

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062910.D
 Acq On : 13 Aug 2020 14:50
 Operator : JC/MD
 Sample : L3619-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 14 05:07:45 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	136754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	216271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80055	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	117070	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	7.55	113	82702	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.06	98	293171	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	12.38	95	103649	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	

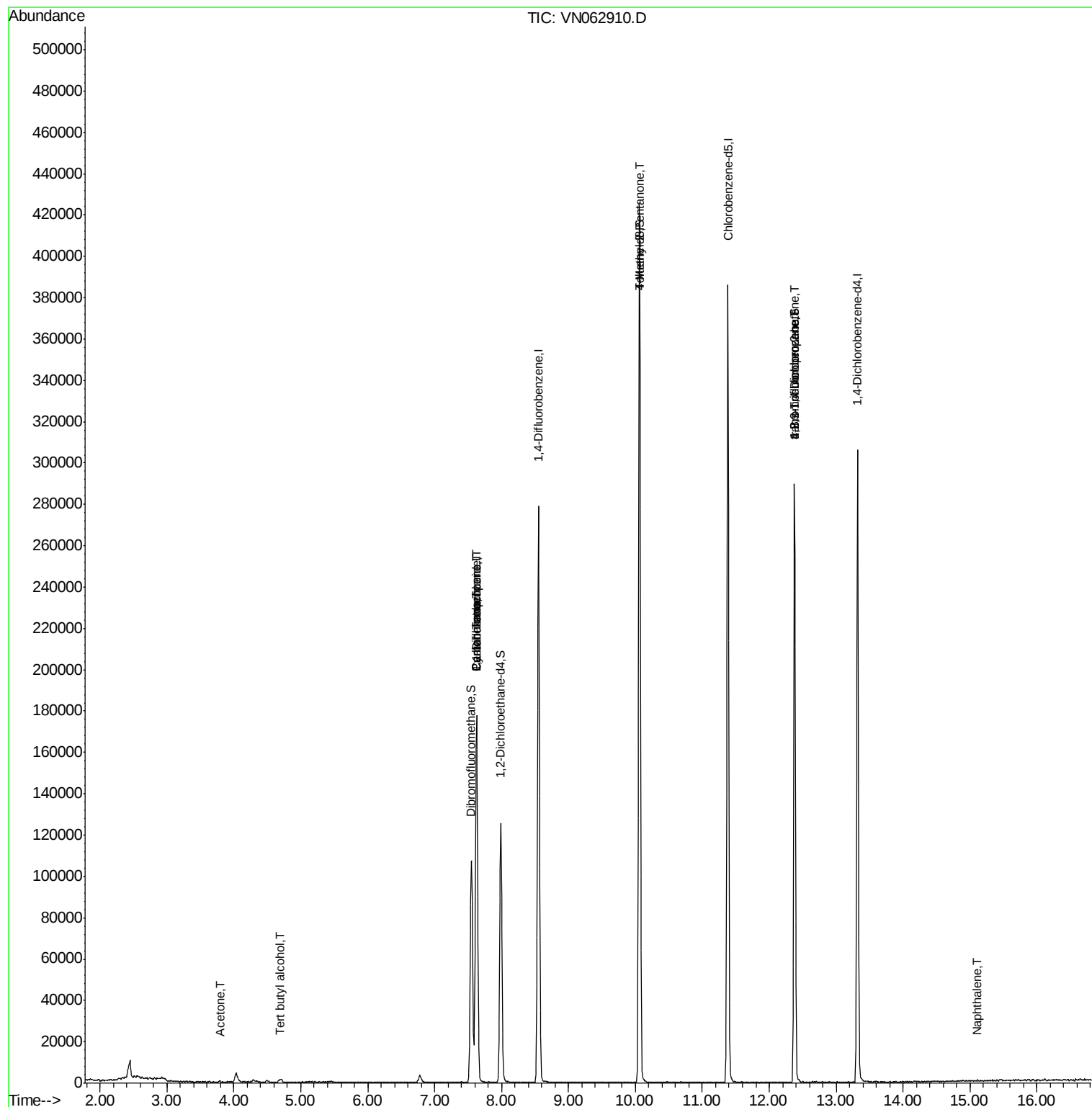
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	831	2.242	ug/l #	72
16) Acetone	3.78	43	440	0.538	ug/l #	45
17) Carbon Disulfide	4.01	76	33	Below Cal	#	74
18) Methyl Acetate	4.29	43	257	Below Cal	#	52
20) Methylene Chloride	4.50	84	394	Below Cal	#	83
31) Cyclohexane	7.63	56	2915	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11588	5.033	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14767	5.423	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1376	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	54687	25.330	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54687	77.325	ug/l #	10
95) Naphthalene	15.11	128	156	3.747	ug/l #	68

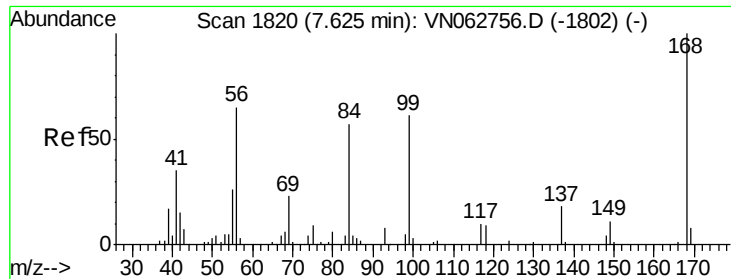
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062910.D

Acq: 13 Aug 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

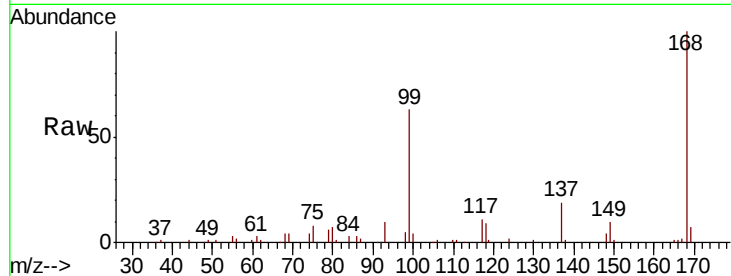
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 136754

Ion Ratio Lower Upper

168 100

99 63.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

40000

20000

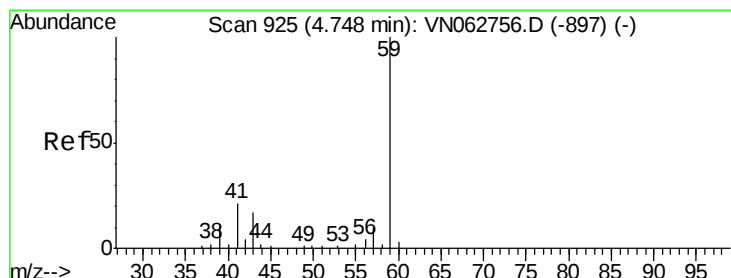
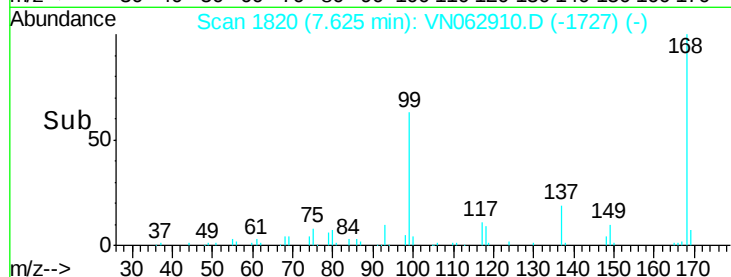
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 2.242 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062910.D

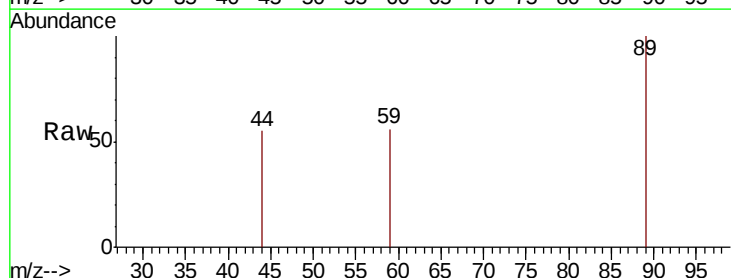
Acq: 13 Aug 2020 14:50

Tgt Ion: 59 Resp: 831

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

500

400

300

200

100

0

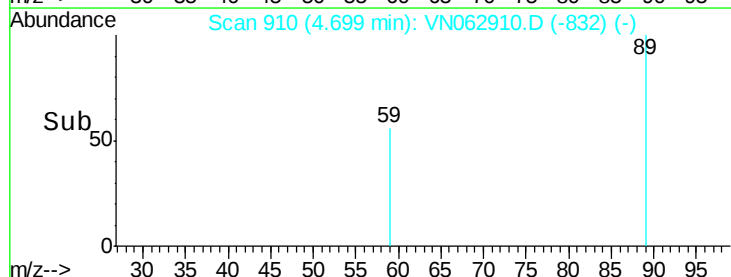
4.68

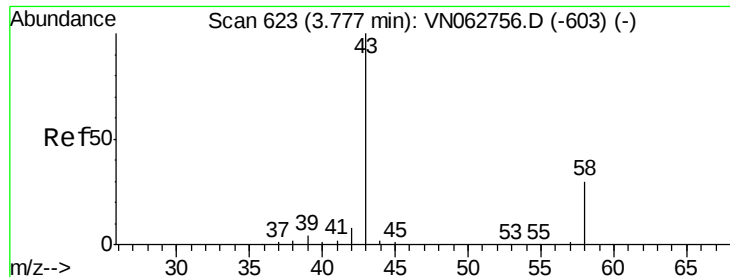
4.70

4.72

4.74

Time-->





#16

Acetone

Concen: 0.538 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

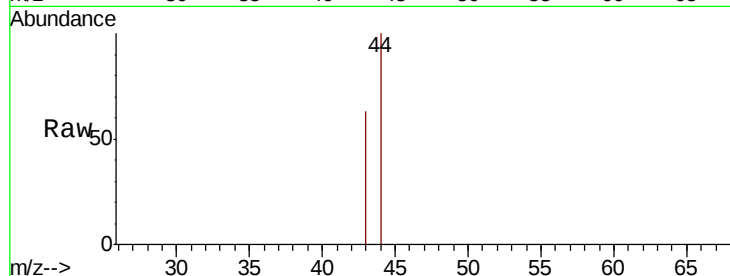
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 440

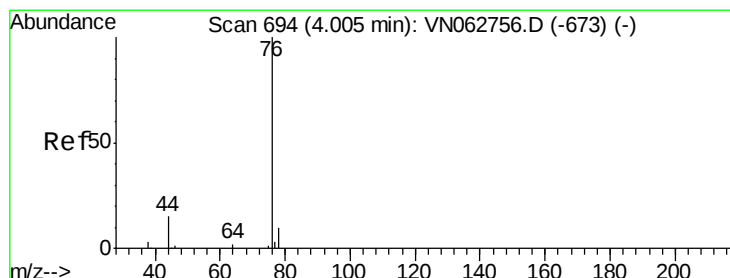
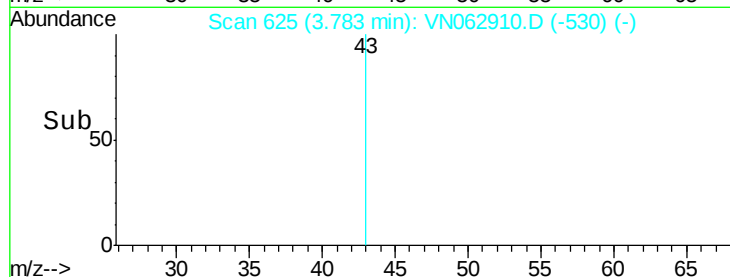
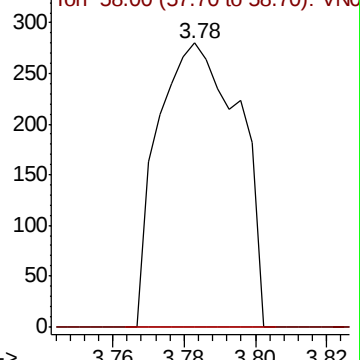
Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN062910.D (-530) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062910.D

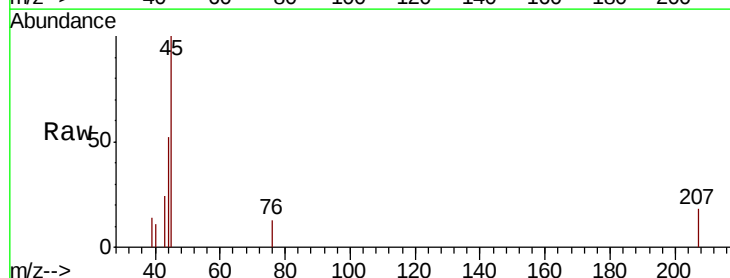
Acq: 13 Aug 2020 14:50

Tgt Ion: 76 Resp: 33

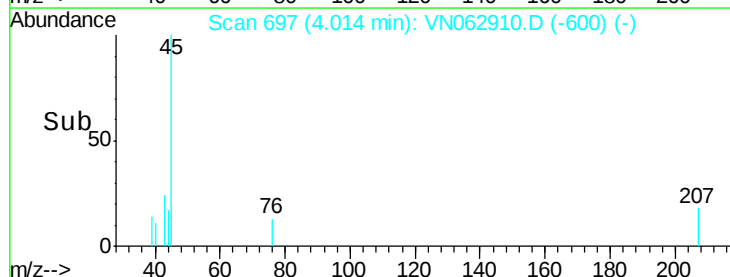
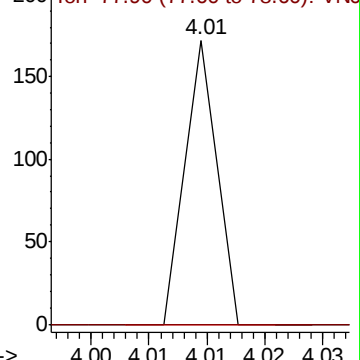
Ion Ratio Lower Upper

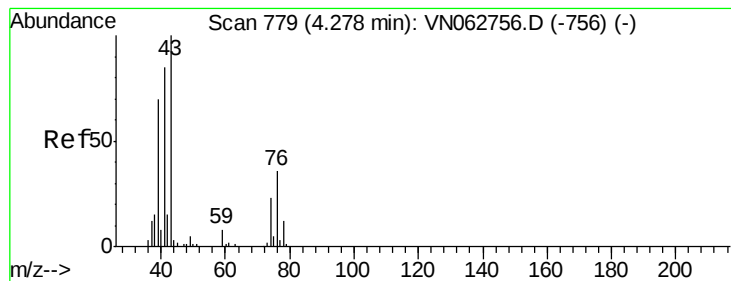
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062910.D (-600) (-)





#18

Methyl Acetate

Concen: Below Cal

RT: 4.29 min Scan# 783

Delta R.T. 0.01 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

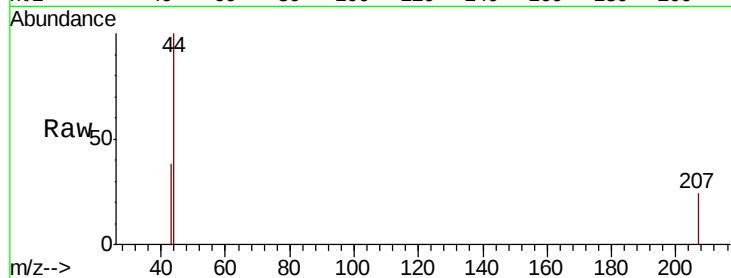
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

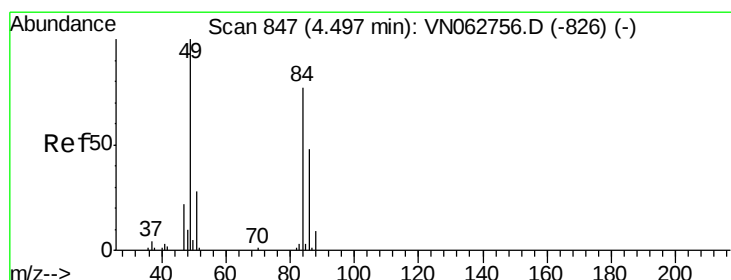
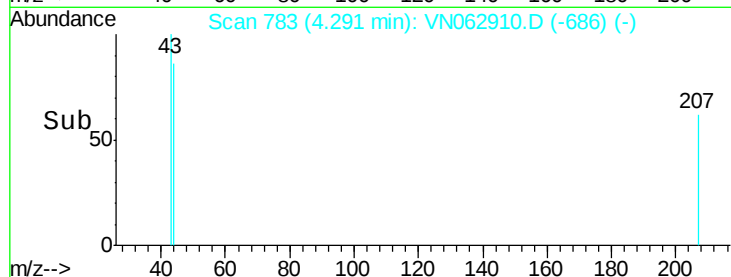
300

200

100

0

Time--> 4.27 4.28 4.29 4.30



#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 847

Delta R.T. 0.00 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

Tgt Ion: 84 Resp: 394

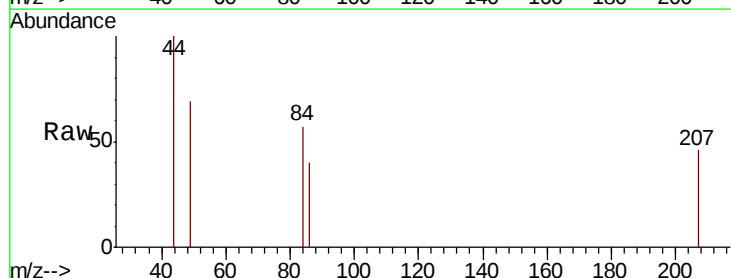
Ion Ratio Lower Upper

84 100

49 121.6 103.4 155.2

51 0.0 29.3 43.9#

86 71.4 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

400

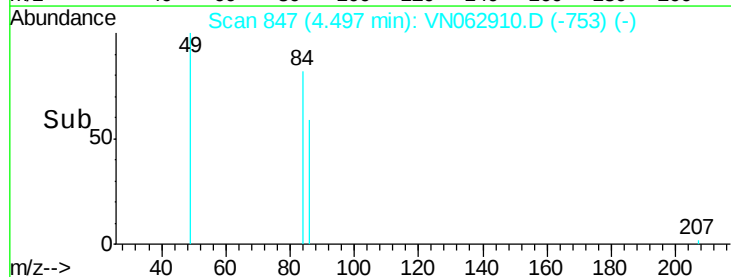
300

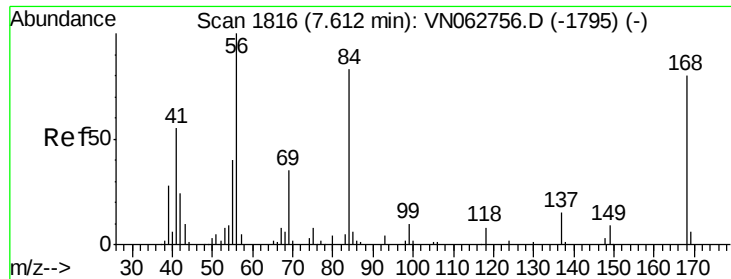
200

100

0

Time--> 4.46 4.48 4.50 4.52

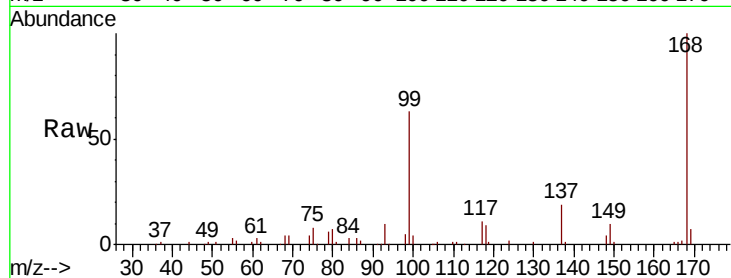




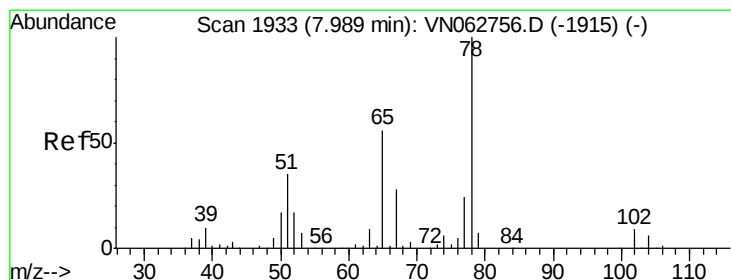
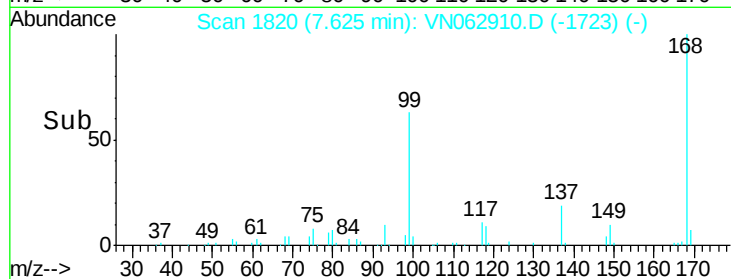
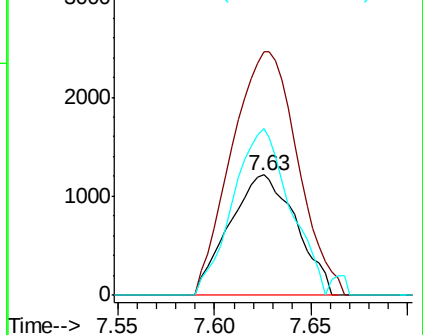
#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062910.D
Acq: 13 Aug 2020 14:50

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

Tot Ion: 56 Resp: 2915
Ion Ratio Lower Upper
56 100
69 202.0 28.1 42.1#
84 138.5 66.8 100.2#

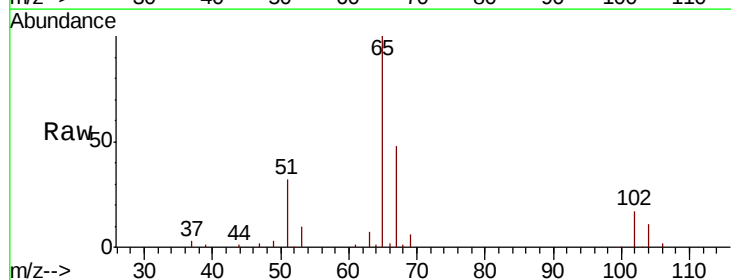


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

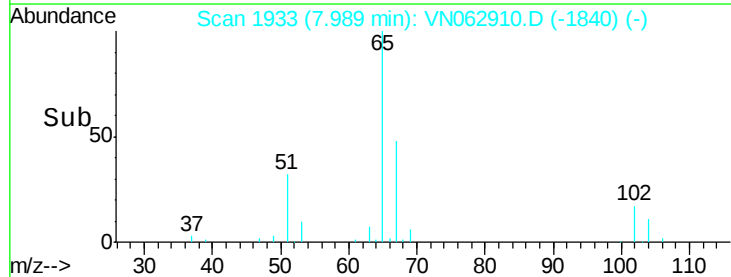
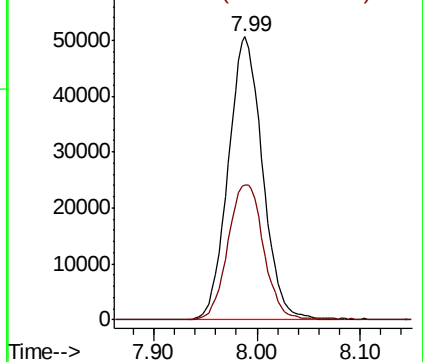


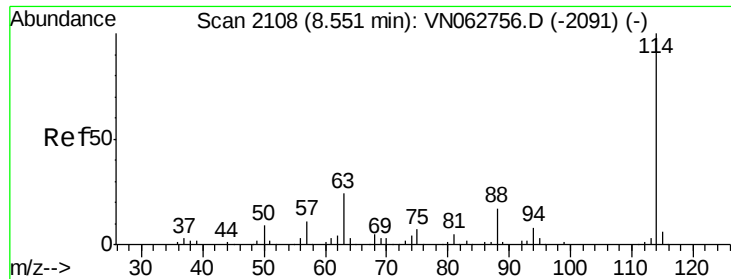
#33
1,2-Dichloroethane-d4
Concen: 51.767 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062910.D
Acq: 13 Aug 2020 14:50

Tgt Ion: 65 Resp: 117070
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.4



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

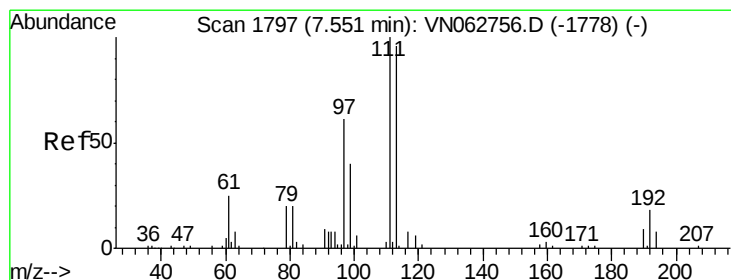
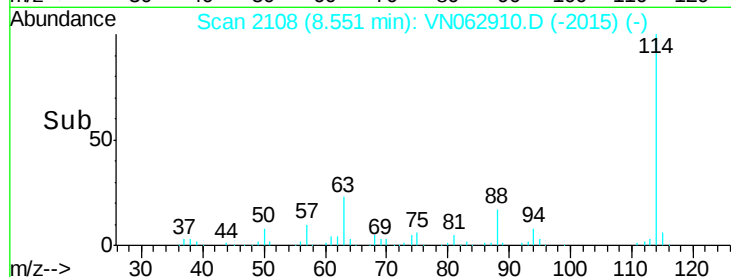
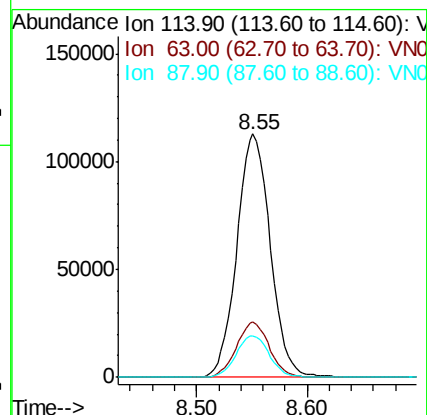
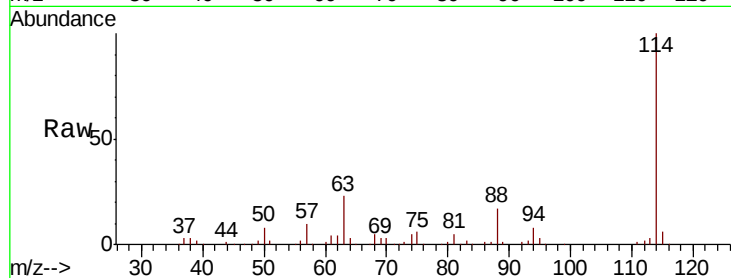




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062910.D
Acq: 13 Aug 2020 14:50

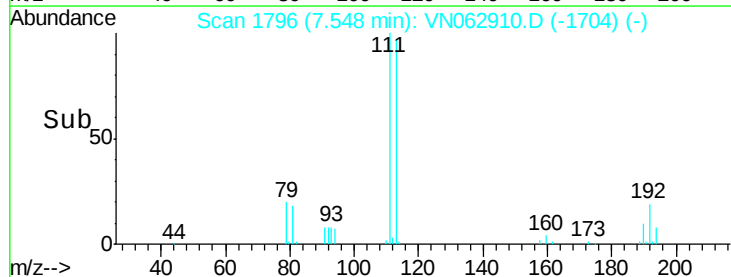
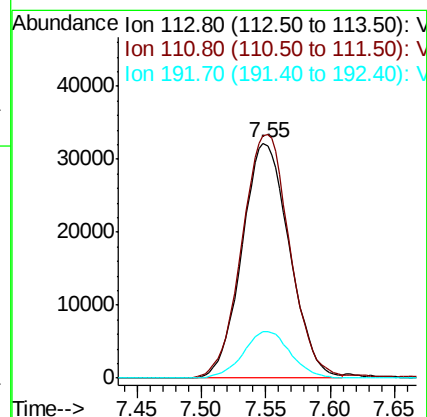
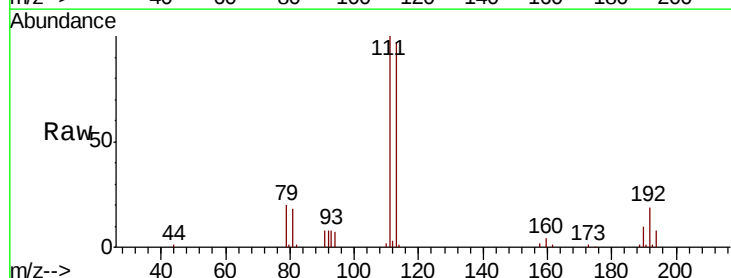
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STORAGE-BLANK-WATER-REF-4

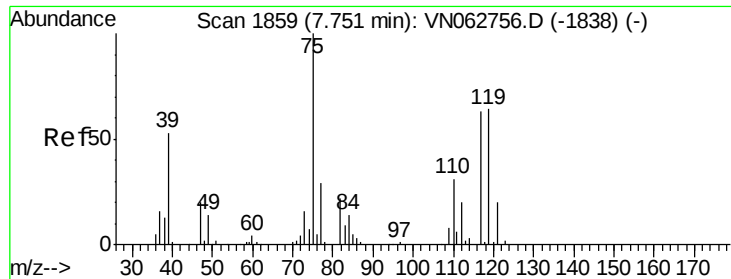
Tot Ion:114 Resp: 236445
Ion Ratio Lower Upper
114 100
63 22.7 0.0 47.6
88 17.3 0.0 34.4



#35
Dibromofluoromethane
Concen: 51.132 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062910.D
Acq: 13 Aug 2020 14:50

Tgt Ion:113 Resp: 82702
Ion Ratio Lower Upper
113 100
111 104.6 81.8 122.6
192 19.5 15.0 22.4

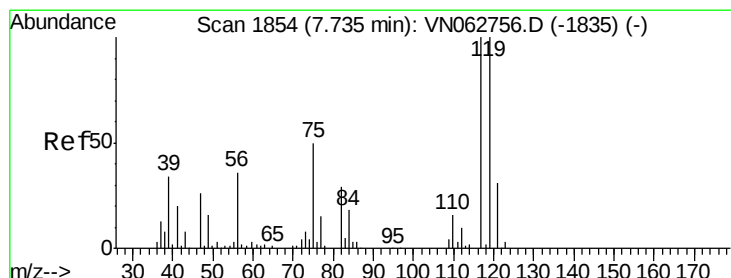
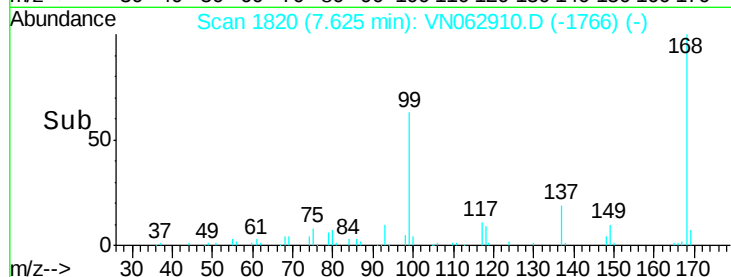
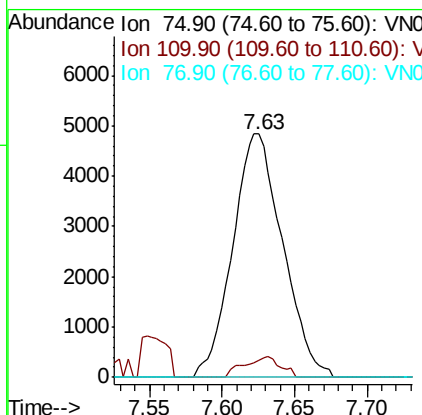
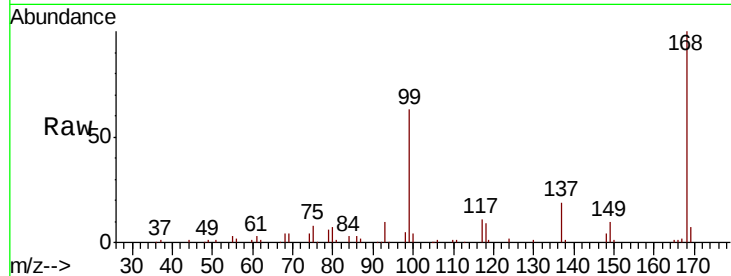




#36
 1,1-Dichloropropene
 Concen: 5.033 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062910.D
 Acq: 13 Aug 2020 14:50

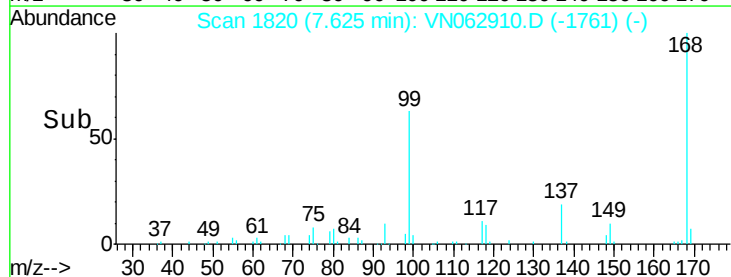
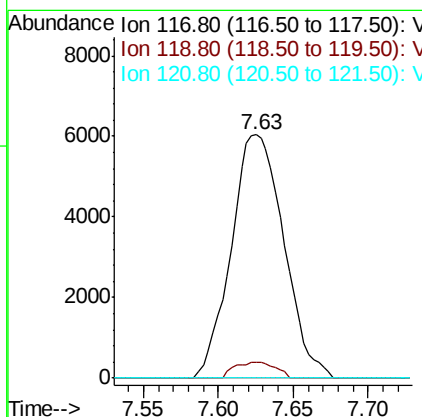
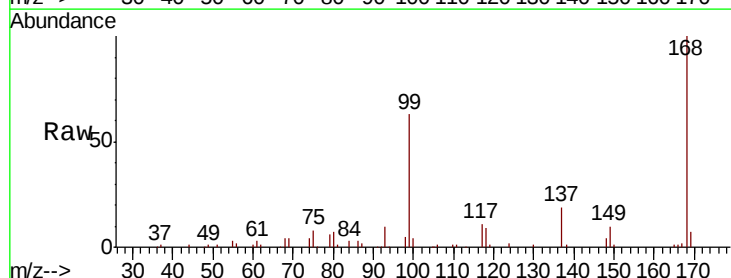
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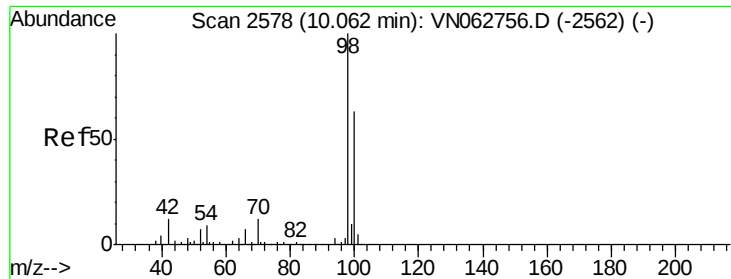
Tot Ion: 75 Resp: 11588
 Ion Ratio Lower Upper
 75 100
 110 6.1 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.423 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062910.D
 Acq: 13 Aug 2020 14:50

Tgt Ion: 117 Resp: 14767
 Ion Ratio Lower Upper
 117 100
 119 6.7 79.4 119.2#
 121 0.0 24.9 37.3#

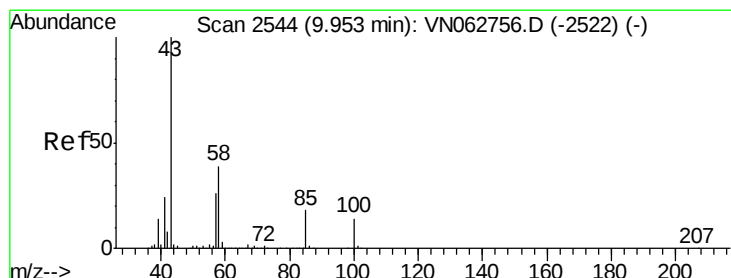
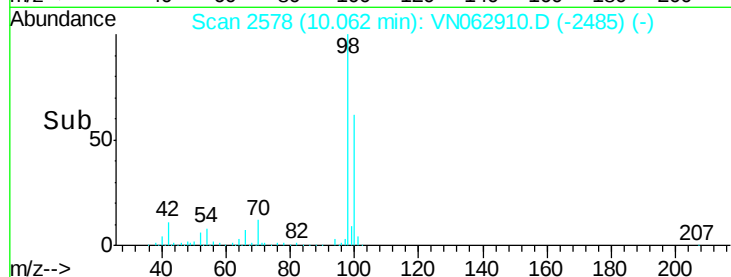
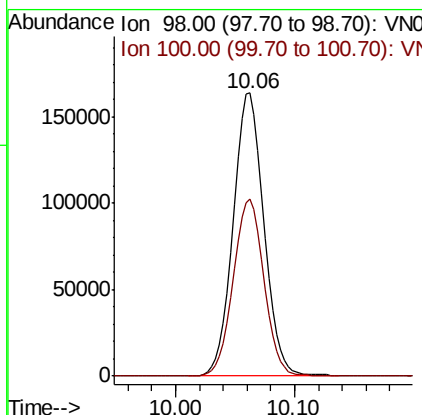
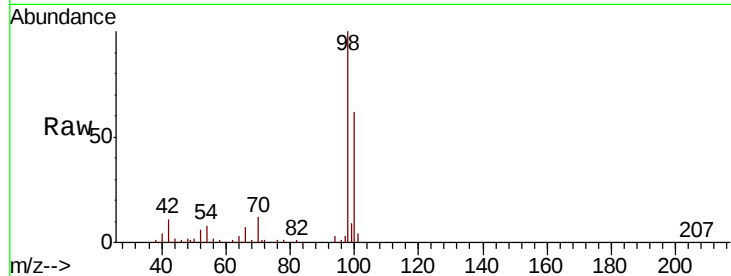




#50
Toluene-d8
Concen: 46.428 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062910.D
Acq: 13 Aug 2020 14:50

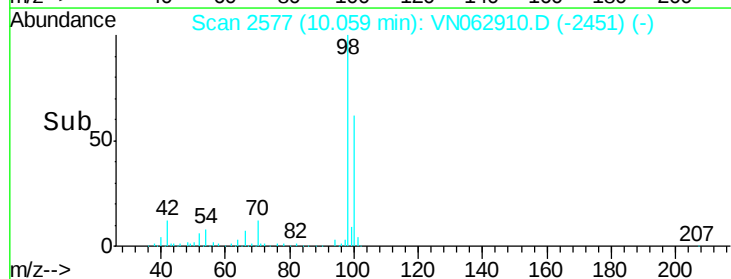
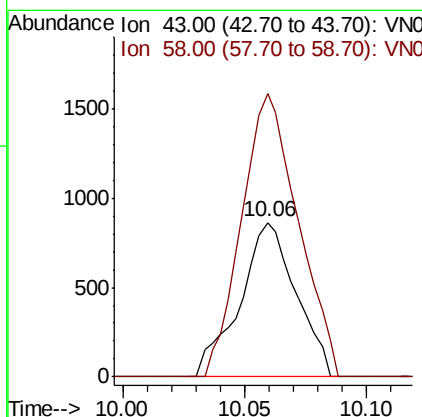
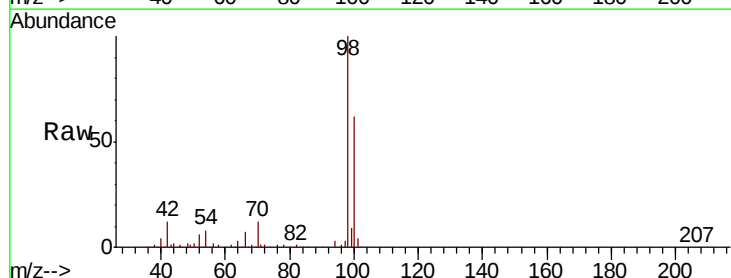
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

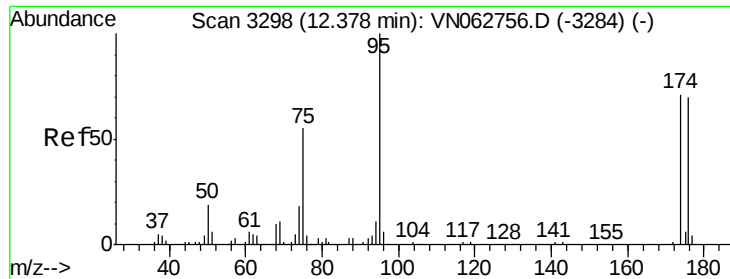
Tot Ion: 98 Resp: 293171
Ion Ratio Lower Upper
98 100
100 62.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.530 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN062910.D
Acq: 13 Aug 2020 14:50

Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
58 184.7 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 43.436 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

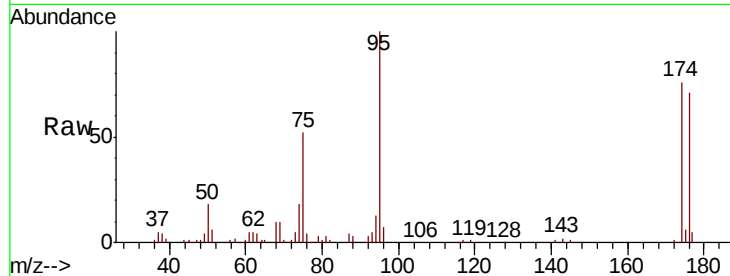
Tot Ion: 95 Resp: 103649

Ion Ratio Lower Upper

95 100

174 75.1 0.0 144.8

176 73.0 0.0 142.2



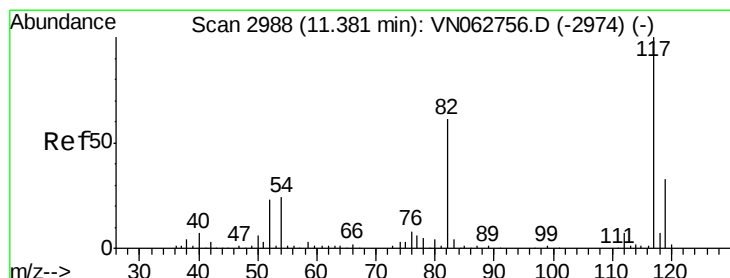
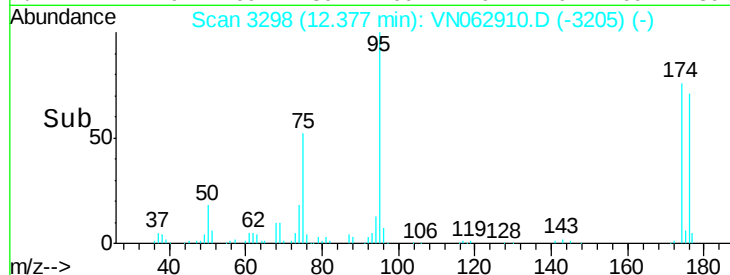
Abundance Ion 94.90 (94.60 to 95.60): VN062910.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062910.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062910.D (-3205) (-)

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

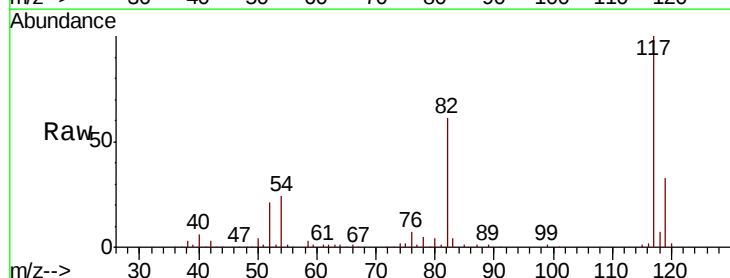
Tgt Ion: 117 Resp: 216271

Ion Ratio Lower Upper

117 100

82 60.8 49.0 73.4

119 32.9 26.2 39.2



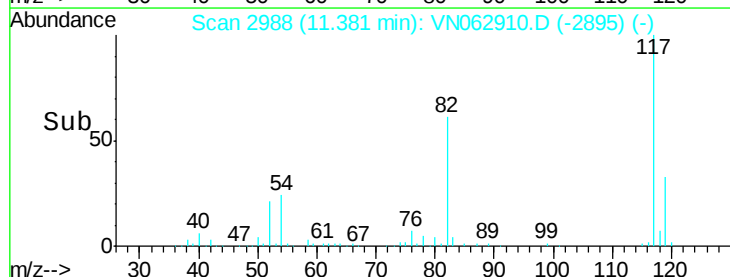
Abundance Ion 116.90 (116.60 to 117.60): VN062910.D (-2895) (-)

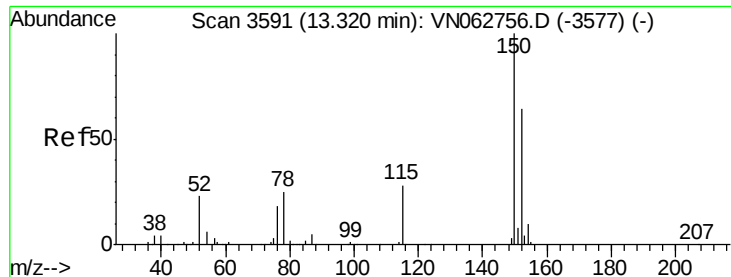
Ion 82.00 (81.70 to 82.70): VN062910.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062910.D (-2895) (-)

11.38

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

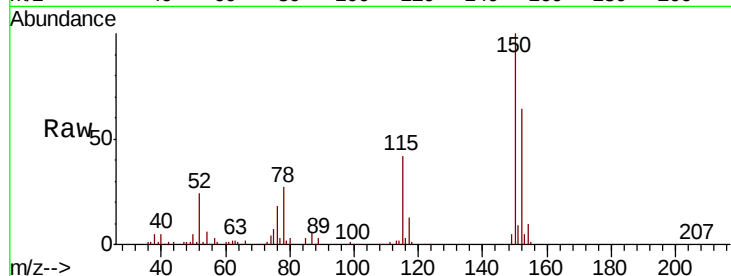
Tot Ion:152 Resp: 80055

Ion Ratio Lower Upper

152 100

115 64.5 31.6 94.8

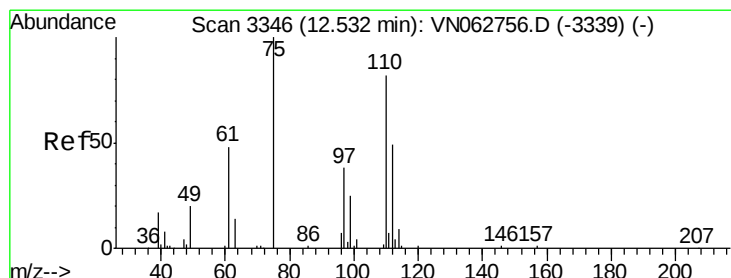
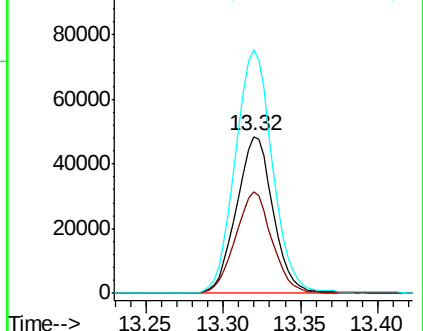
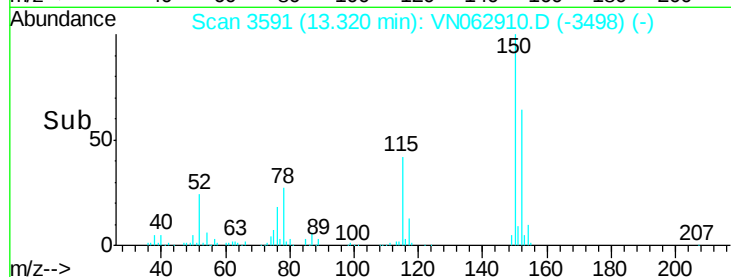
150 157.6 0.0 349.2



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: 25.330 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062910.D

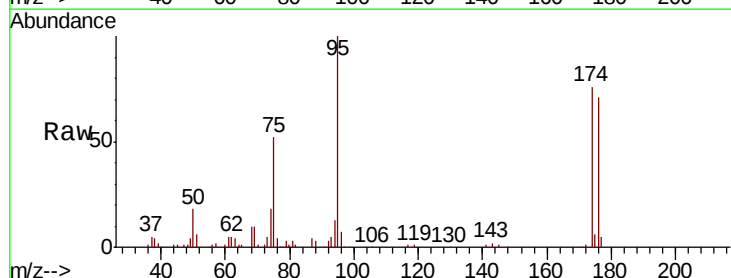
Acq: 13 Aug 2020 14:50

Tgt Ion: 75 Resp: 54687

Ion Ratio Lower Upper

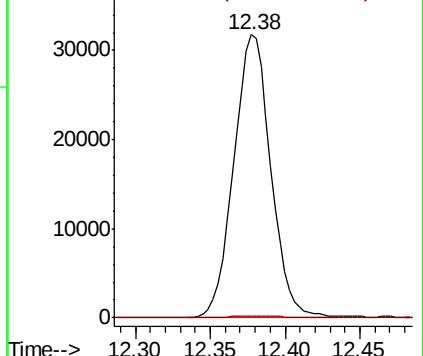
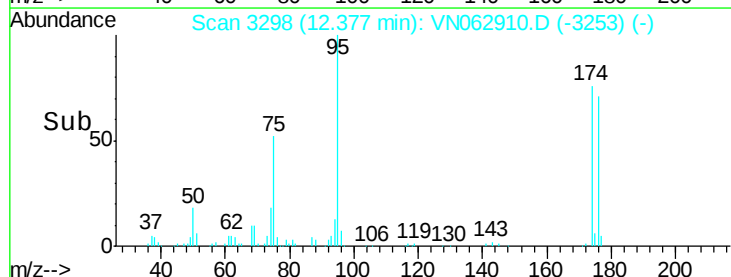
75 100

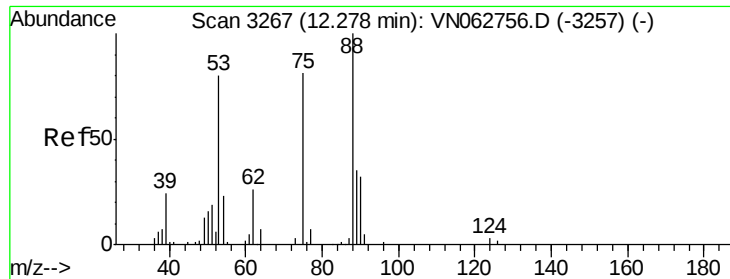
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 77.325 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

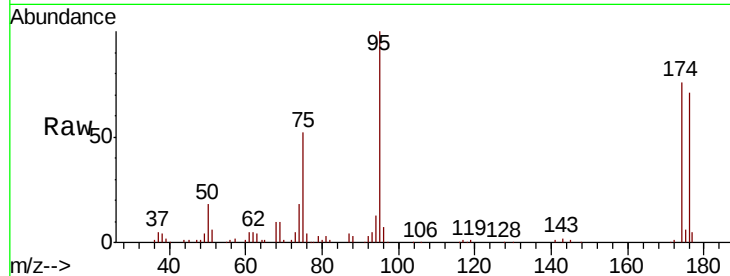
Tot Ion: 75 Resp: 54687

Ion Ratio Lower Upper

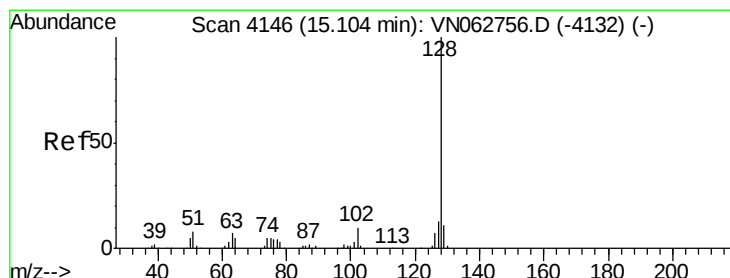
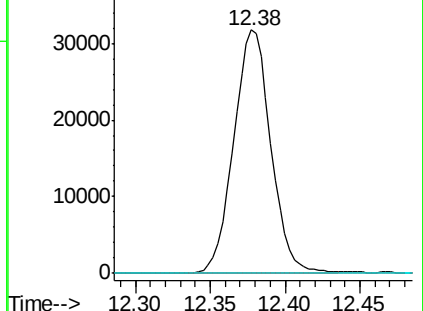
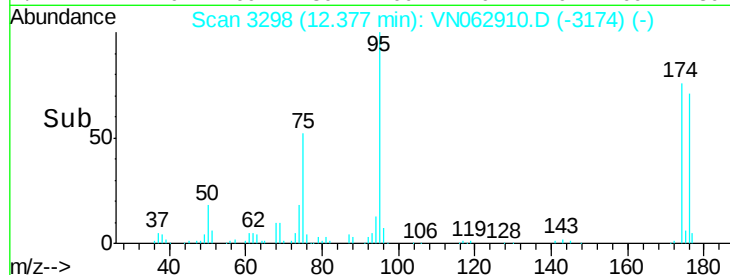
75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062910.D (-3174) (-)



#95

Naphthalene

Concen: 3.747 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062910.D

Acq: 13 Aug 2020 14:50

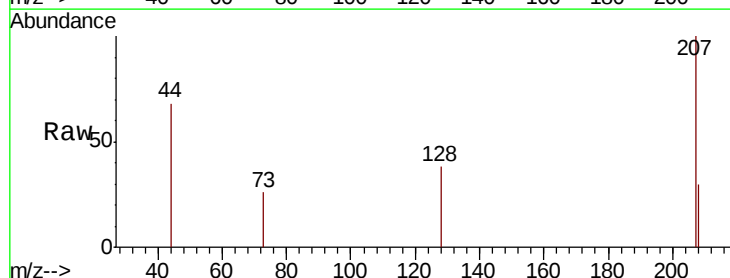
Tgt Ion: 128 Resp: 156

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN062910.D (-4053) (-)

