

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062576.D
 Acq On : 21 Jul 2020 17:15
 Operator : JC/MD
 Sample : L3342-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jul 22 05:04:57 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	180319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	315365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	301315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107575	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	140511	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.55	113	104898	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	10.06	98	408869	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.38	95	139385	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

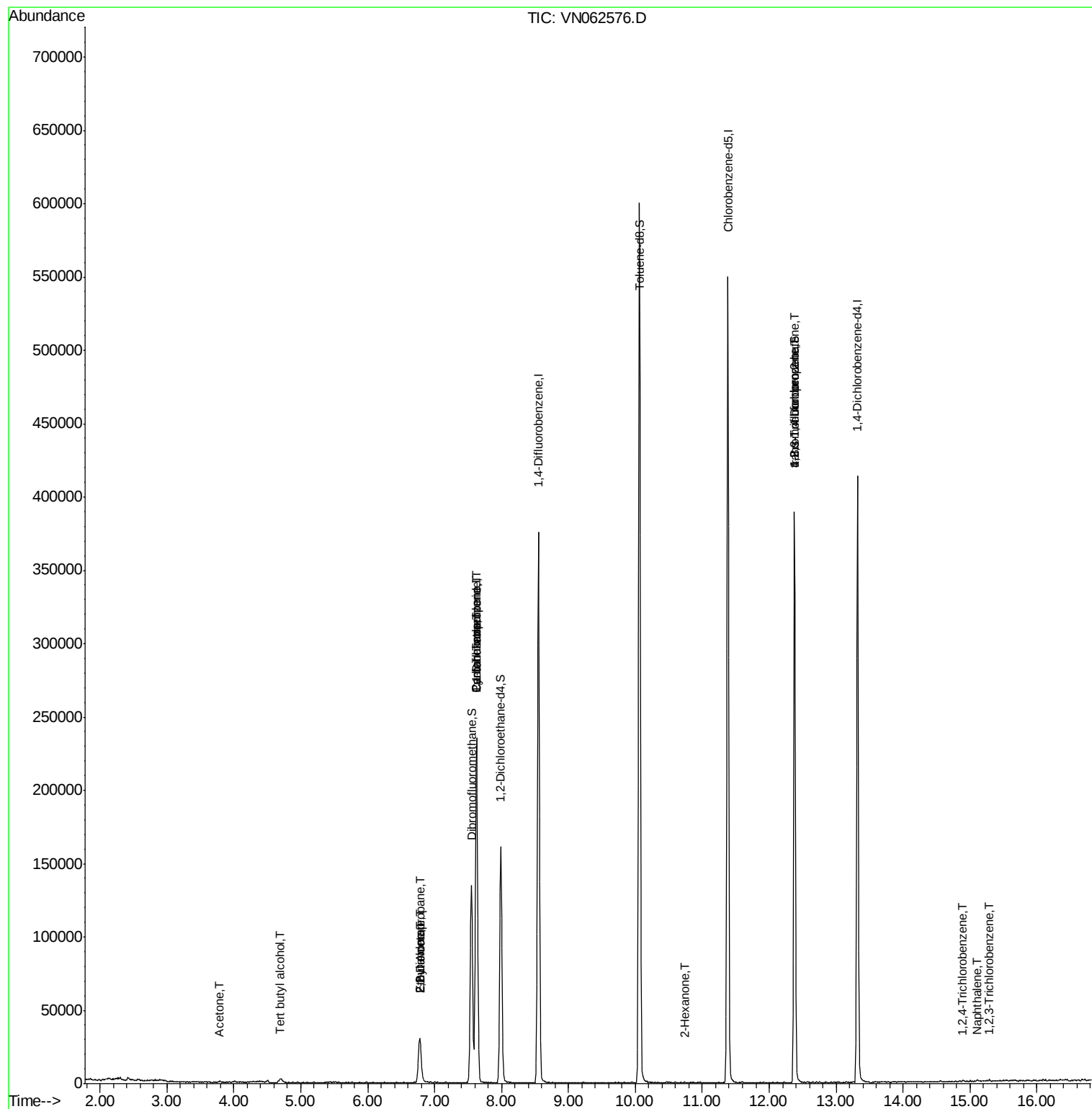
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	2135	4.791	ug/l #	73
16) Acetone	3.78	43	1399	1.327	ug/l #	44
25) 2-Butanone	6.77	43	1839	1.146	ug/l #	52
26) 2,2-Dichloropropane	6.77	77	2253	0.614	ug/l #	54
31) Cyclohexane	7.62	56	4394	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15716	4.675	ug/l #	51
37) Ethyl Acetate	6.77	43	1839	0.508	ug/l #	1
38) Carbon Tetrachloride	7.63	117	18200	5.633	ug/l #	17
59) 2-Hexanone	10.73	43	255	3.052	ug/l	80
76) 1,2,3-Trichloropropane	12.38	75	75331	27.511	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	75331	76.586	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.89	180	196	3.206	ug/l #	66
94) Hexachlorobutadiene	14.98	225	62	Below Cal	#	19
95) Naphthalene	15.11	128	1497	4.051	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	331	0.205	ug/l #	76

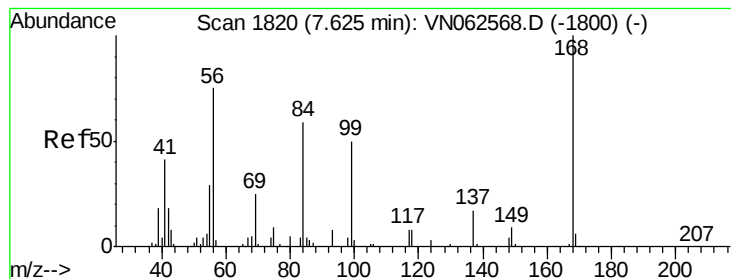
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062576.D

Acq: 21 Jul 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

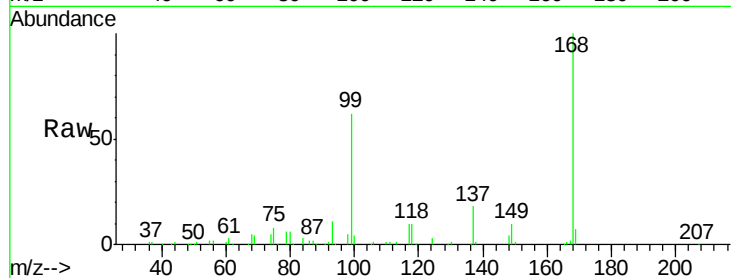
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 180319

Ion Ratio Lower Upper

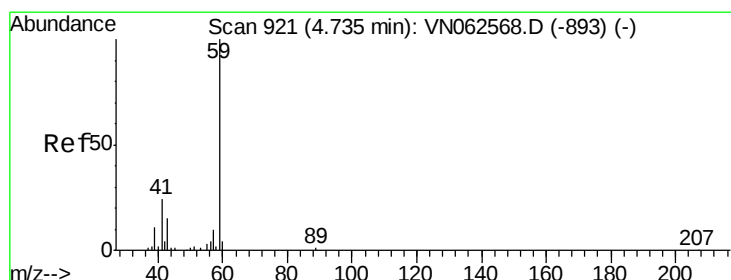
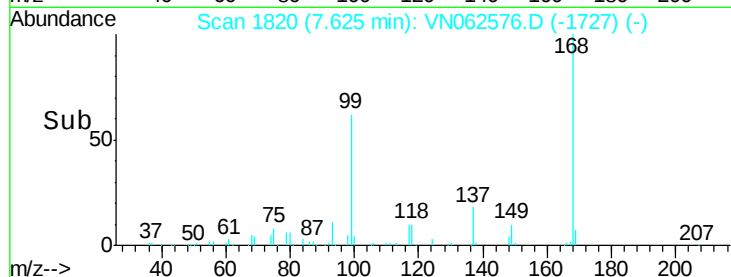
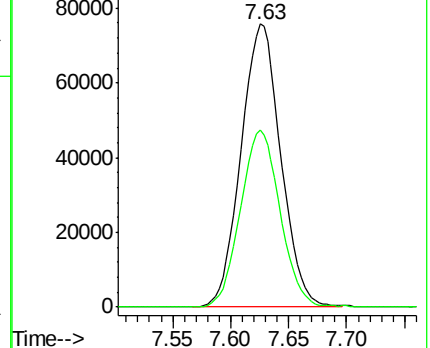
168 100

99 62.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 4.791 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN062576.D

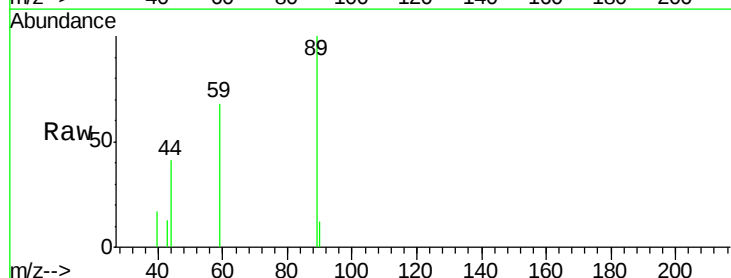
Acq: 21 Jul 2020 17:15

Tgt Ion: 59 Resp: 2135

Ion Ratio Lower Upper

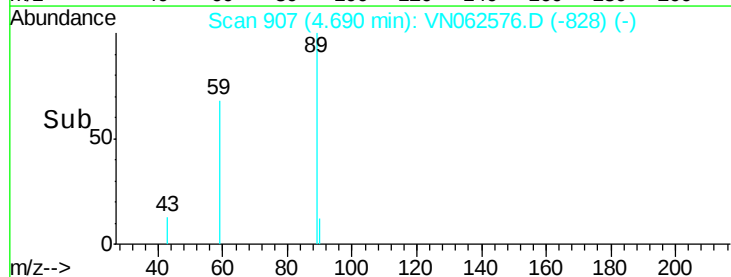
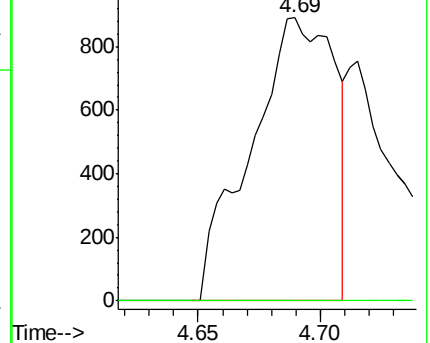
59 100

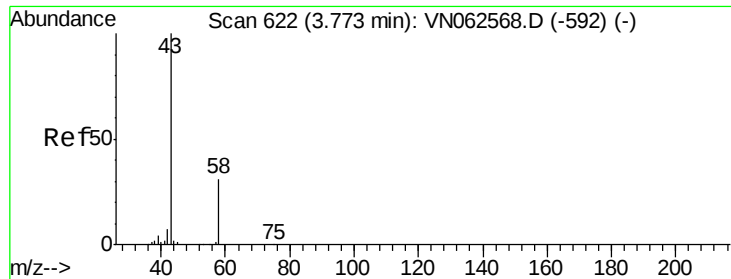
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

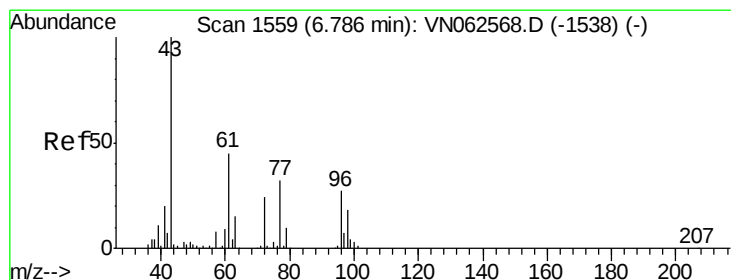
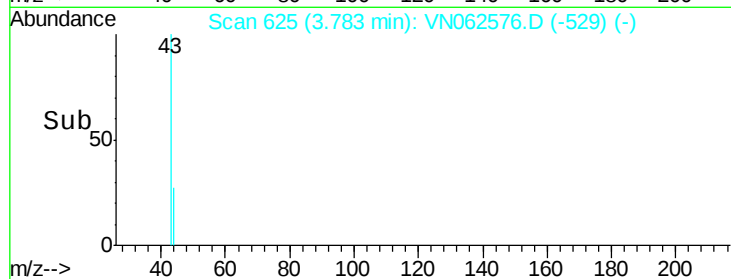
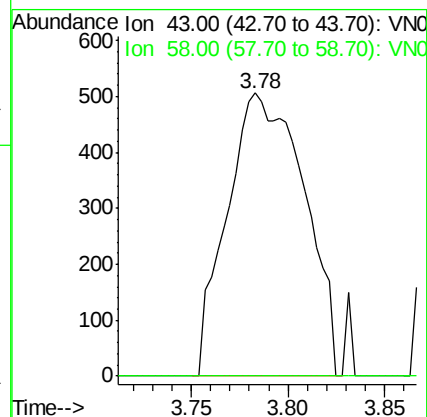
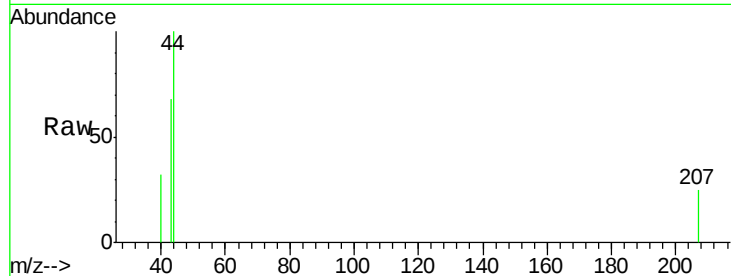




#16
Acetone
Concen: 1.327 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

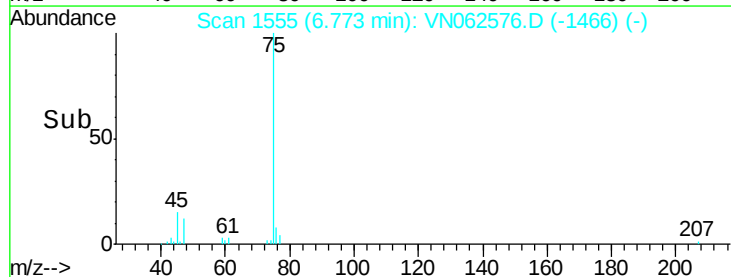
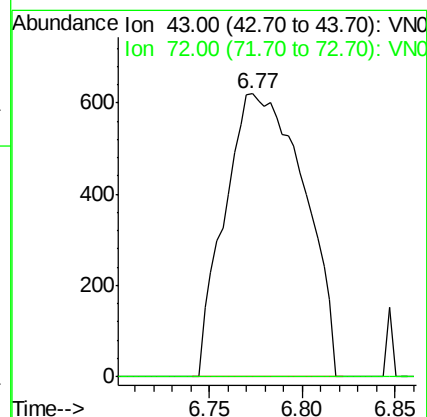
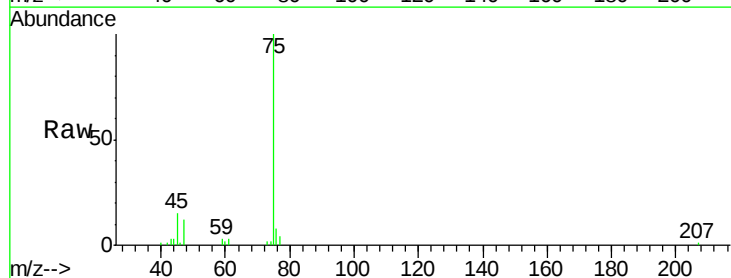
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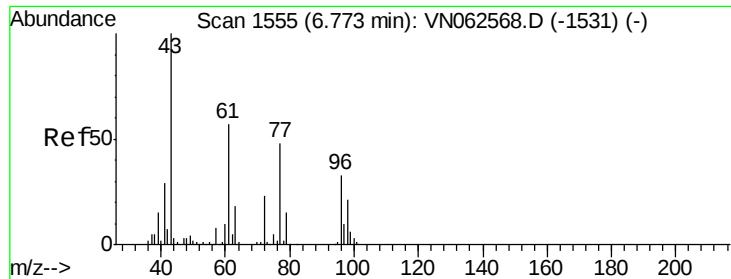
Tot Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
58 0.0 24.6 37.0#



#25
2-Butanone
Concen: 1.146 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#

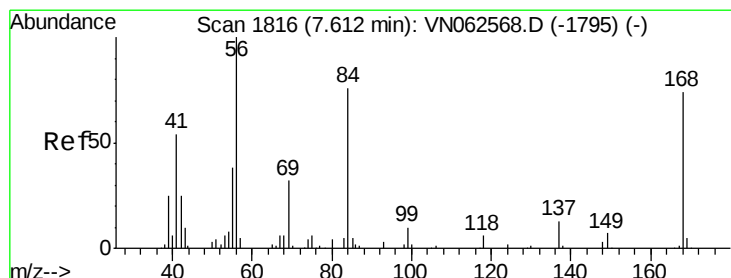
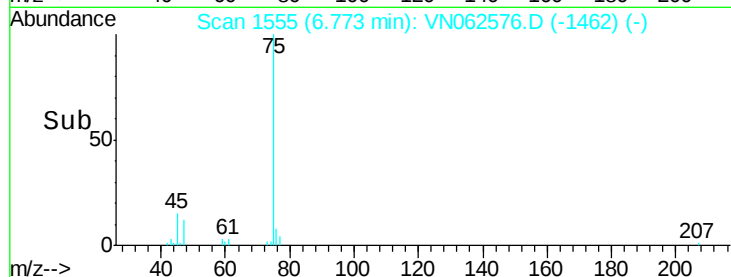
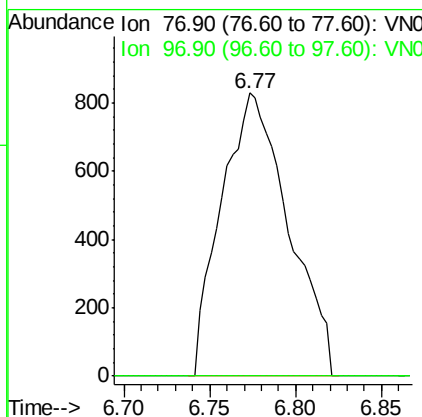
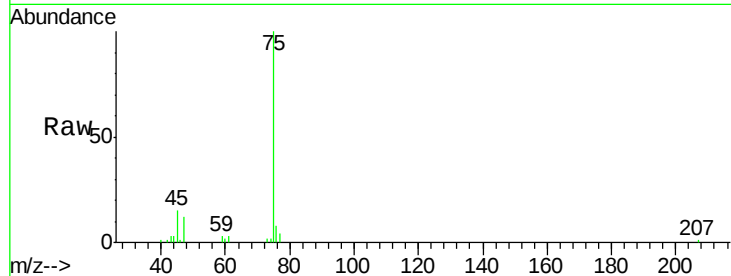




#26
 2,2-Dichloropropane
 Concen: 0.614 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062576.D
 Acq: 21 Jul 2020 17:15

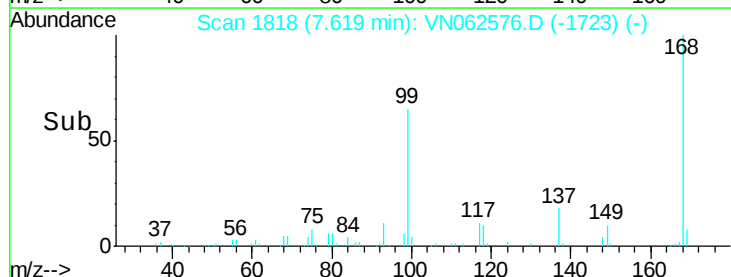
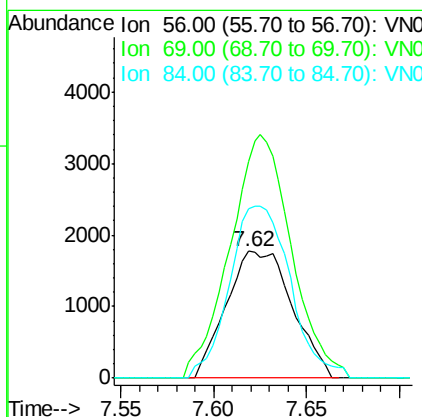
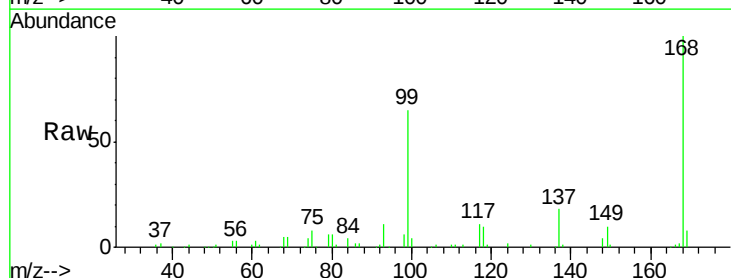
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

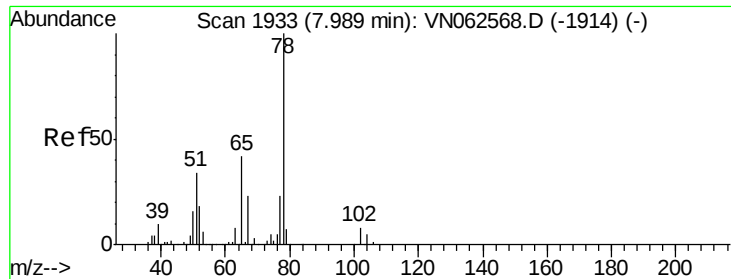
Tot Ion: 77 Resp: 2253
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.8 32.4#



#31
 Cyclohexane
 Concen: 1.065 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. 0.01 min
 Lab File: VN062576.D
 Acq: 21 Jul 2020 17:15

Tgt Ion: 56 Resp: 4394
 Ion Ratio Lower Upper
 56 100
 69 161.1 25.3 37.9#
 84 134.0 61.0 91.4#





#33

1,2-Dichloroethane-d4

Concen: 50.162 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062576.D

Acq: 21 Jul 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

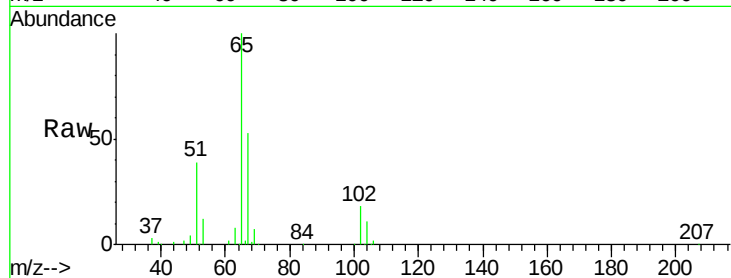
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 140511

Ion Ratio Lower Upper

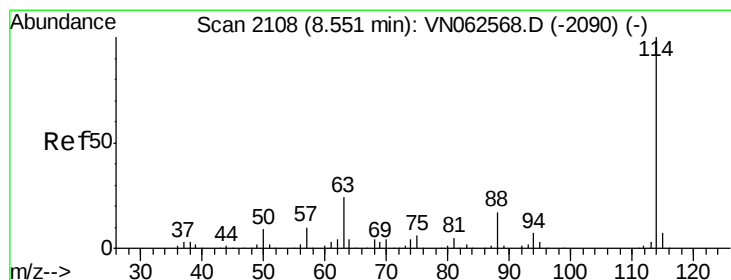
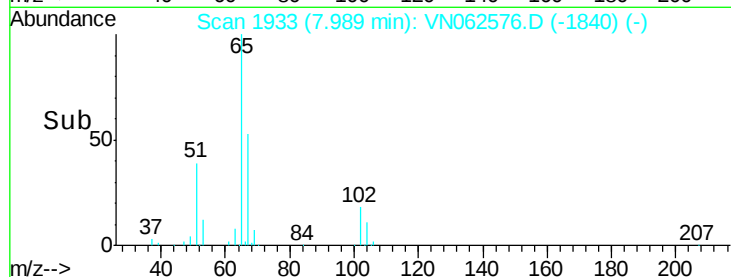
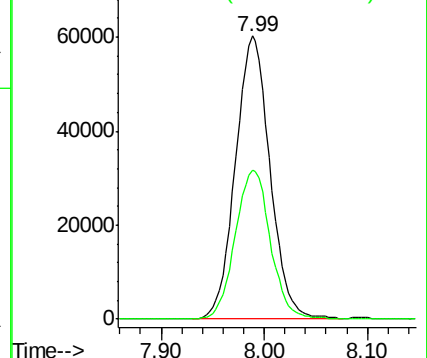
65 100

67 53.7 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062576.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062576.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062576.D

Acq: 21 Jul 2020 17:15

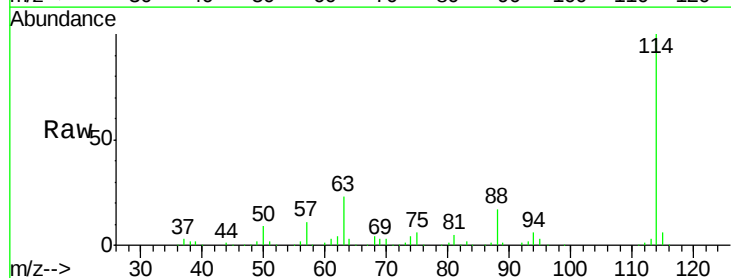
Tgt Ion: 114 Resp: 315365

Ion Ratio Lower Upper

114 100

63 23.4 0.0 48.4

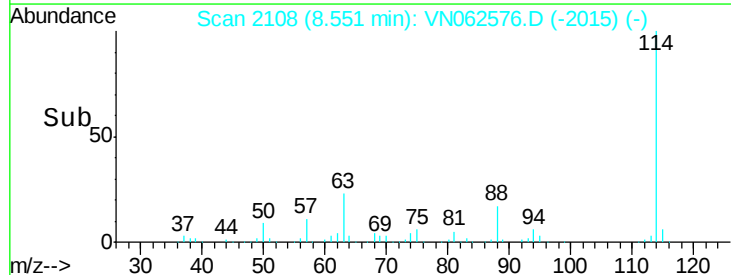
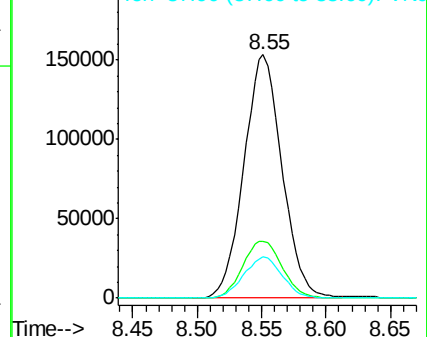
88 16.7 0.0 33.8

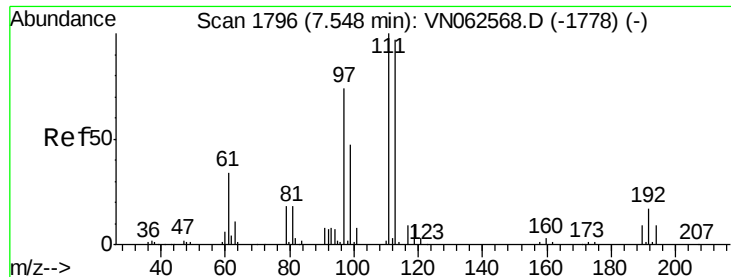


Abundance Ion 113.90 (113.60 to 114.60): VN062576.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062576.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062576.D (-2015) (-)

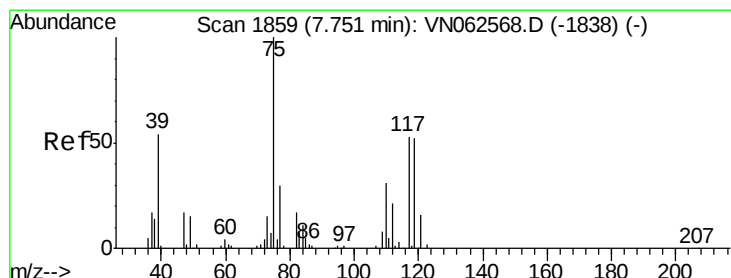
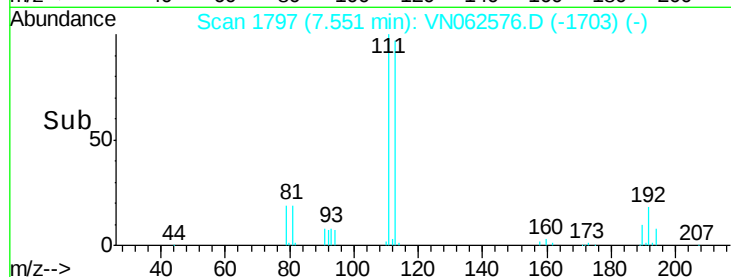
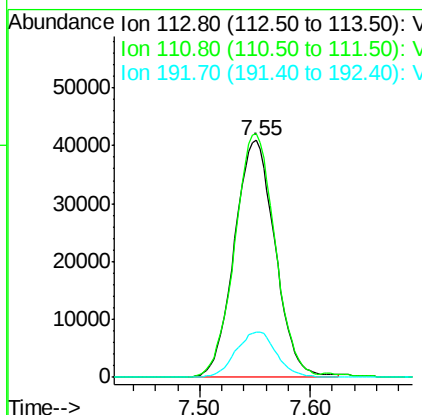
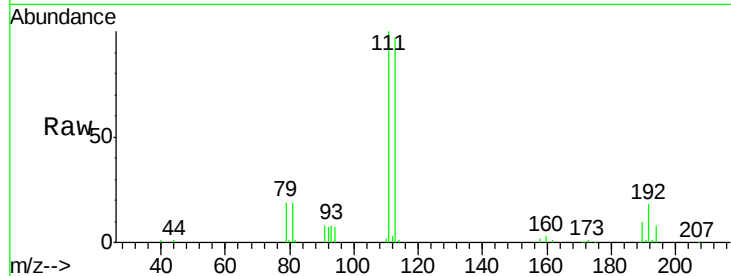




#35
Dibromofluoromethane
Concen: 50.639 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

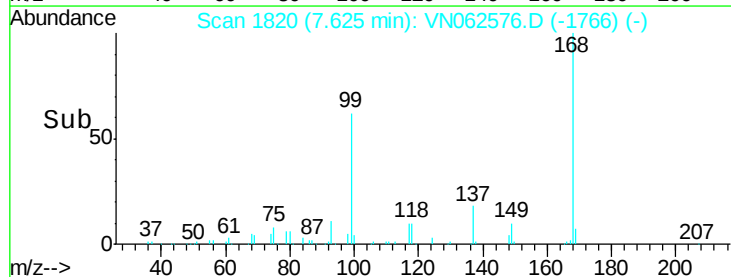
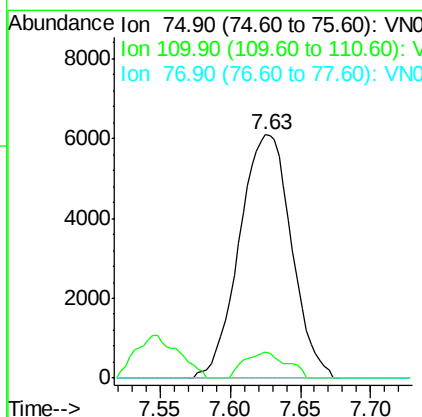
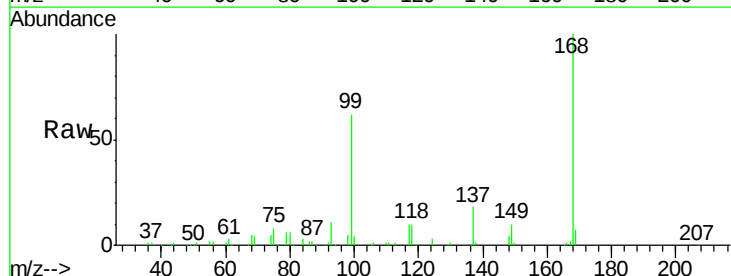
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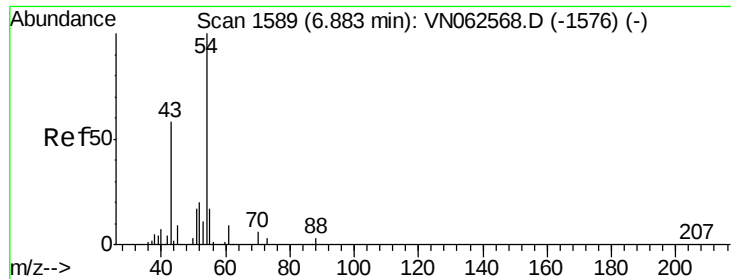
Tot Ion:113 Resp: 104898
Ion Ratio Lower Upper
113 100
111 101.7 82.7 124.1
192 18.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

Tgt Ion: 75 Resp: 15716
Ion Ratio Lower Upper
75 100
110 8.6 16.0 48.0#
77 0.0 24.6 36.8#

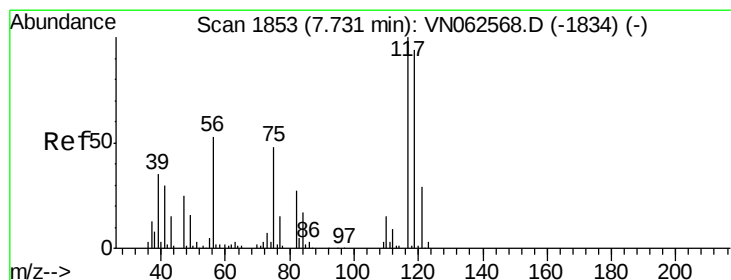
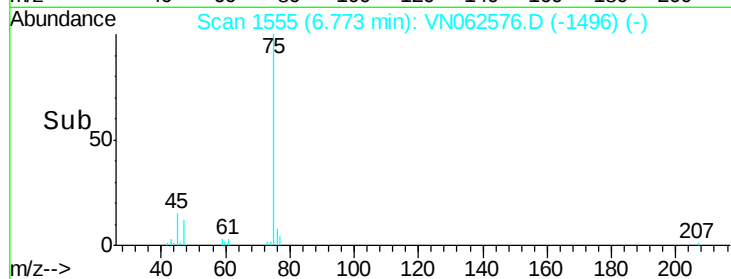
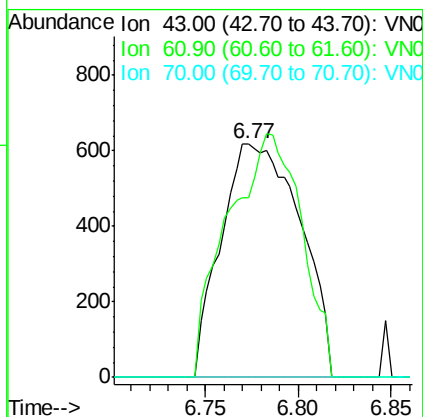
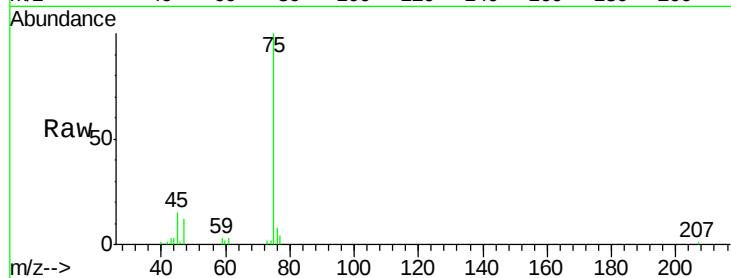




#37
Ethyl Acetate
Concen: 0.508 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

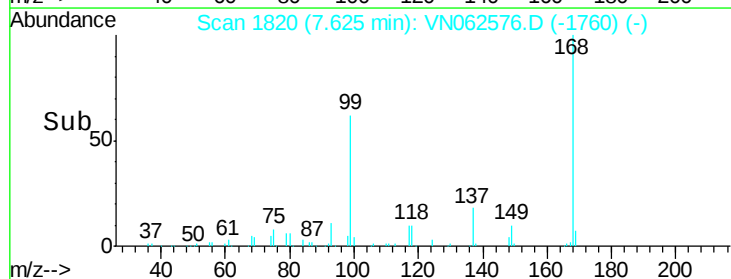
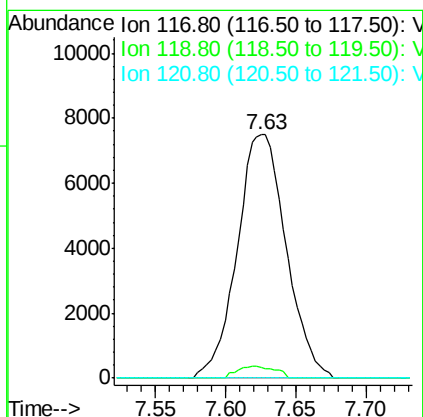
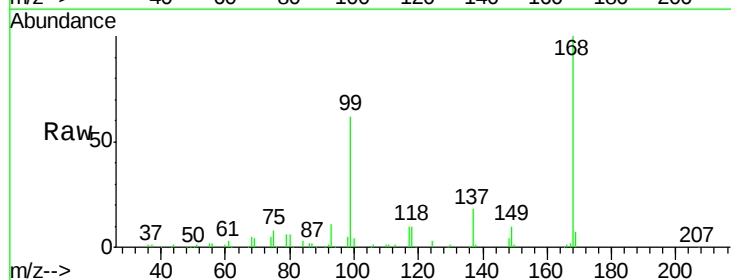
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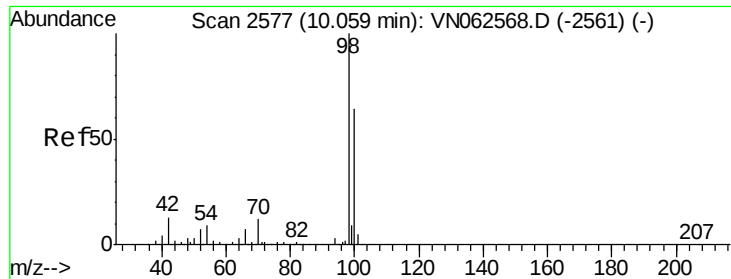
Tot Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
61 97.6 11.3 16.9#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

Tgt Ion: 117 Resp: 18200
Ion Ratio Lower Upper
117 100
119 4.5 74.8 112.2#
121 0.0 23.0 34.6#





#50

Toluene-d8

Concen: 49.469 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062576.D

Acq: 21 Jul 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

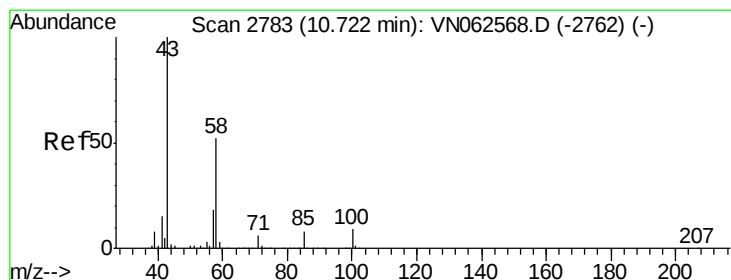
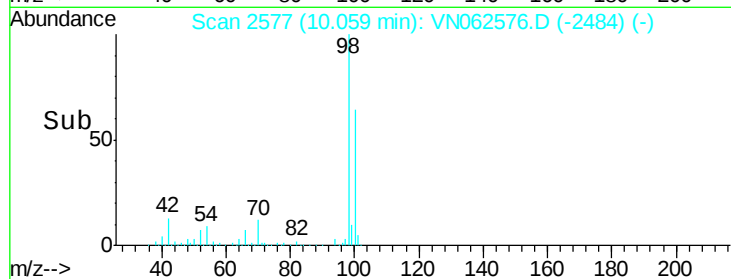
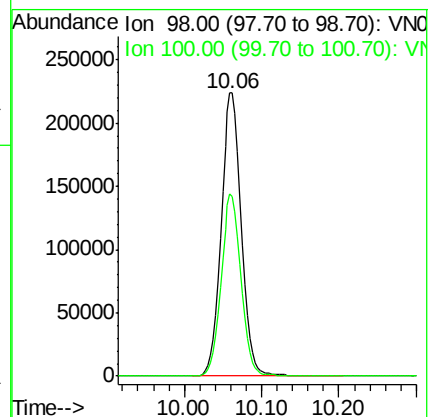
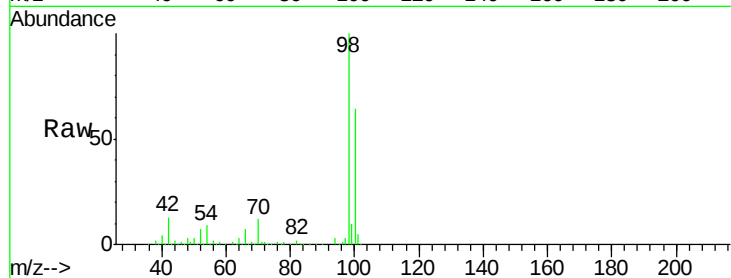
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 408869

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#59

2-Hexanone

Concen: 3.052 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062576.D

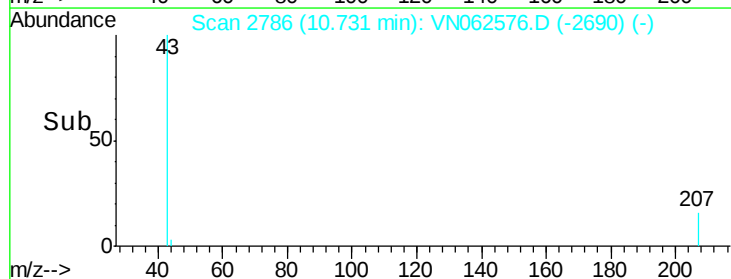
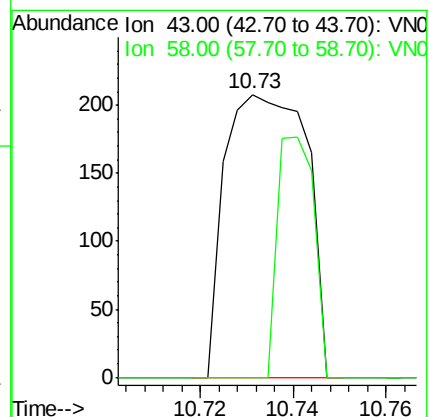
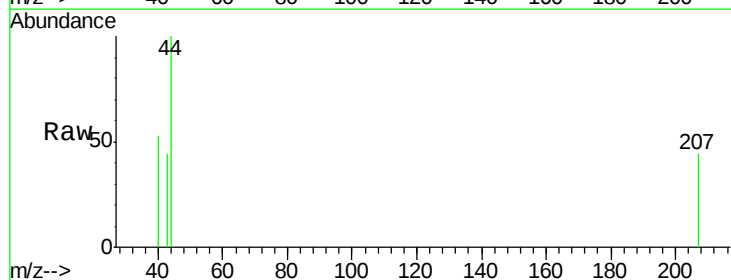
Acq: 21 Jul 2020 17:15

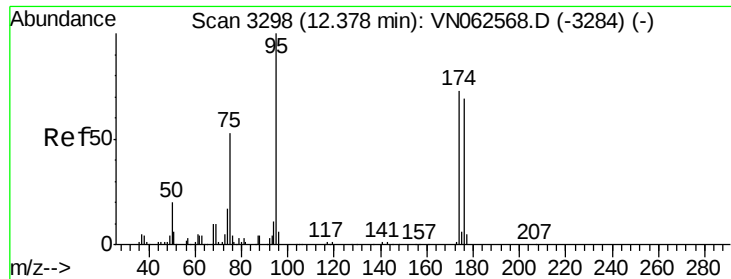
Tgt Ion: 43 Resp: 255

Ion Ratio Lower Upper

43 100

58 38.0 26.0 78.0

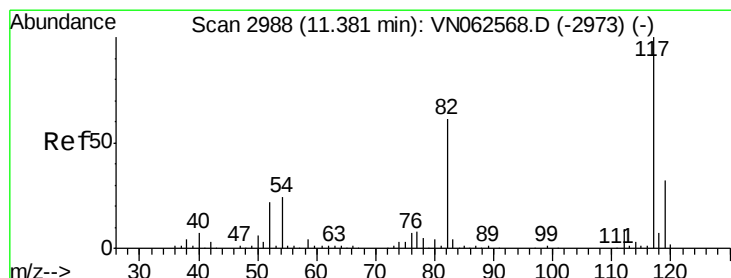
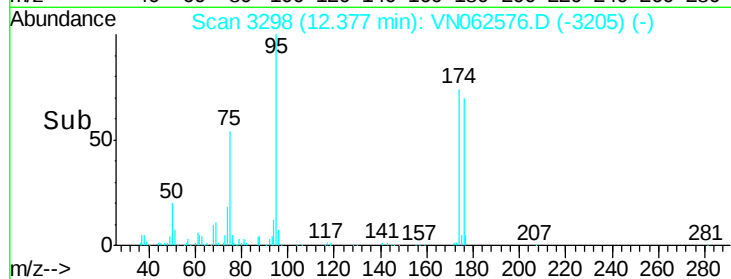
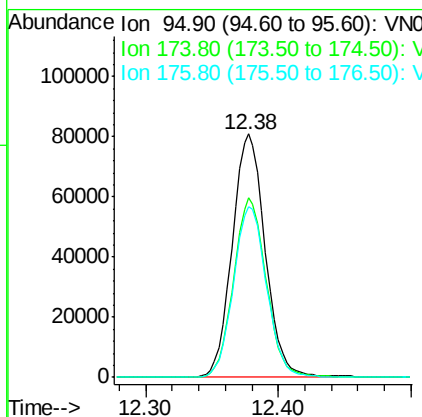
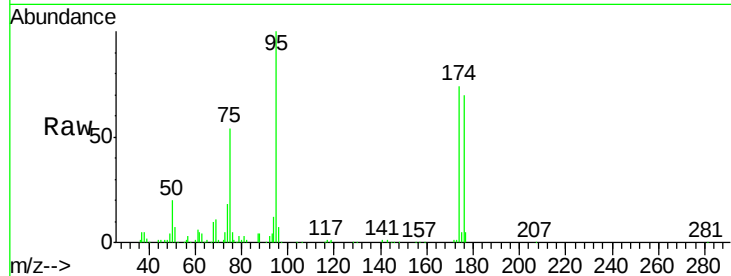




#62
4-Bromofluorobenzene
Concen: 46.122 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

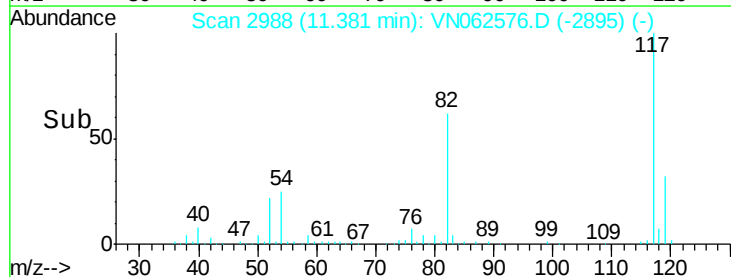
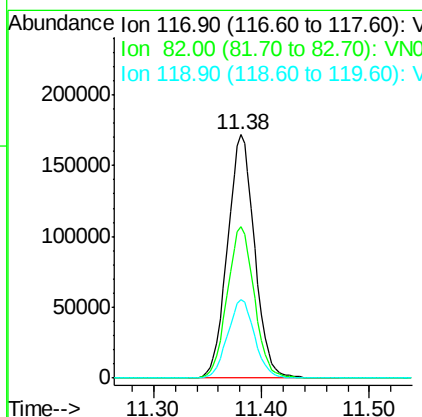
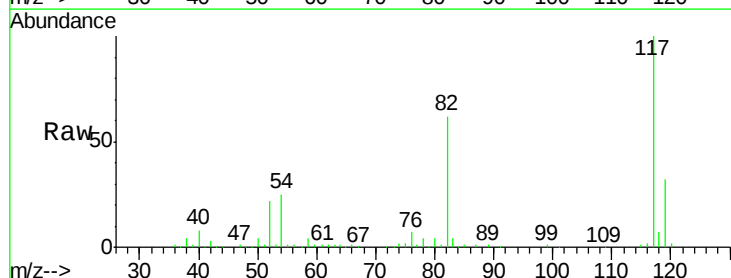
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

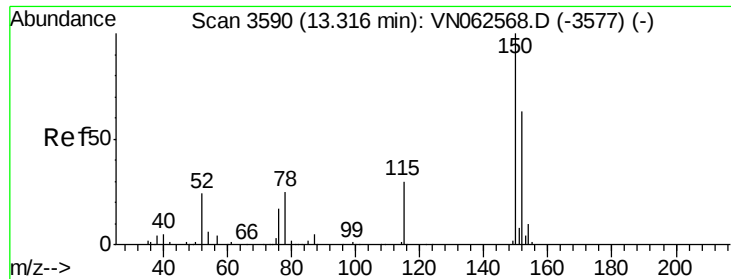
Tot Ion: 95 Resp: 139385
Ion Ratio Lower Upper
95 100
174 73.5 0.0 144.6
176 70.5 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

Tgt Ion: 117 Resp: 301315
Ion Ratio Lower Upper
117 100
82 62.2 49.0 73.6
119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062576.D

Acq: 21 Jul 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

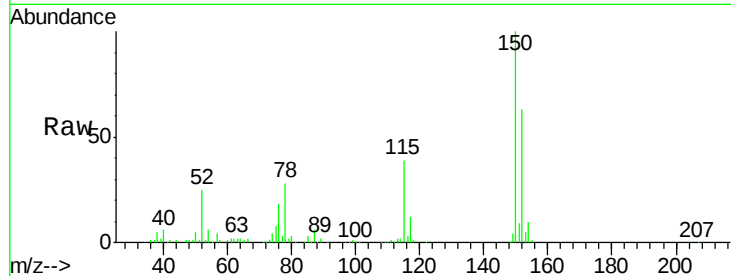
Tot Ion:152 Resp: 107575

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

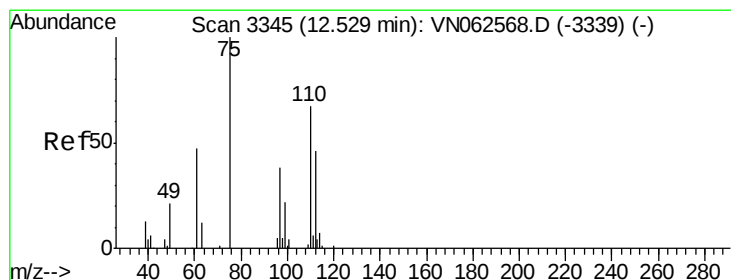
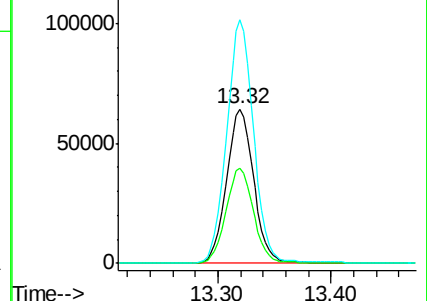
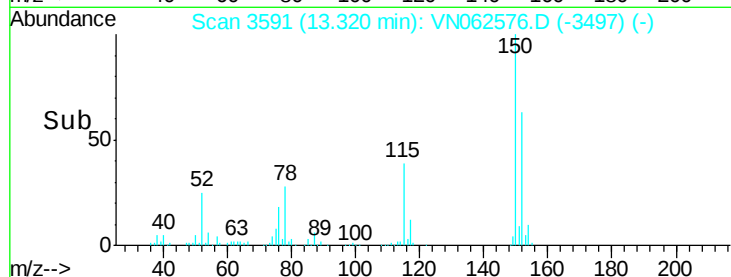
150 156.0 0.0 351.4



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: 27.511 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062576.D

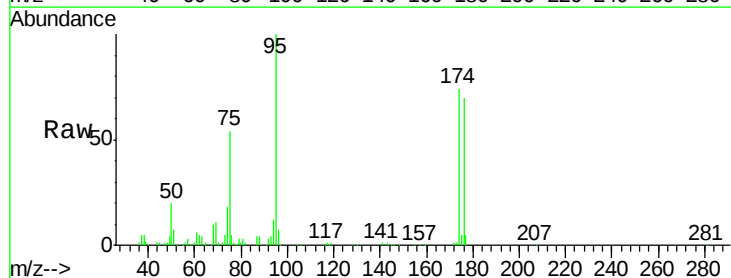
Acq: 21 Jul 2020 17:15

Tgt Ion: 75 Resp: 75331

Ion Ratio Lower Upper

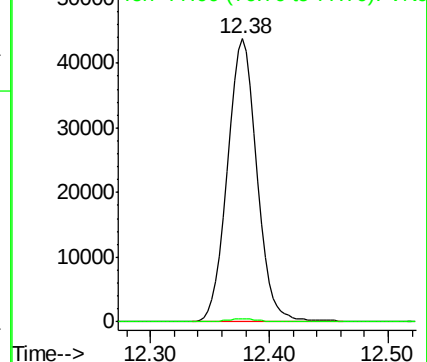
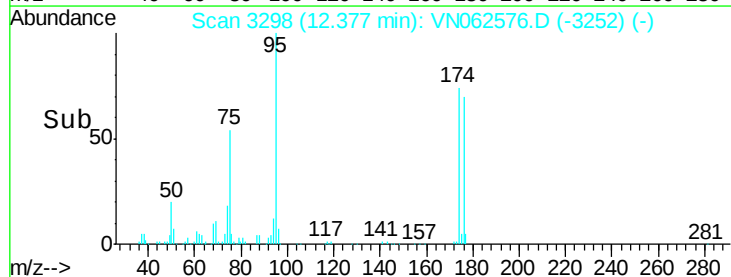
75 100

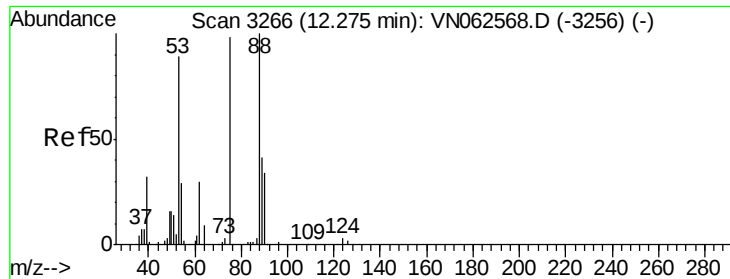
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

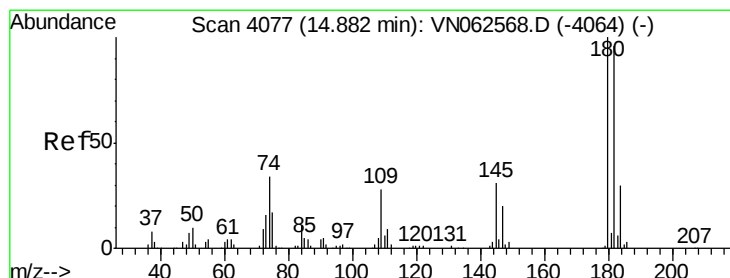
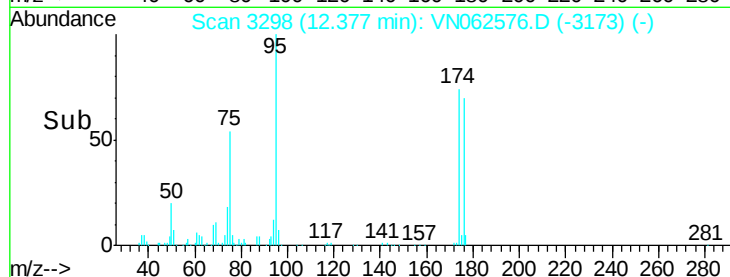
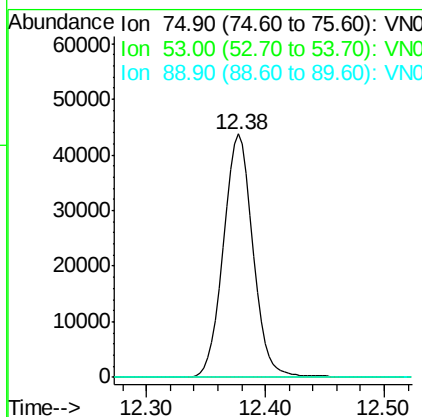
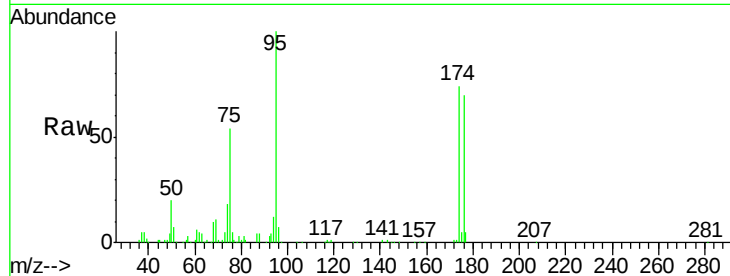




#81
trans-1,4-Dichloro-2-butene
Concen: 76.586 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

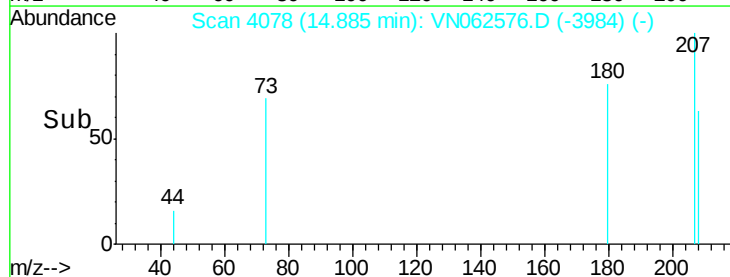
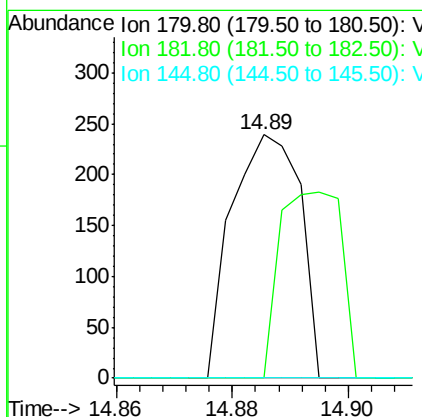
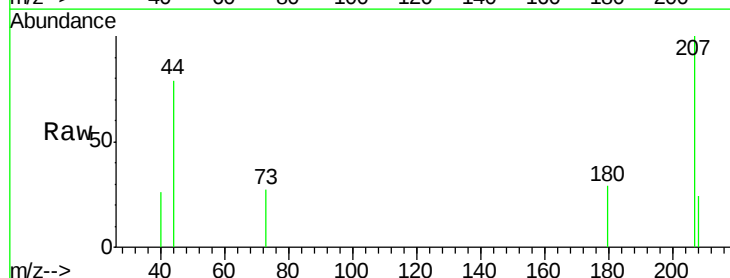
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

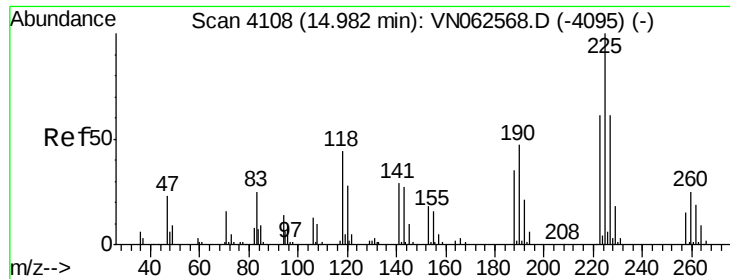
Tot Ion: 75 Resp: 75331
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.0#
89 0.0 34.5 51.7#



#93
1,2,4-Trichlorobenzene
Concen: 3.206 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062576.D
Acq: 21 Jul 2020 17:15

Tgt Ion: 180 Resp: 196
Ion Ratio Lower Upper
180 100
182 69.4 47.8 143.3
145 0.0 15.3 45.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.98 min Scan# 4108

Delta R.T. 0.00 min

Lab File: VN062576.D

Acq: 21 Jul 2020 17:15

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

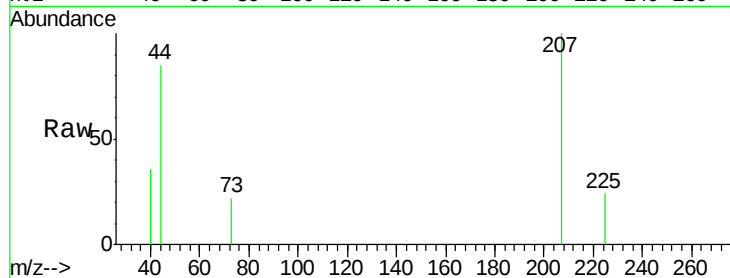
Tot Ion:225 Resp: 62

Ion Ratio Lower Upper

225 100

223 0.0 32.0 96.0#

227 0.0 31.1 93.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

14.98

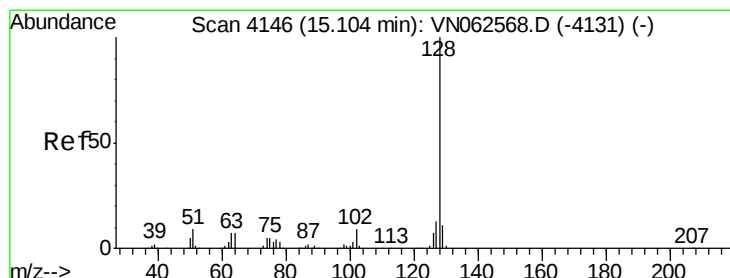
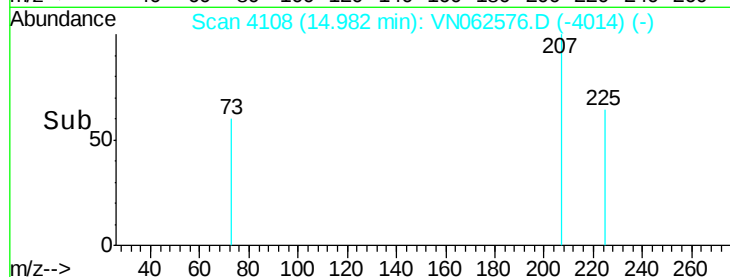
150

100

50

0

Time-->



#95

Naphthalene

Concen: 4.051 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062576.D

Acq: 21 Jul 2020 17:15

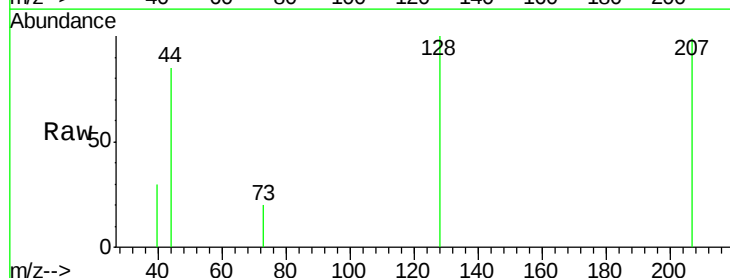
Tgt Ion:128 Resp: 1497

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.11

800

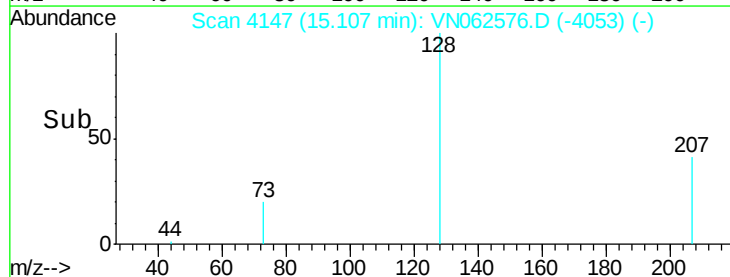
600

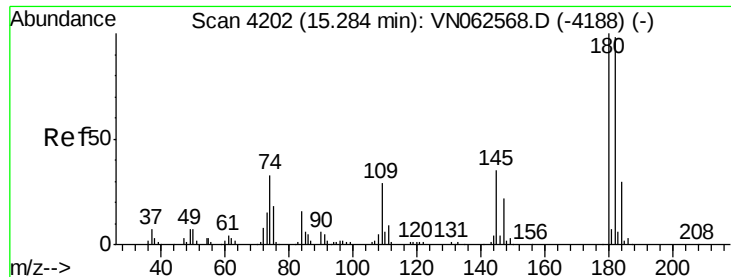
400

200

0

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062576.D
 Acq: 21 Jul 2020 17:15

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

Tot Ion:180 Resp: 331
 Ion Ratio Lower Upper
 180 100
 182 107.3 48.1 144.3
 145 0.0 16.7 50.1#

