

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017111.D
 Acq On : 01 Jul 2020 20:11
 Operator : JC/SP
 Sample : L3159-04 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20200629

Quant Time: Jul 02 01:39:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	221076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	385467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	392354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210740	50.00	ug/l	0.00

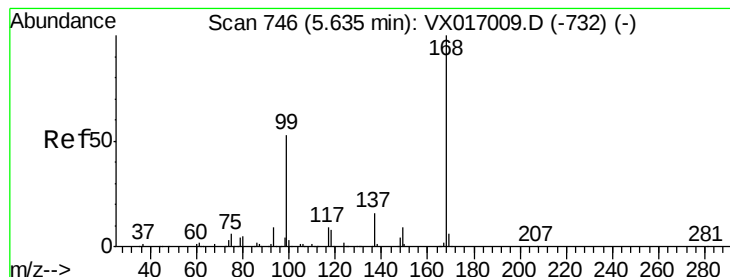
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	148199	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
35) Dibromofluoromethane	5.46	113	125789	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	8.70	98	462275	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.12	95	193062	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	

Target Compounds

					Qvalue
8) Diethyl Ether	2.17	74	267	0.587 ug/l #	41
11) Tert butyl alcohol	3.01	59	392	0.754 ug/l #	73
13) Acrolein	2.27	56	71	0.228 ug/l #	1
16) Acetone	2.42	43	1338	1.312 ug/l #	74
17) Carbon Disulfide	2.56	76	1271	0.231 ug/l #	75
20) Methylene Chloride	2.83	84	1568	Below Cal #	81
25) 2-Butanone	4.62	43	340	0.200 ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	582	0.212 ug/l	51
31) Cyclohexane	5.63	56	4646	1.263 ug/l #	8
36) 1,1-Dichloropropene	5.63	75	16861	4.628 ug/l #	50
38) Carbon Tetrachloride	5.64	117	22287	5.554 ug/l #	17
44) Trichloroethene	7.20	130	747	Below Cal	93
49) 1,4-Dioxane	7.77	88	23	0.348 ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	95297	22.996 ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	95297	59.551 ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	334	Below Cal #	25

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017111.D

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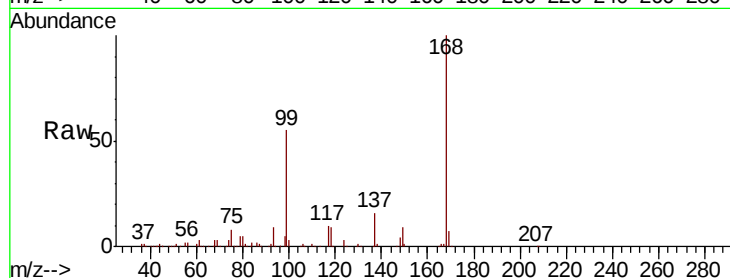
40S-20200629

Tot Ion:168 Resp: 221076

Ion Ratio Lower Upper

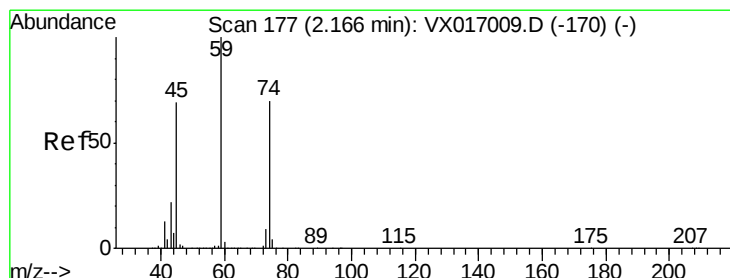
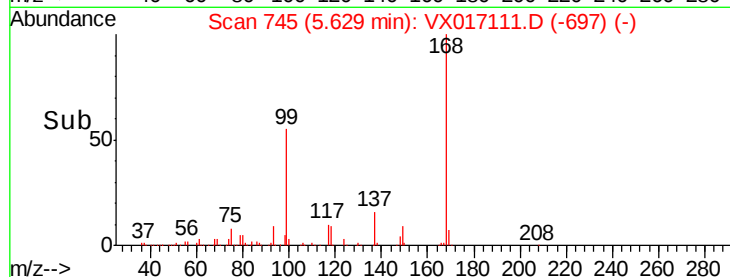
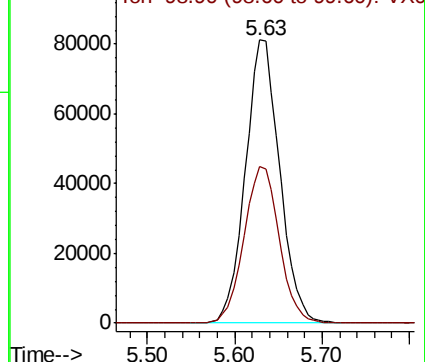
168 100

99 55.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.587 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017111.D

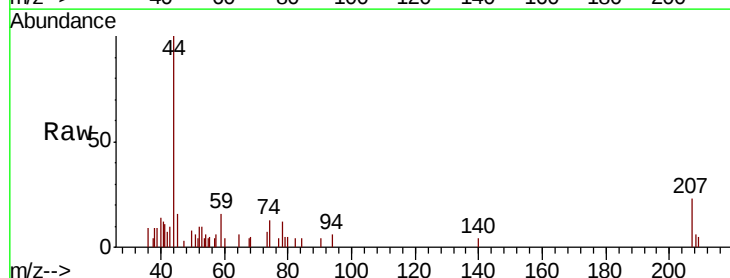
Acq: 01 Jul 2020 20:11

Tgt Ion: 74 Resp: 267

Ion Ratio Lower Upper

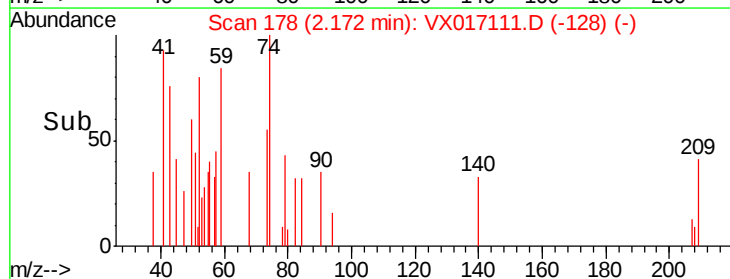
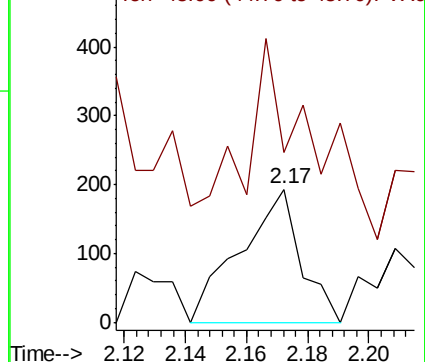
74 100

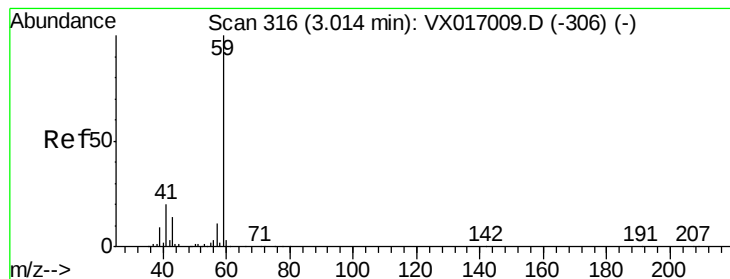
45 158.1 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



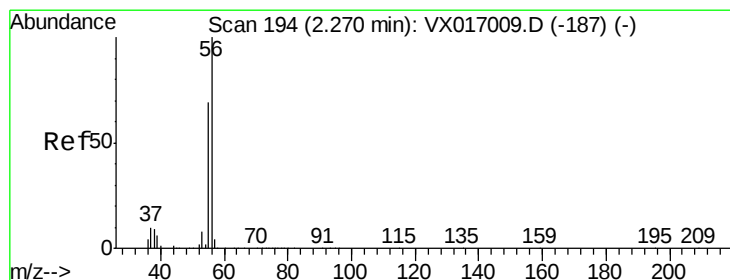
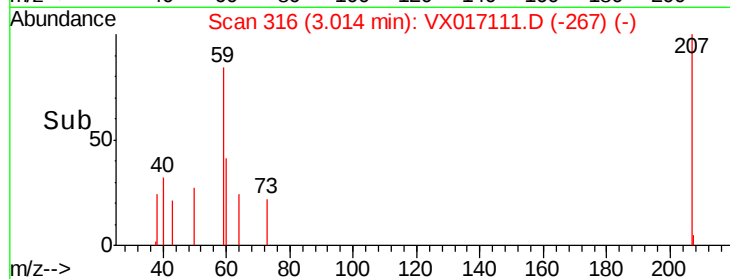
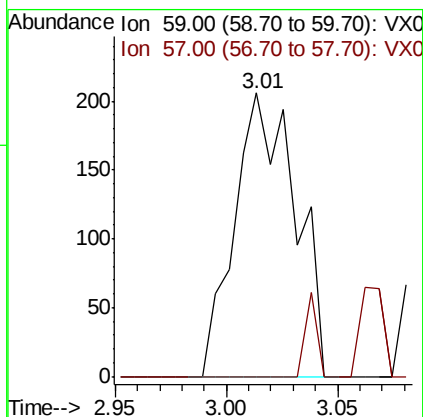
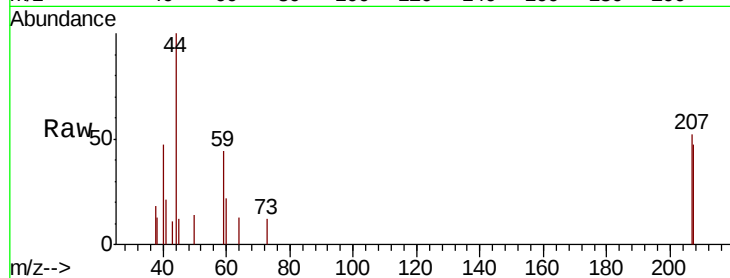


#11

Tert butyl alcohol
 Concen: 0.754 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX017111.D
 Acq: 01 Jul 2020 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20200629

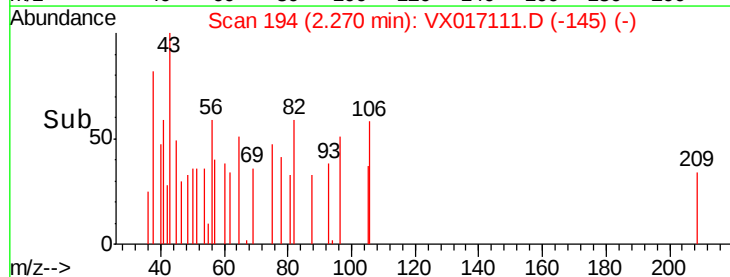
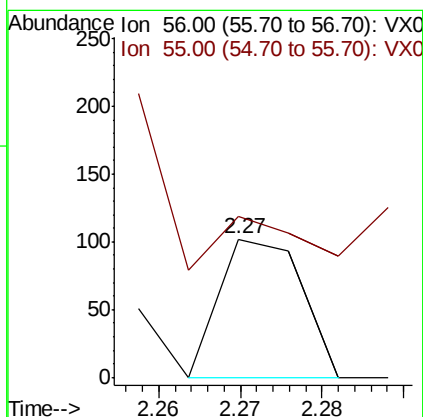
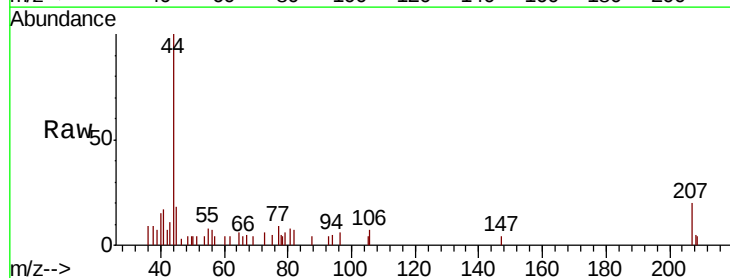
Tot Ion: 59 Resp: 392
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

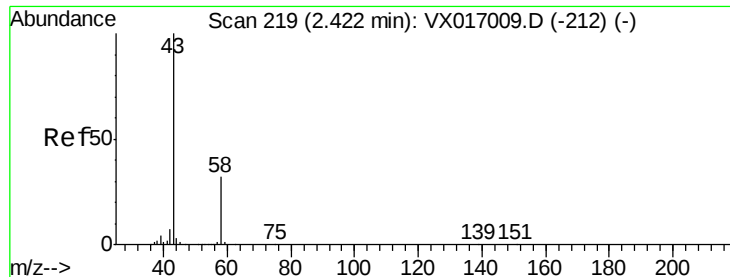


#13

Acrolein
 Concen: 0.228 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX017111.D
 Acq: 01 Jul 2020 20:11

Tgt Ion: 56 Resp: 71
 Ion Ratio Lower Upper
 56 100
 55 483.1 55.7 83.5#





#16

Acetone

Concen: 1.312 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

Instrument :

MSVOA_X

ClientSampleId :

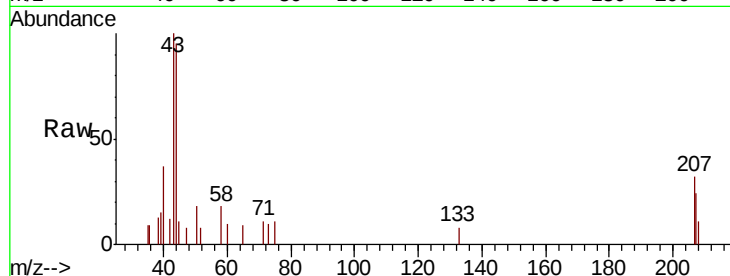
40S-20200629

Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

58 17.8 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

600

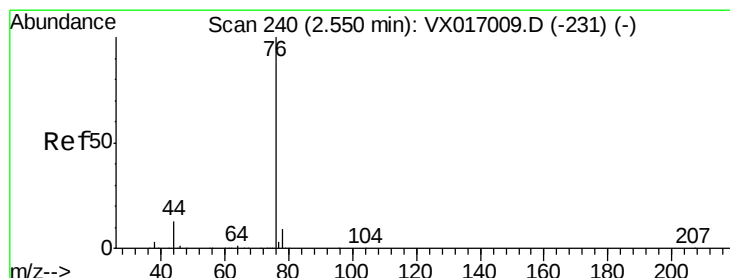
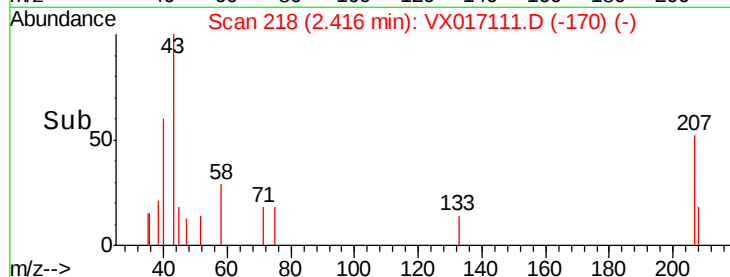
400

200

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.231 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017111.D

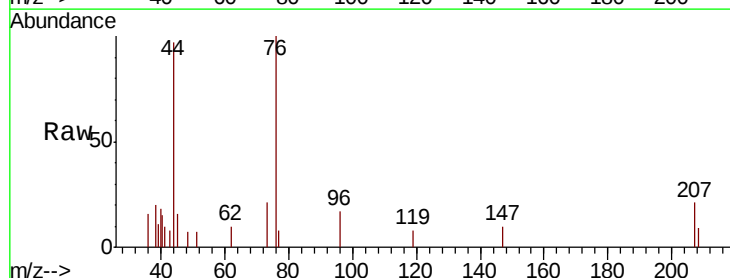
Acq: 01 Jul 2020 20:11

Tgt Ion: 76 Resp: 1271

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

800

600

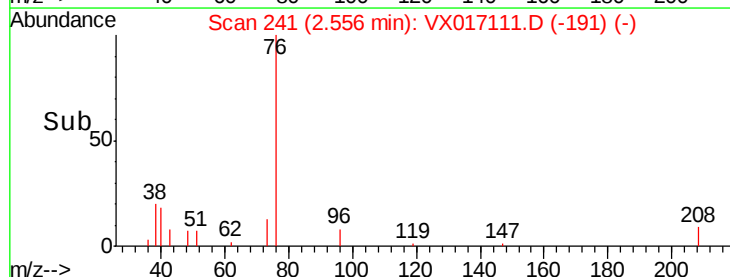
400

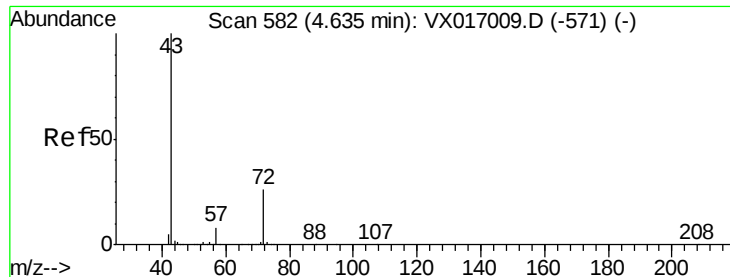
200

0

2.50 2.55 2.60

Time-->

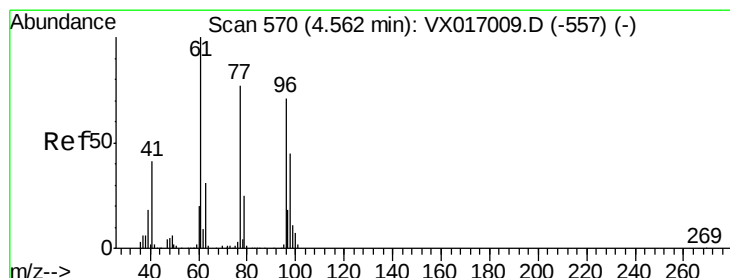
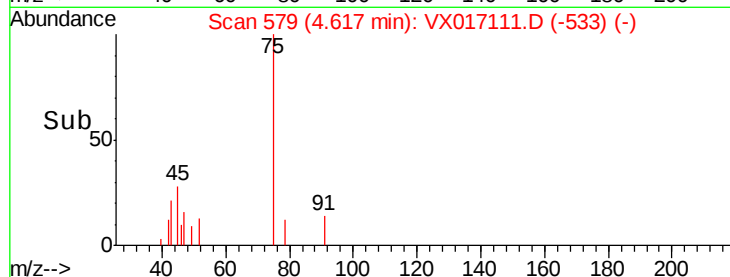
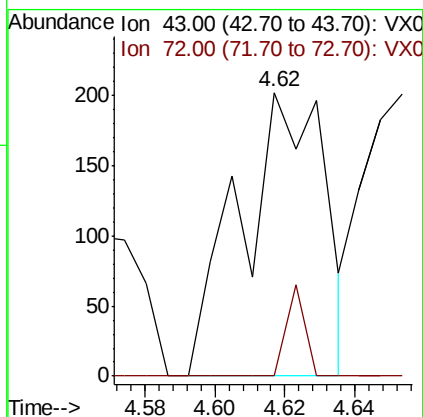
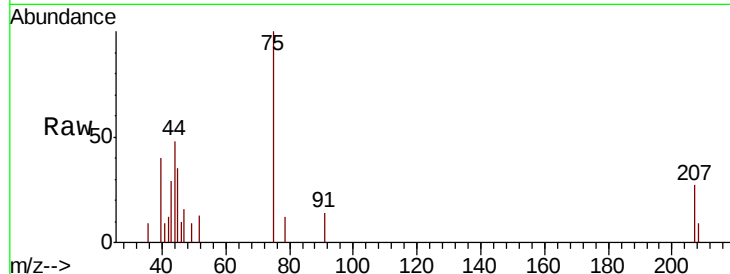




#25
 2-Butanone
 Concen: 0.200 ug/l
 RT: 4.62 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VX017111.D
 Acq: 01 Jul 2020 20:11

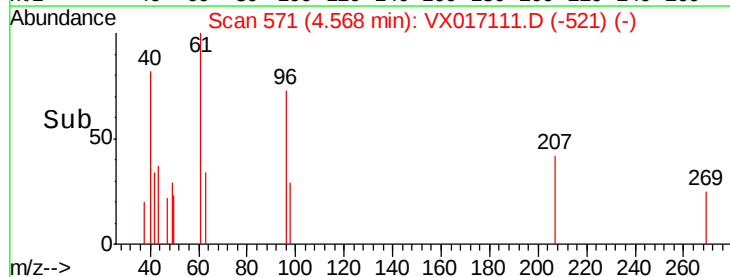
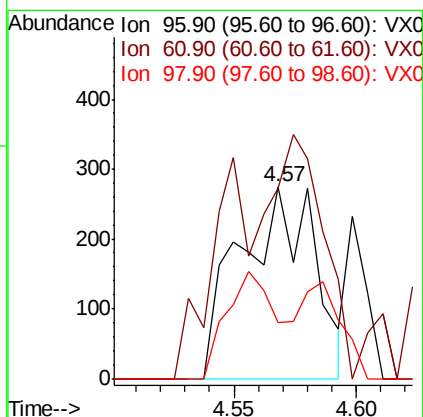
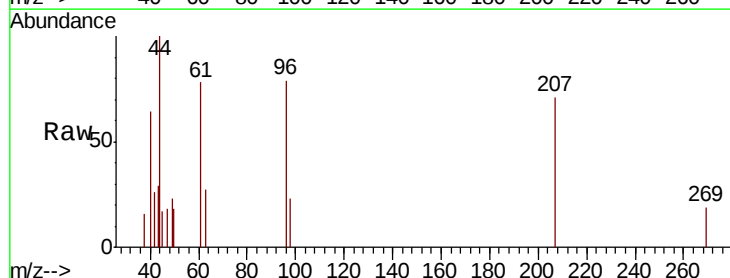
Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20200629

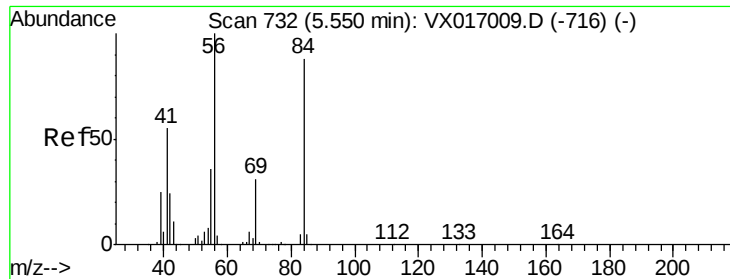
Tot Ion: 43 Resp: 340
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.8 31.2#



#27
 cis-1,2-Dichloroethene
 Concen: 0.212 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017111.D
 Acq: 01 Jul 2020 20:11

Tgt Ion: 96 Resp: 582
 Ion Ratio Lower Upper
 96 100
 61 80.9 0.0 282.8
 98 25.3 0.0 127.6

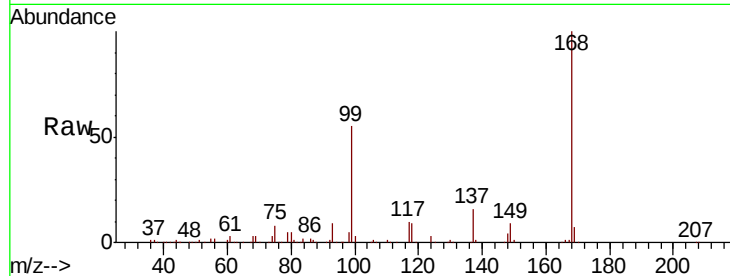




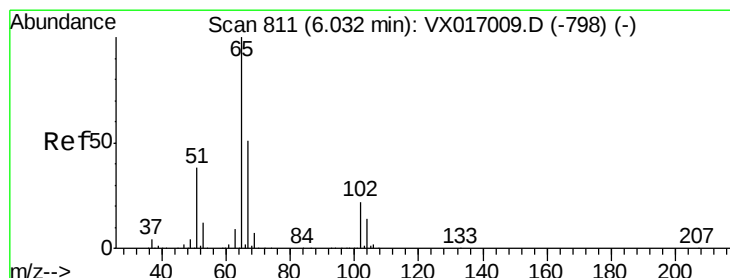
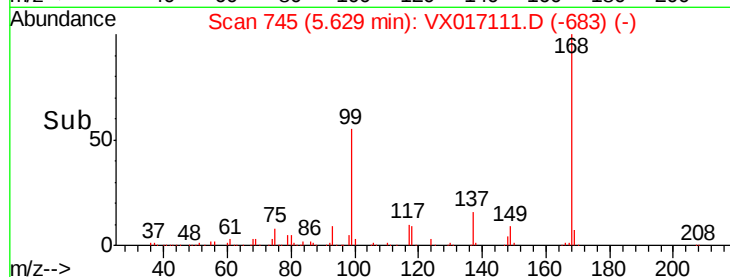
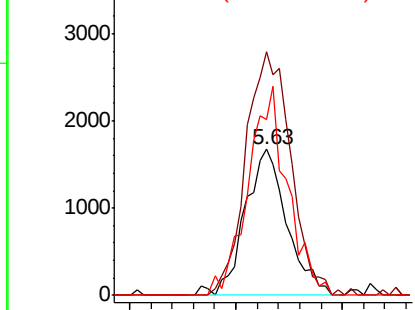
#31
Cvclohexane
Concen: 1.263 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017111.D
Acq: 01 Jul 2020 20:11

Instrument :
MSVOA_X
ClientSampleId :
40S-20200629

Tot Ion: 56 Resp: 4646
Ion Ratio Lower Upper
56 100
69 166.8 25.0 37.4#
84 120.5 69.1 103.7#

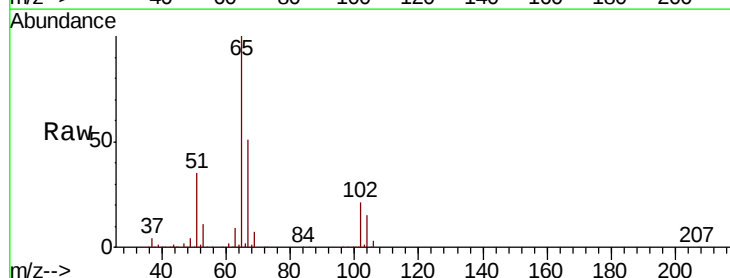


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

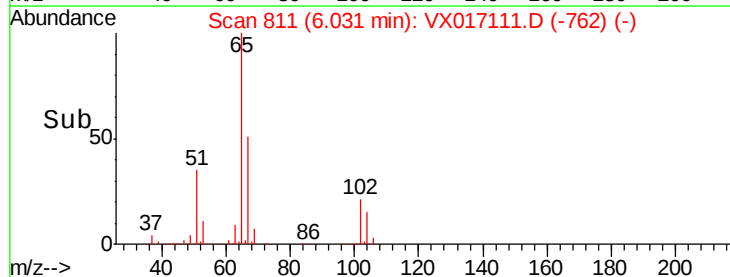
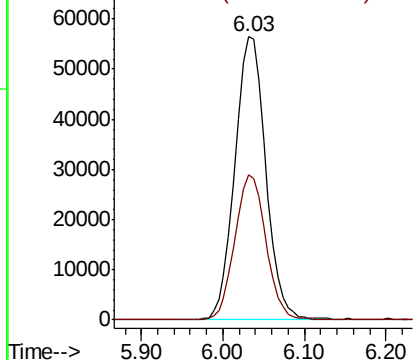


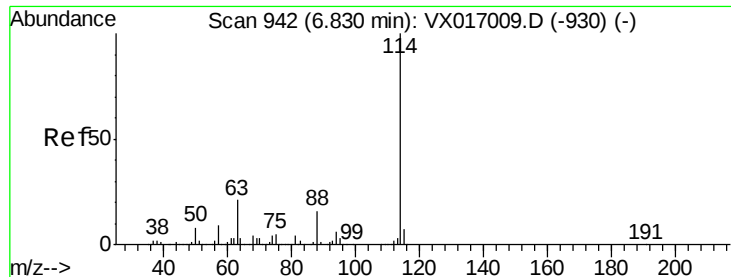
#33
1,2-Dichloroethane-d4
Concen: 54.377 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017111.D
Acq: 01 Jul 2020 20:11

Tgt Ion: 65 Resp: 148199
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

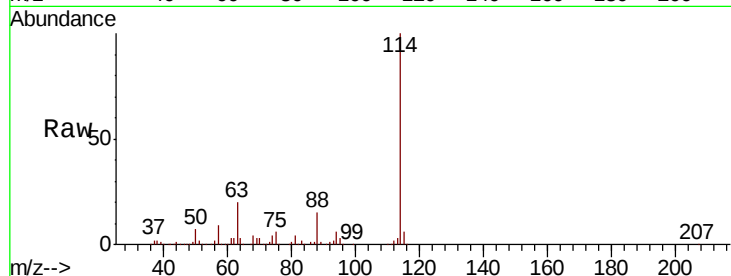
Tot Ion:114 Resp: 385467

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

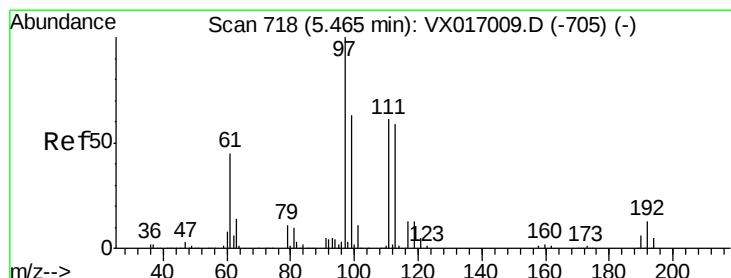
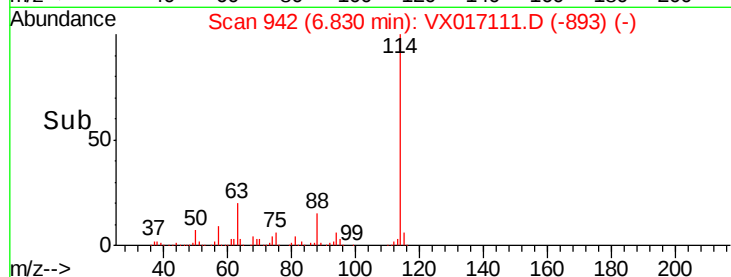
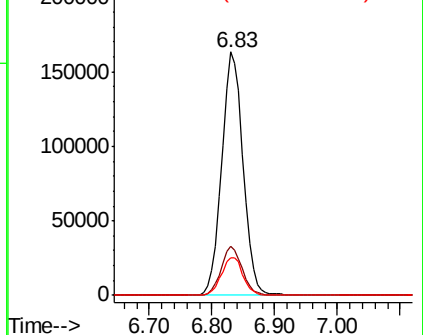
88 15.2 0.0 32.4



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: 51.588 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

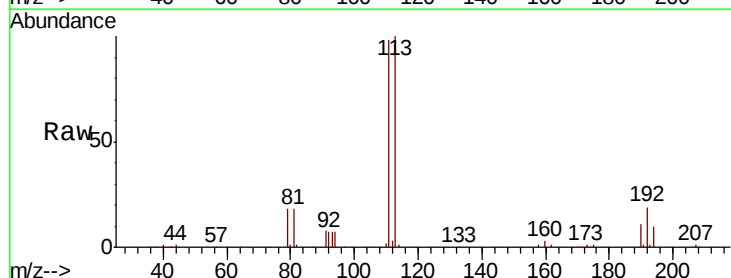
Tgt Ion:113 Resp: 125789

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

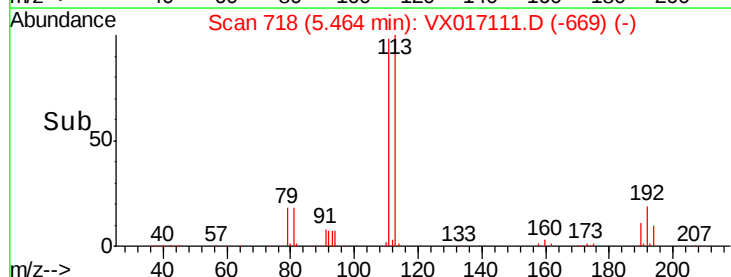
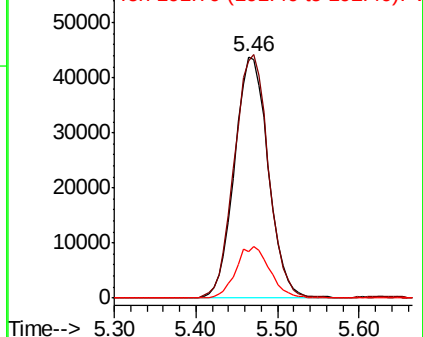
192 21.4 16.7 25.1

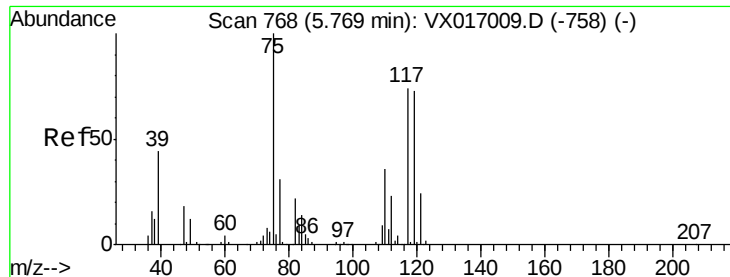


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

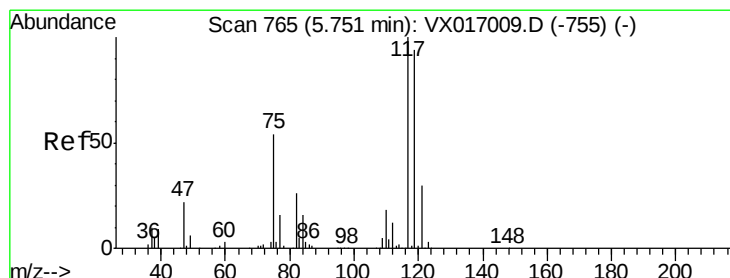
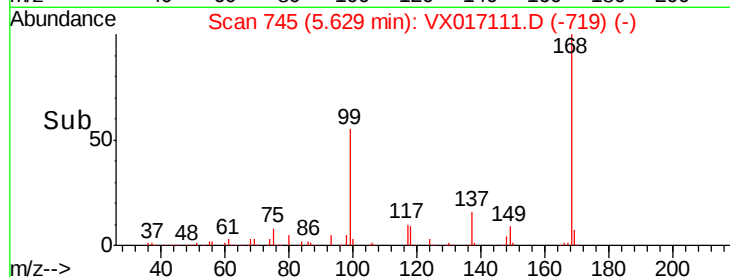
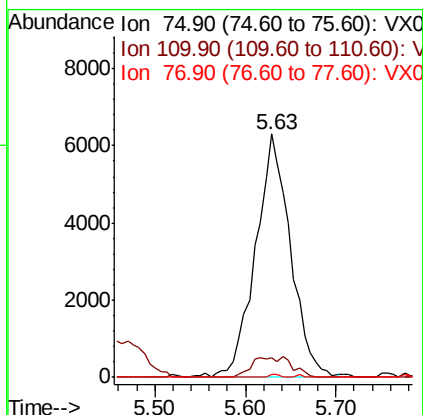
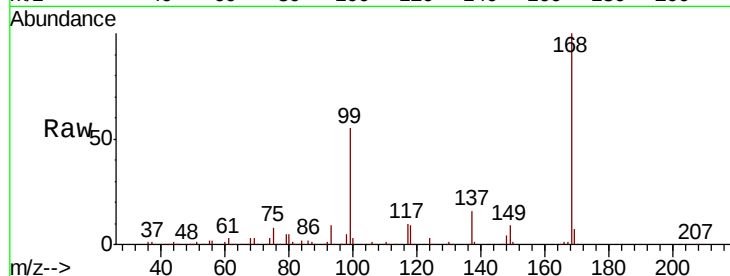




#36
 1,1-Dichloropropene
 Concen: 4.628 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017111.D
 Acq: 01 Jul 2020 20:11

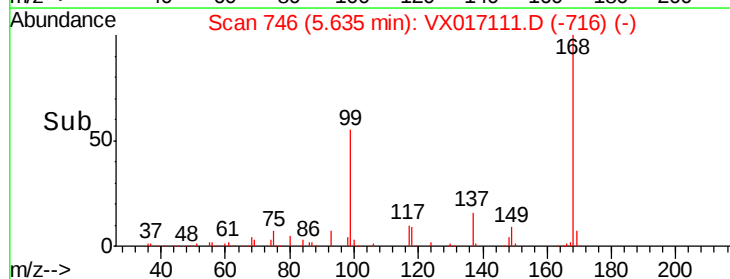
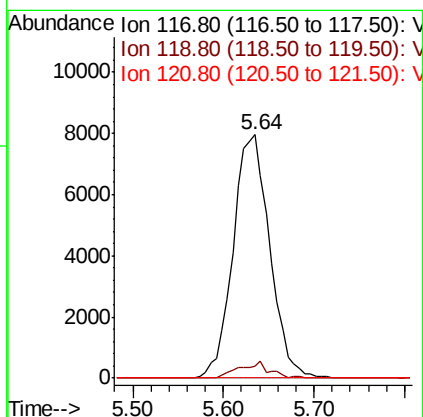
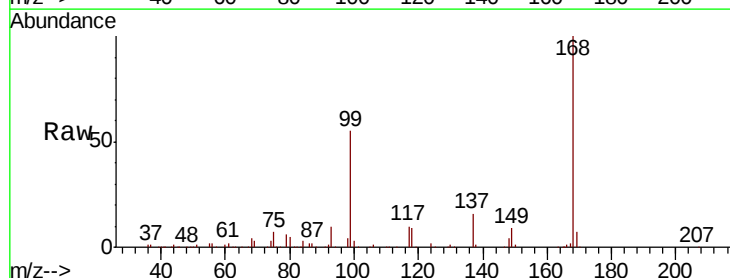
Instrument :
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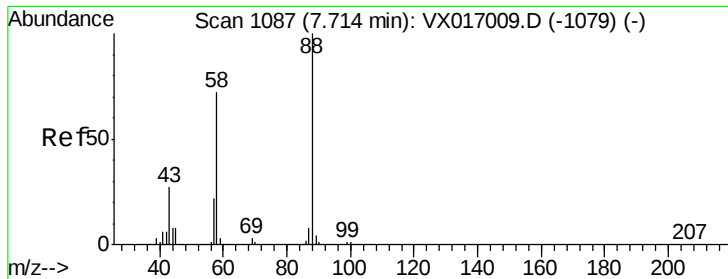
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.3	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.554 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017111.D
 Acq: 01 Jul 2020 20:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.4	113.0#
121	0.0	23.8	35.6#

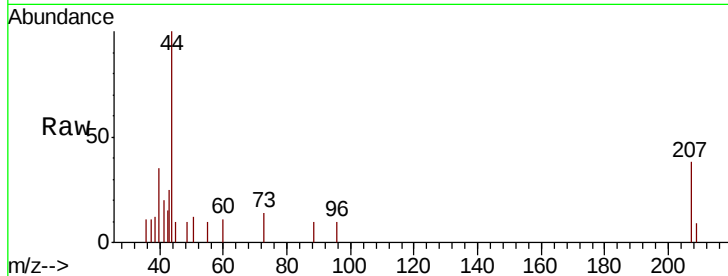




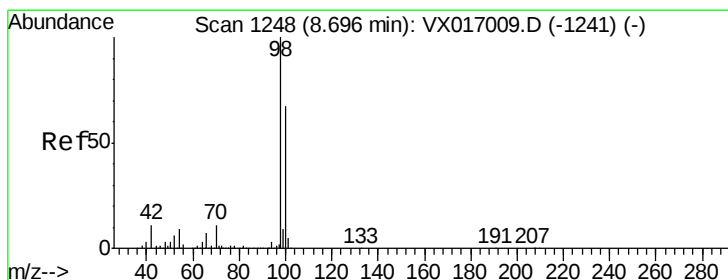
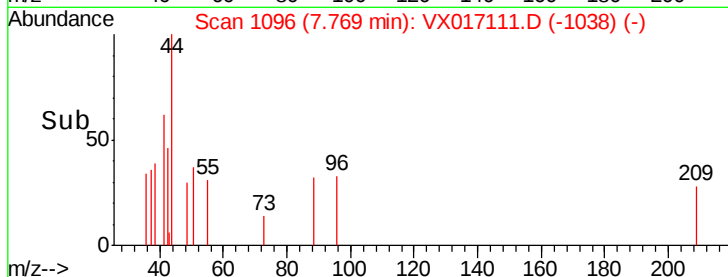
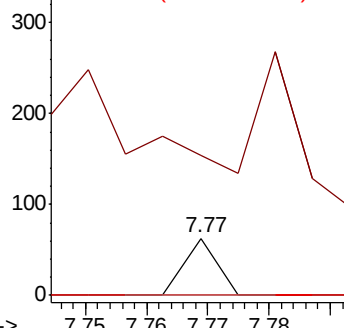
#49
1,4-Dioxane
Concen: 0.348 ug/l
RT: 7.77 min Scan# 1096
Delta R.T. 0.05 min
Lab File: VX017111.D
Acq: 01 Jul 2020 20:11

Instrument :
MSVOA_X
ClientSampleId :
40S-20200629

Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 2256.5 25.8 38.8#
58 0.0 54.8 82.2#

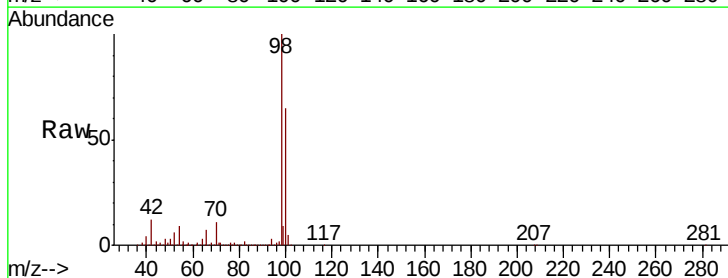


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

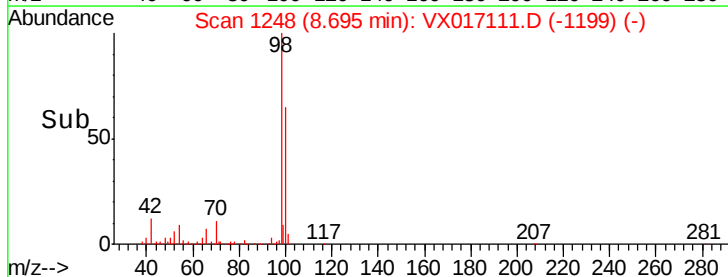
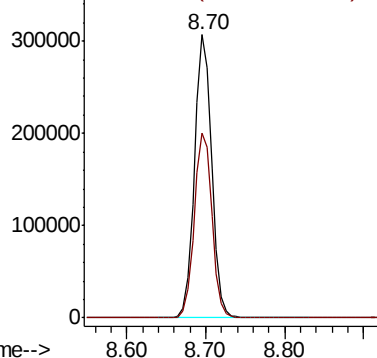


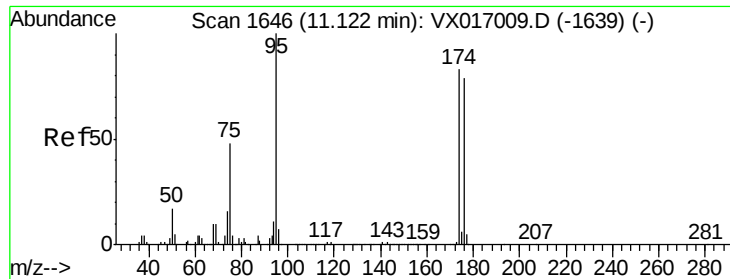
#50
Toluene-d8
Concen: 51.270 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017111.D
Acq: 01 Jul 2020 20:11

Tgt Ion: 98 Resp: 462275
Ion Ratio Lower Upper
98 100
100 67.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.775 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

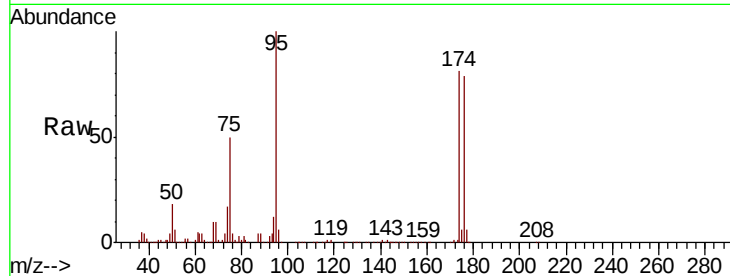
Tot Ion: 95 Resp: 193062

Ion Ratio Lower Upper

95 100

174 81.5 0.0 164.0

176 79.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

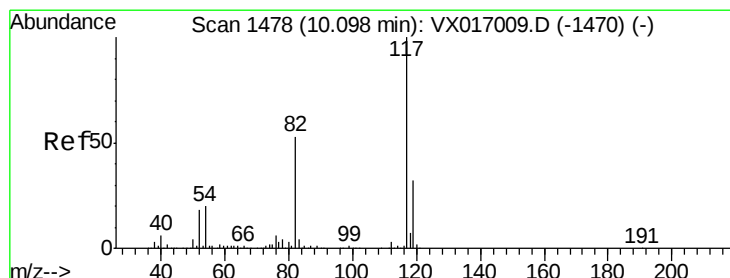
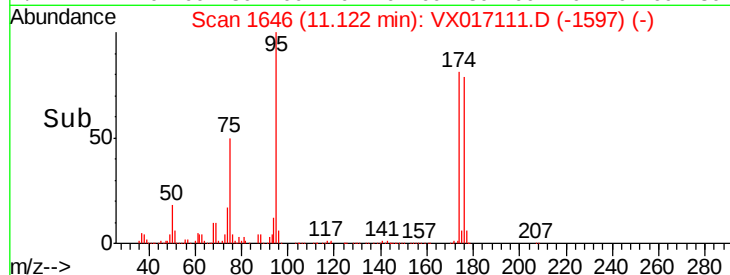
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

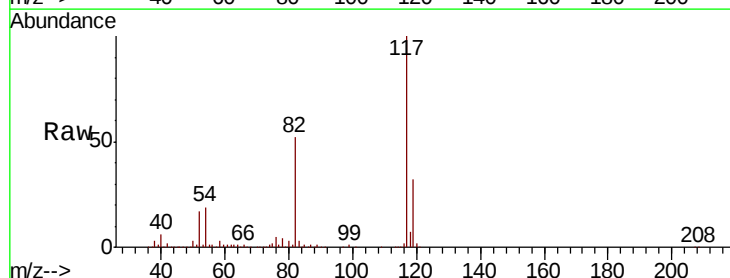
Tgt Ion: 117 Resp: 392354

Ion Ratio Lower Upper

117 100

82 51.6 42.6 63.8

119 32.4 25.4 38.2



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

10.10

400000

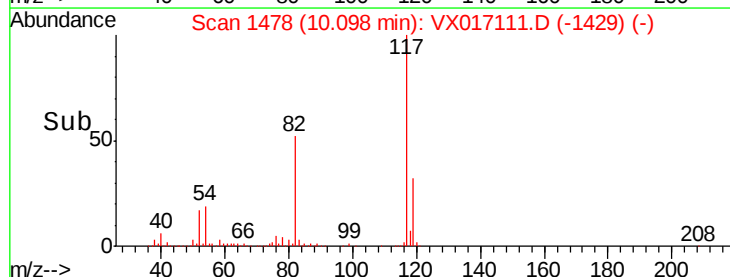
300000

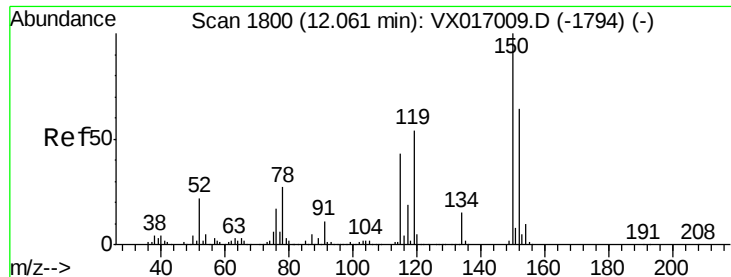
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

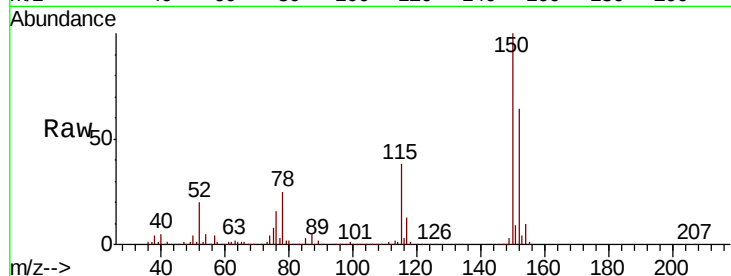
Tot Ion:152 Resp: 210740

Ion Ratio Lower Upper

152 100

115 58.2 40.9 122.7

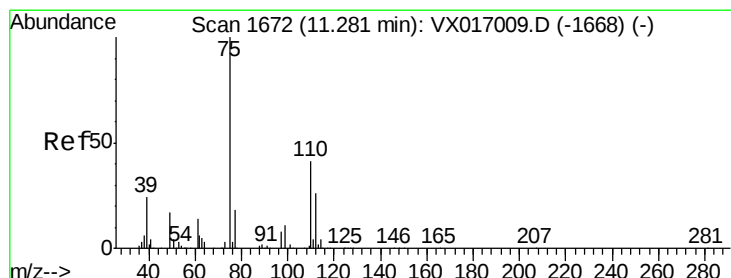
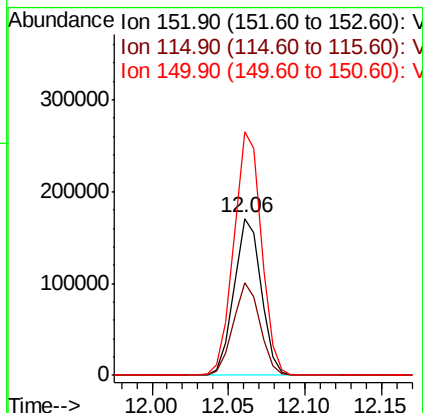
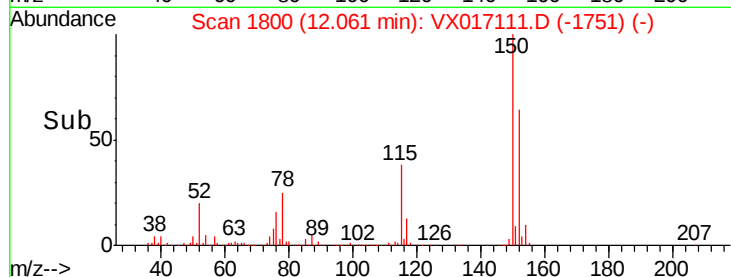
150 157.0 0.0 351.6



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: 22.996 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017111.D

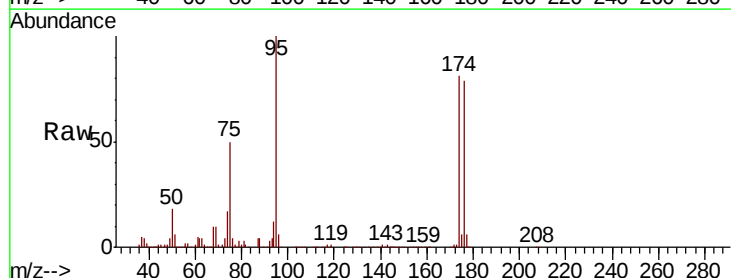
Acq: 01 Jul 2020 20:11

Tgt Ion: 75 Resp: 95297

Ion Ratio Lower Upper

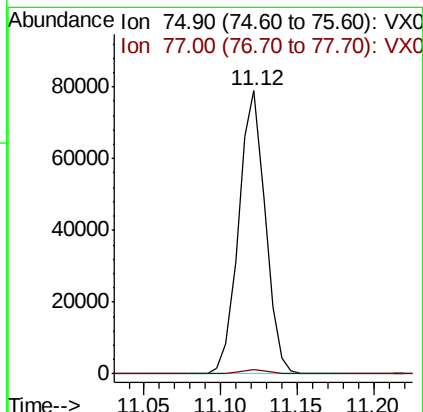
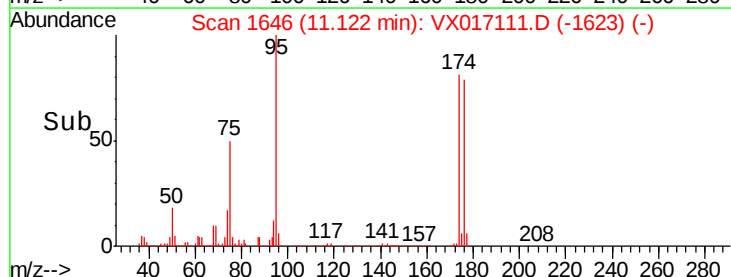
75 100

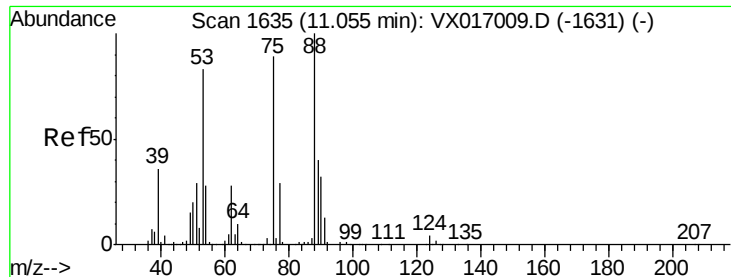
77 1.6 20.2 60.6#



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: 59.551 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017111.D

Acq: 01 Jul 2020 20:11

Instrument :

MSVOA_X

ClientSampleId :

40S-20200629

Tot Ion: 75 Resp: 95297

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

