

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062909.D
 Acq On : 13 Aug 2020 14:26
 Operator : JC/MD
 Sample : L3619-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 14 05:07:31 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

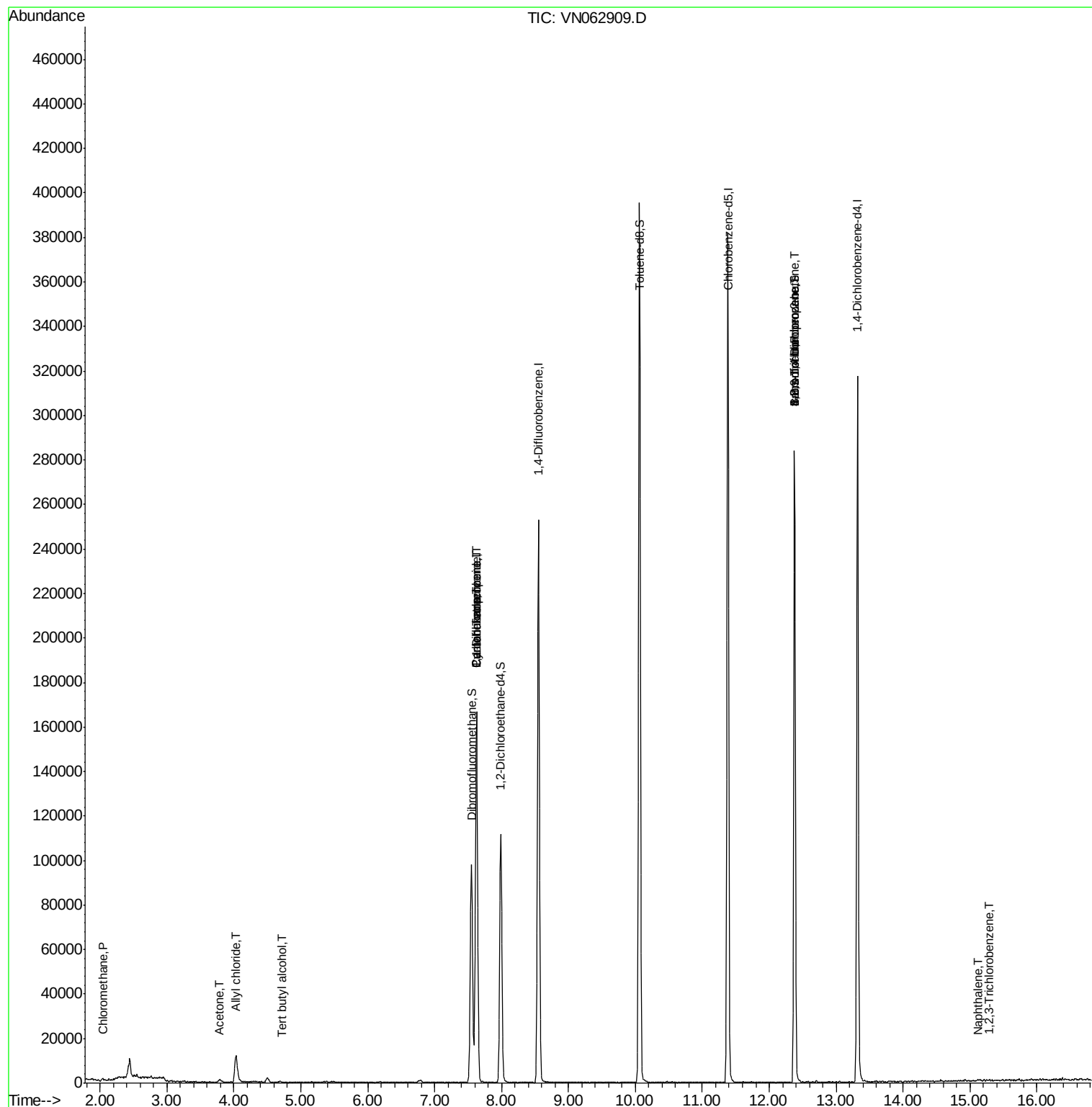
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	124312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	215345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	216468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84420	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	105579	51.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	7.55	113	74779	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
50) Toluene-d8	10.06	98	274736	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.38	95	99636	45.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	1071	0.638	ug/l	95
11) Tert butyl alcohol	4.72	59	155	0.460	ug/l #	72
14) Allyl chloride	4.04	41	2165	0.995	ug/l #	76
16) Acetone	3.78	43	2632	3.543	ug/l	90
17) Carbon Disulfide	4.00	76	407	Below Cal	#	74
18) Methyl Acetate	4.31	43	253	Below Cal	#	52
31) Cyclohexane	7.63	56	2722	1.092	ug/l #	16
36) 1,1-Dichloropropene	7.63	75	10468	4.992	ug/l #	54
38) Carbon Tetrachloride	7.63	117	13702	5.525	ug/l #	15
71) Bromoform	12.37	173	340	0.229	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53651	23.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53651	71.938	ug/l #	10
95) Naphthalene	15.11	128	731	3.883	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.29	180	357	2.982	ug/l #	31

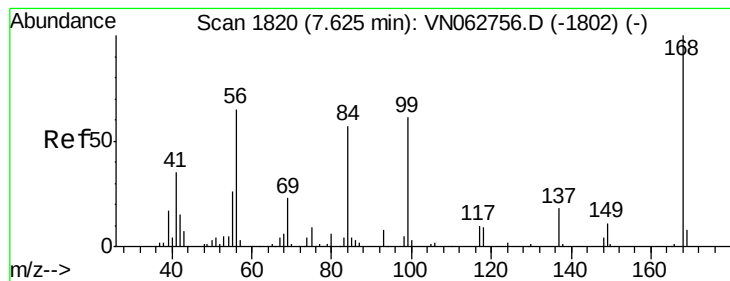
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081320\
Data File : VN062909.D
Acq On : 13 Aug 2020 14:26
Operator : JC/MD
Sample : L3619-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 14 05:07:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
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: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

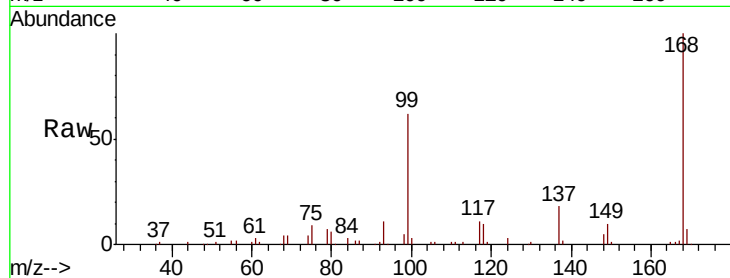
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 124312

Ion Ratio Lower Upper

168 100

99 61.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

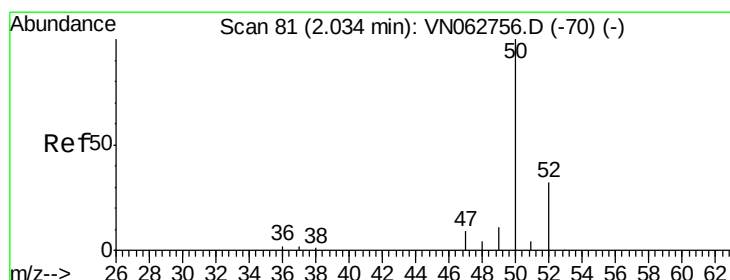
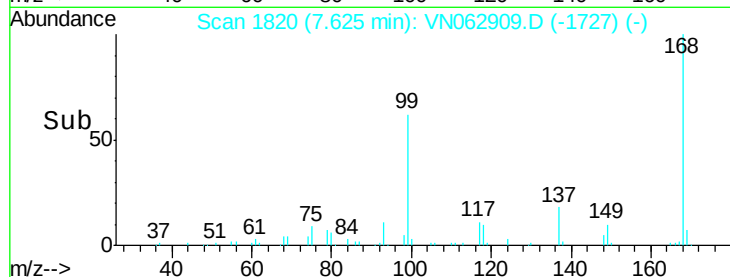
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.638 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062909.D

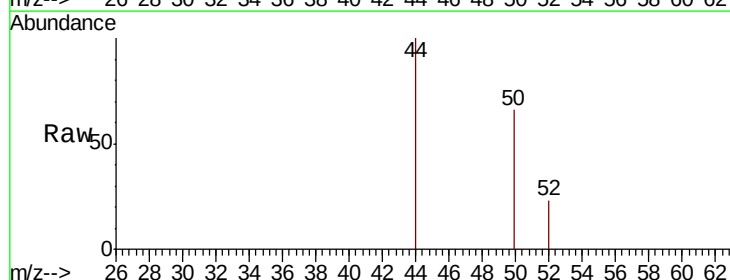
Acq: 13 Aug 2020 14:26

Tgt Ion: 50 Resp: 1071

Ion Ratio Lower Upper

50 100

52 34.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

800

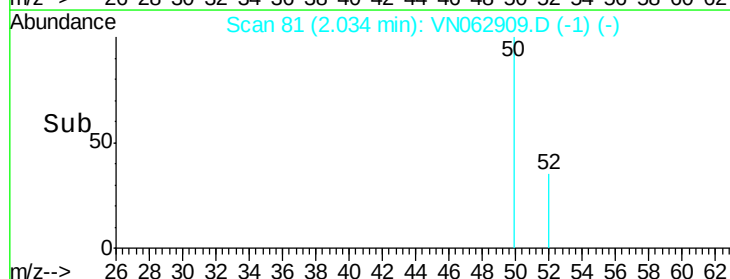
600

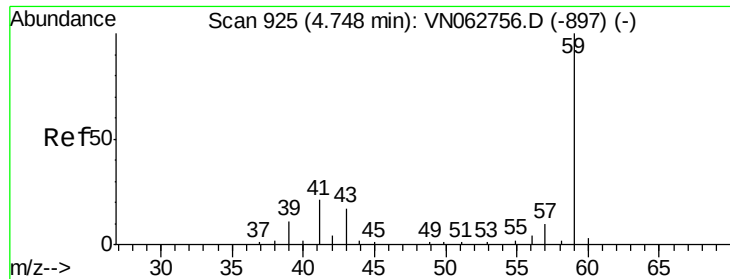
400

200

0

Time--> 2.00 2.02 2.04 2.06

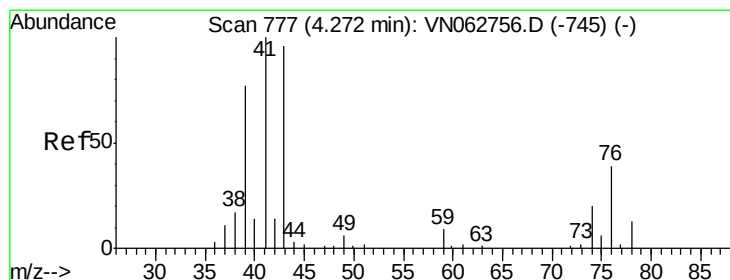
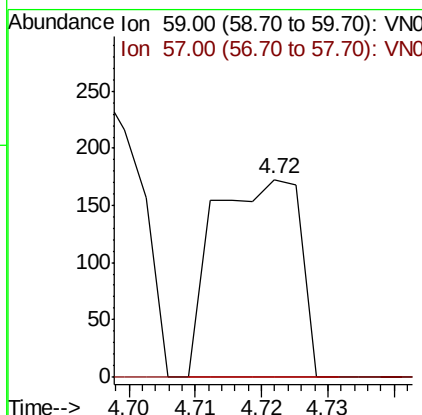
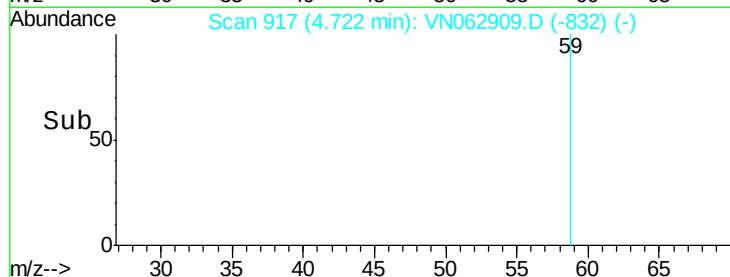
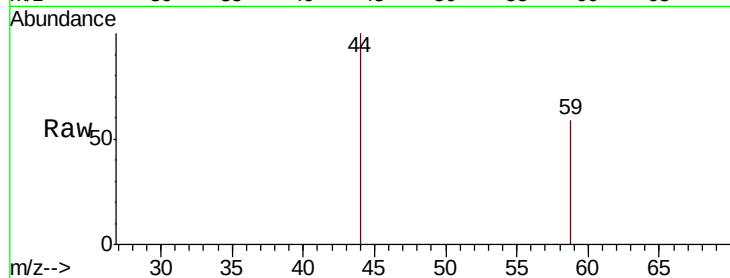




#11
Tert butyl alcohol
Concen: 0.460 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.03 min
Lab File: VN062909.D
Acq: 13 Aug 2020 14:26

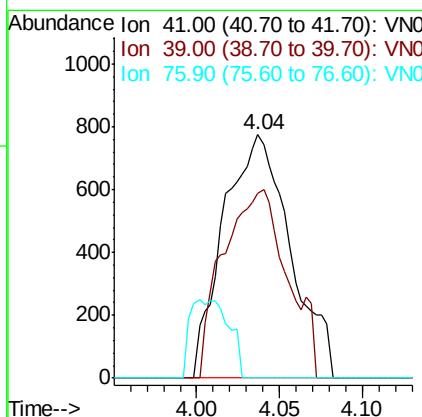
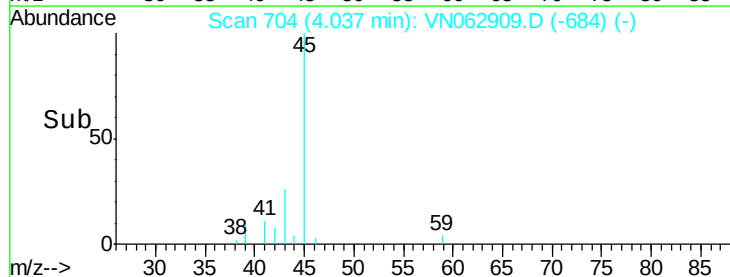
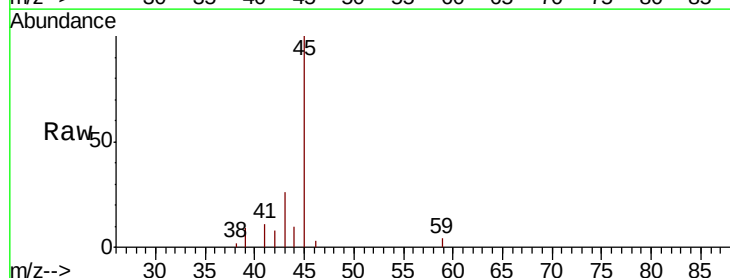
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

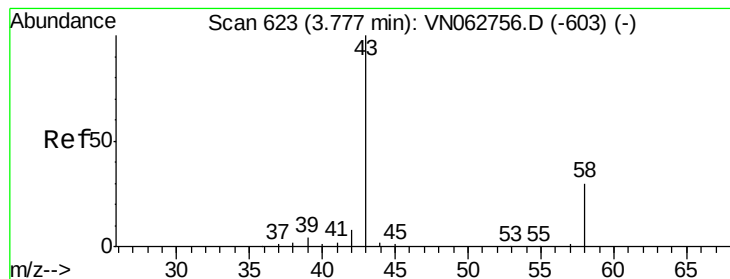
Tot Ion: 59 Resp: 155
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.995 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.23 min
Lab File: VN062909.D
Acq: 13 Aug 2020 14:26

Tgt Ion: 41 Resp: 2165
Ion Ratio Lower Upper
41 100
39 74.9 55.7 83.5
76 0.0 27.5 41.3#





#16

Acetone

Concen: 3.543 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

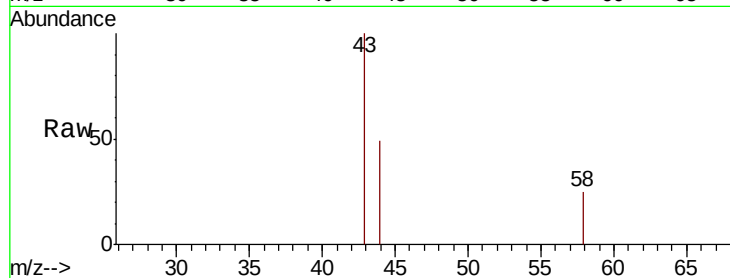
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 2632

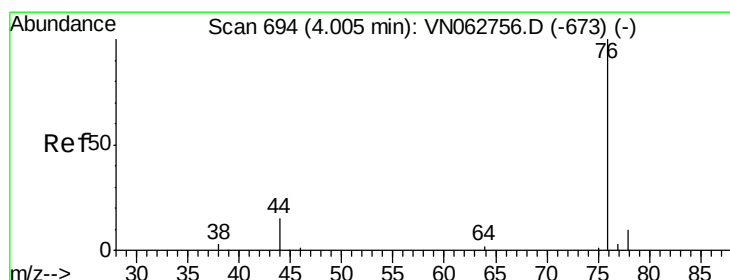
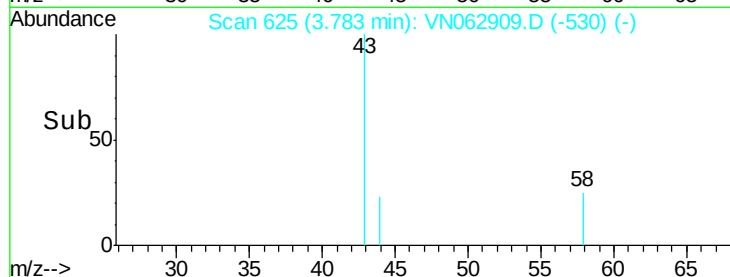
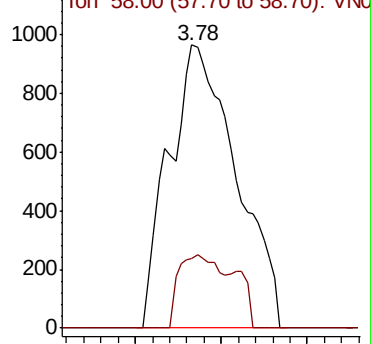
Ion Ratio Lower Upper

43 100

58 24.6 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062909.D (-530) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062909.D

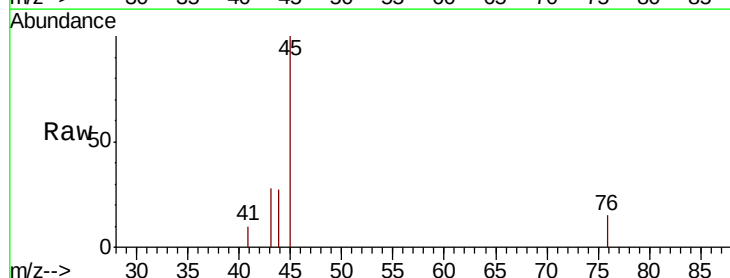
Acq: 13 Aug 2020 14:26

Tgt Ion: 76 Resp: 407

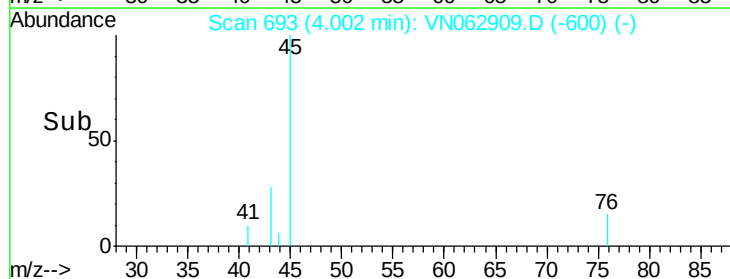
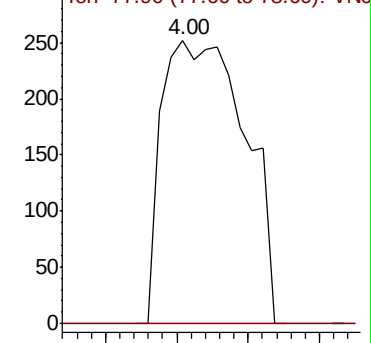
Ion Ratio Lower Upper

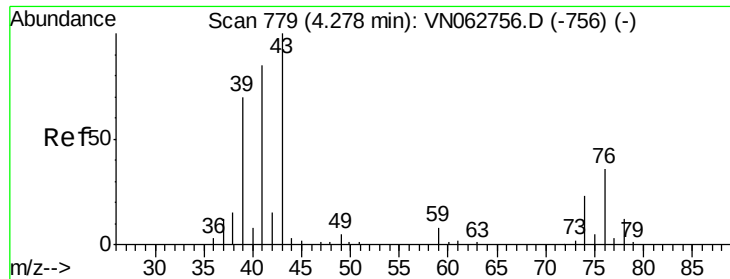
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN062909.D (-600) (-)

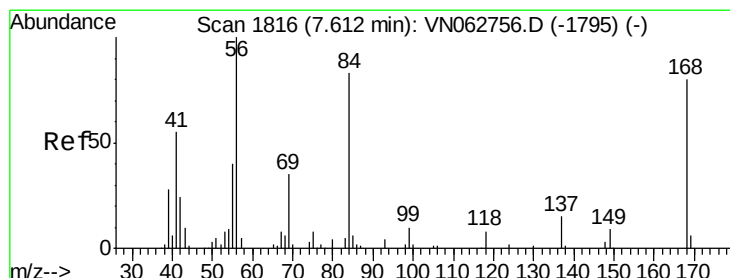
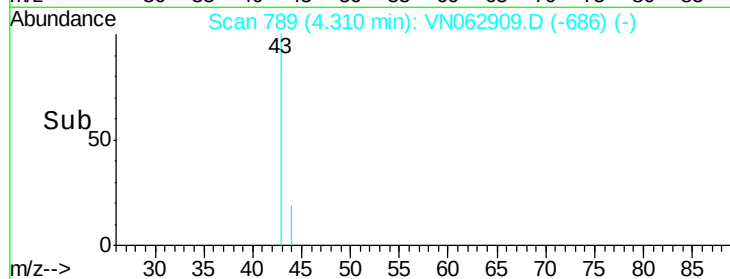
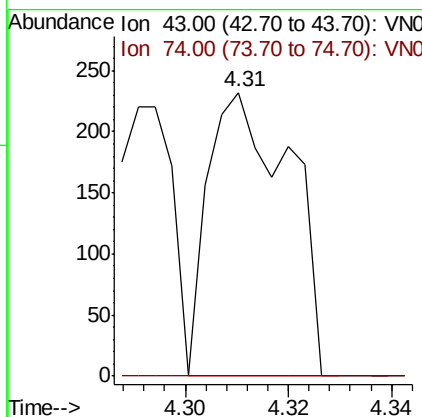
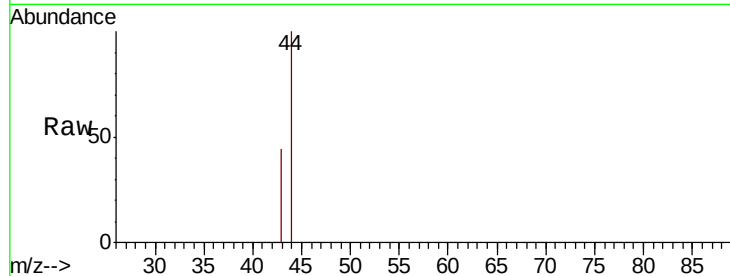




#18
Methvl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 789
Delta R.T. 0.03 min
Lab File: VN062909.D
Acq: 13 Aug 2020 14:26

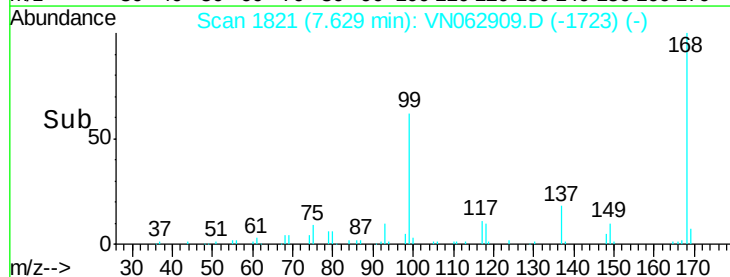
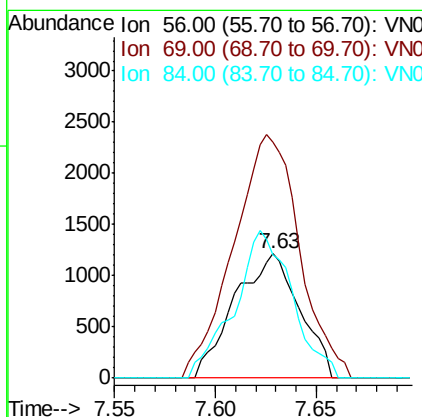
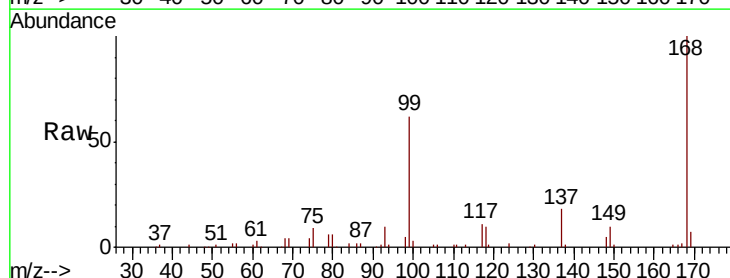
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

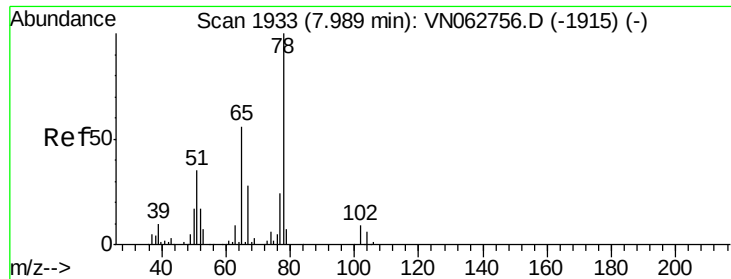
Tot Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062909.D
Acq: 13 Aug 2020 14:26

Tgt Ion: 56 Resp: 2722
Ion Ratio Lower Upper
56 100
69 176.5 28.1 42.1#
84 99.5 66.8 100.2

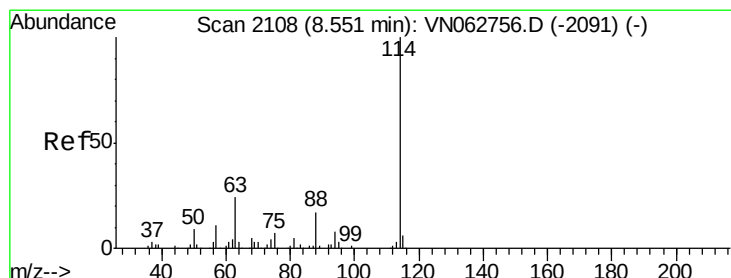
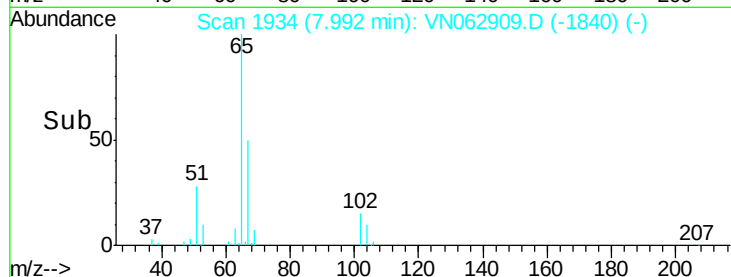
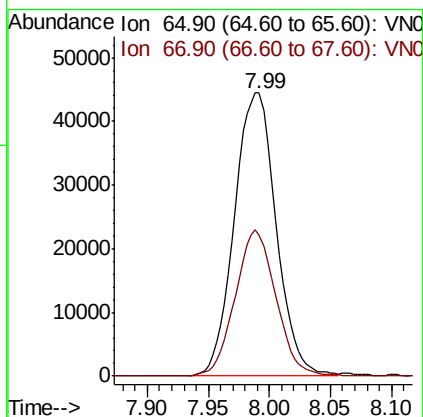
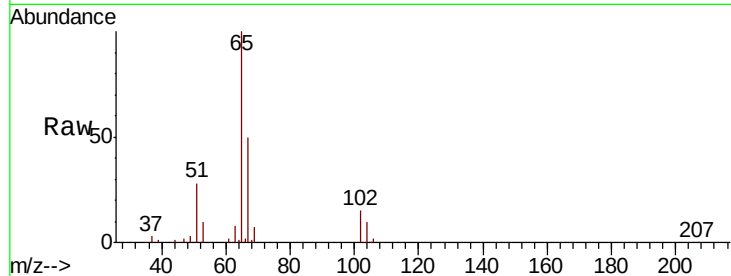




#33
 1,2-Dichloroethane-d4
 Concen: 51.358 ug/l
 RT: 7.99 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: VN062909.D
 Acq: 13 Aug 2020 14:26

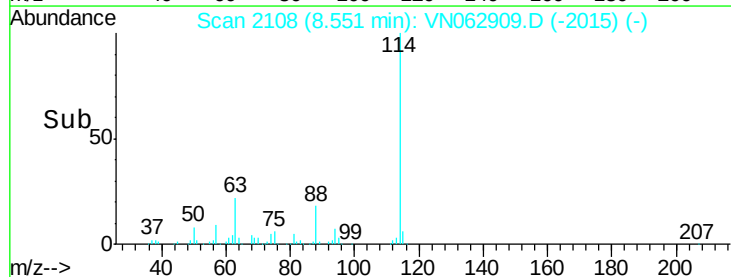
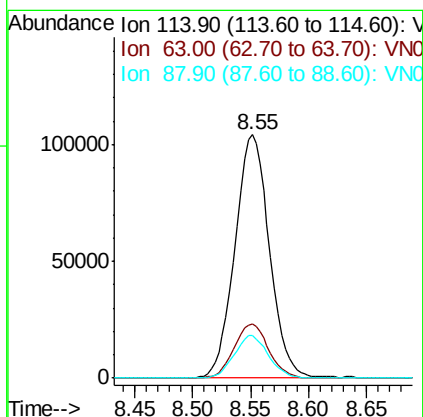
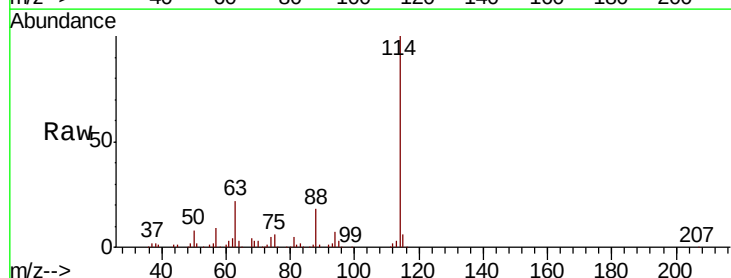
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

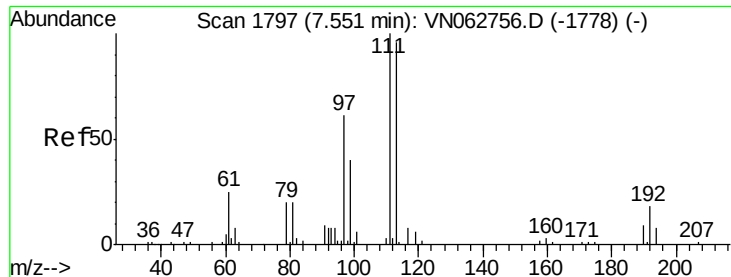
Tot Ion: 65 Resp: 105579
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062909.D
 Acq: 13 Aug 2020 14:26

Tgt Ion: 114 Resp: 215345
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 47.6
 88 17.5 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.764 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

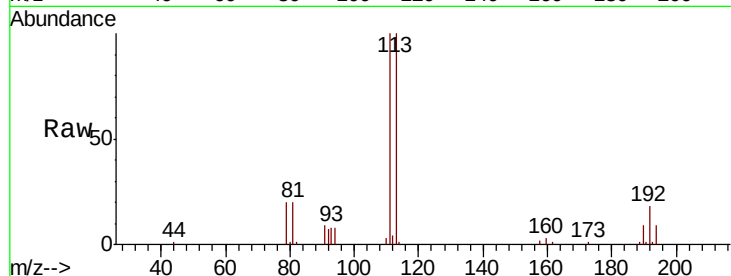
Tot Ion:113 Resp: 74779

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.6

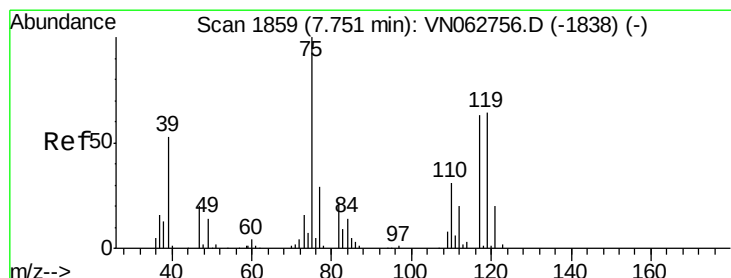
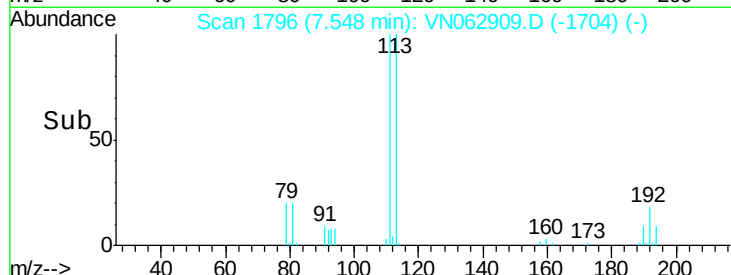
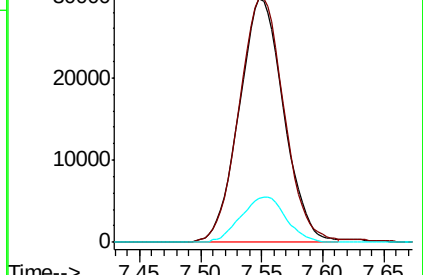
192 18.7 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.992 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

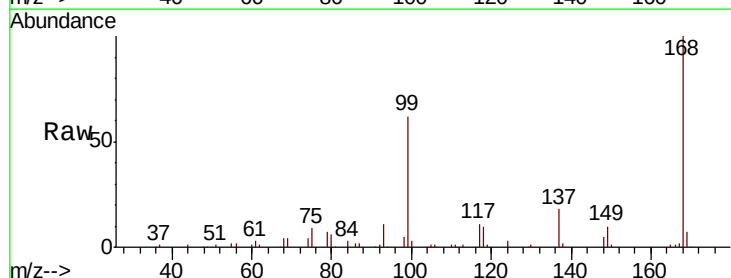
Tgt Ion: 75 Resp: 10468

Ion Ratio Lower Upper

75 100

110 10.4 15.6 46.7#

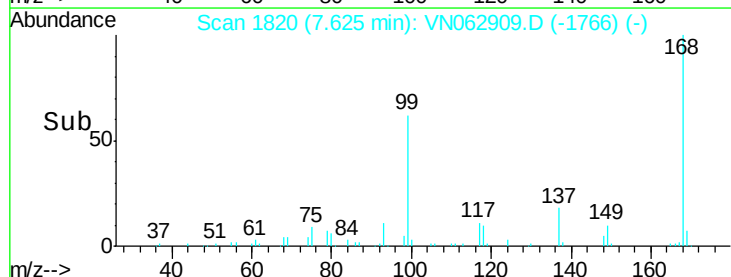
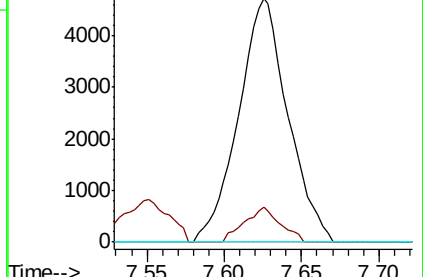
77 0.0 24.1 36.1#

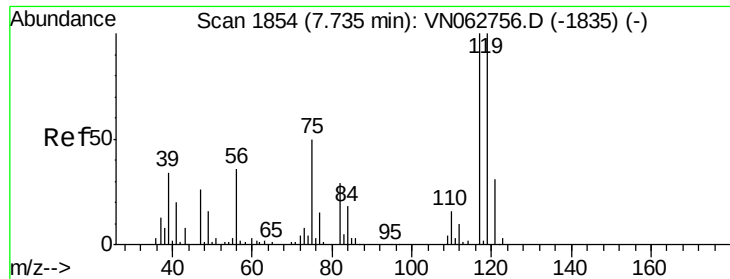


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.525 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

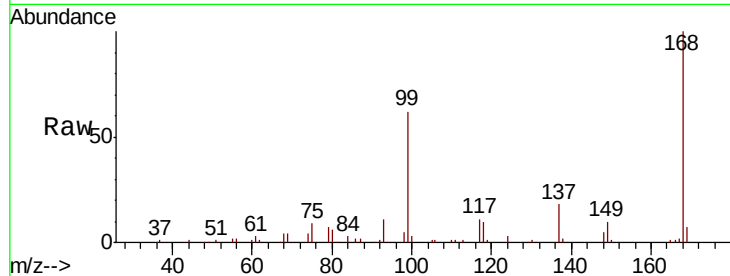
Tot Ion:117 Resp: 13702

Ion Ratio Lower Upper

117 100

119 5.9 79.4 119.2#

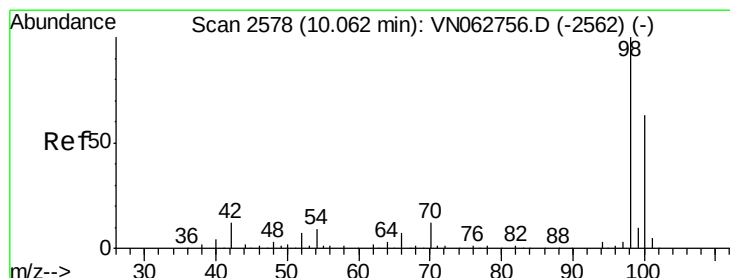
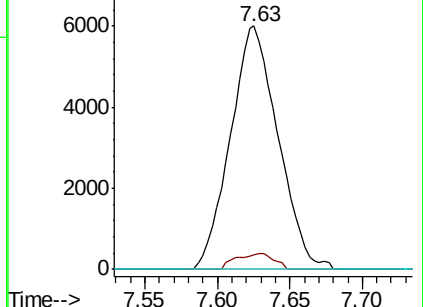
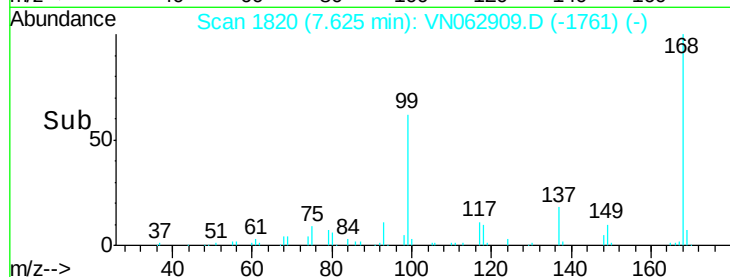
121 0.0 24.9 37.3#



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: 47.772 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062909.D

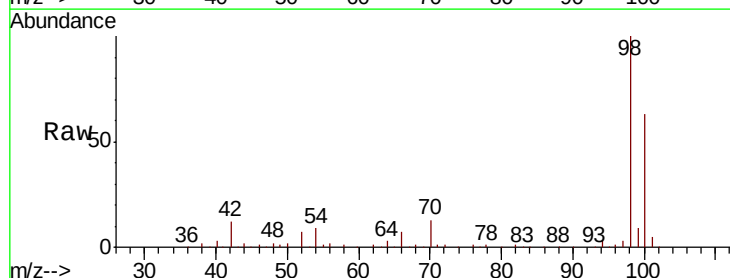
Acq: 13 Aug 2020 14:26

Tgt Ion: 98 Resp: 274736

Ion Ratio Lower Upper

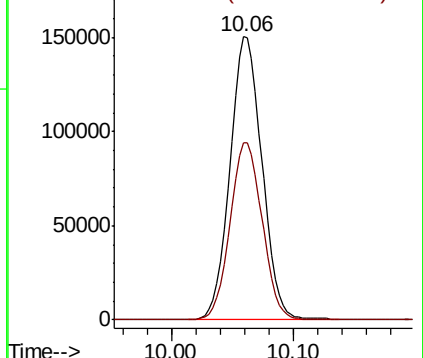
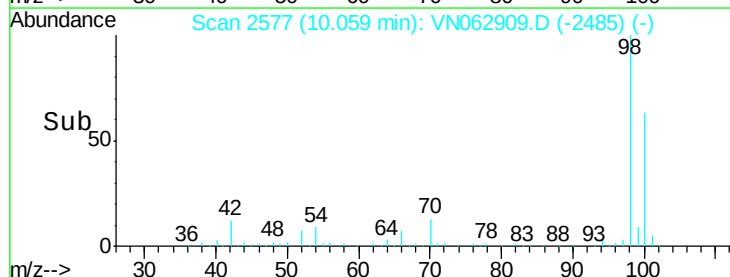
98 100

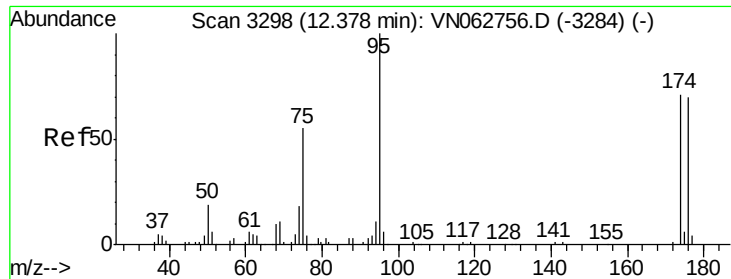
100 62.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 45.845 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

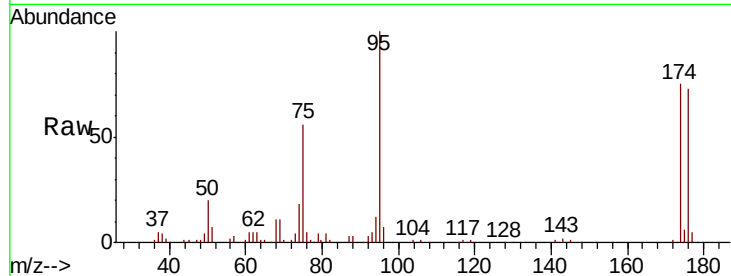
Tot Ion: 95 Resp: 99636

Ion Ratio Lower Upper

95 100

174 76.5 0.0 144.8

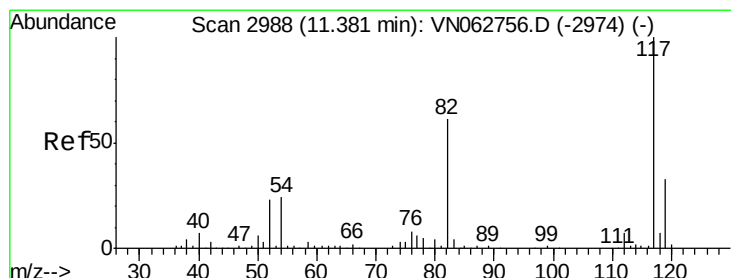
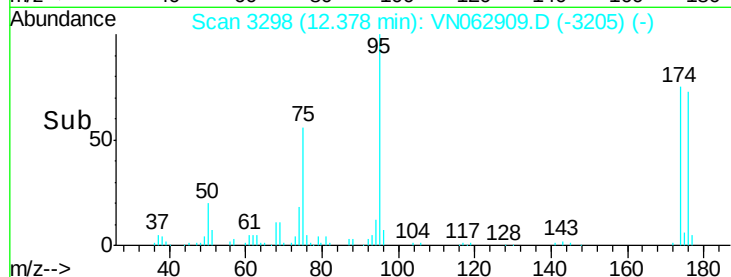
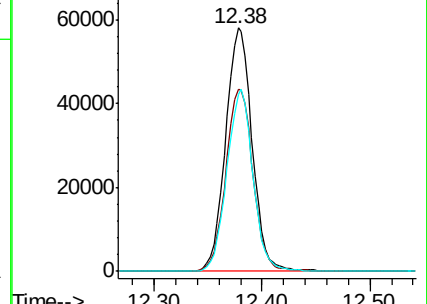
176 73.1 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062756.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062756.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

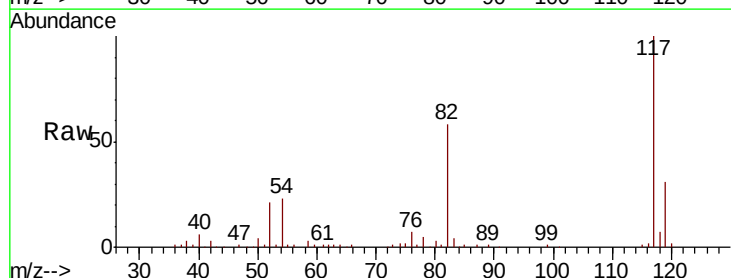
Tgt Ion: 117 Resp: 216468

Ion Ratio Lower Upper

117 100

82 58.3 49.0 73.4

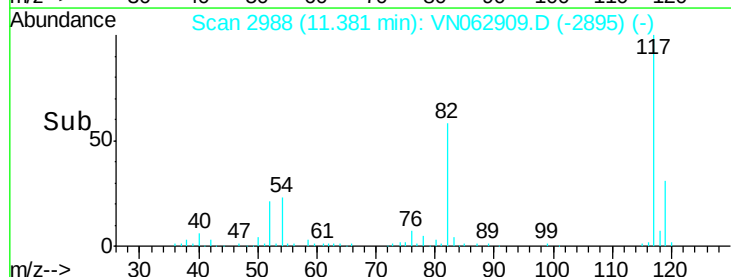
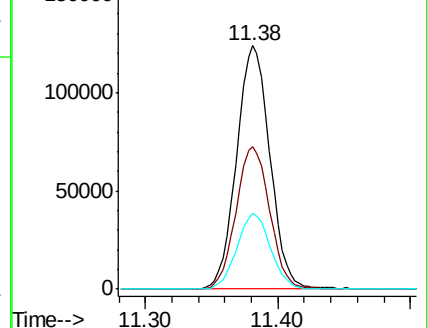
119 31.0 26.2 39.2

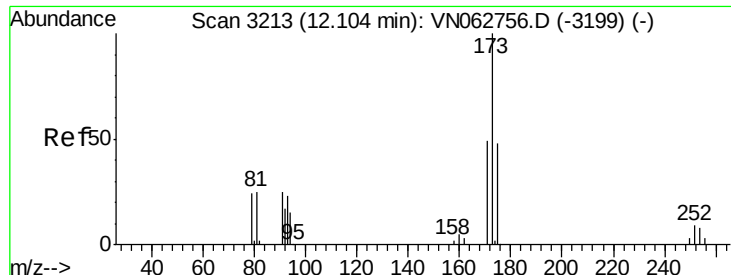


Abundance Ion 116.90 (116.60 to 117.60): VN062756.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062756.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062756.D (-2974) (-)





#71

Bromoform

Concen: 0.229 ug/l

RT: 12.37 min Scan# 3296

Delta R.T. 0.27 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

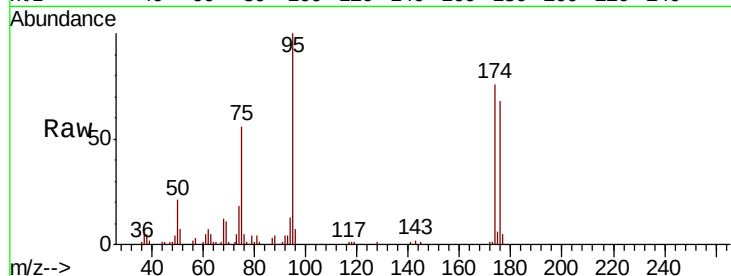
Tot Ion:173 Resp: 340

Ion Ratio Lower Upper

173 100

175 1607.4 24.0 72.0#

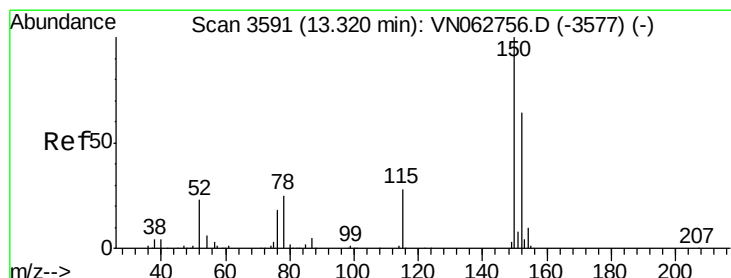
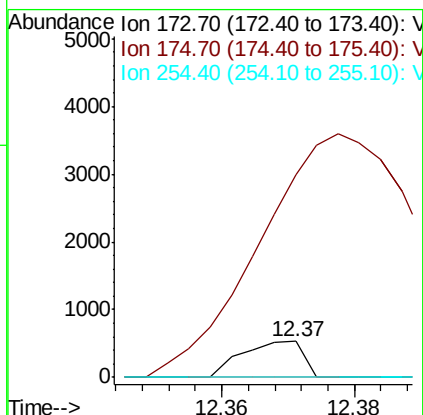
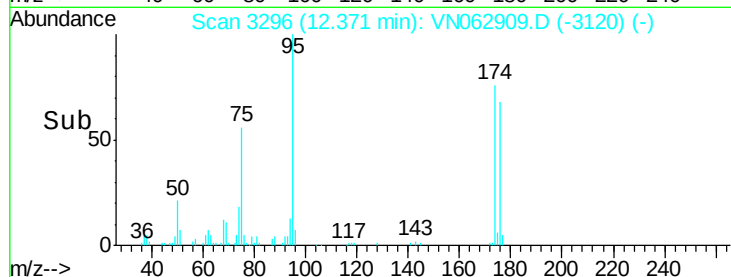
254 0.0 0.0 0.0



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: VN062909.D

Acq: 13 Aug 2020 14:26

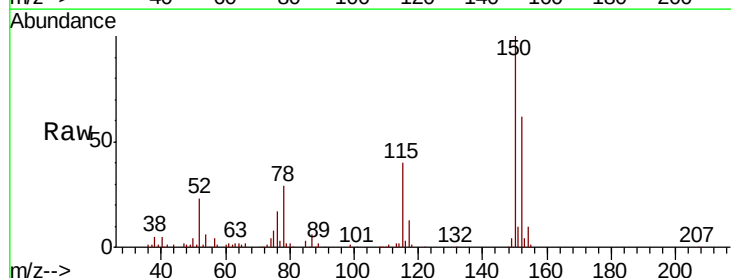
Tgt Ion:152 Resp: 84420

Ion Ratio Lower Upper

152 100

115 62.6 31.6 94.8

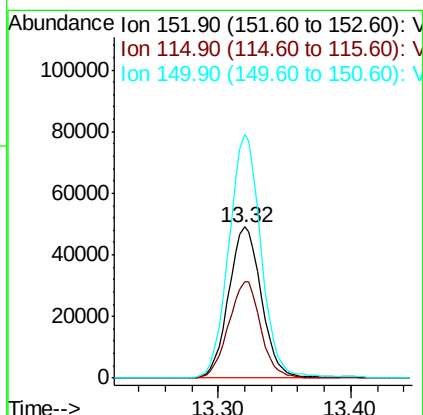
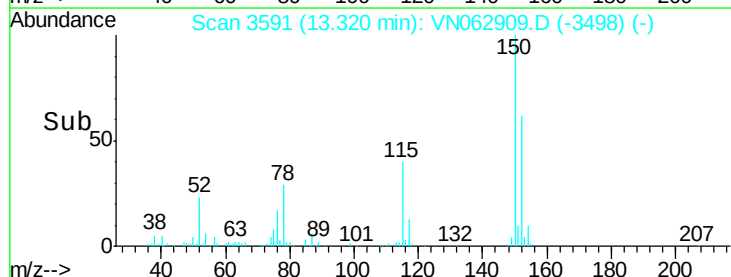
150 158.0 0.0 349.2

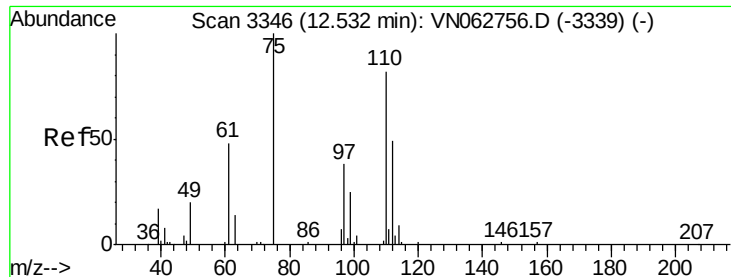


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.565 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

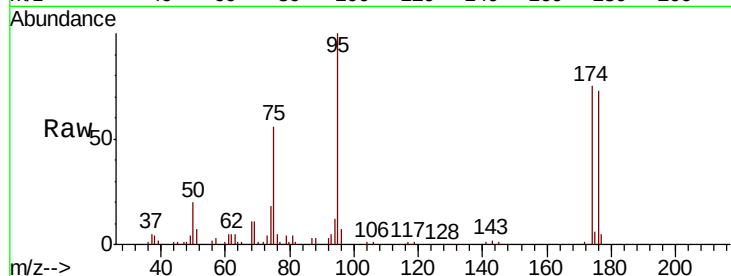
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 53651

Ion Ratio Lower Upper

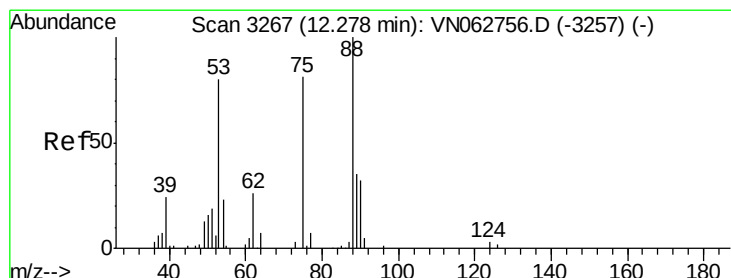
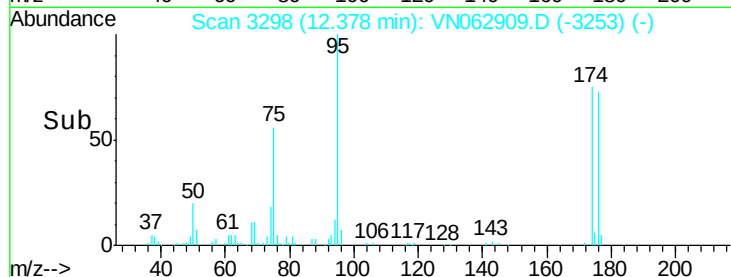
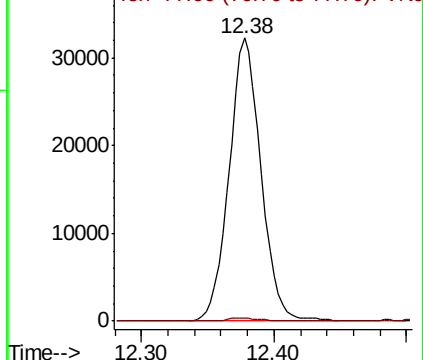
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.938 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

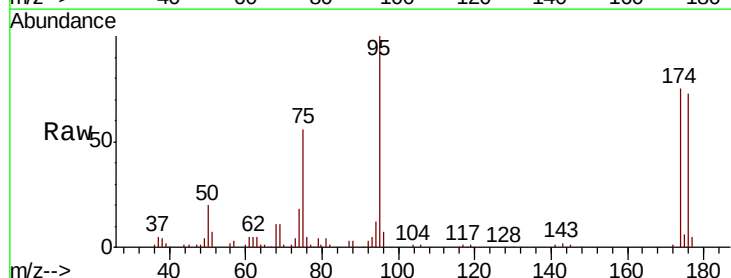
Tgt Ion: 75 Resp: 53651

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

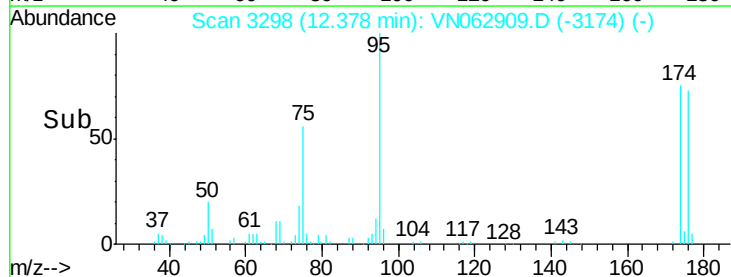
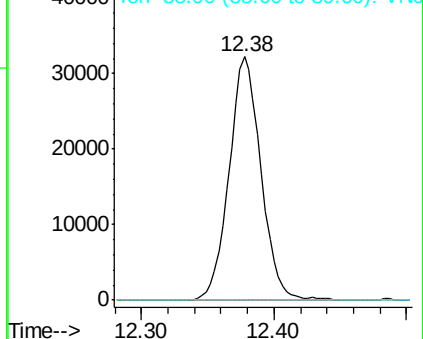
89 0.0 36.2 54.2#

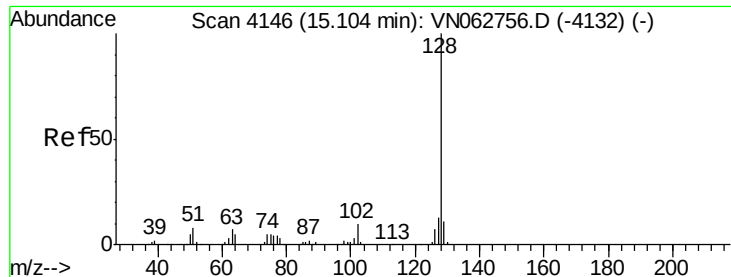


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.883 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

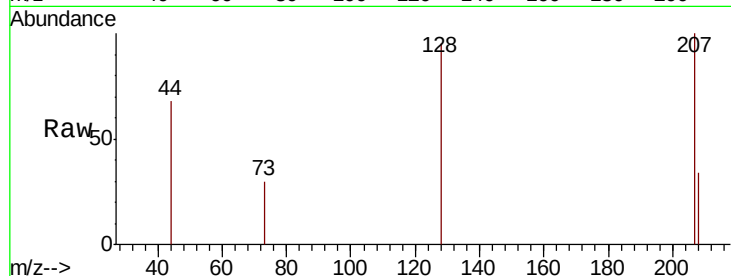
Tot Ion:128 Resp: 731

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

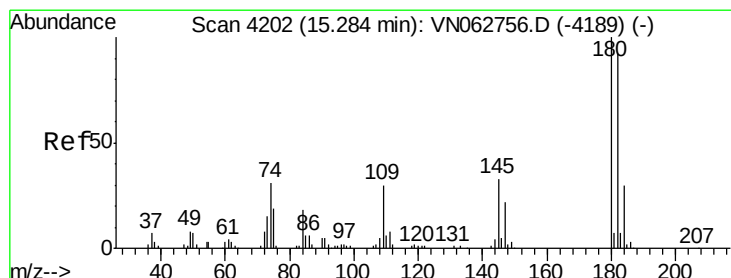
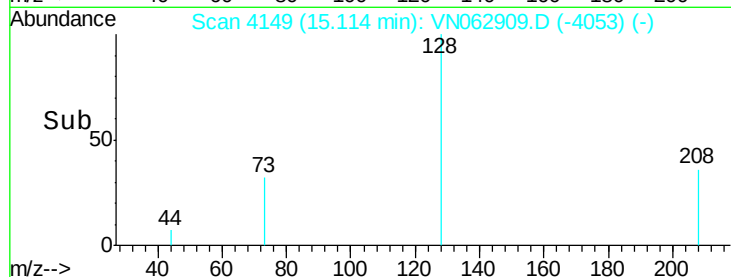
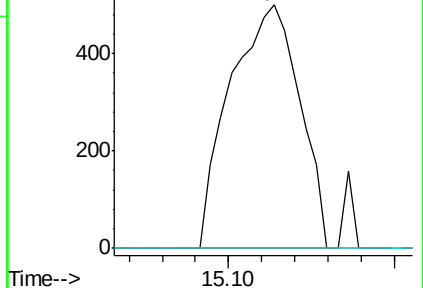
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.982 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.01 min

Lab File: VN062909.D

Acq: 13 Aug 2020 14:26

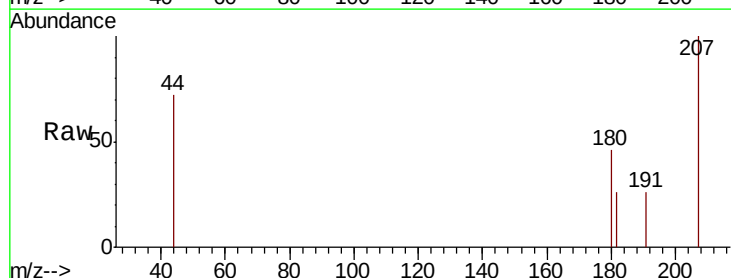
Tgt Ion:180 Resp: 357

Ion Ratio Lower Upper

180 100

182 25.2 47.9 143.6#

145 0.0 17.3 51.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

