

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012792.D
 Acq On : 03 Oct 2019 18:33
 Operator : JC/SP
 Sample : K5189-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127I-20190930

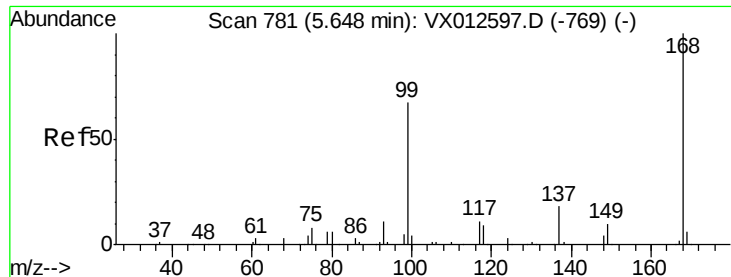
Quant Time: Oct 04 06:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	262827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99824	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	121513	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
35) Dibromofluoromethane	5.49	113	92167	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
50) Toluene-d8	8.71	98	360195	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.14	95	121303	44.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2019	0.898	ug/l #	88
5) Bromomethane	1.66	94	271	0.308	ug/l #	46
6) Chloroethane	1.76	64	819	0.543	ug/l	95
11) Tert butyl alcohol	3.04	59	992	1.566	ug/l #	72
13) Acrolein	2.29	56	20	10.287	ug/l #	15
16) Acetone	2.44	43	7943	5.914	ug/l #	85
20) Methylene Chloride	2.86	84	611	0.269	ug/l #	66
31) Cyclohexane	5.64	56	3900	1.105	ug/l #	11
36) 1,1-Dichloropropene	5.65	75	14447	4.970	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19086	6.464	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1659	0.473	ug/l #	1
60) Dibromochloromethane	9.34	129	1750	0.809	ug/l #	11
64) Tetrachloroethene	9.33	164	1756	0.958	ug/l #	86
76) 1,2,3-Trichloropropane	11.14	75	60562	22.935	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	60562	65.727	ug/l #	8
88) 1,4-Dichlorobenzene	12.10	146	889	0.266	ug/l #	24

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012792.D

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MSVOA_X

ClientSampleId :

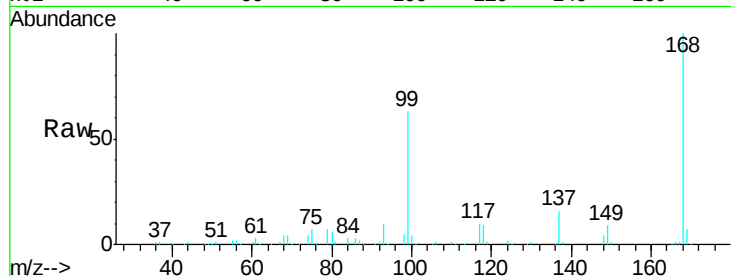
SA-MW127I-20190930

Tgt Ion:168 Resp: 174122

Ion Ratio Lower Upper

168 100

99 63.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

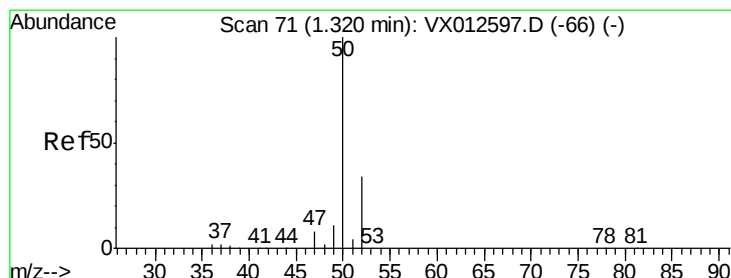
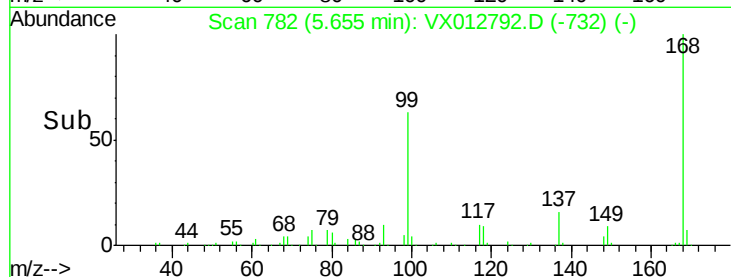
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.898 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012792.D

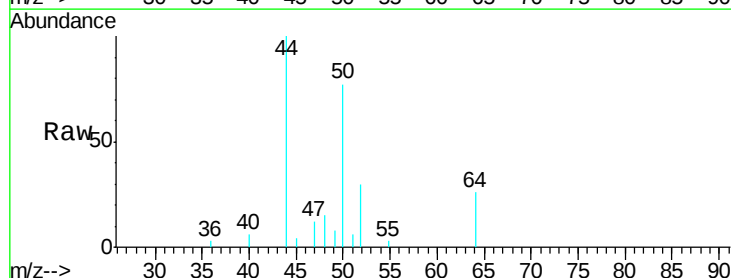
Acq: 03 Oct 2019 18:33

Tgt Ion: 50 Resp: 2019

Ion Ratio Lower Upper

50 100

52 38.6 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2000

1500

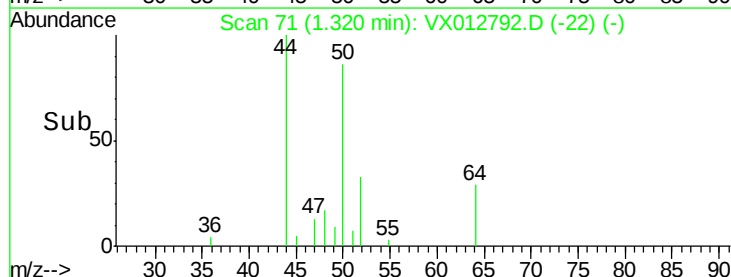
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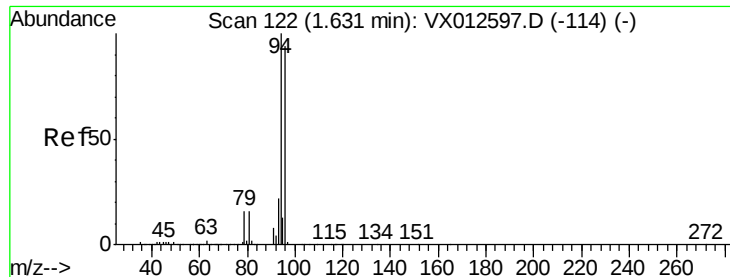
500

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.308 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.04 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

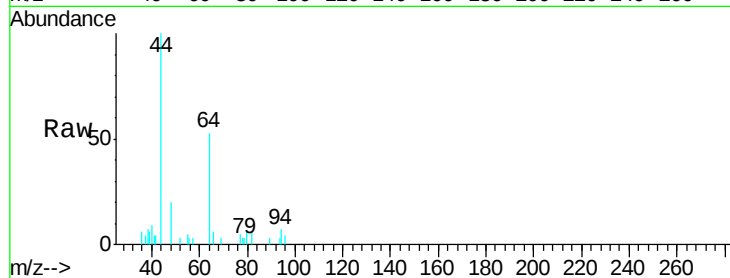
SA-MW127I-20190930

Tgt Ion: 94 Resp: 271

Ion Ratio Lower Upper

94 100

96 39.9 72.8 109.2#



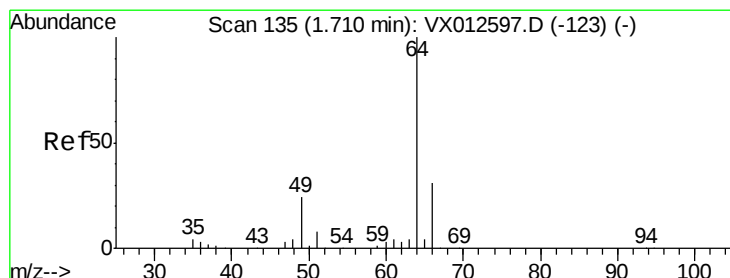
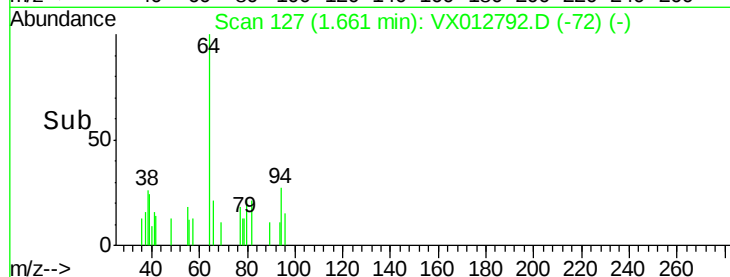
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: 0.543 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX012792.D

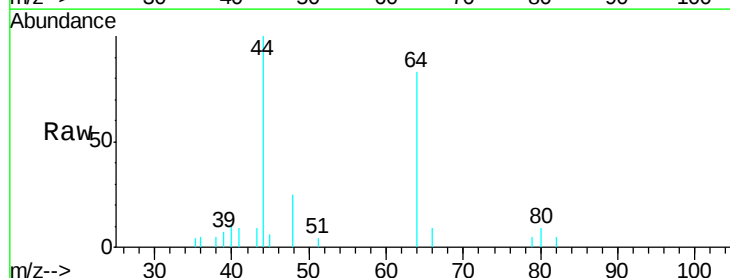
Acq: 03 Oct 2019 18:33

Tgt Ion: 64 Resp: 819

Ion Ratio Lower Upper

64 100

66 27.5 24.0 36.0



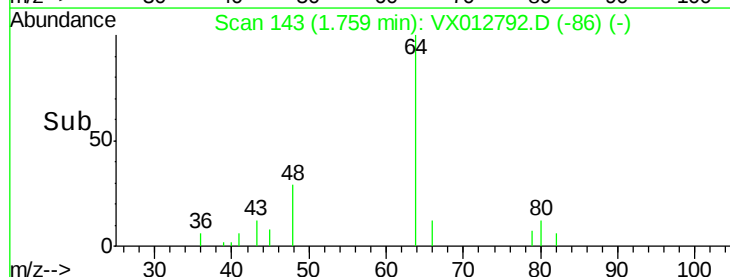
Abundance Ion 63.90 (63.60 to 64.60): VX0

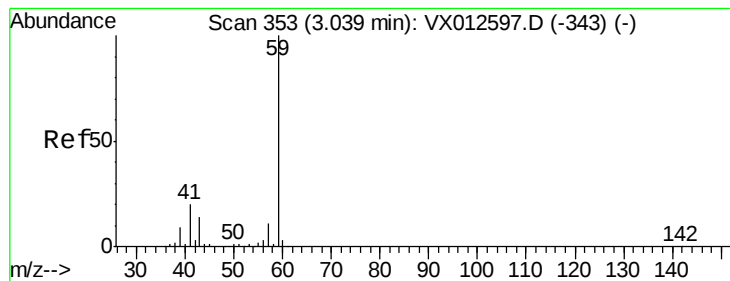
Ion 65.90 (65.60 to 66.60): VX0

1.76

1.70 1.75 1.80

Time-->



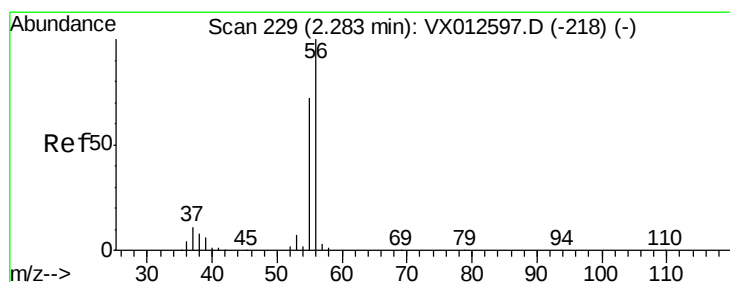
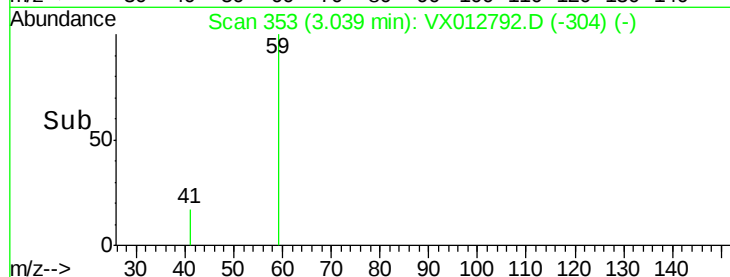
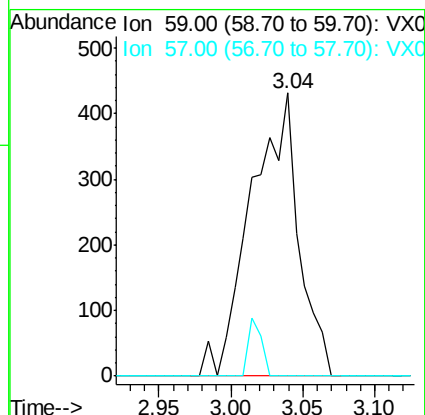
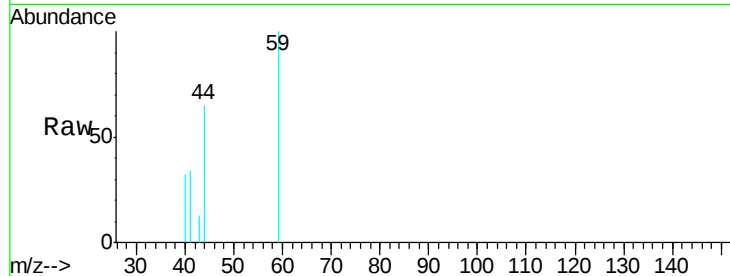


#11

Tert butyl alcohol
 Concen: 1.566 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012792.D
 Acq: 03 Oct 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW127I-20190930

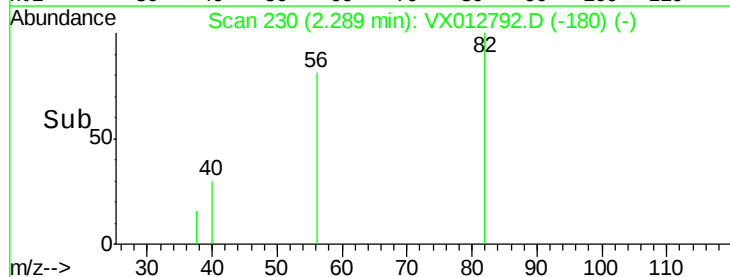
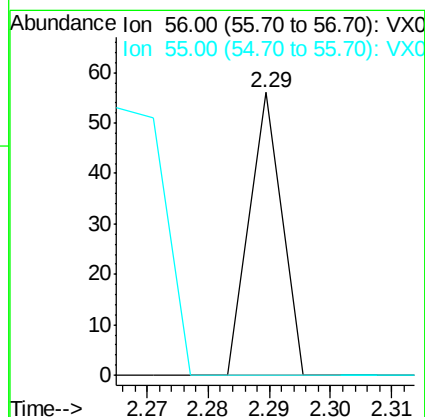
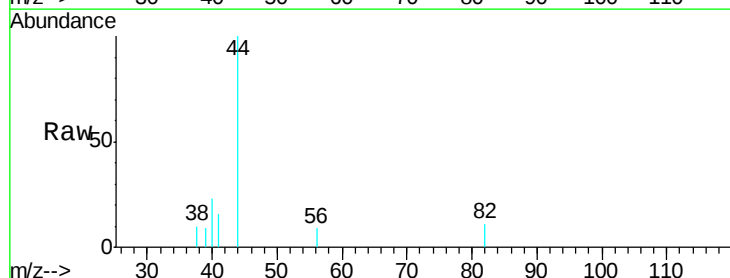
Tgt Ion: 59 Resp: 992
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

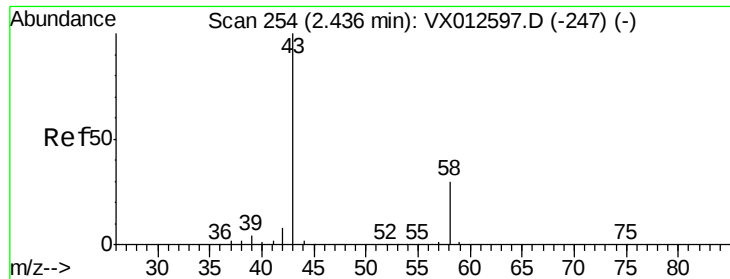


#13

Acrolein
 Concen: 10.287 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012792.D
 Acq: 03 Oct 2019 18:33

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 5.914 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

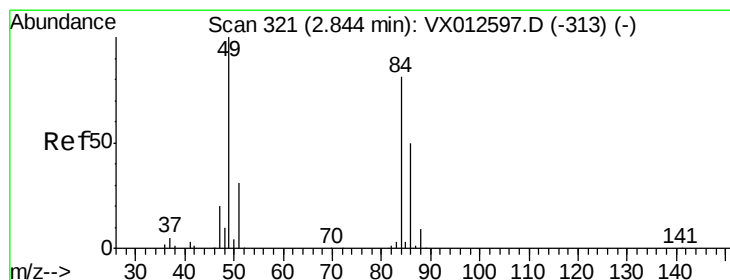
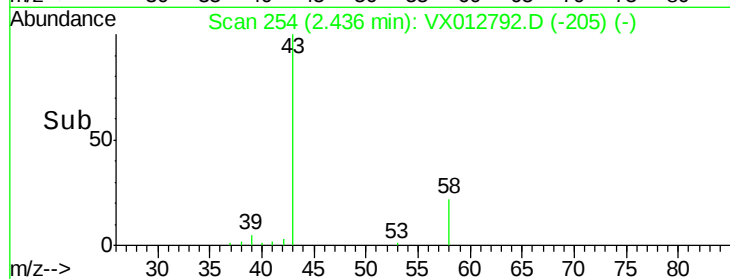
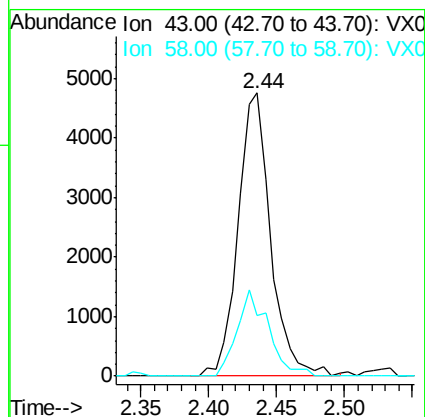
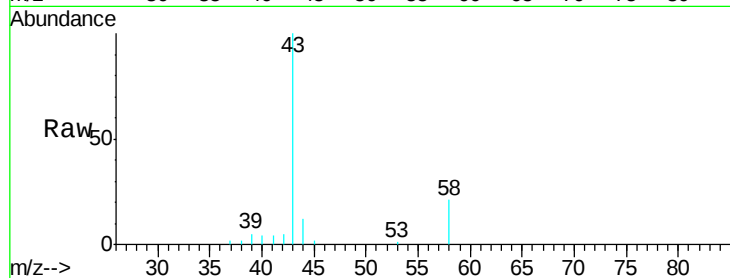
SA-MW127I-20190930

Tgt Ion: 43 Resp: 7943

Ion Ratio Lower Upper

43 100

58 21.3 23.3 34.9#



#20

Methylene Chloride

Concen: 0.269 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

Tgt Ion: 84 Resp: 611

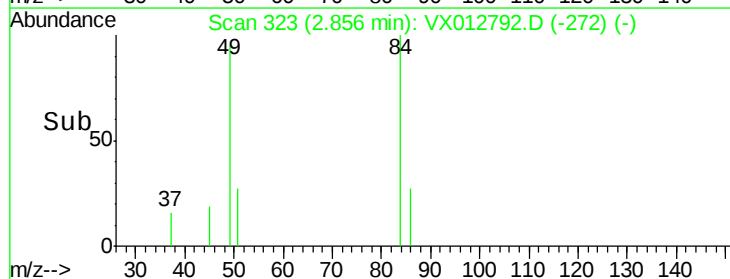
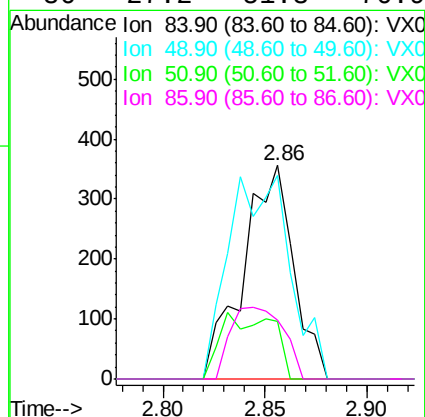
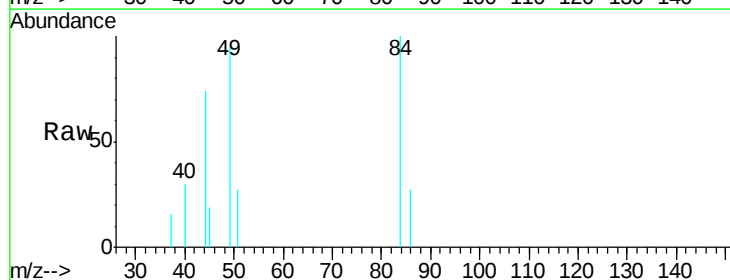
Ion Ratio Lower Upper

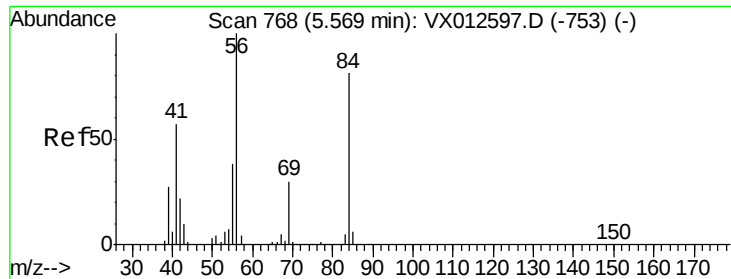
84 100

49 95.2 106.8 160.2#

51 27.0 32.3 48.5#

86 27.2 51.3 76.9#

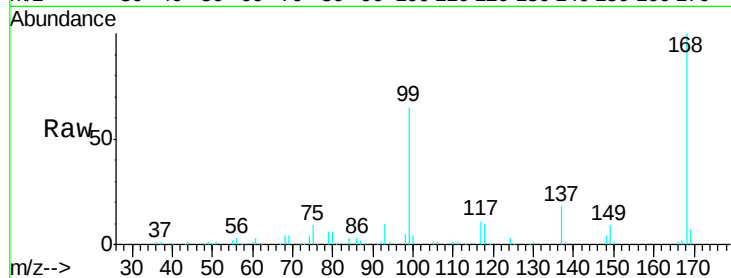




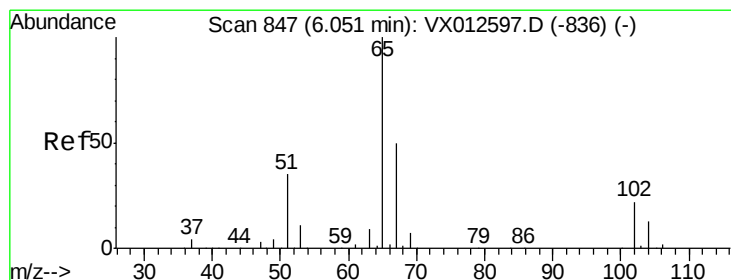
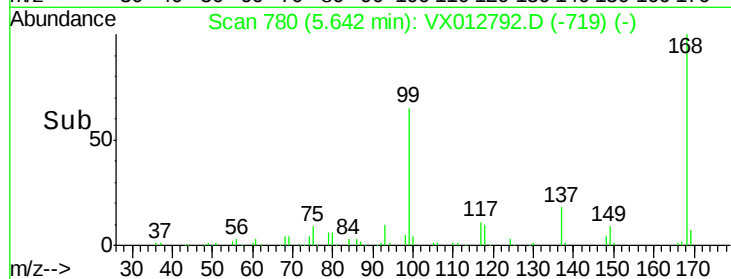
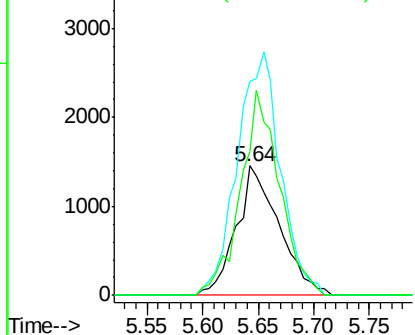
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012792.D
Acq: 03 Oct 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
SA-MW127I-20190930

Tgt Ion: 56 Resp: 3900
Ion Ratio Lower Upper
56 100
69 165.3 25.0 37.6#
84 111.4 66.4 99.6#

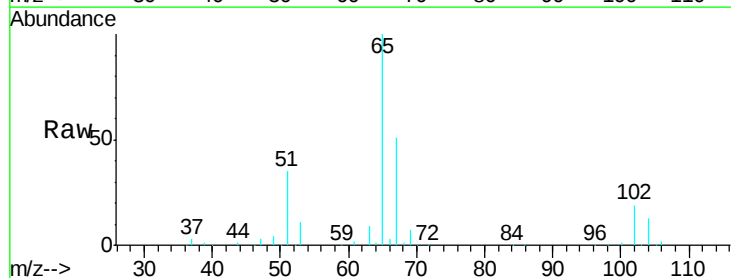


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

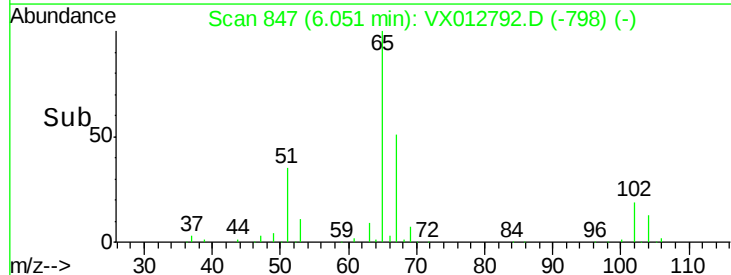
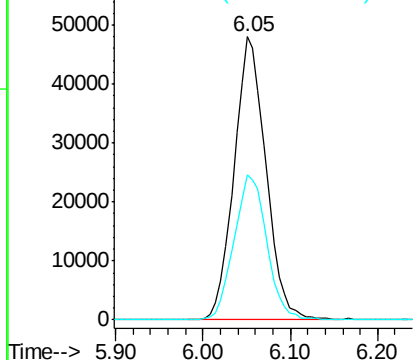


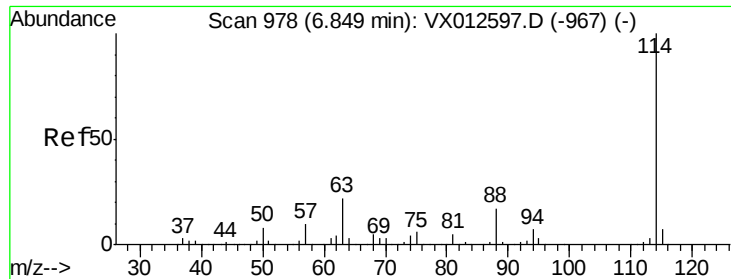
#33
1,2-Dichloroethane-d4
Concen: 47.924 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012792.D
Acq: 03 Oct 2019 18:33

Tgt Ion: 65 Resp: 121513
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.2



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

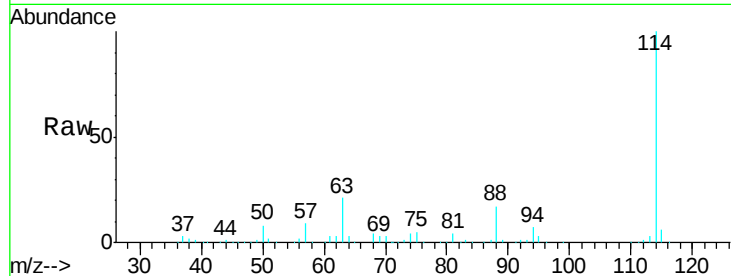




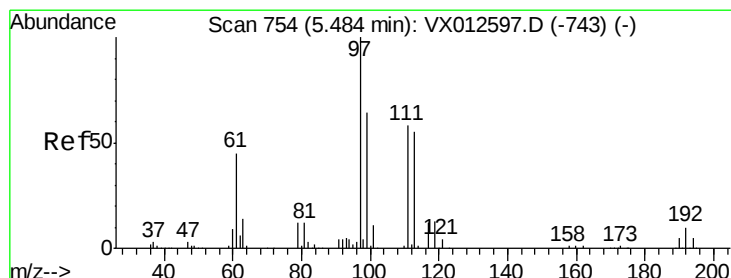
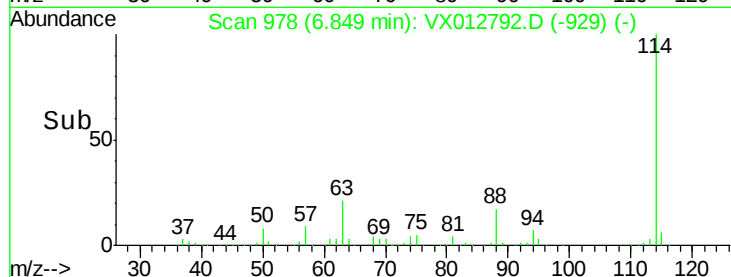
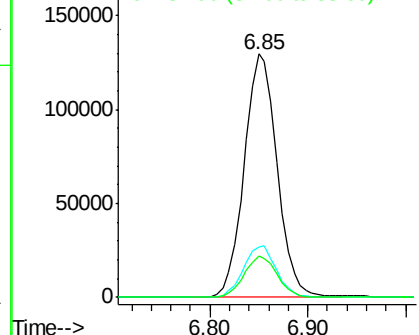
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012792.D
 Acq: 03 Oct 2019 18:33

Instrument :
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 SA-MW127I-20190930

Tgt Ion:114 Resp: 301545
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 43.2
 88 16.7 0.0 33.2

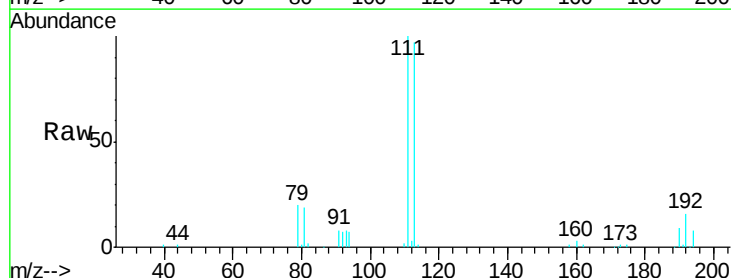


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

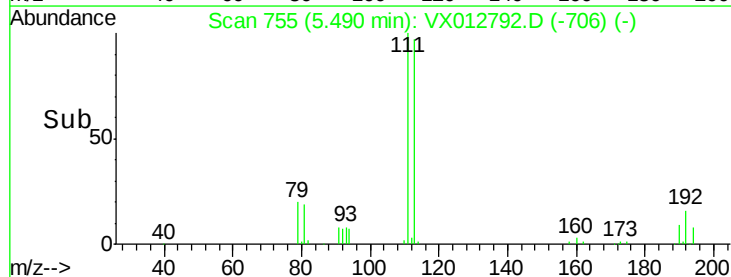
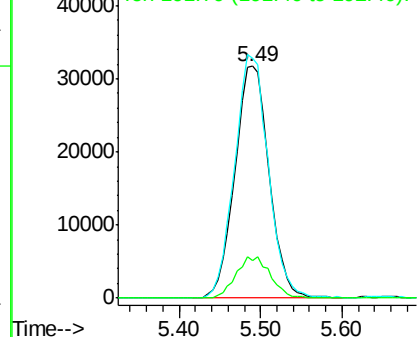


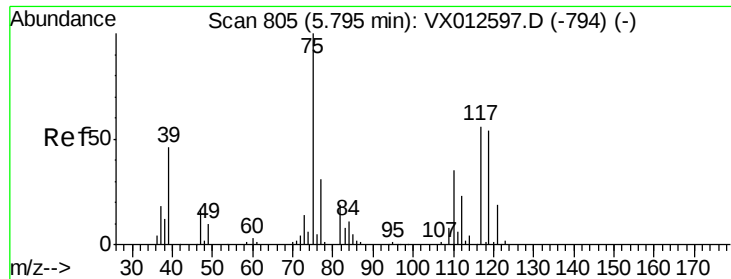
#35
 Dibromofluoromethane
 Concen: 51.323 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012792.D
 Acq: 03 Oct 2019 18:33

Tgt Ion:113 Resp: 92167
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 17.8 14.4 21.6



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

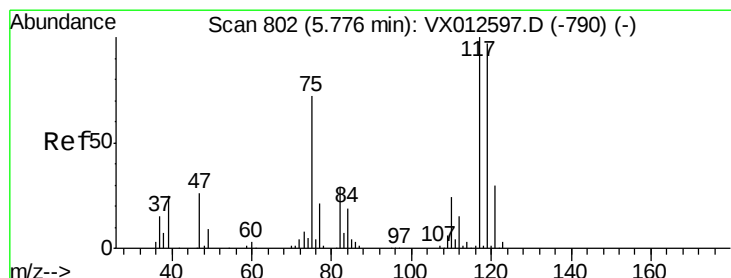
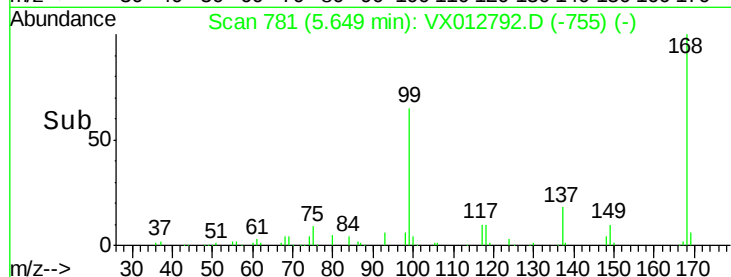
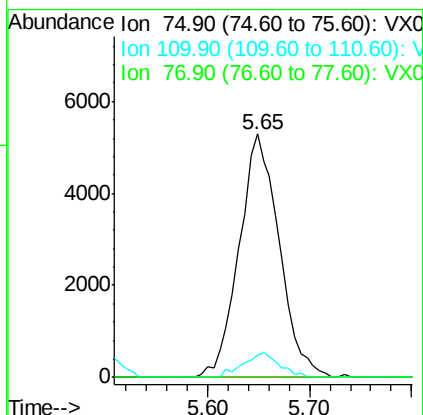
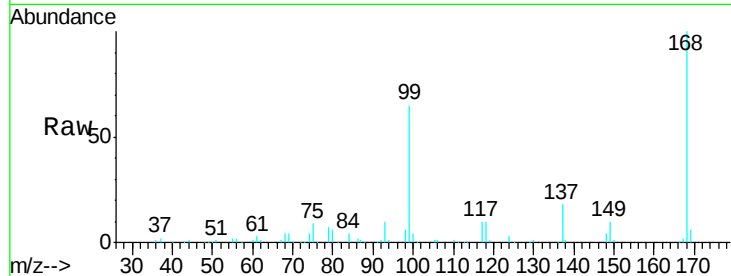




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012792.D
 Acq: 03 Oct 2019 18:33

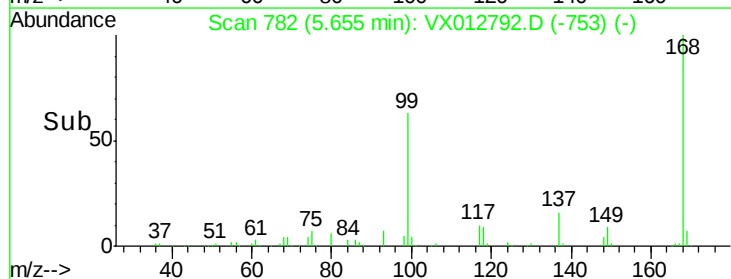
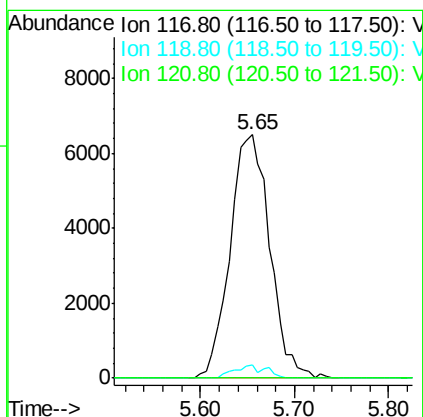
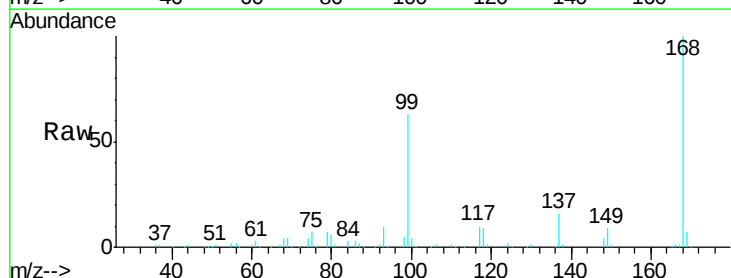
Instrument :
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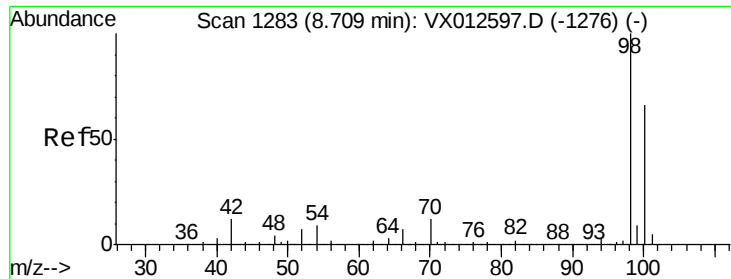
Tgt Ion: 75 Resp: 14447
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.464 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012792.D
 Acq: 03 Oct 2019 18:33

Tgt Ion: 117 Resp: 19086
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.7 113.5#
 121 0.0 24.2 36.4#

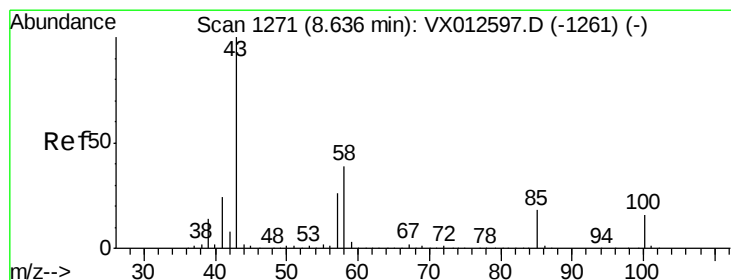
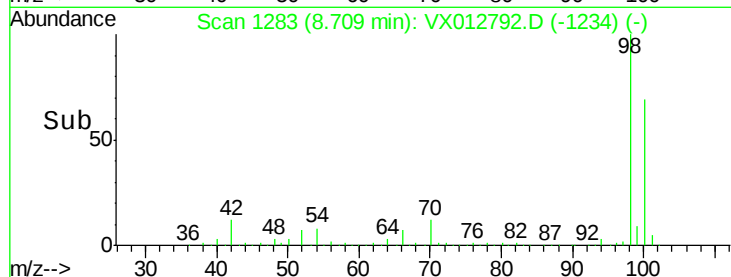
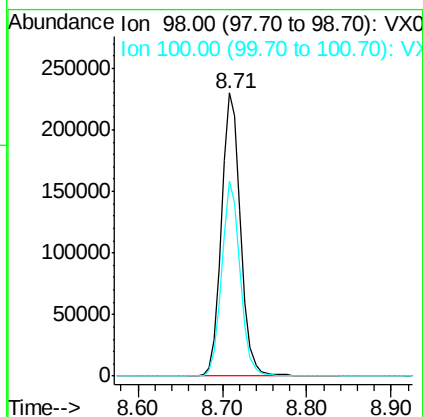
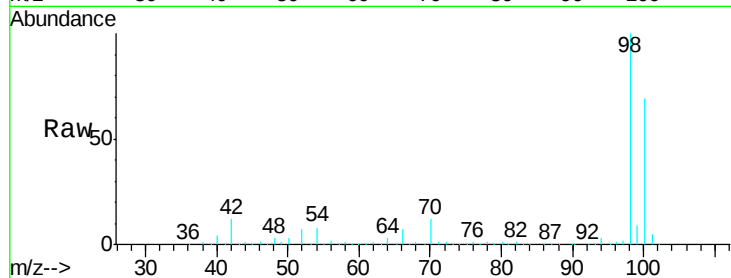




#50
Toluene-d8
Concen: 52.082 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012792.D
Acq: 03 Oct 2019 18:33

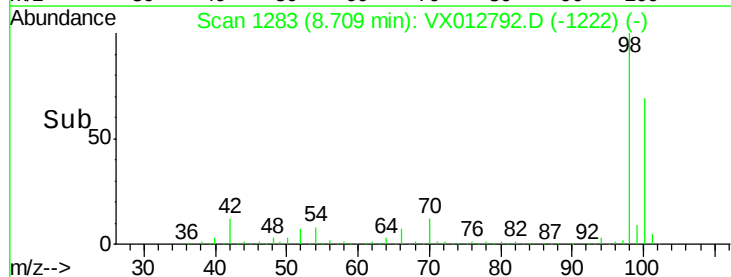
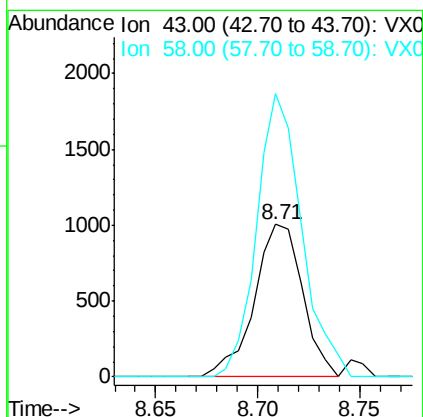
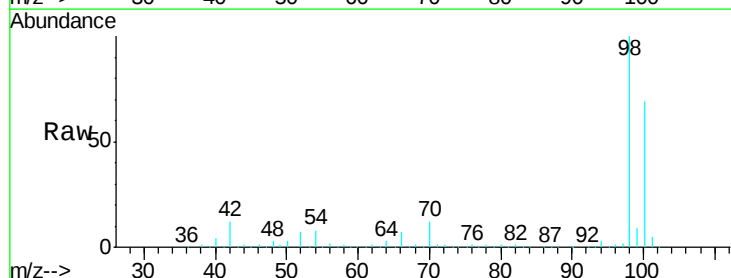
Instrument :
MSVOA_X
ClientSampleId :
SA-MW127I-20190930

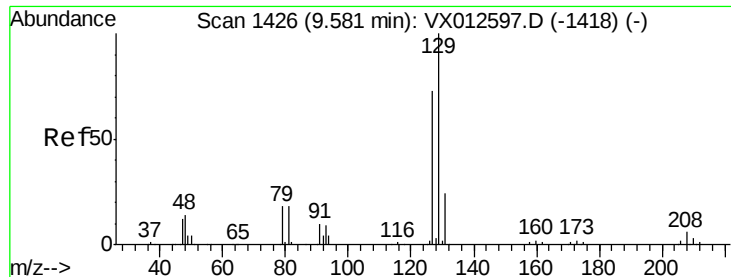
Tgt Ion: 98 Resp: 360195
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.473 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012792.D
Acq: 03 Oct 2019 18:33

Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
58 172.3 29.8 44.6#





#60

Dibromochloromethane

Concen: 0.809 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

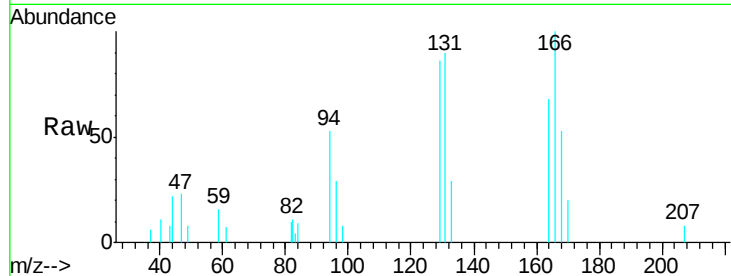
SA-MW127I-20190930

Tgt Ion:129 Resp: 1750

Ion Ratio Lower Upper

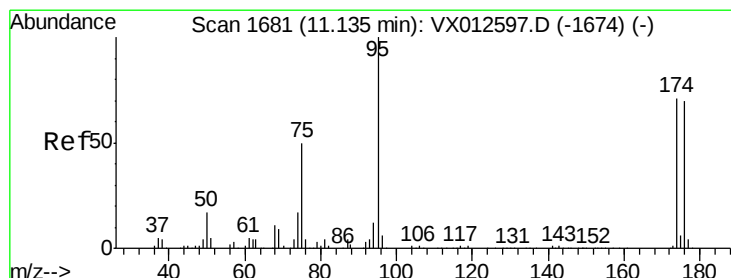
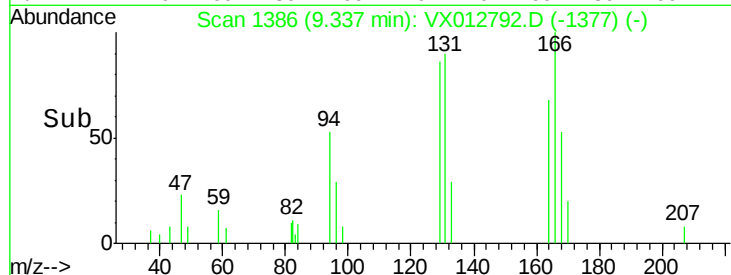
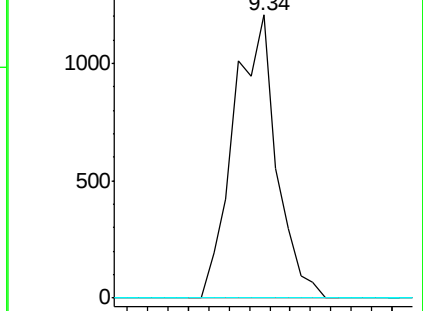
129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.608 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

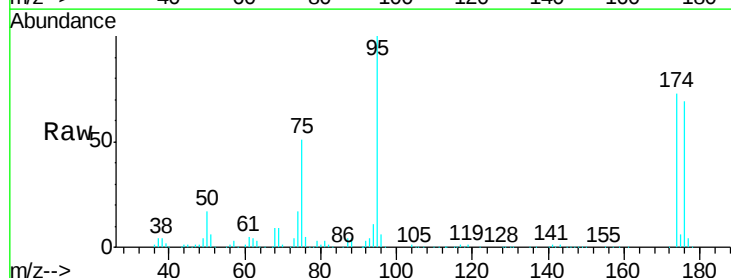
Tgt Ion: 95 Resp: 121303

Ion Ratio Lower Upper

95 100

174 70.3 0.0 140.0

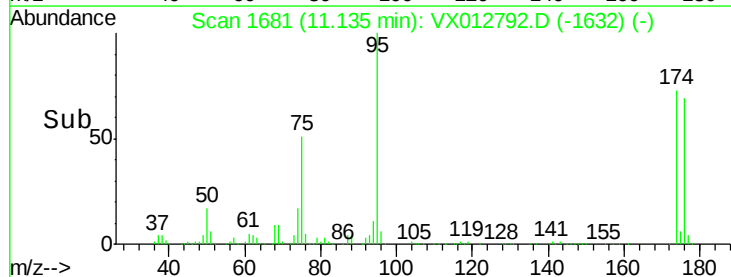
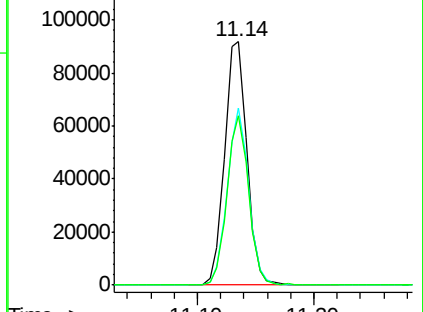
176 67.9 0.0 135.4

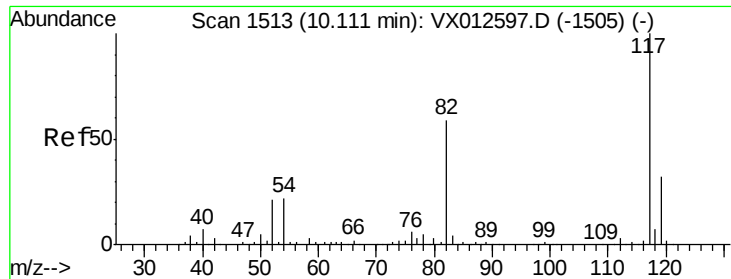


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

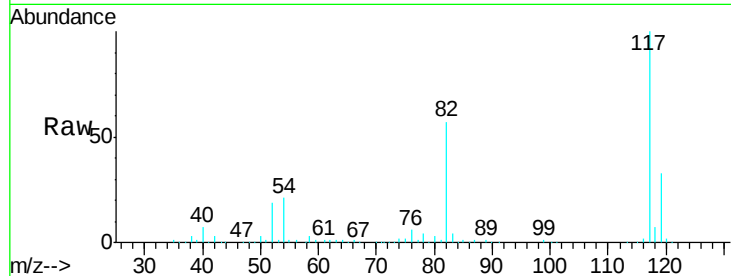




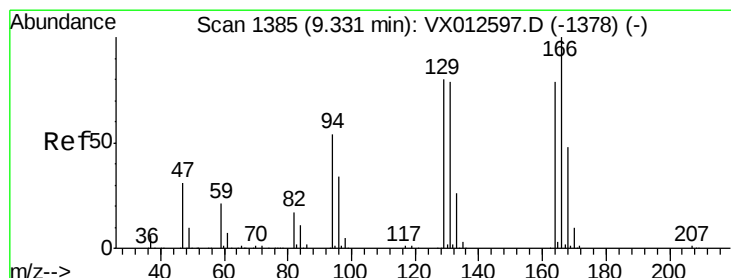
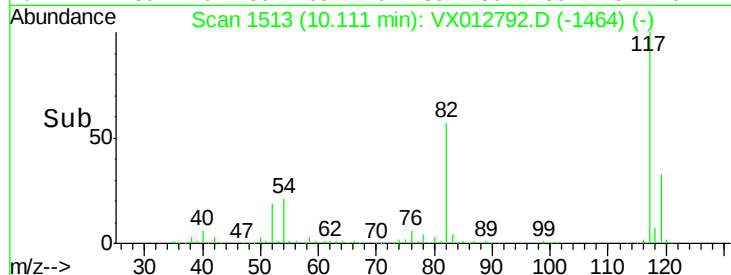
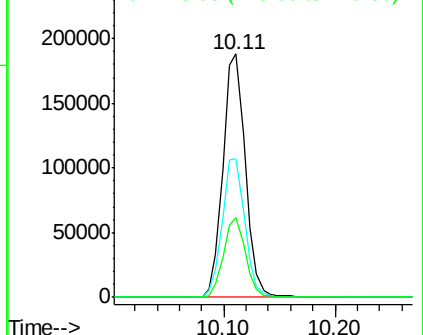
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012792.D
Acq: 03 Oct 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
SA-MW127I-20190930

Tgt Ion:117 Resp: 262827
Ion Ratio Lower Upper
117 100
82 57.0 45.9 68.9
119 32.7 25.3 37.9

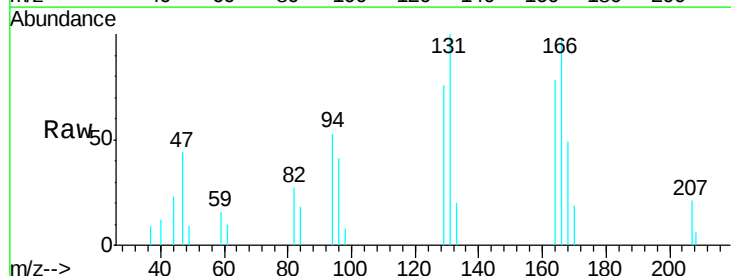


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

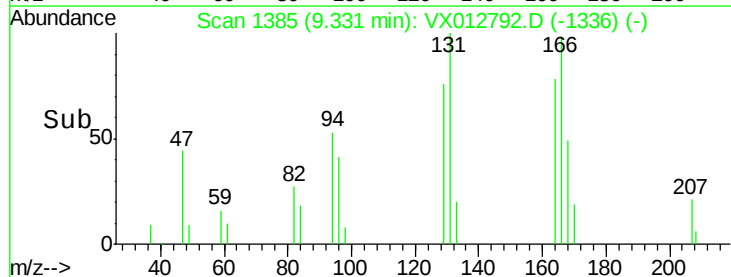
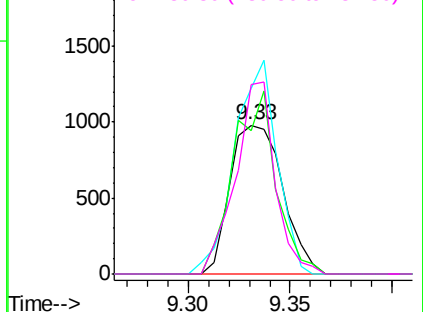


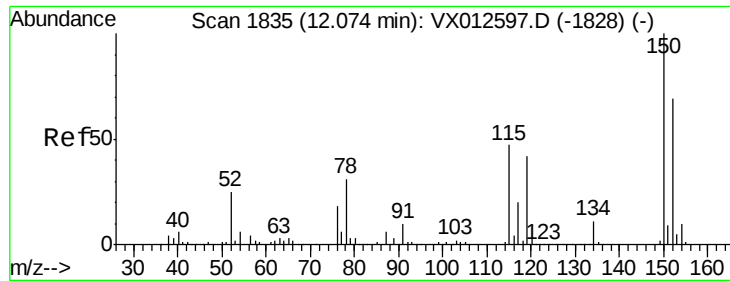
#64
Tetrachloroethene
Concen: 0.958 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012792.D
Acq: 03 Oct 2019 18:33

Tgt Ion:164 Resp: 1756
Ion Ratio Lower Upper
164 100
166 125.2 107.8 161.6
129 96.7 86.2 129.2
131 127.8 80.4 120.6#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127I-20190930

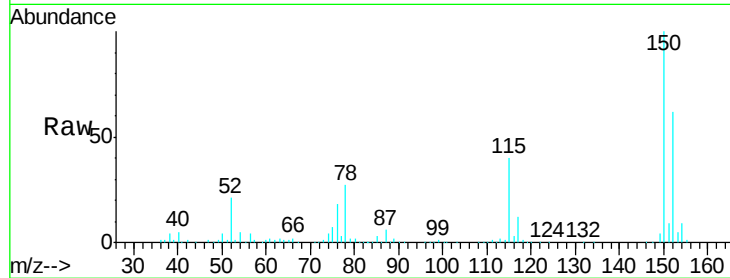
Tgt Ion:152 Resp: 99824

Ion Ratio Lower Upper

152 100

115 65.4 44.1 132.3

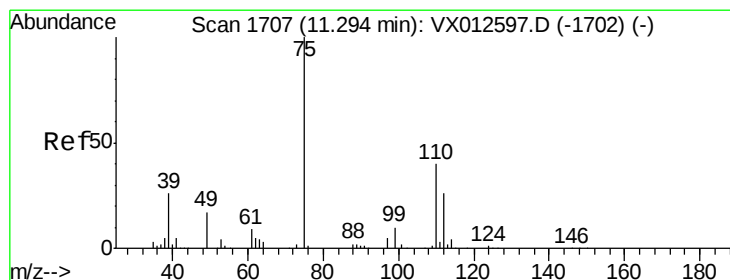
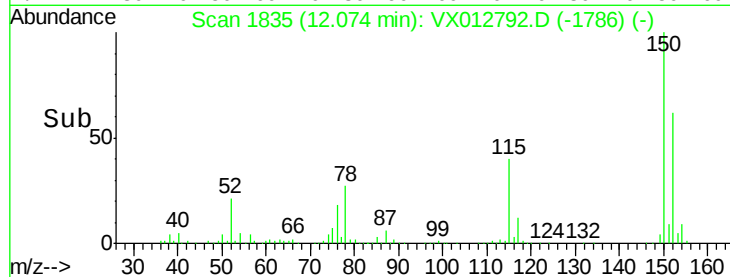
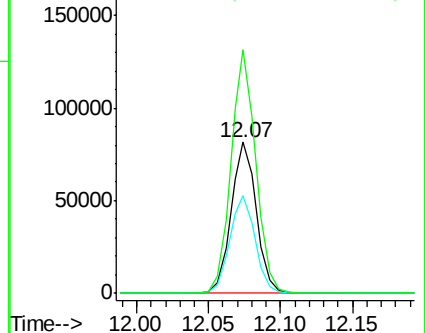
150 159.0 0.0 343.8



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: 22.935 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012792.D

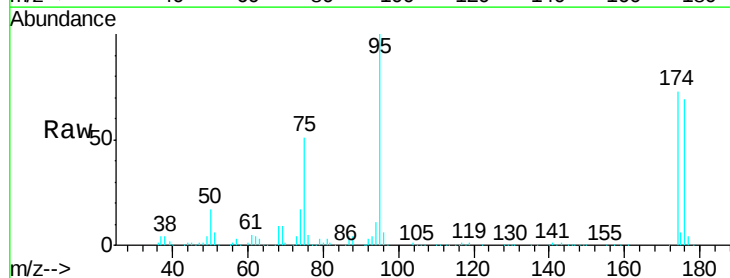
Acq: 03 Oct 2019 18:33

Tgt Ion: 75 Resp: 60562

Ion Ratio Lower Upper

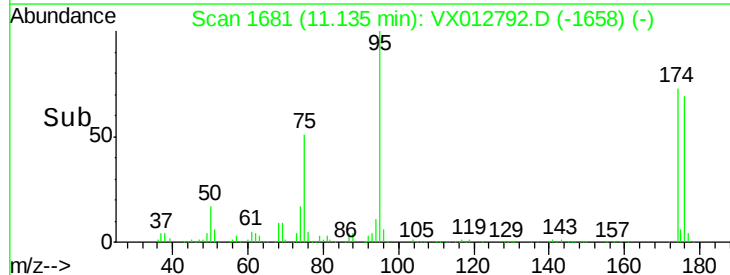
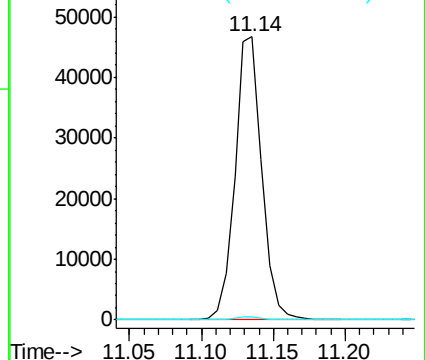
75 100

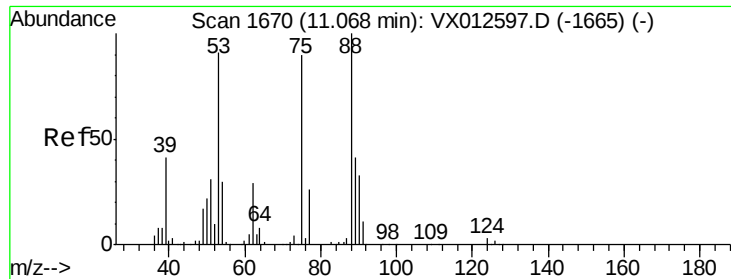
77 1.2 19.7 59.0#



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: 65.727 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

SA-MW127I-20190930

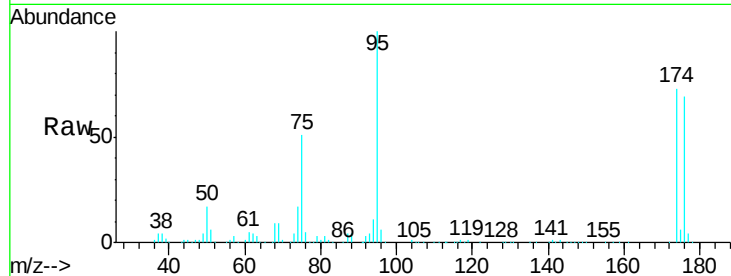
Tgt Ion: 75 Resp: 60562

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

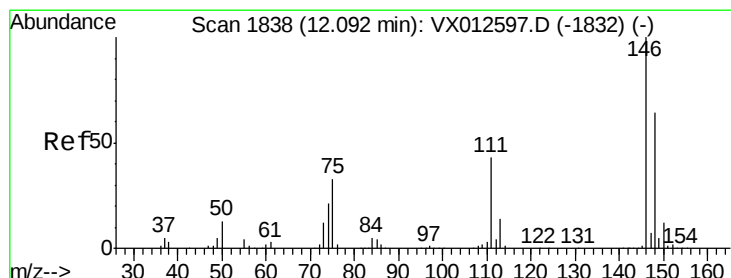
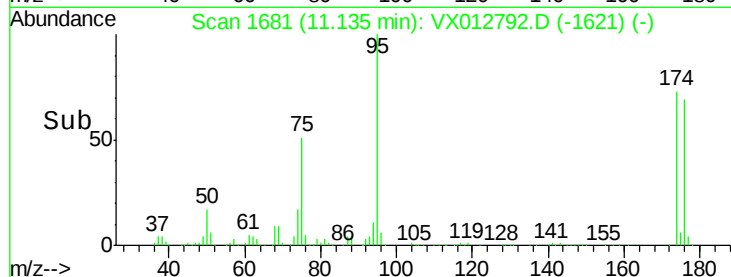
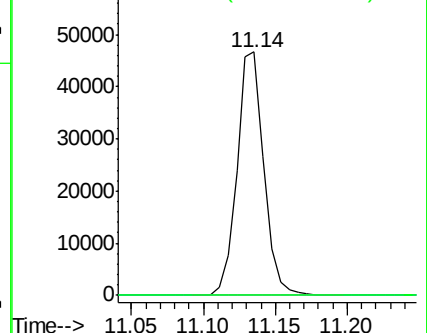
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#88

1,4-Dichlorobenzene

Concen: 0.266 ug/l

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX012792.D

Acq: 03 Oct 2019 18:33

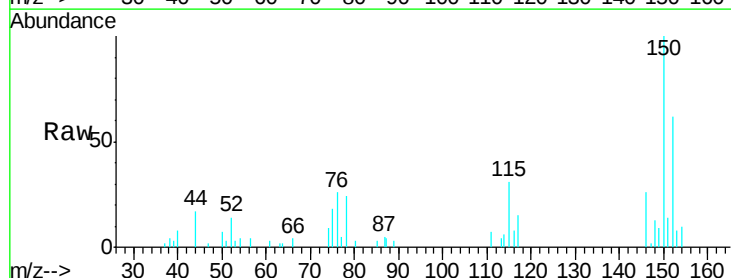
Tgt Ion: 146 Resp: 889

Ion Ratio Lower Upper

146 100

111 0.0 21.1 63.3#

148 0.0 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

