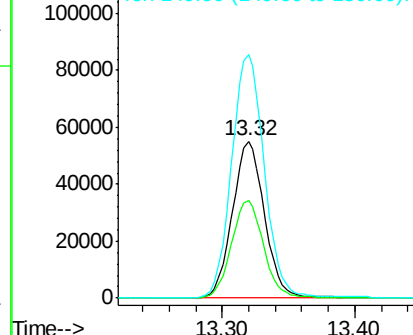
152 100

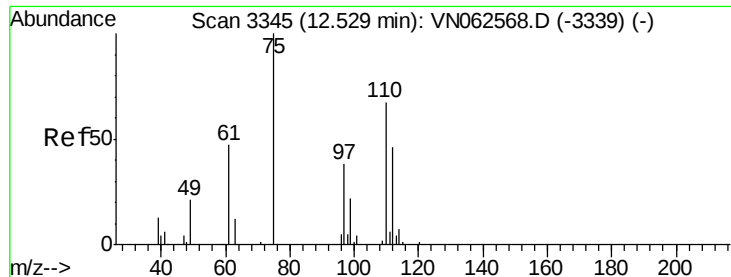
115 62.5 31.8 95.4

150 158.5 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

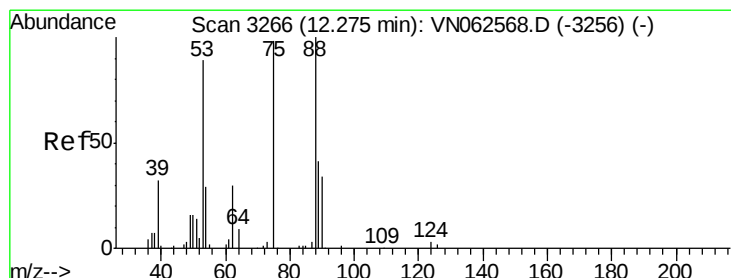
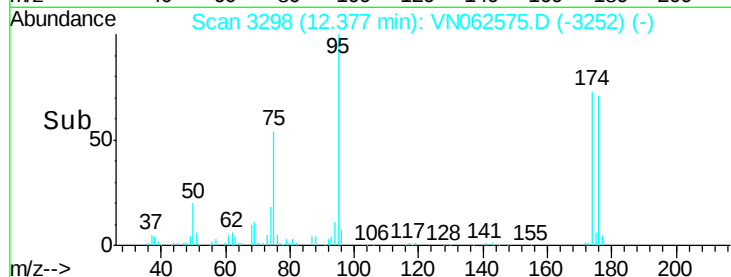
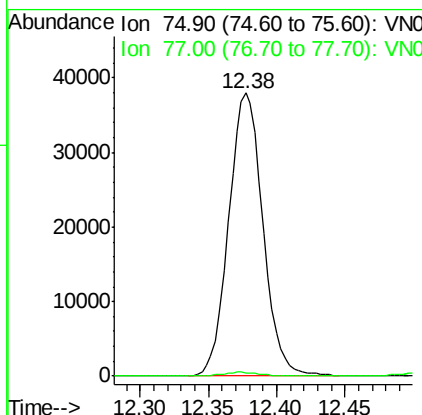
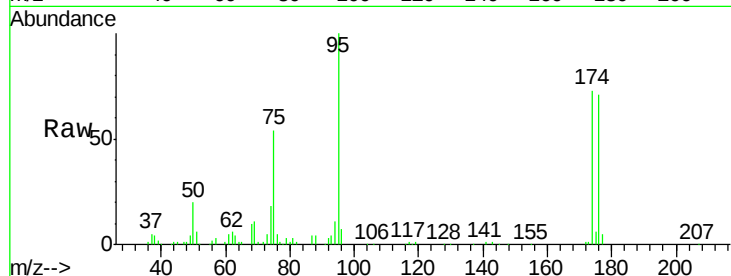




#76
 1,2,3-Trichloropropane
 Concen: 28.020 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

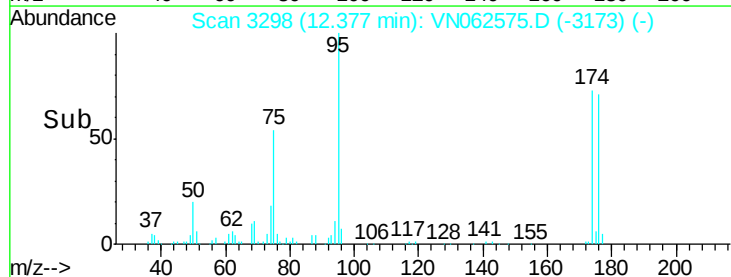
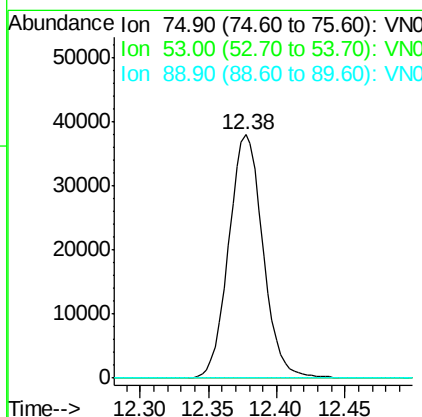
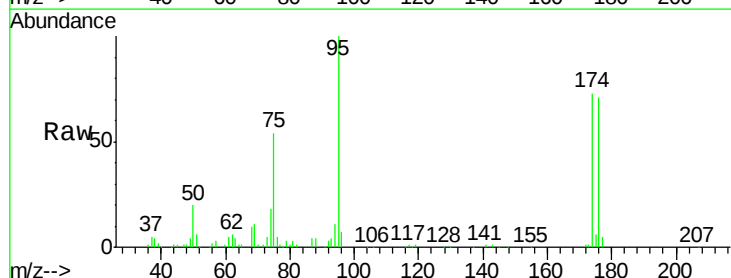
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

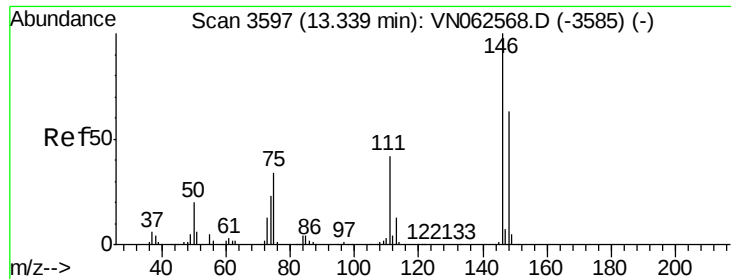
Tot Ion: 75 Resp: 65992
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.001 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

Tgt Ion: 75 Resp: 65992
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#88

1,4-Dichlorobenzene

Concen: 0.252 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-6

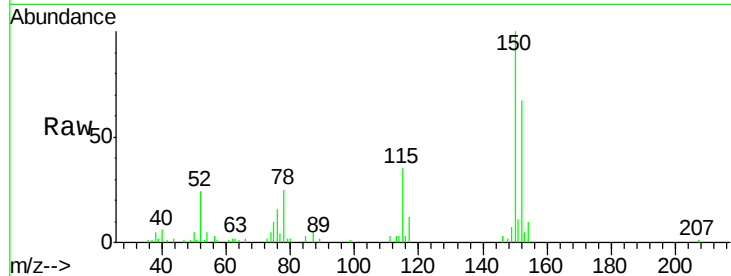
Tot Ion:146 Resp: 765

Ion Ratio Lower Upper

146 100

111 200.5 21.1 63.1#

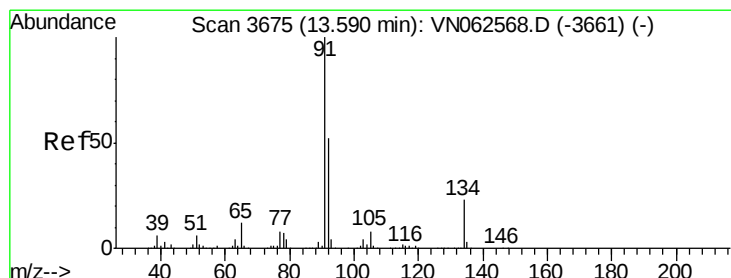
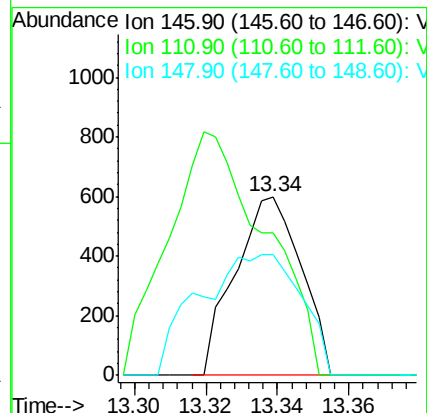
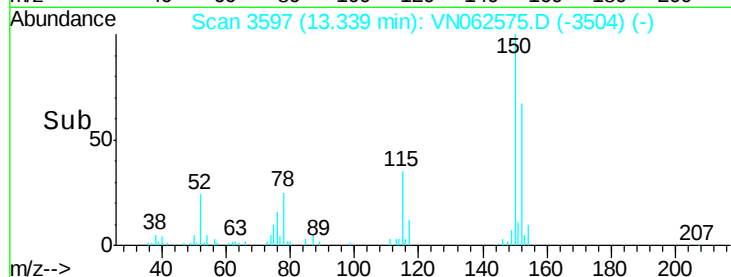
148 104.8 31.6 94.8#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.357 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN062575.D

Acq: 21 Jul 2020 16:51

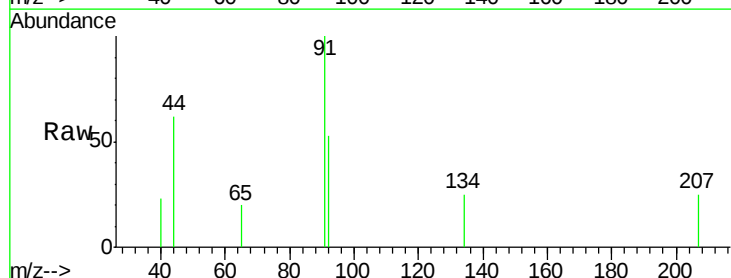
Tgt Ion: 91 Resp: 1782

Ion Ratio Lower Upper

91 100

92 47.7 25.8 77.3

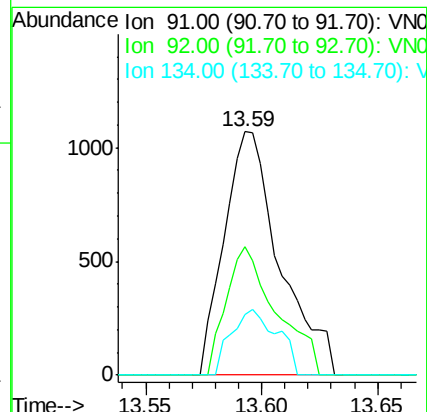
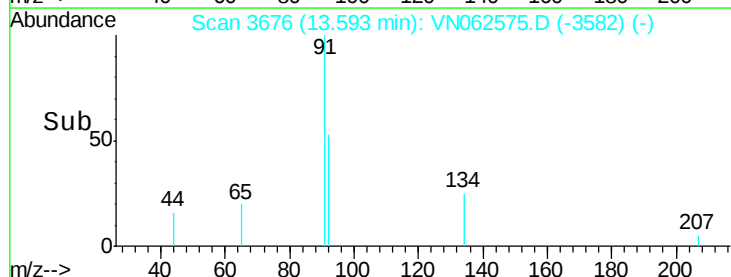
134 22.3 11.8 35.3

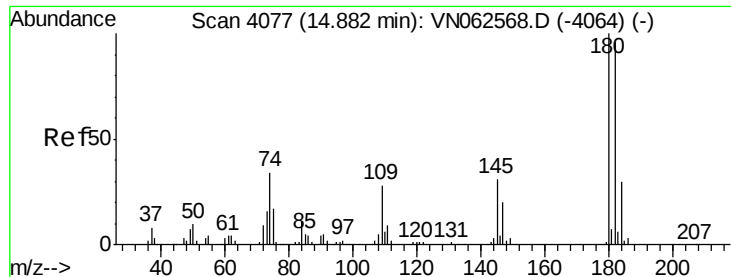


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

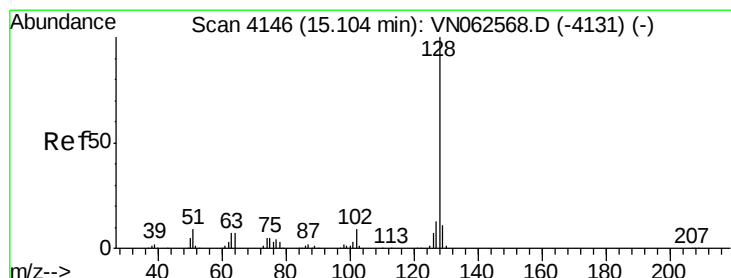
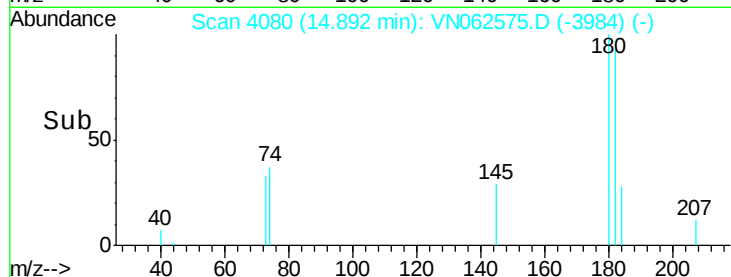
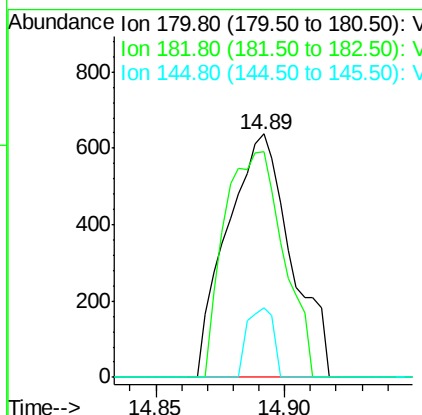
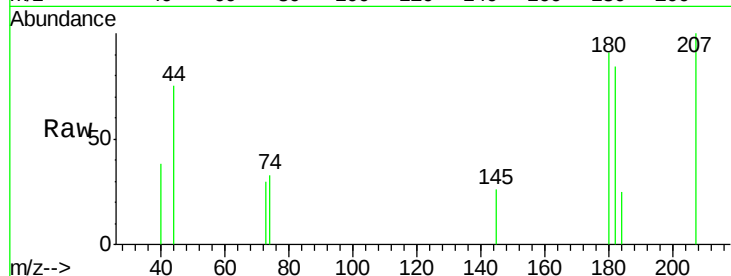




#93
 1,2,4-Trichlorobenzene
 Concen: 3.765 ug/l
 RT: 14.89 min Scan# 4080
 Delta R.T. 0.01 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

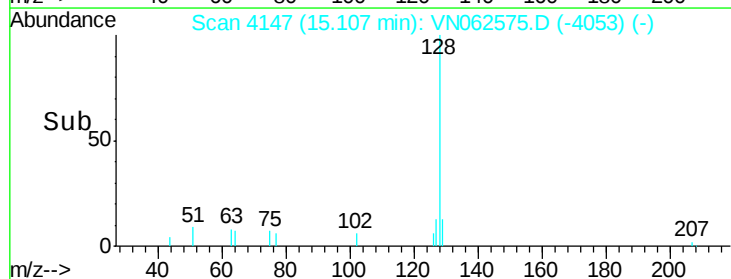
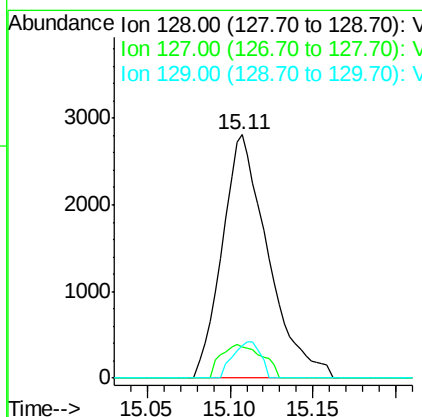
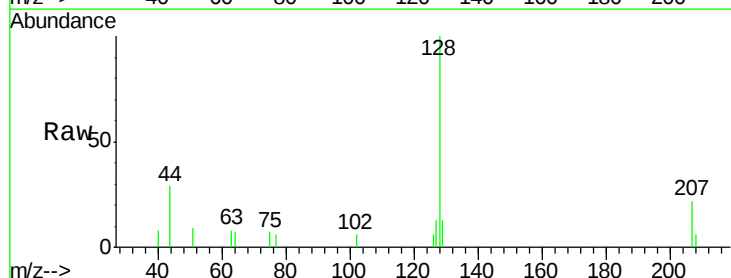
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-6

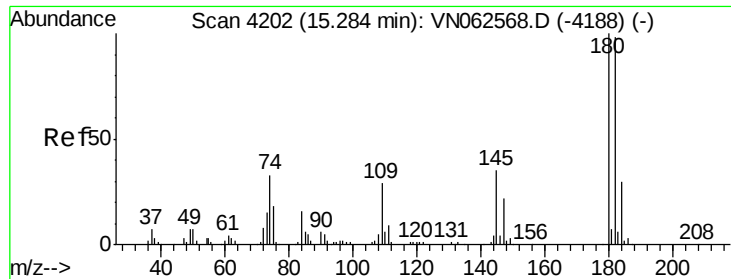
Tot Ion:180 Resp: 1094
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.8 143.3
 145 11.6 15.3 45.9#



#95
 Naphthalene
 Concen: 4.977 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

Tgt Ion:128 Resp: 5408
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.4 15.6
 129 8.9 8.7 13.1

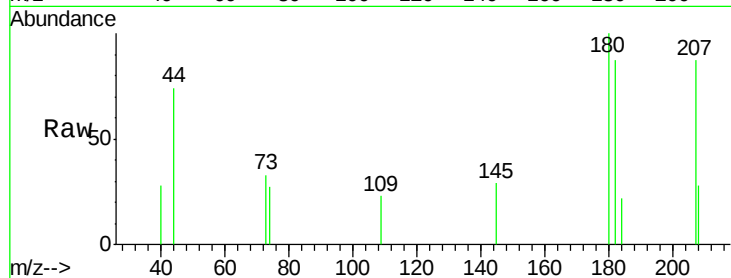




#96
 1,2,3-Trichlorobenzene
 Concen: 1.031 ug/l
 RT: 15.28 min Scan# 4201
 Delta R.T. -0.00 min
 Lab File: VN062575.D
 Acq: 21 Jul 2020 16:51

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

Tot Ion:180 Resp: 1434
 Ion Ratio Lower Upper
 180 100
 182 91.9 48.1 144.3
 145 23.7 16.7 50.1



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

