

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\
 Data File : VX019499.D
 Acq On : 20 Nov 2020 16:39
 Operator : JC/MD
 Sample : L4837-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Nov 21 03:47:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	273562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	445712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	401216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	168468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	166603	46.97	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.94%
35) Dibromofluoromethane	5.46	113	132355	47.31	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.62%
50) Toluene-d8	8.70	98	533224	49.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.10%
62) 4-Bromofluorobenzene	11.12	95	181982	46.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.04%

Target Compounds

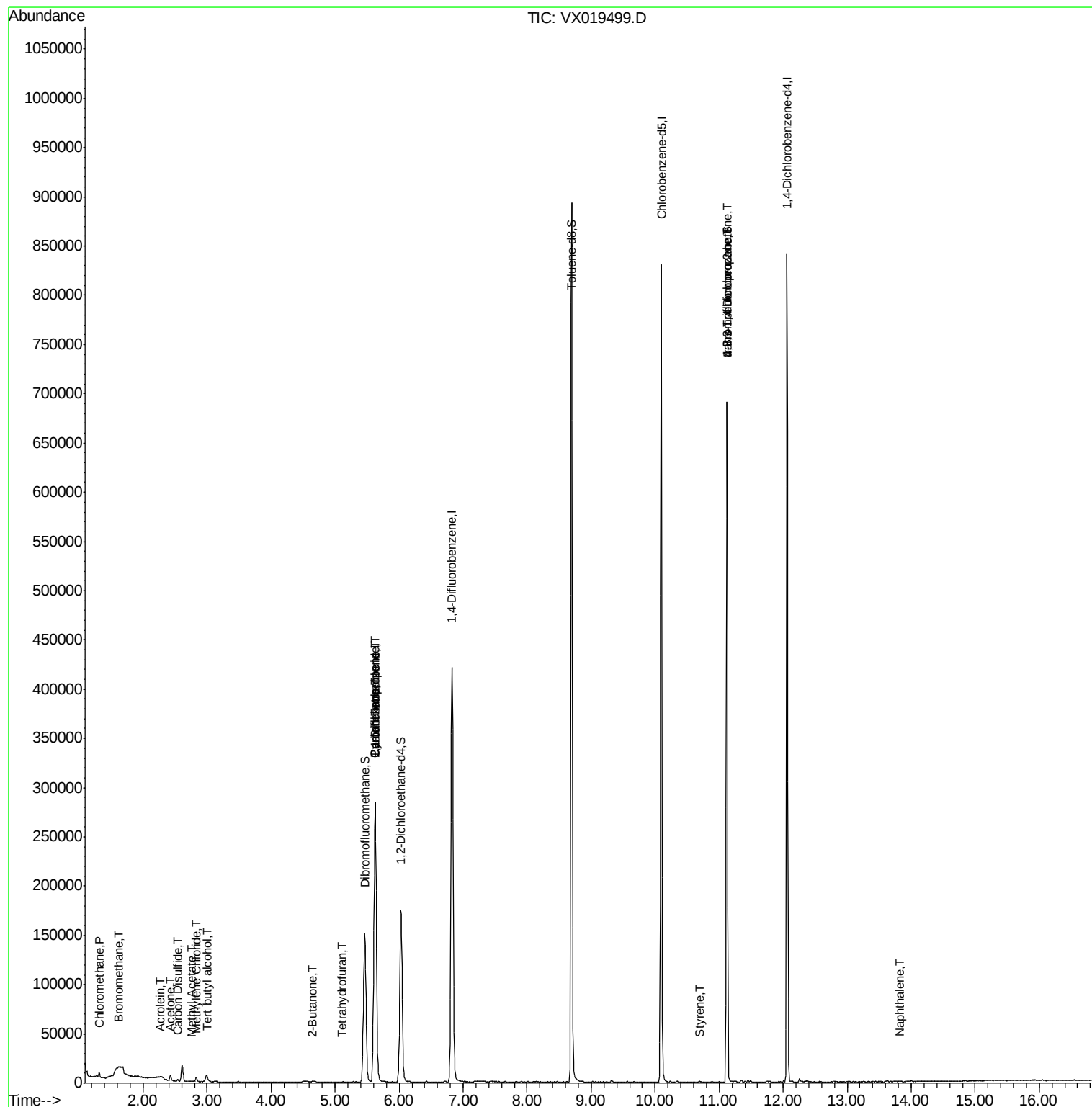
					Qvalue
3) Chloromethane	1.31	50	2557	0.838	ug/l 96
5) Bromomethane	1.62	94	464	0.373	ug/l 90
6) Chloroethane	1.67	64	337	Below Cal	# 77
11) Tert butyl alcohol	2.99	59	4374	6.516	ug/l # 73
13) Acrolein	2.26	56	175	0.388	ug/l # 15
16) Acetone	2.43	43	5741	4.185	ug/l 98
17) Carbon Disulfide	2.54	76	2281	0.313	ug/l # 87
18) Methyl Acetate	2.75	43	205	0.695	ug/l # 70
20) Methylene Chloride	2.83	84	1886	0.550	ug/l 96
25) 2-Butanone	4.65	43	606	0.294	ug/l # 45
29) Tetrahydrofuran	5.10	42	499	0.380	ug/l # 33
31) Cyclohexane	5.62	56	5424	1.176	ug/l # 1
36) 1,1-Dichloropropene	5.62	75	20471	4.899	ug/l # 50
38) Carbon Tetrachloride	5.62	117	26834	6.635	ug/l # 18
70) Styrene	10.69	104	272	1.673	ug/l # 84
76) 1,2,3-Trichloropropane	11.12	75	88688	24.123	ug/l # 37
81) trans-1,4-Dichloro-2-buten	11.12	75	88688	63.871	ug/l # 12
95) Naphthalene	13.82	128	745	2.235	ug/l # 84

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

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

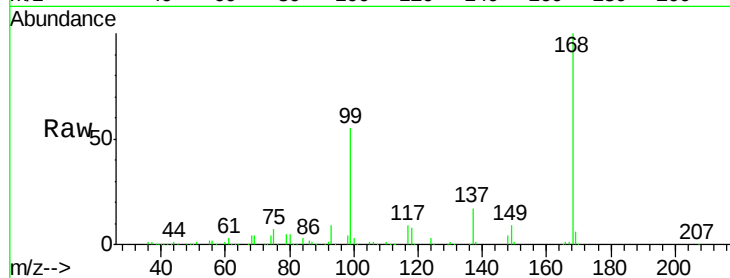
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 273562

Ion Ratio Lower Upper

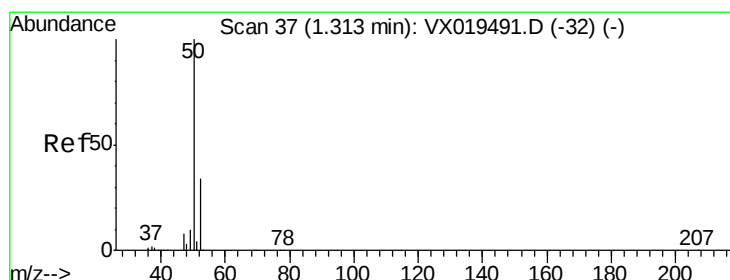
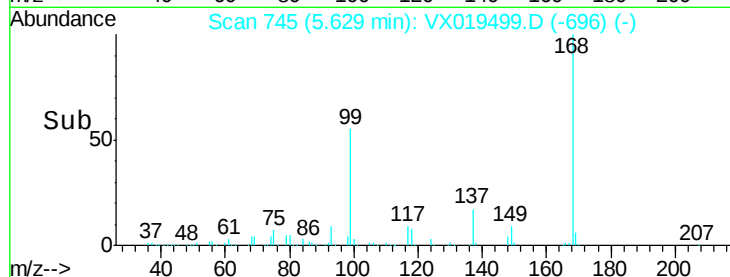
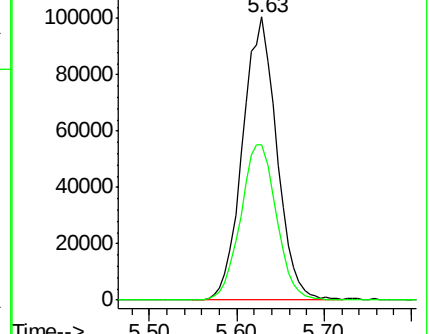
168 100

99 55.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.838 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019499.D

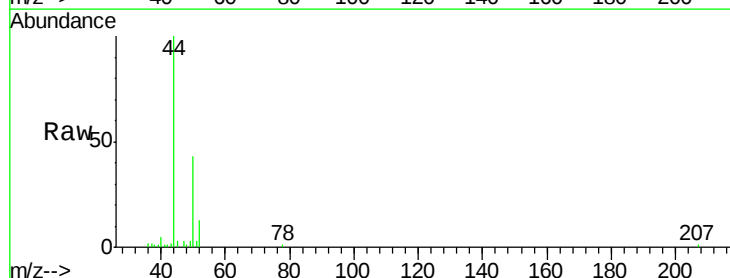
Acq: 20 Nov 2020 16:39

Tgt Ion: 50 Resp: 2557

Ion Ratio Lower Upper

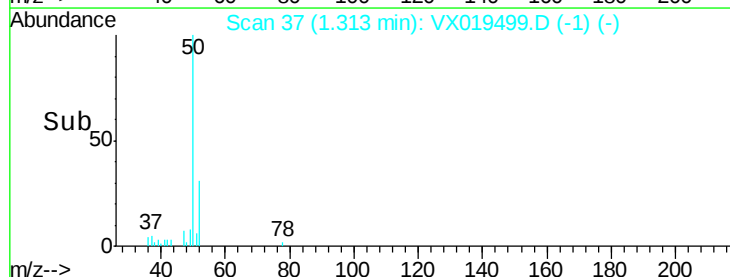
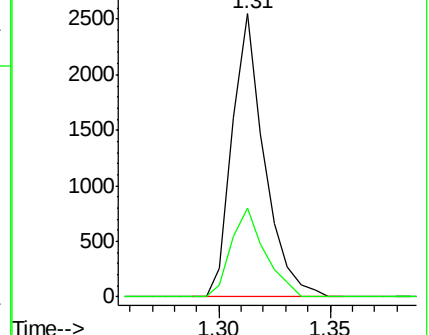
50 100

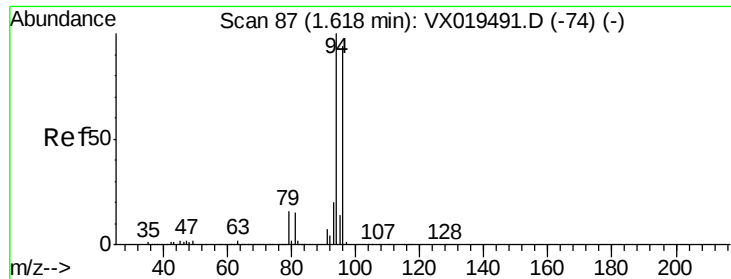
52 31.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.373 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

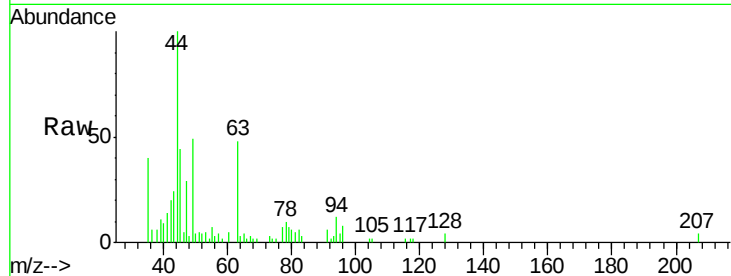
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 464

Ion Ratio Lower Upper

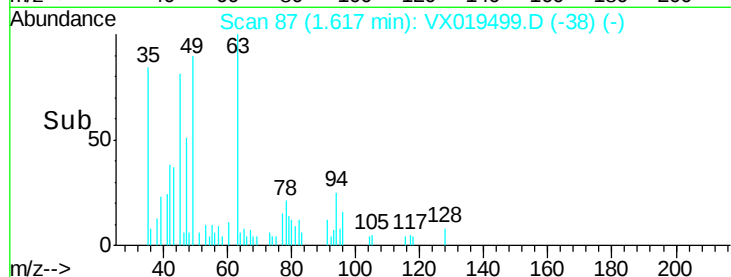
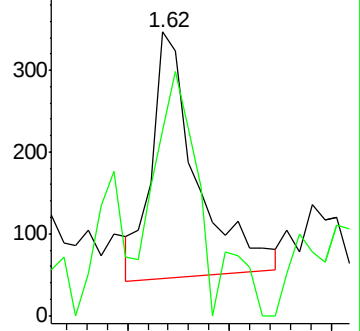
94 100

96 85.0 75.6 113.4

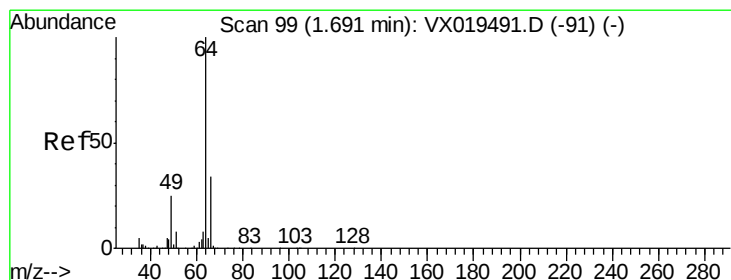


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 96

Delta R.T. -0.02 min

Lab File: VX019499.D

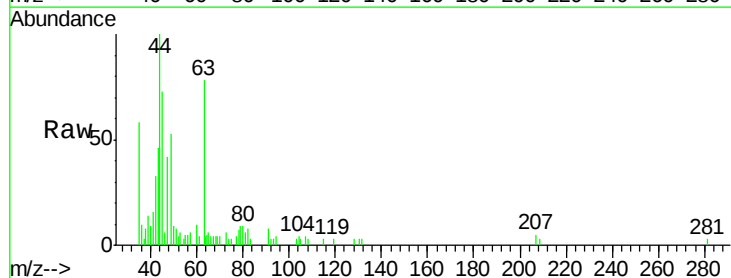
Acq: 20 Nov 2020 16:39

Tgt Ion: 64 Resp: 337

Ion Ratio Lower Upper

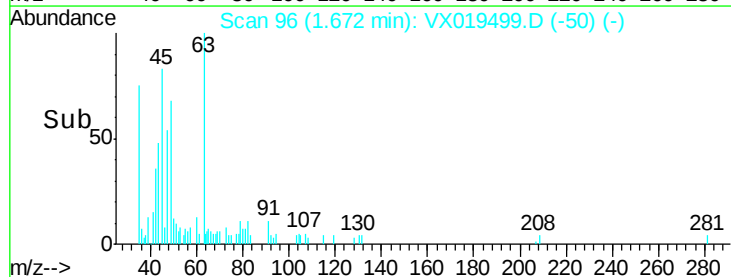
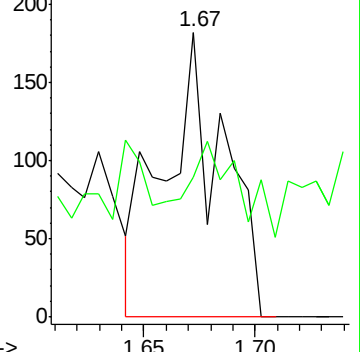
64 100

66 20.9 27.1 40.7#

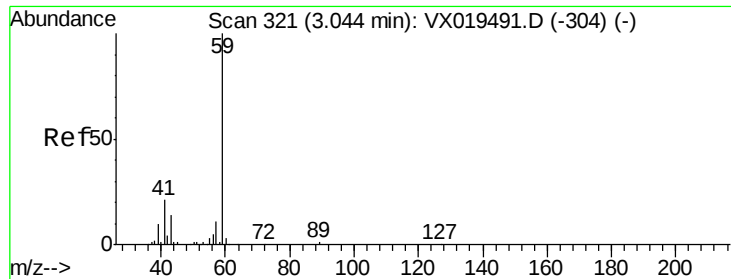


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

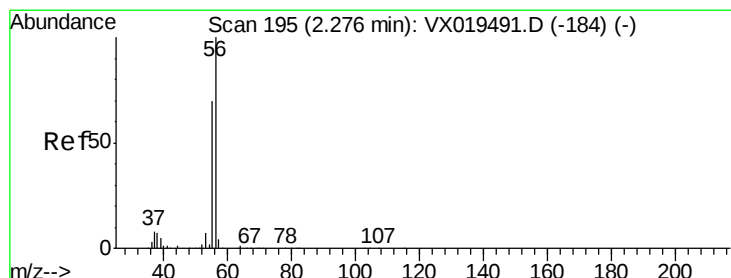
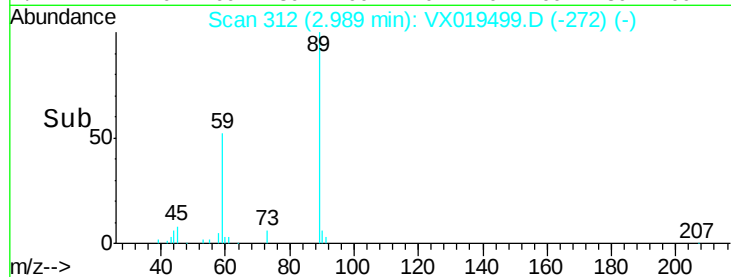
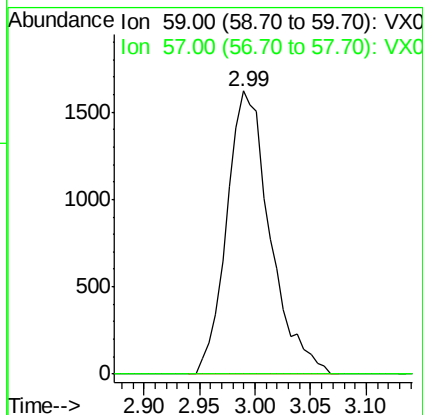
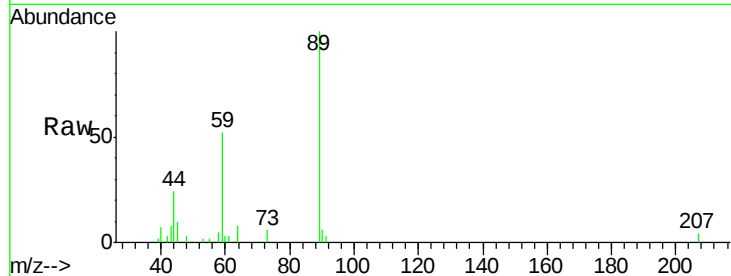


#11

Tert butyl alcohol
 Concen: 6.516 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.06 min
 Lab File: VX019499.D
 Acq: 20 Nov 2020 16:39

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

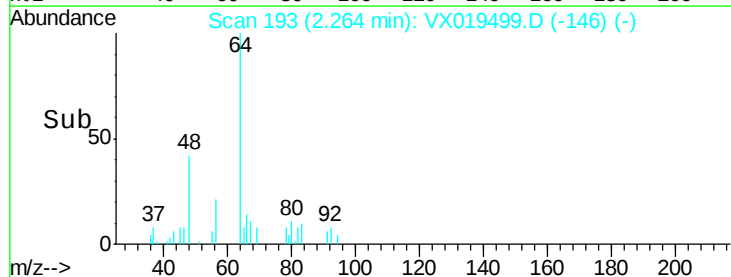
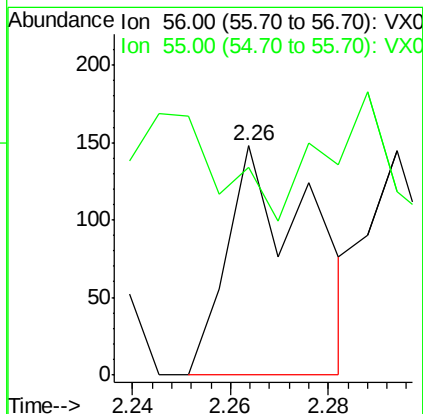
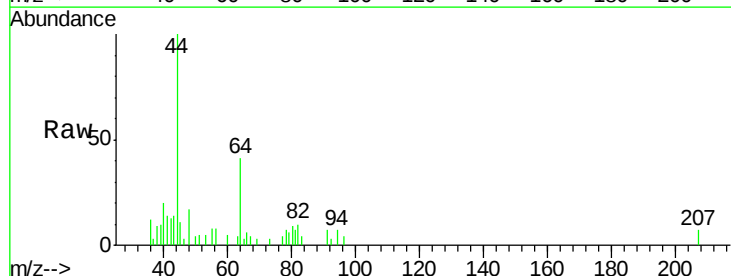
Tot Ion: 59 Resp: 4374
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

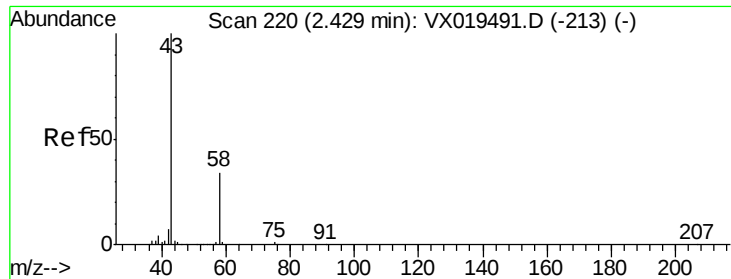


#13

Acrolein
 Concen: 0.388 ug/l
 RT: 2.26 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VX019499.D
 Acq: 20 Nov 2020 16:39

Tgt Ion: 56 Resp: 175
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.5 83.3#





#16

Acetone

Concen: 4.185 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

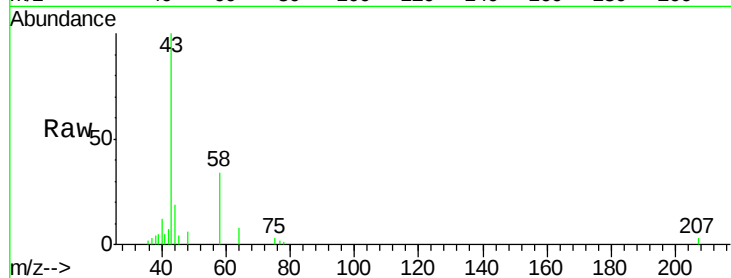
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 5741

Ion Ratio Lower Upper

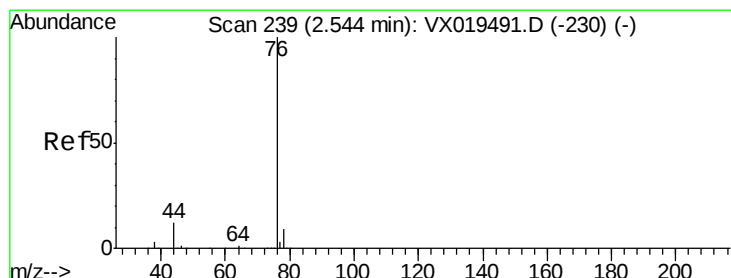
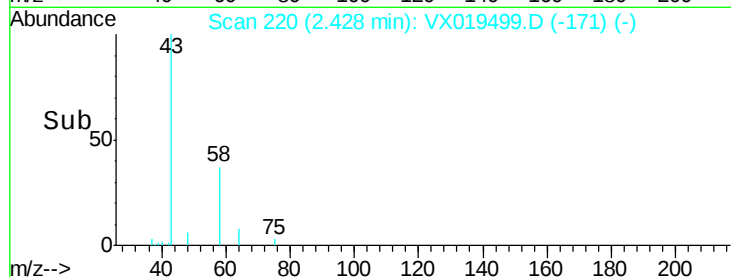
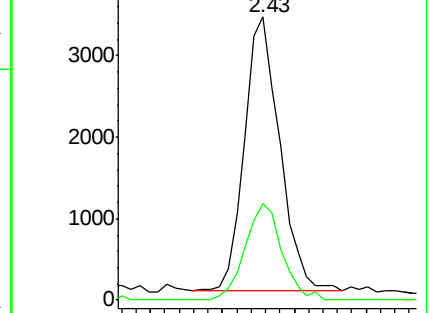
43 100

58 35.4 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.313 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VX019499.D

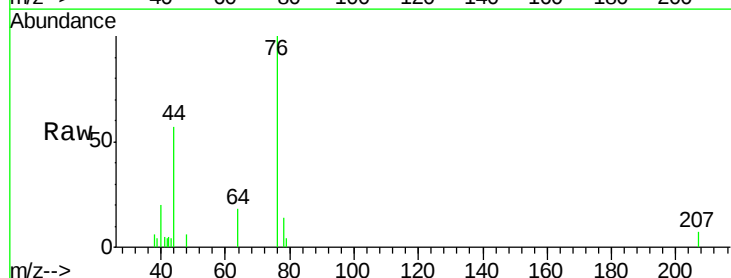
Acq: 20 Nov 2020 16:39

Tgt Ion: 76 Resp: 2281

Ion Ratio Lower Upper

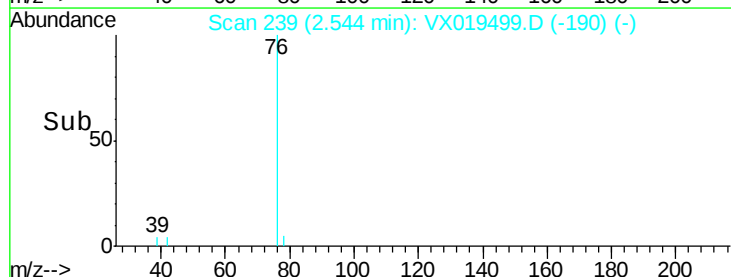
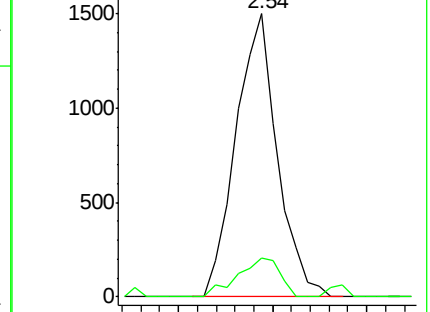
76 100

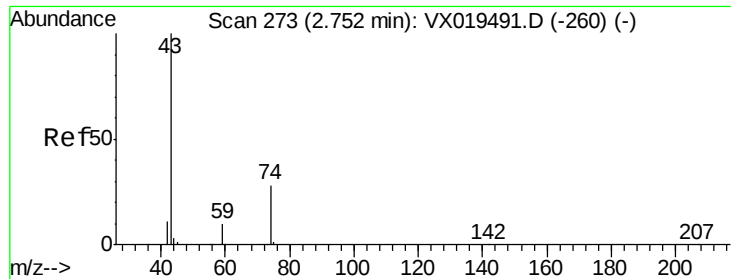
78 13.8 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

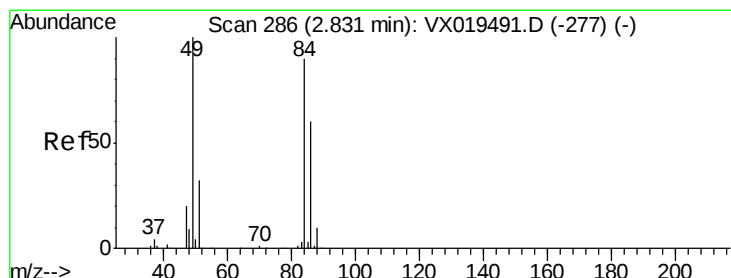
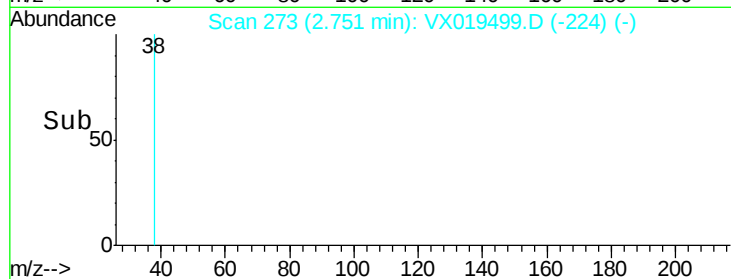
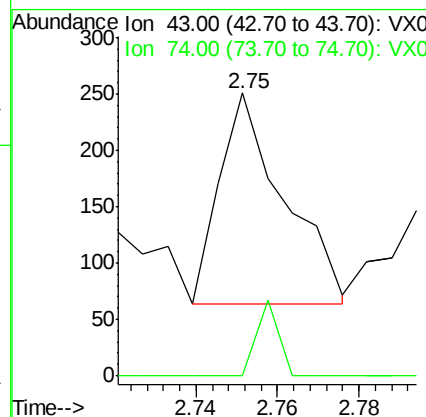
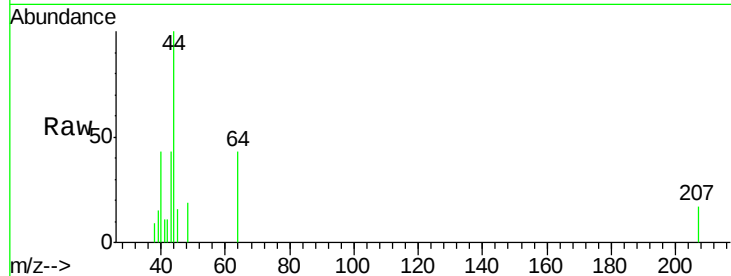




#18
Methyl Acetate
Concen: 0.695 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

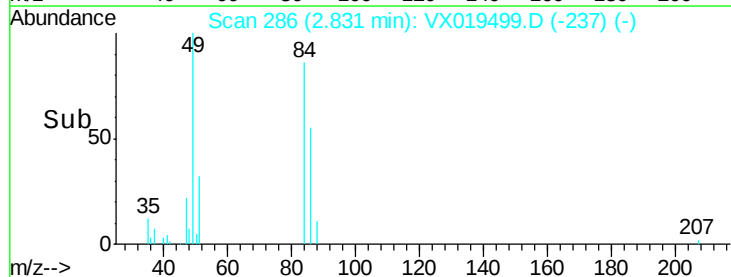
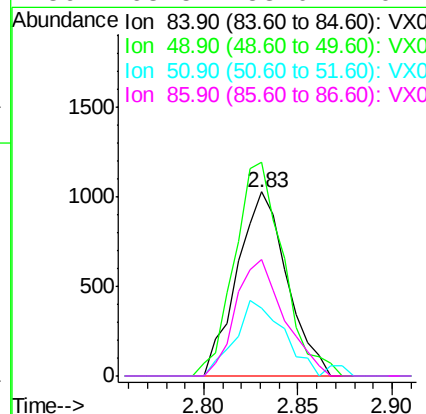
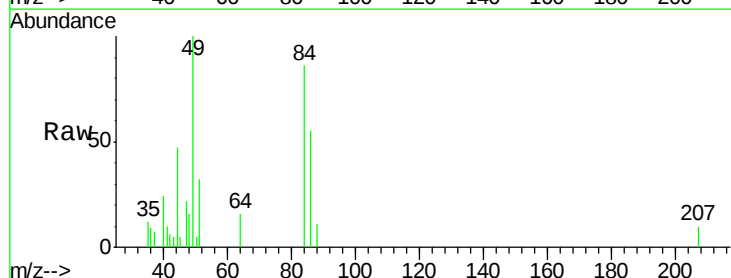
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

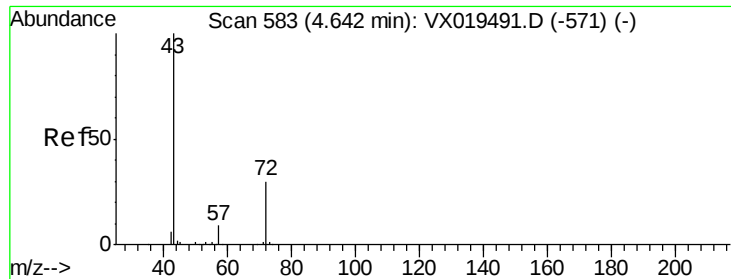
Tot Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
74 12.2 22.2 33.4#



#20
Methylene Chloride
Concen: 0.550 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

Tgt Ion: 84 Resp: 1886
Ion Ratio Lower Upper
84 100
49 115.9 88.5 132.7
51 36.7 28.0 42.0
86 63.5 53.0 79.4





#25

2-Butanone

Concen: 0.294 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

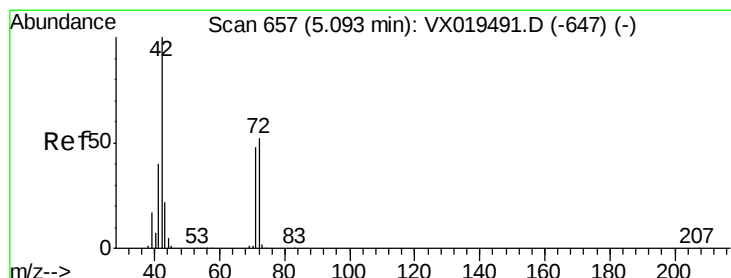
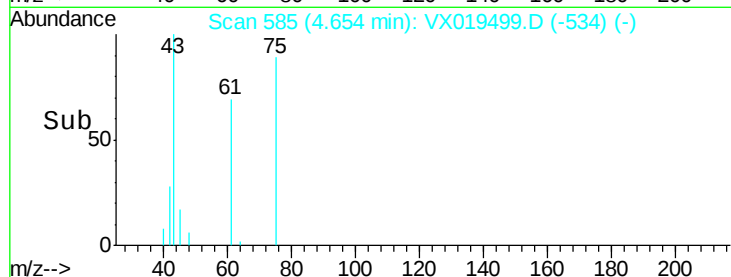
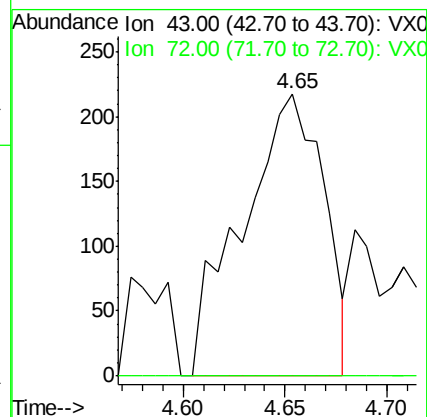
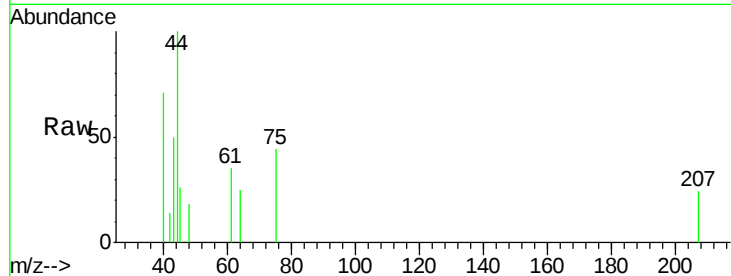
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

72 0.0 24.0 36.0#



#29

Tetrahydrofuran

Concen: 0.380 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

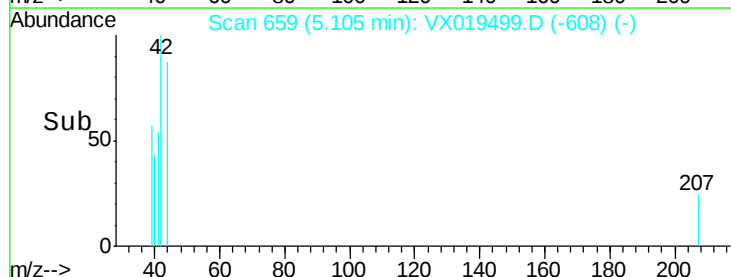
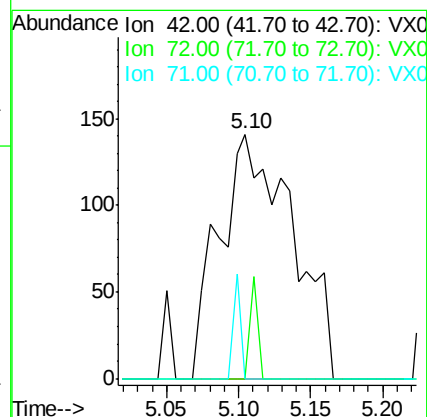
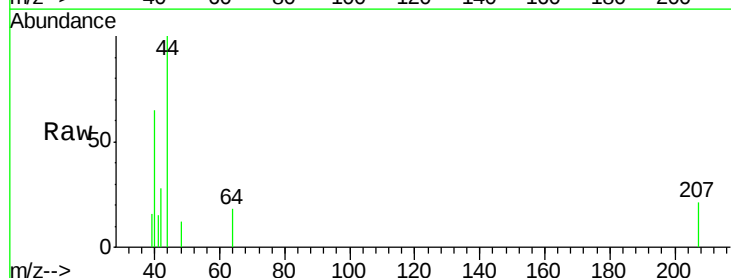
Tgt Ion: 42 Resp: 499

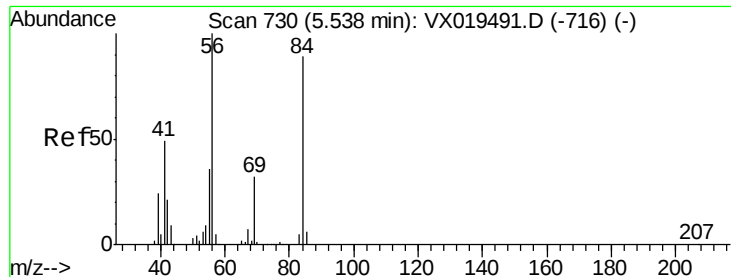
Ion Ratio Lower Upper

42 100

72 4.4 42.6 63.8#

71 4.4 39.0 58.6#

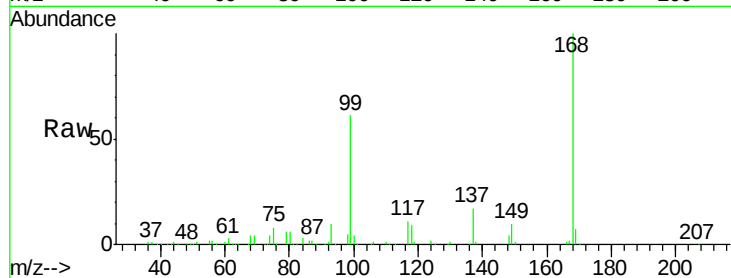




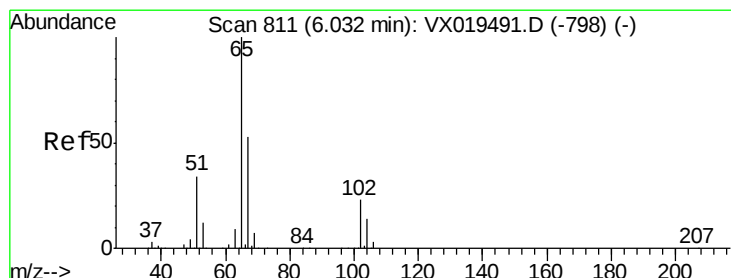
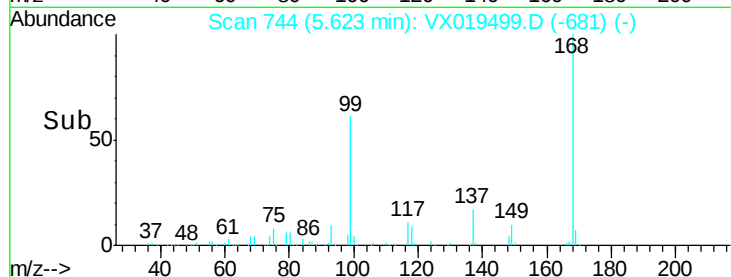
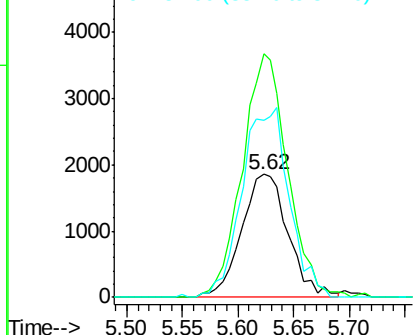
#31
Cyclohexane
Concen: 1.176 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.09 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

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

Tot Ion: 56 Resp: 5424
Ion Ratio Lower Upper
56 100
69 198.4 25.5 38.3#
84 144.3 71.1 106.7#

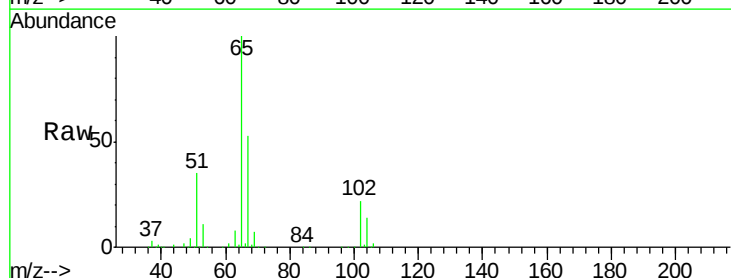


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

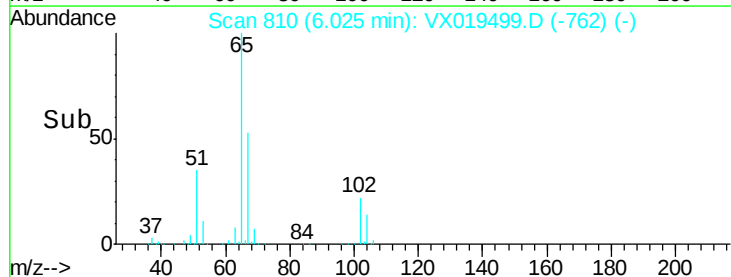
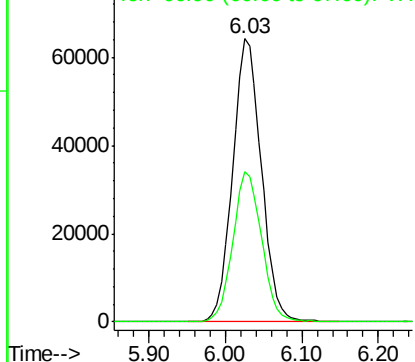


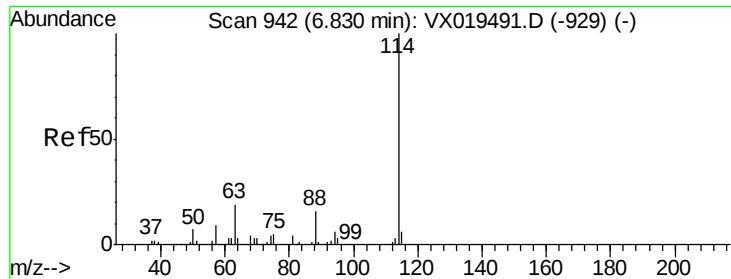
#33
1,2-Dichloroethane-d4
Concen: 46.971 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

Tgt Ion: 65 Resp: 166603
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

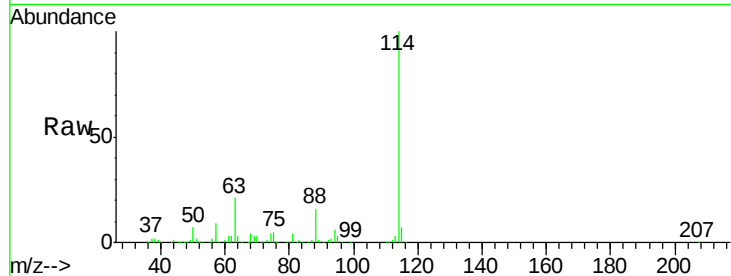
Tot Ion:114 Resp: 445712

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.8

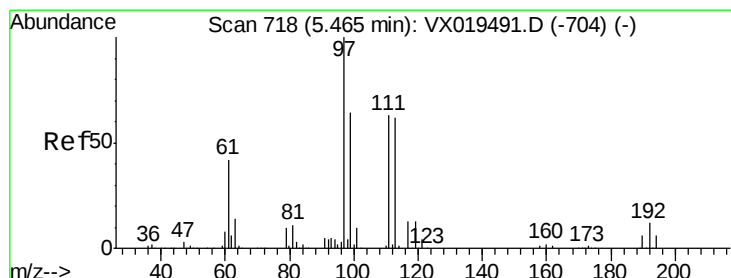
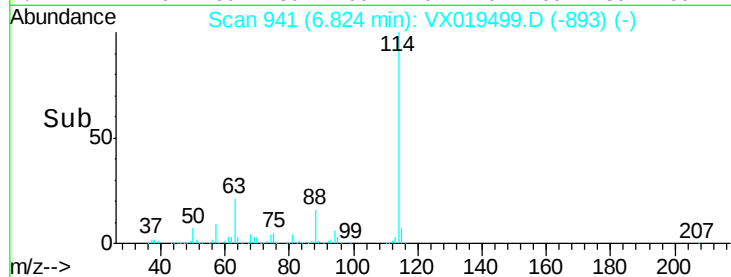
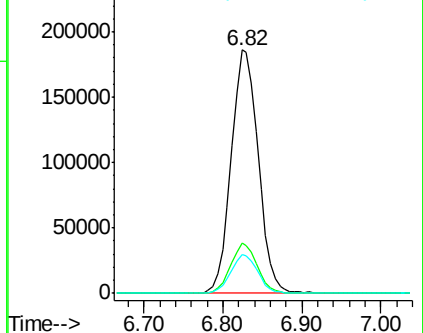
88 16.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.308 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

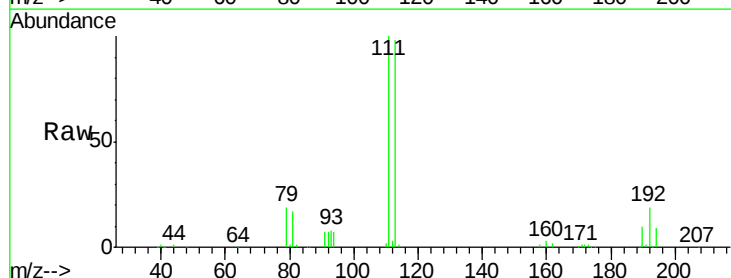
Tgt Ion:113 Resp: 132355

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

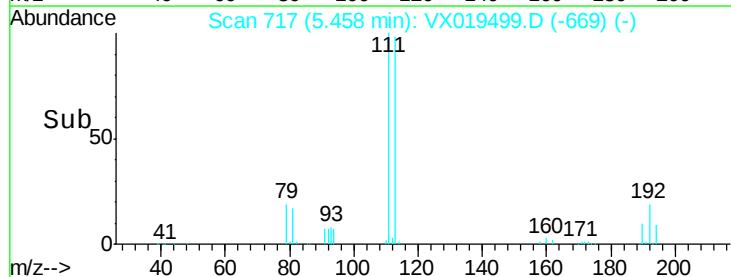
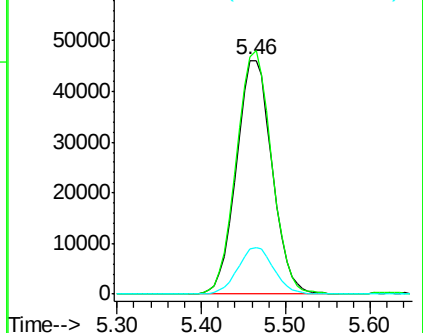
192 20.2 16.2 24.2

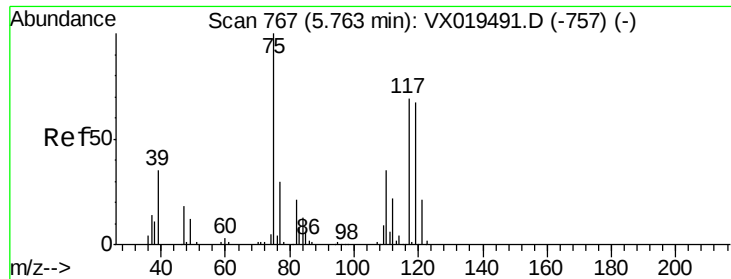


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.899 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

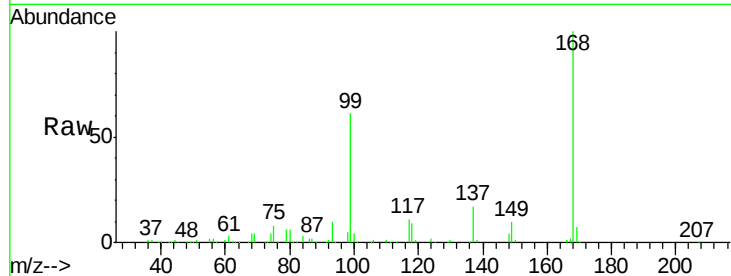
Tot Ion: 75 Resp: 20471

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

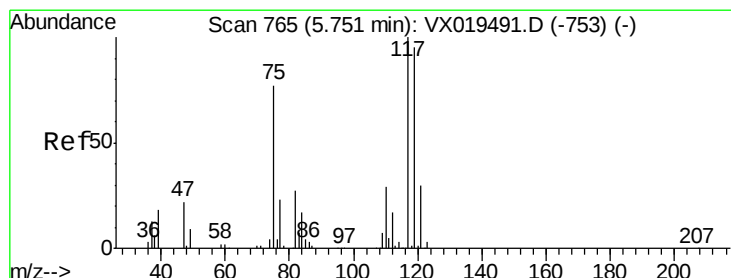
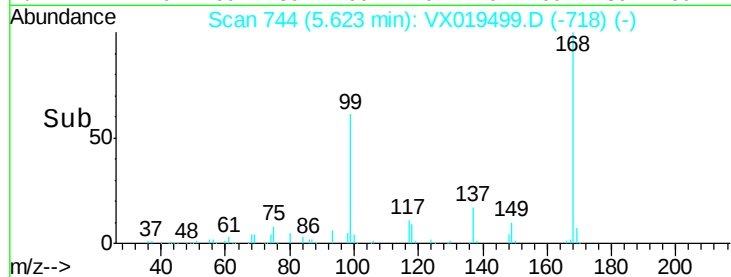
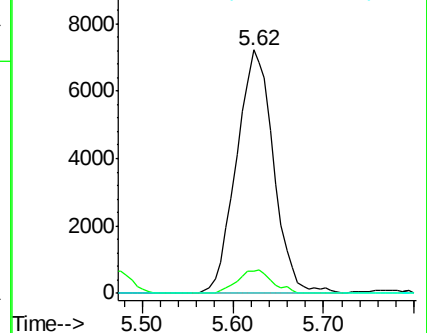
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.635 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

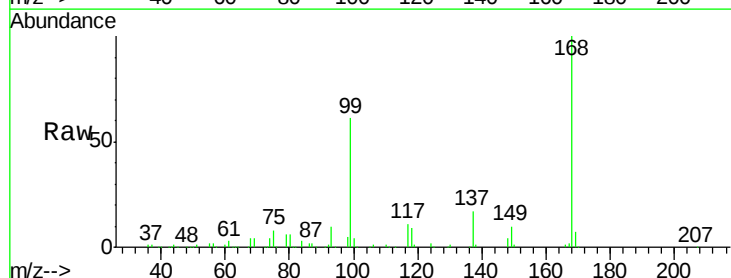
Tgt Ion: 117 Resp: 26834

Ion Ratio Lower Upper

117 100

119 7.5 75.9 113.9#

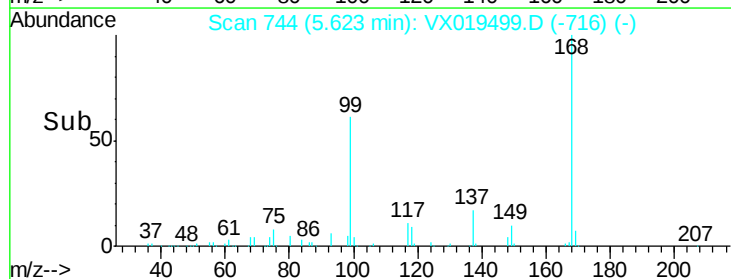
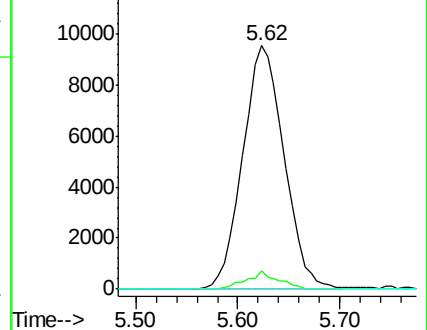
121 0.0 24.0 36.0#

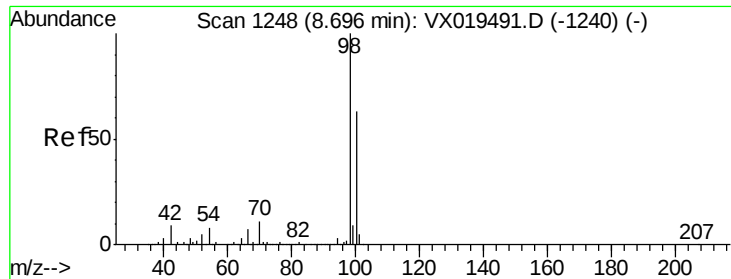


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.047 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

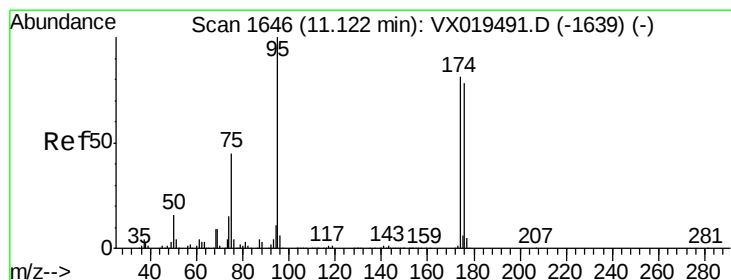
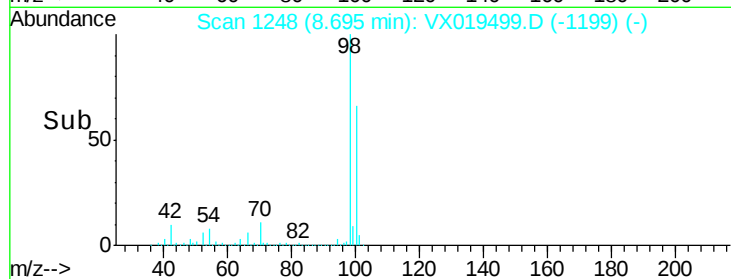
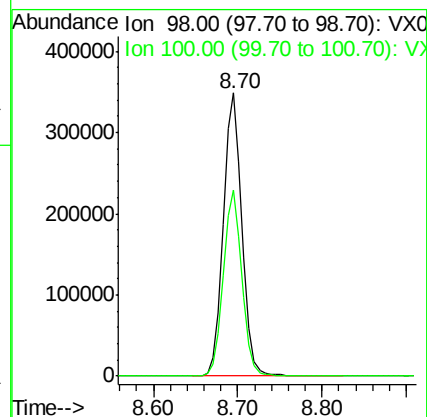
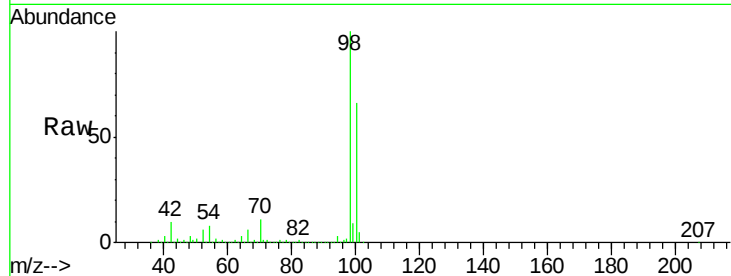
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 533224

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.525 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

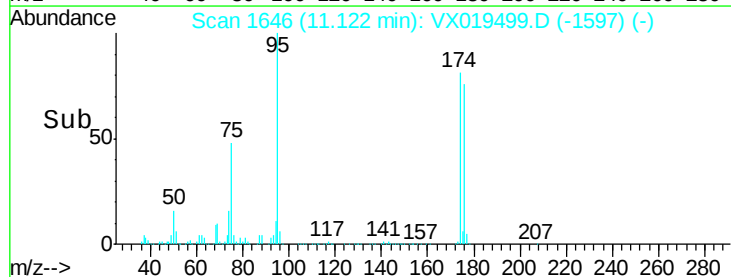
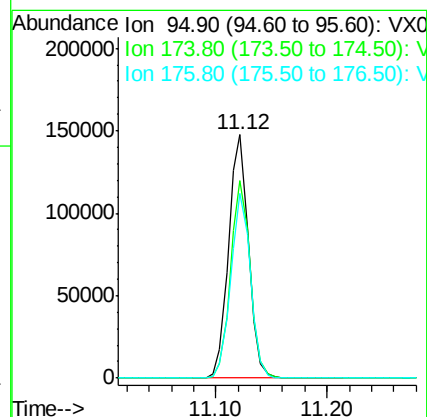
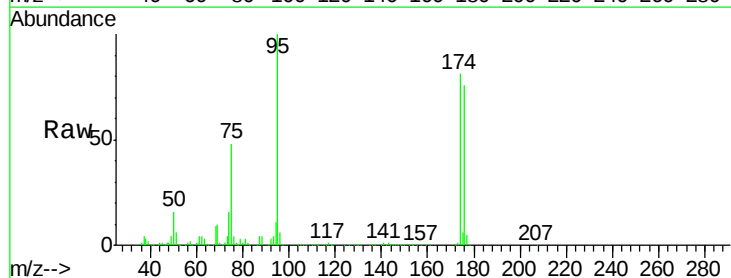
Tgt Ion: 95 Resp: 181982

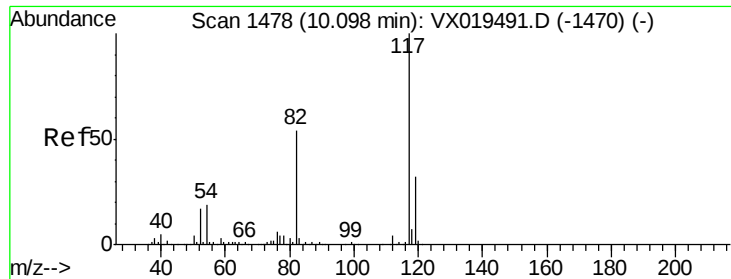
Ion Ratio Lower Upper

95 100

174 79.9 0.0 156.2

176 75.2 0.0 151.4

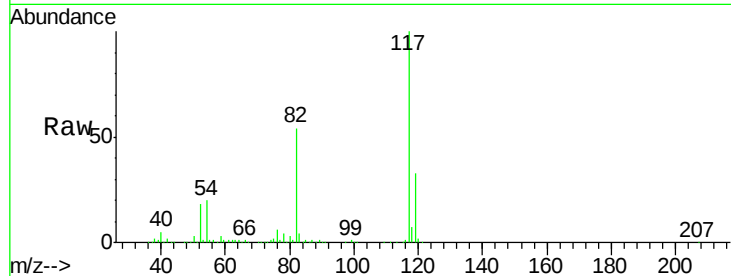




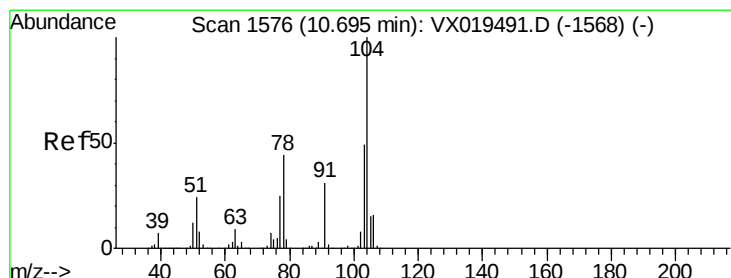
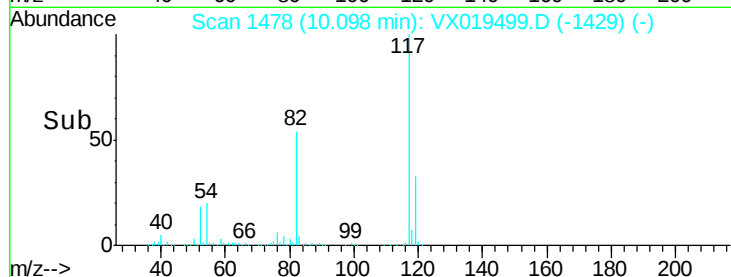
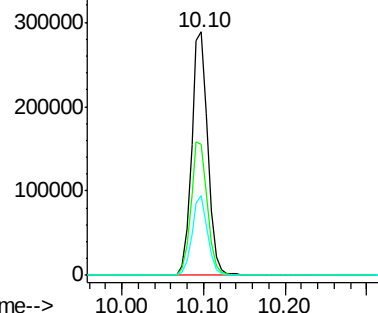
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.0	64.4
119	32.9	25.6	38.4

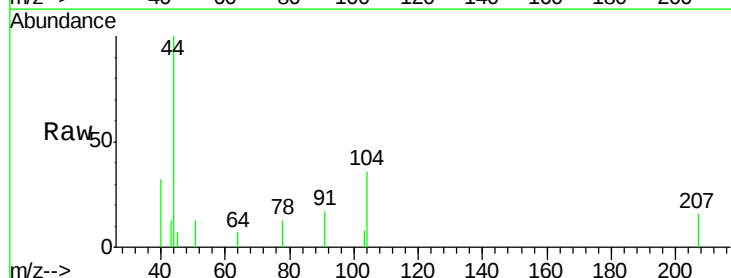


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

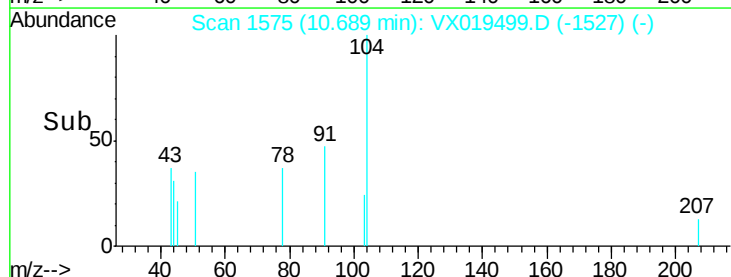
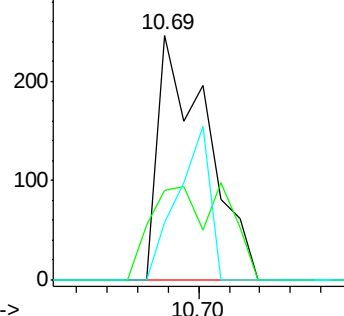


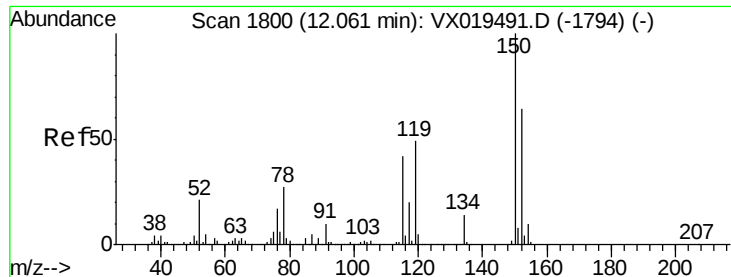
#70
Styrene
Concen: 1.673 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.2	39.5	59.3
103	41.5	43.6	65.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019499.D

Acq: 20 Nov 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

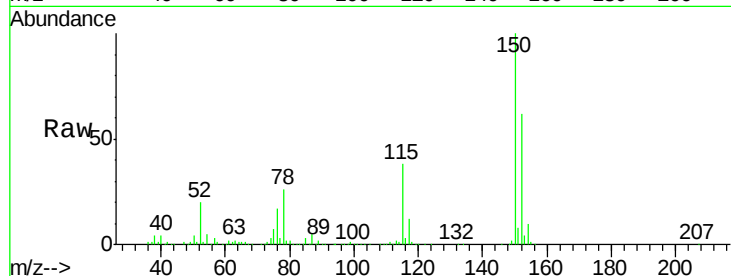
Tot Ion:152 Resp: 168468

Ion Ratio Lower Upper

152 100

115 60.6 41.8 125.4

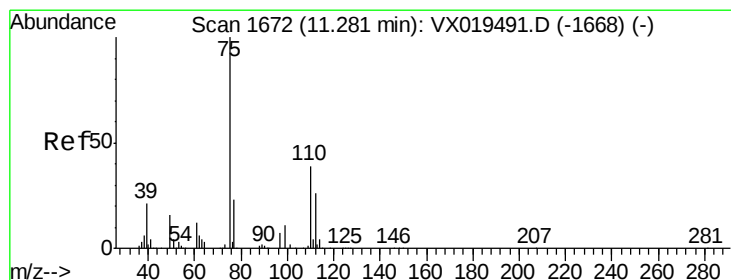
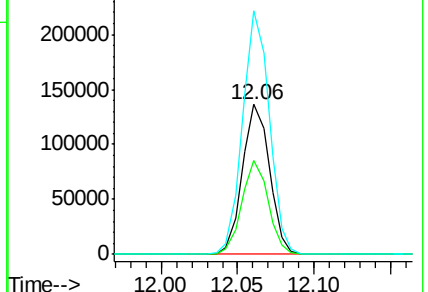
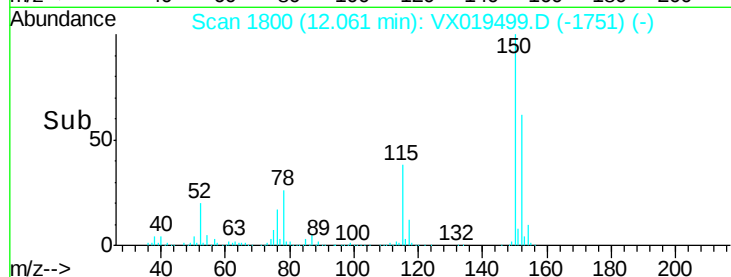
150 159.8 0.0 348.2



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: 24.123 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019499.D

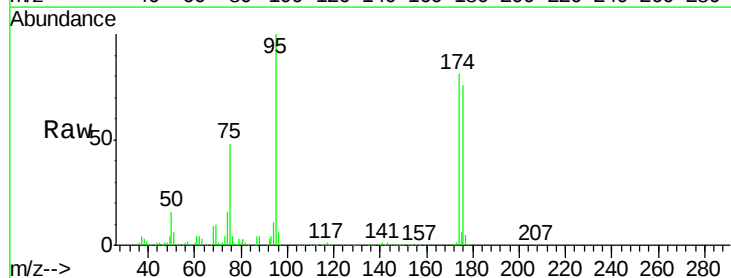
Acq: 20 Nov 2020 16:39

Tgt Ion: 75 Resp: 88688

Ion Ratio Lower Upper

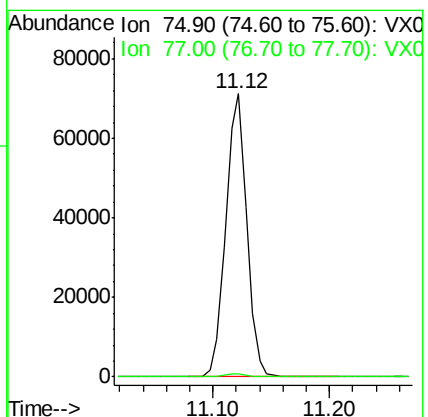
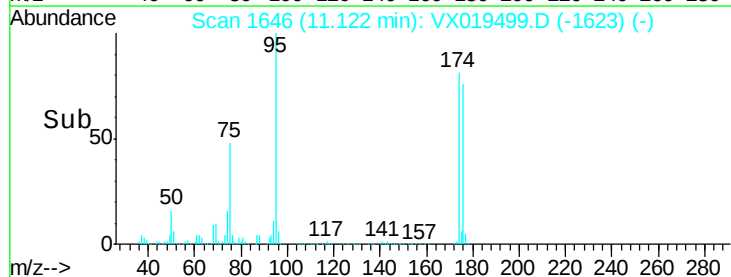
75 100

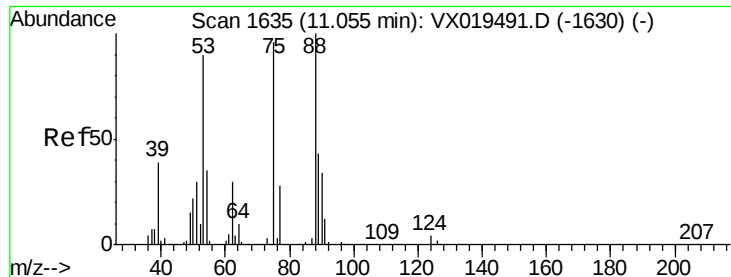
77 1.3 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

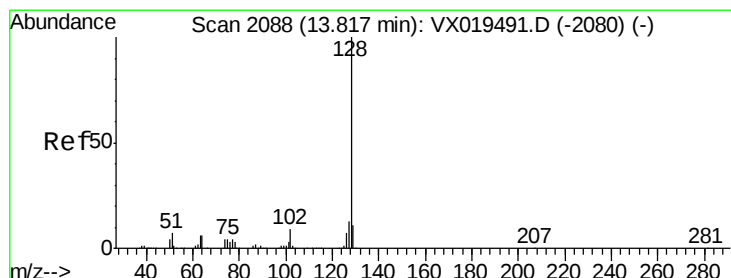
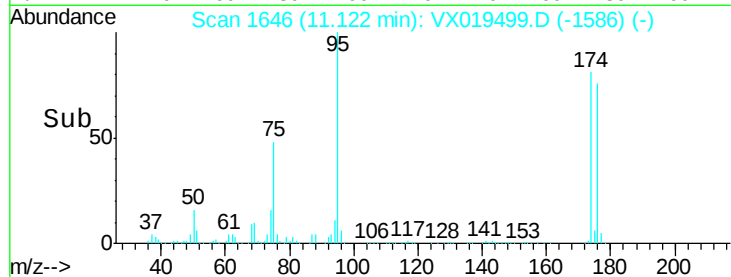
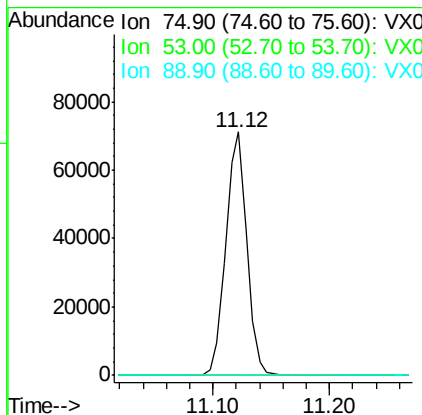
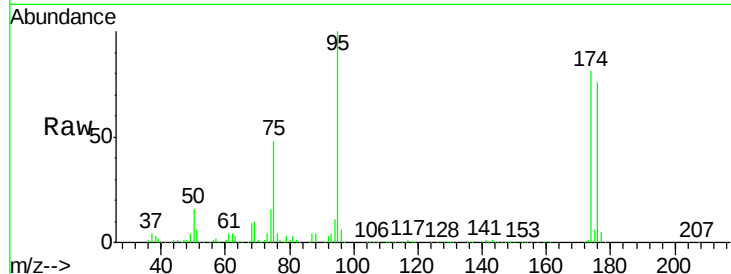




#81
trans-1,4-Dichloro-2-butene
Concen: 63.871 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

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

Tot Ion: 75 Resp: 88688
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.235 ug/l
RT: 13.82 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VX019499.D
Acq: 20 Nov 2020 16:39

Tgt Ion:128 Resp: 745
Ion Ratio Lower Upper
128 100
127 14.8 10.3 15.5
129 0.0 8.7 13.1#

