

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016647.D
 Acq On : 08 Jun 2020 19:05
 Operator : JC/SP
 Sample : L2949-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jun 09 05:48:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	227525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	364651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	368845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	190306	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	137389	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.24%		
35) Dibromofluoromethane	5.47	113	111566	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.38%		
50) Toluene-d8	8.70	98	451300	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
62) 4-Bromofluorobenzene	11.12	95	180819	53.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.10%		

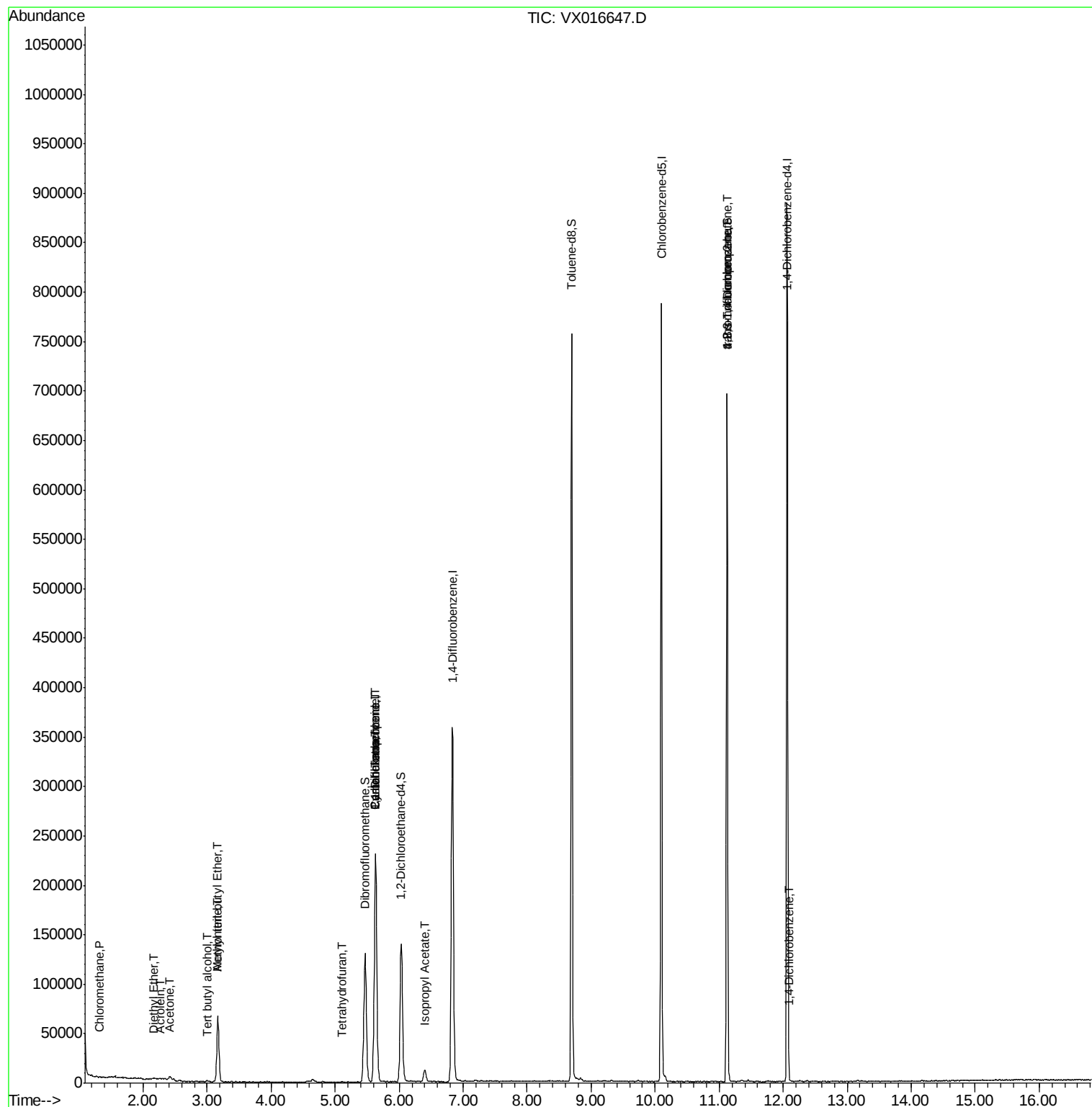
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	595	0.22	ug/l	90
8) Diethyl Ether	2.18	74	465	0.30	ug/l	65
11) Tert butyl alcohol	3.00	59	1114	1.54	ug/l #	72
13) Acrolein	2.27	56	192	0.62	ug/l #	1
15) Acrylonitrile	3.17	53	958	0.65	ug/l #	18
16) Acetone	2.41	43	3000	2.42	ug/l #	88
19) Methyl tert-butyl Ether	3.17	73	77653	9.88	ug/l	98
29) Tetrahydrofuran	5.10	42	427	0.32	ug/l #	32
31) Cyclohexane	5.63	56	3851	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	16119	4.67	ug/l #	51
38) Carbon Tetrachloride	5.64	117	21638	5.96	ug/l #	17
43) Isopropyl Acetate	6.41	43	4208	0.65	ug/l #	8
76) 1,2,3-Trichloropropane	11.12	75	88324	21.11	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	88324	51.94	ug/l #	14
88) 1,4-Dichlorobenzene	12.09	146	2282	0.37	ug/l #	58

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
Data File : VX016647.D
Acq On : 08 Jun 2020 19:05
Operator : JC/SP
Sample : L2949-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Jun 09 05:48:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampled :

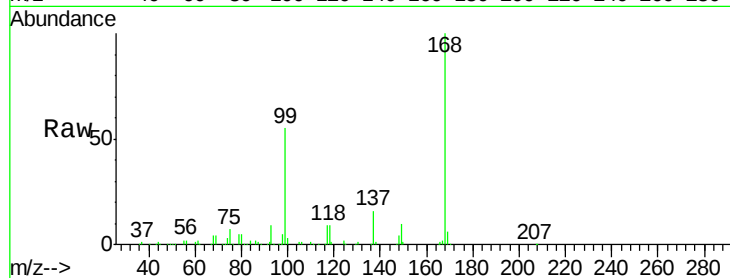
MW-3

Tgt Ion:168 Resp: 227525

Ion Ratio Lower Upper

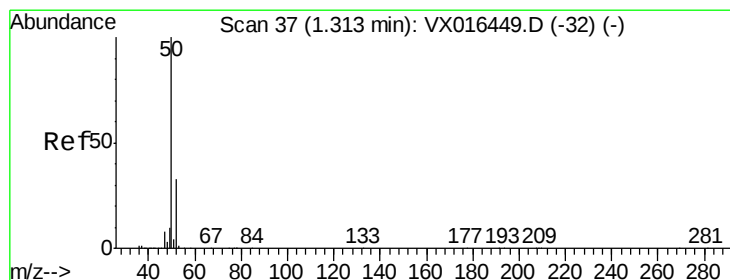
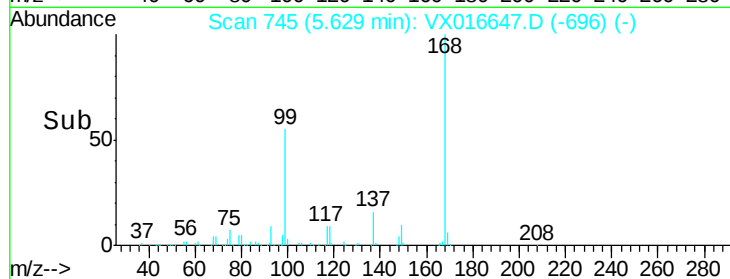
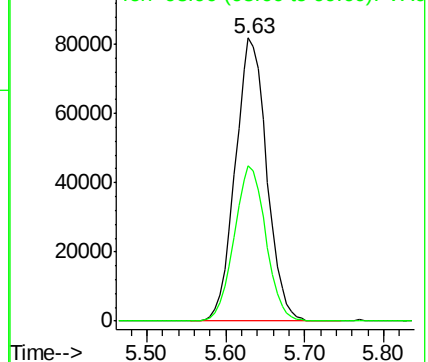
168 100

99 54.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016647.D

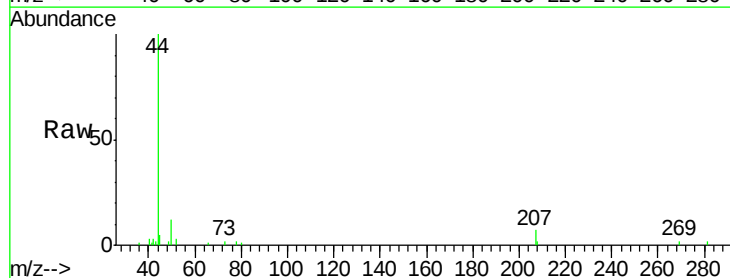
Acq: 08 Jun 2020 19:05

Tgt Ion: 50 Resp: 595

Ion Ratio Lower Upper

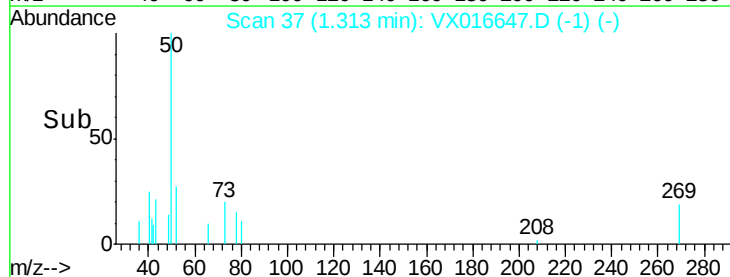
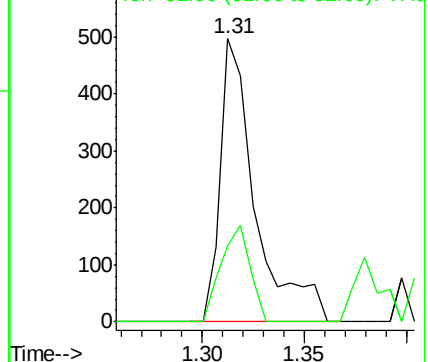
50 100

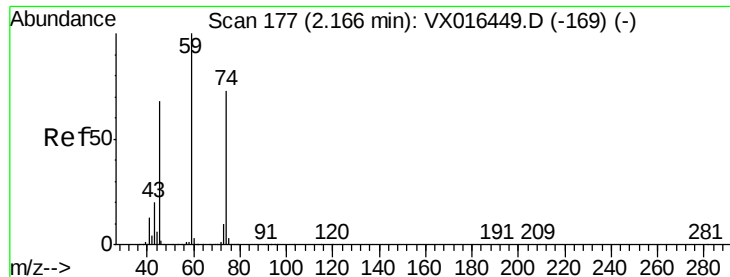
52 27.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.30 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

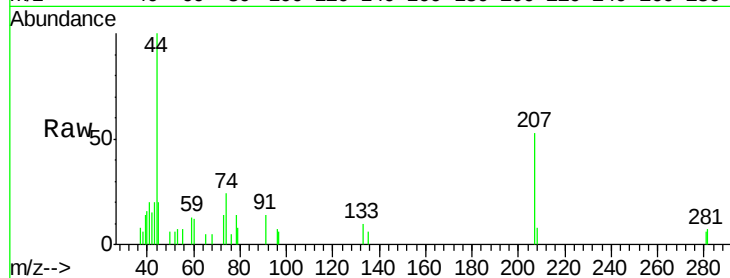
MW-3

Tgt Ion: 74 Resp: 465

Ion Ratio Lower Upper

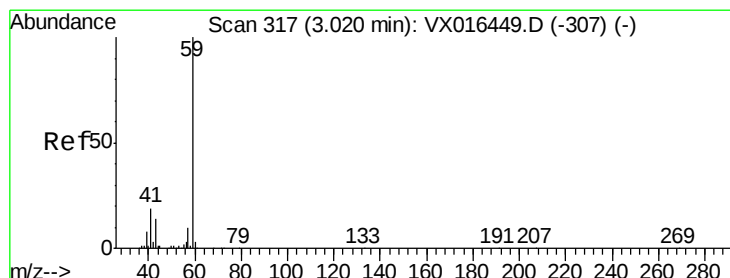
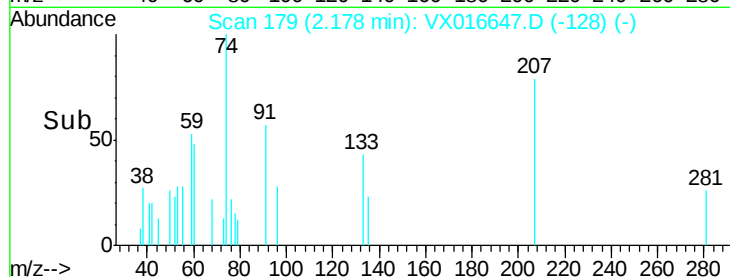
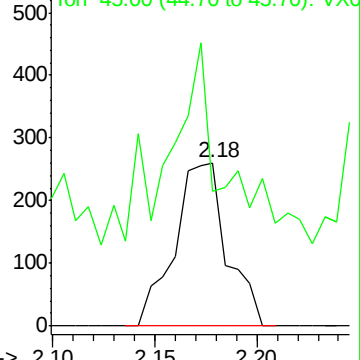
74 100

45 60.9 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.54 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016647.D

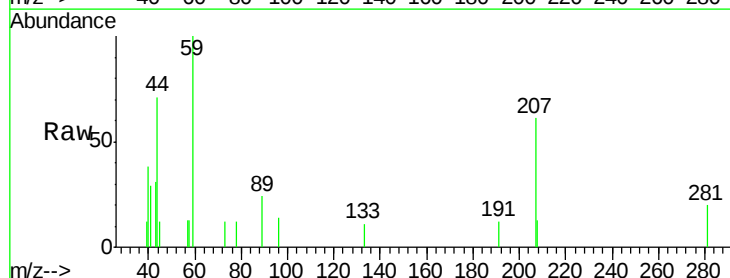
Acq: 08 Jun 2020 19:05

Tgt Ion: 59 Resp: 1114

Ion Ratio Lower Upper

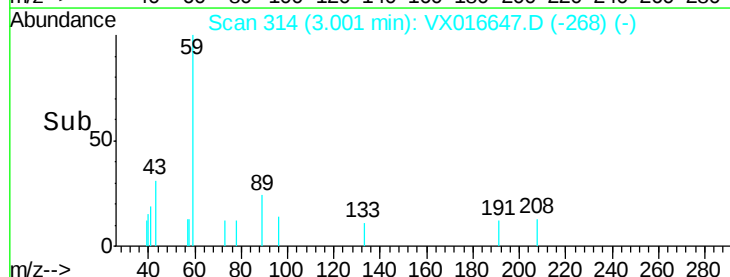
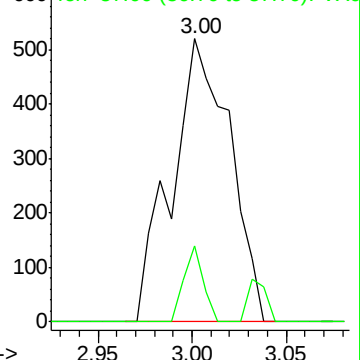
59 100

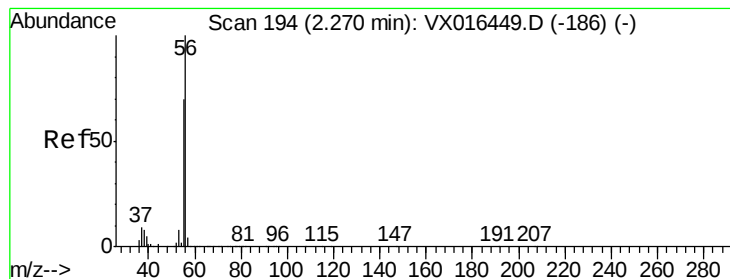
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.62 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

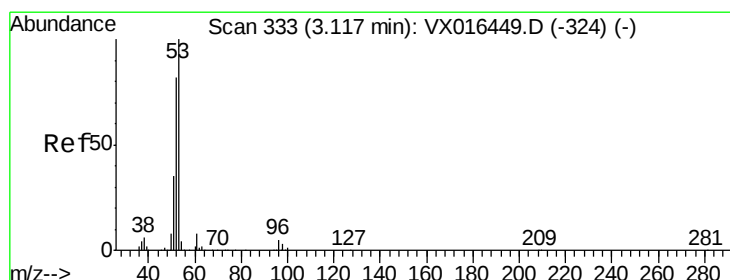
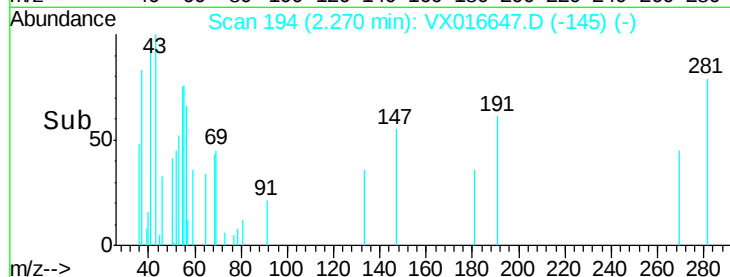
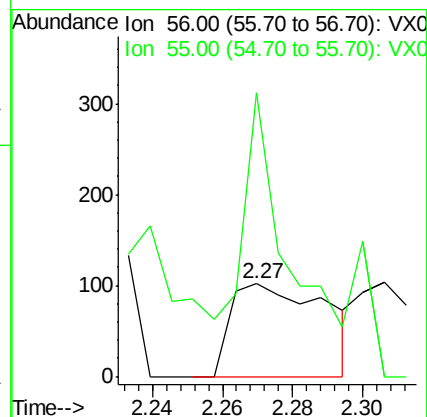
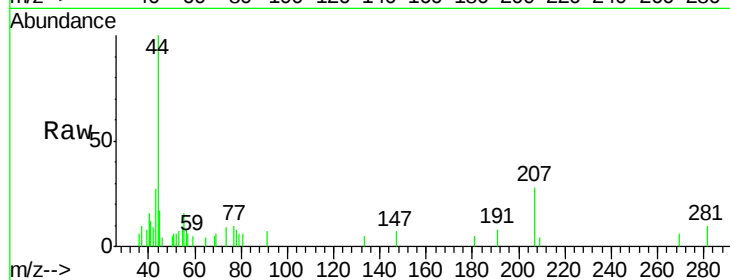
MW-3

Tgt Ion: 56 Resp: 192

Ion Ratio Lower Upper

56 100

55 179.7 58.3 87.5#



#15

Acrylonitrile

Concen: 0.65 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.05 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

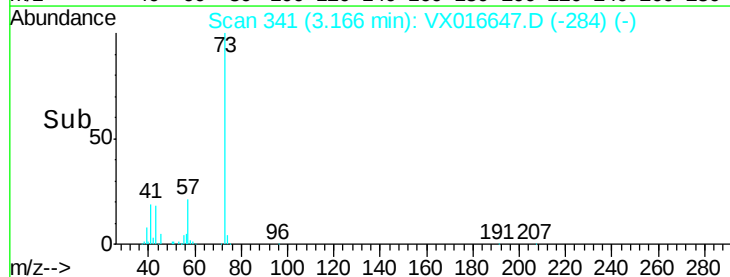
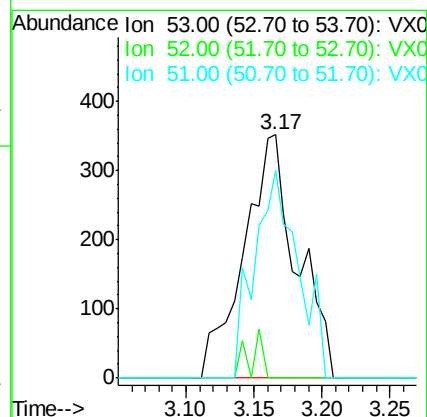
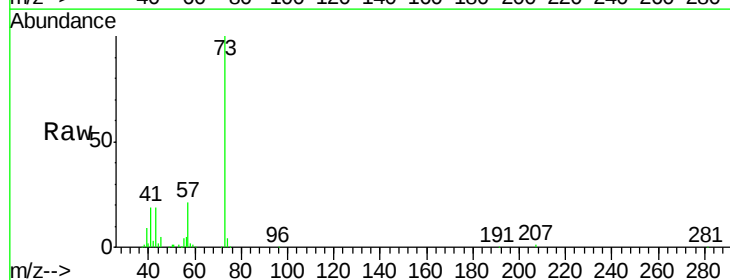
Tgt Ion: 53 Resp: 958

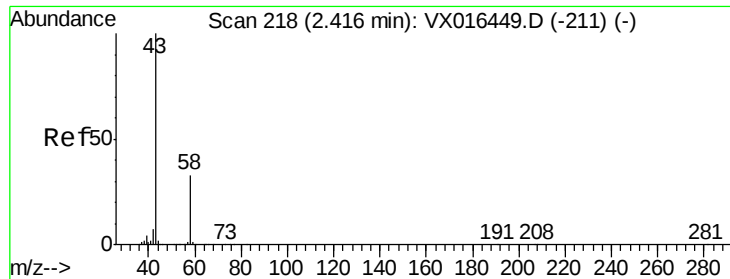
Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 70.5 28.6 43.0#





#16

Acetone

Concen: 2.42 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampled :

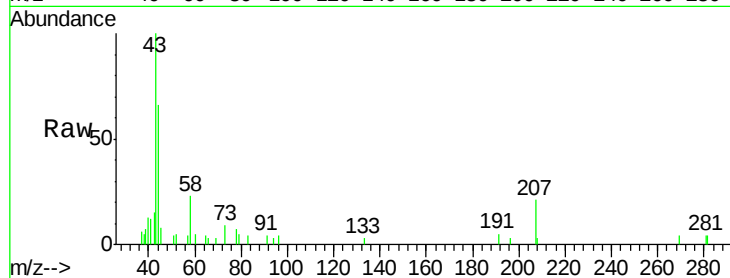
MW-3

Tgt Ion: 43 Resp: 3000

Ion Ratio Lower Upper

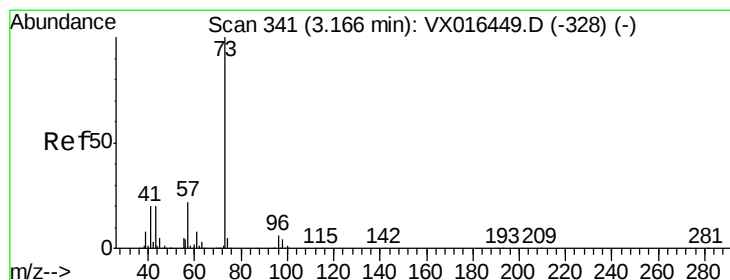
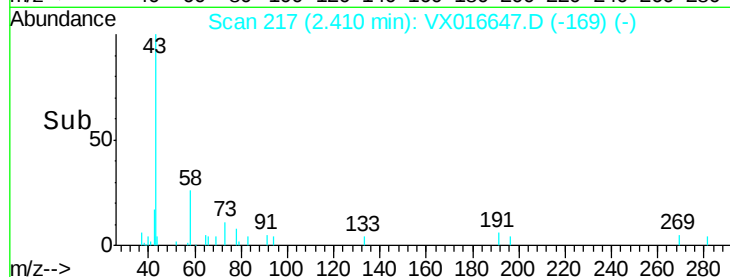
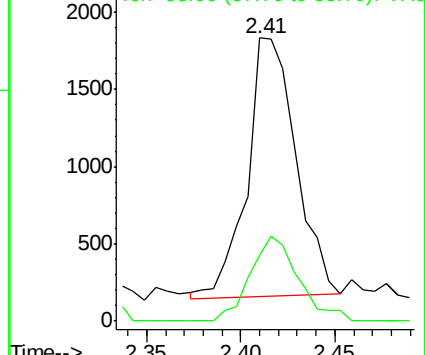
43 100

58 25.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 9.88 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX016647.D

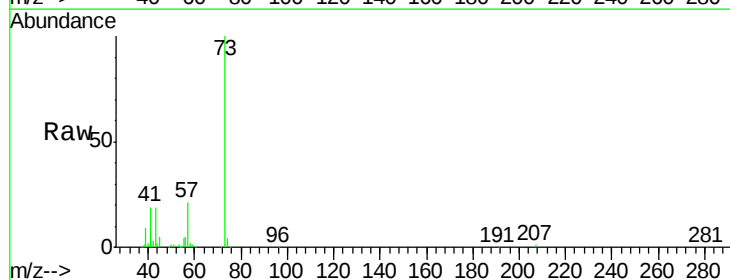
Acq: 08 Jun 2020 19:05

Tgt Ion: 73 Resp: 77653

Ion Ratio Lower Upper

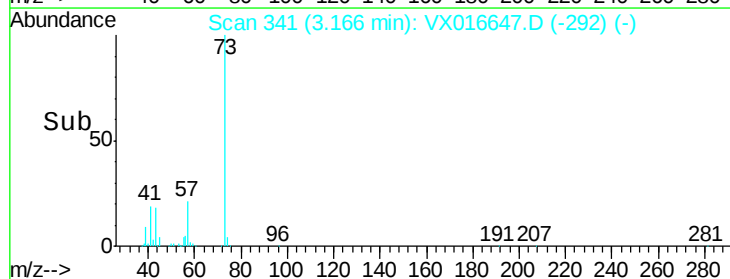
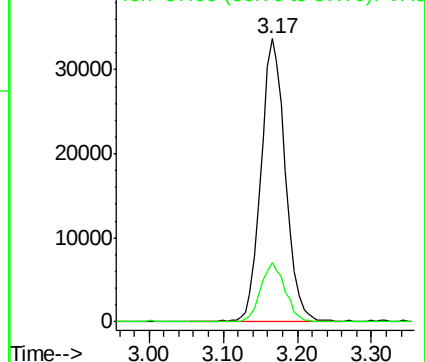
73 100

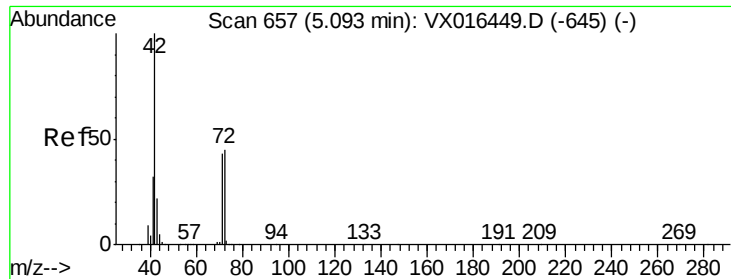
57 21.1 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

MW-3

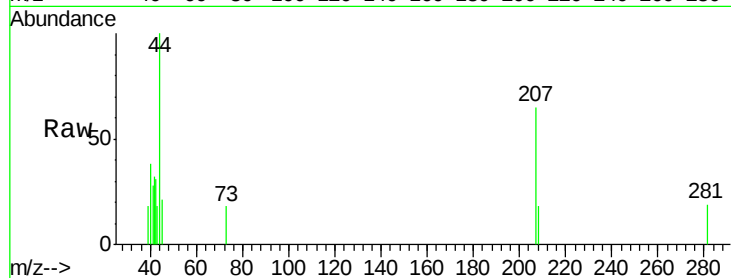
Tgt Ion: 42 Resp: 427

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

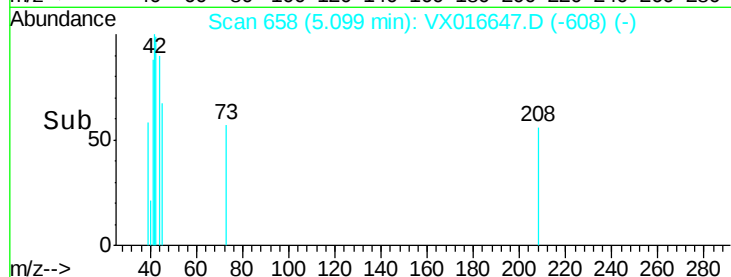
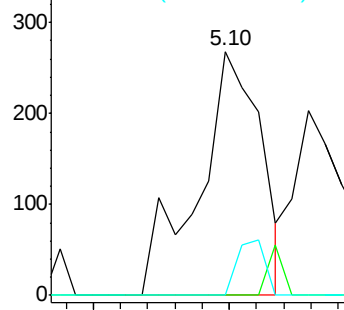
71 0.0 34.1 51.1#



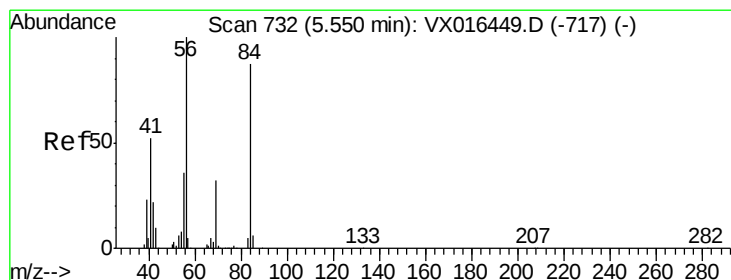
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->



#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

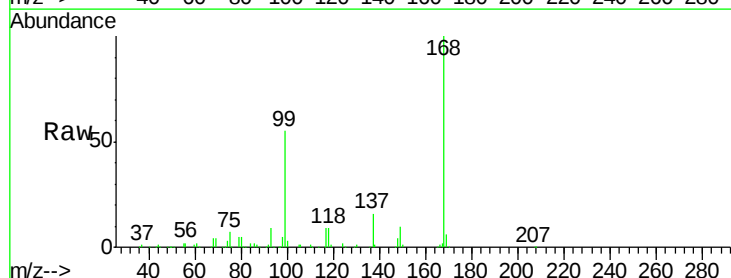
Tgt Ion: 56 Resp: 3851

Ion Ratio Lower Upper

56 100

69 196.5 25.7 38.5#

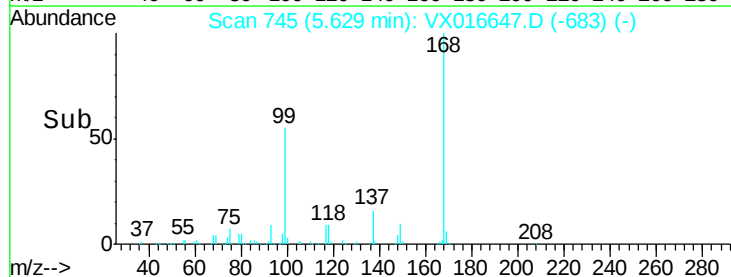
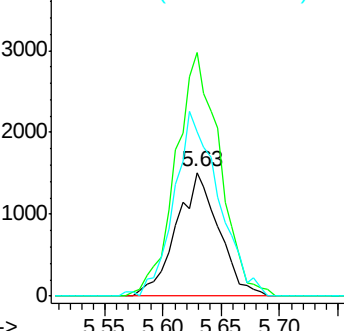
84 132.5 70.0 105.0#

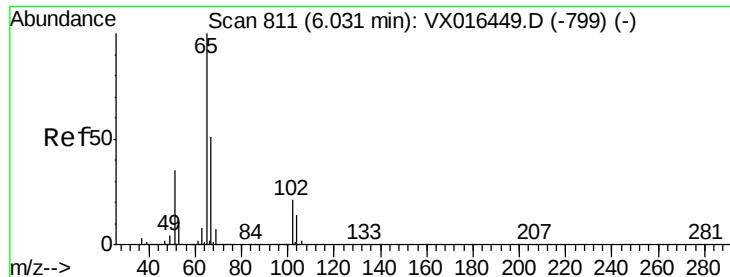


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

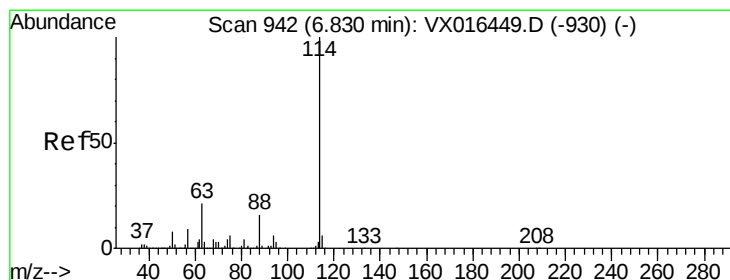
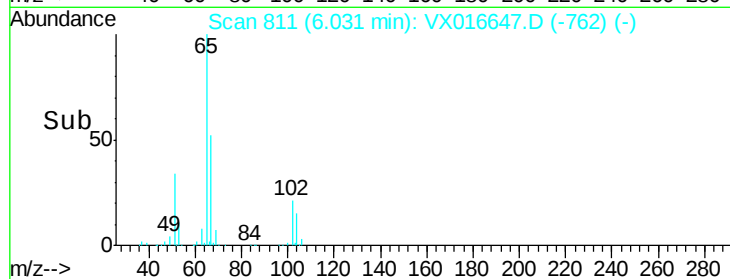
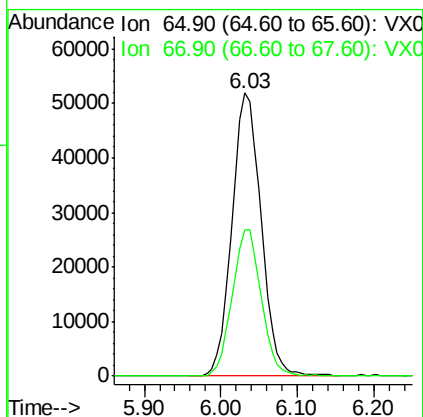
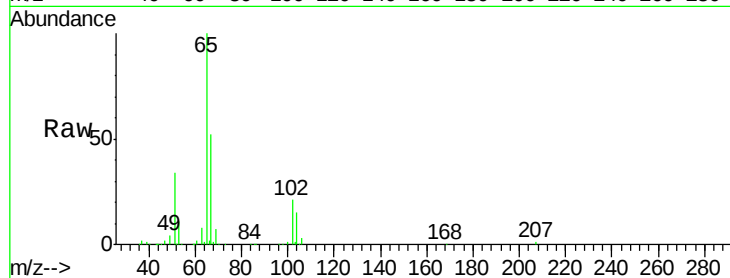




#33
 1,2-Dichloroethane-d4
 Concen: 48.62 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016647.D
 Acq: 08 Jun 2020 19:05

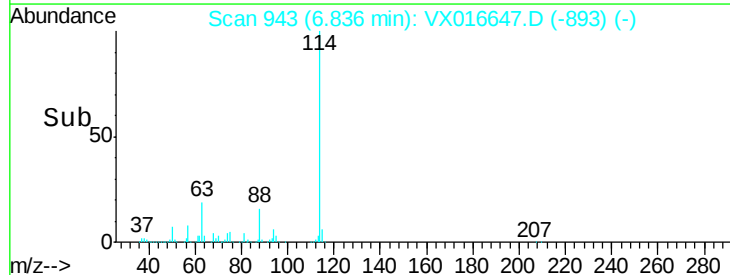
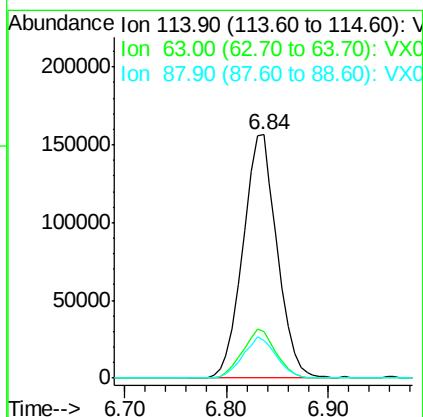
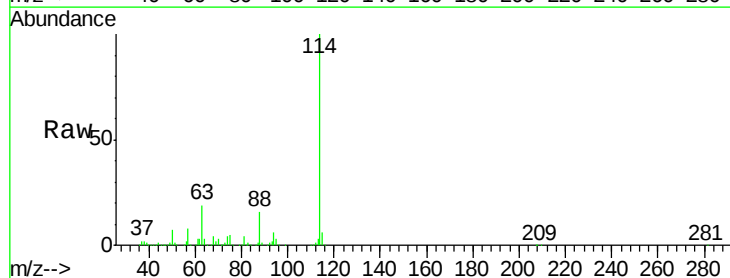
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

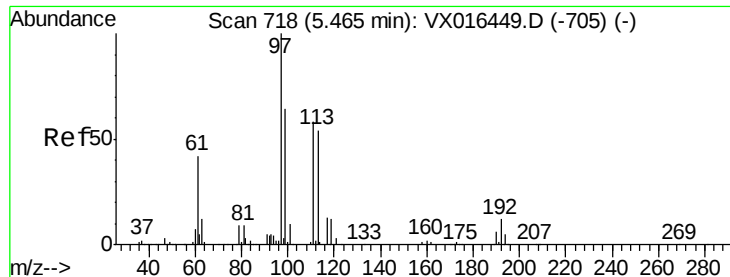
Tgt Ion: 65 Resp: 137389
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016647.D
 Acq: 08 Jun 2020 19:05

Tgt Ion: 114 Resp: 364651
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.6
 88 15.6 0.0 32.8

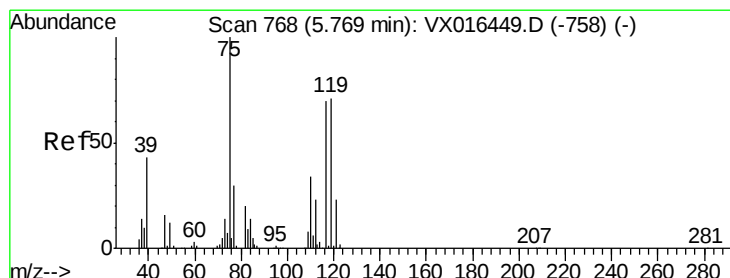
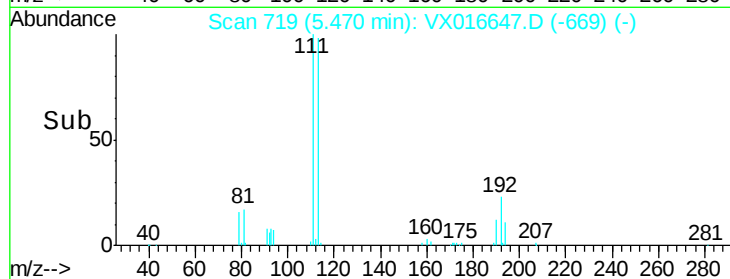
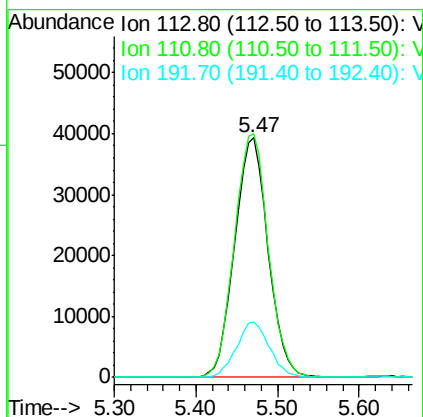
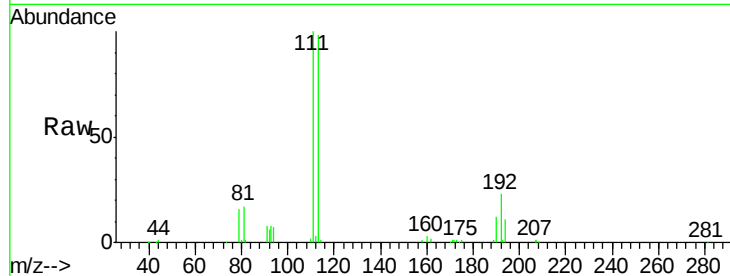




#35
 Dibromofluoromethane
 Concen: 49.69 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016647.D
 Acq: 08 Jun 2020 19:05

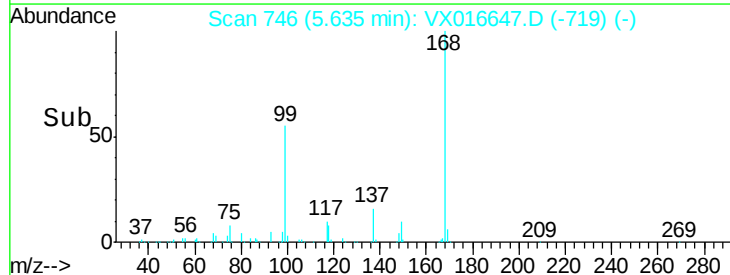
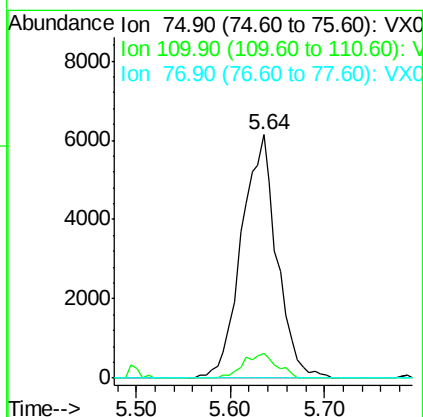
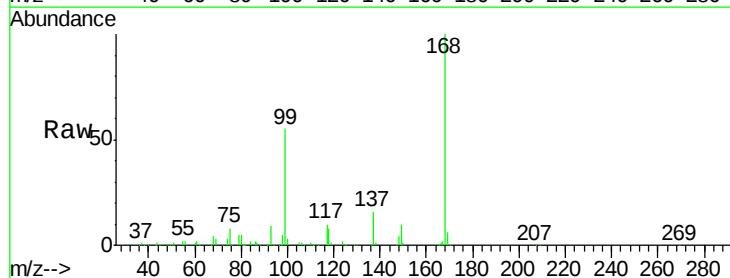
Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

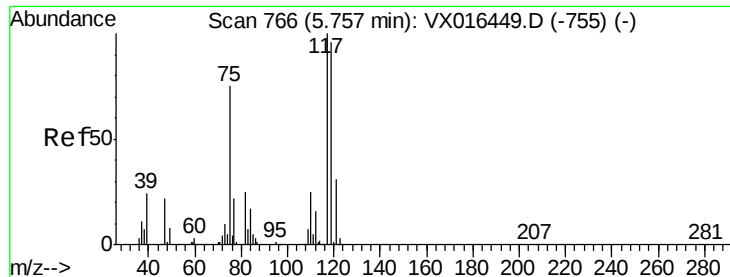
Tgt Ion:113 Resp: 111566
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.0 124.6
 192 22.8 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016647.D
 Acq: 08 Jun 2020 19:05

Tgt Ion: 75 Resp: 16119
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.4 52.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.96 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampled :

MW-3

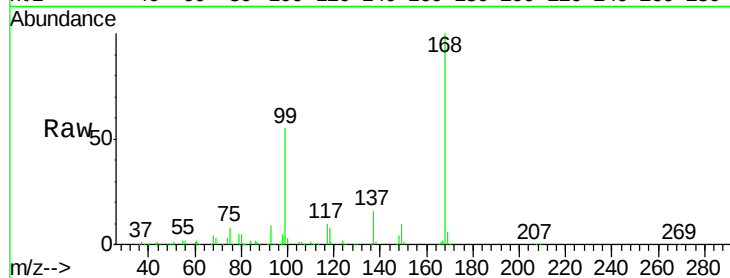
Tgt Ion:117 Resp: 21638

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

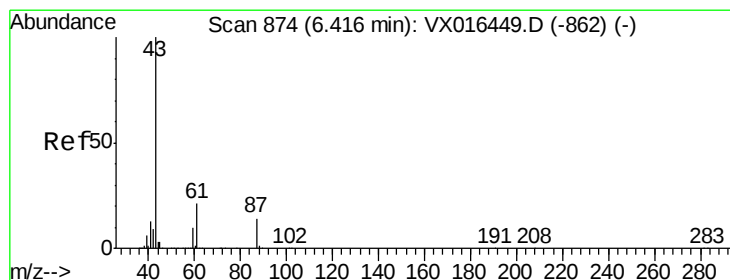
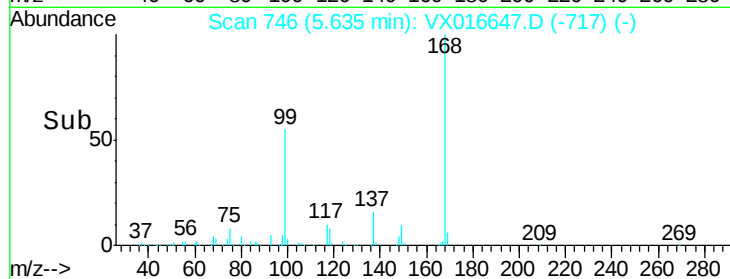
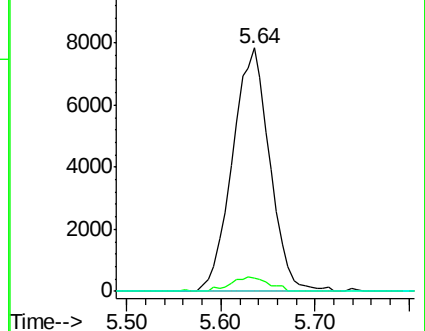
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 0.65 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

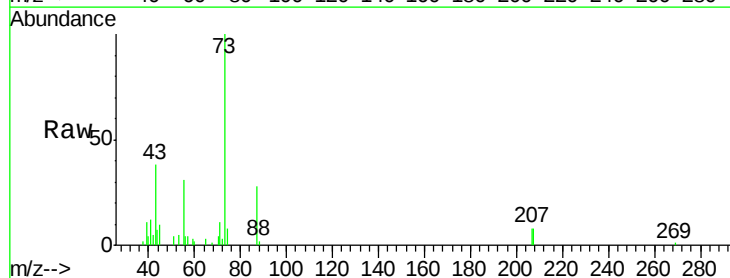
Tgt Ion: 43 Resp: 4208

Ion Ratio Lower Upper

43 100

61 0.0 16.8 25.2#

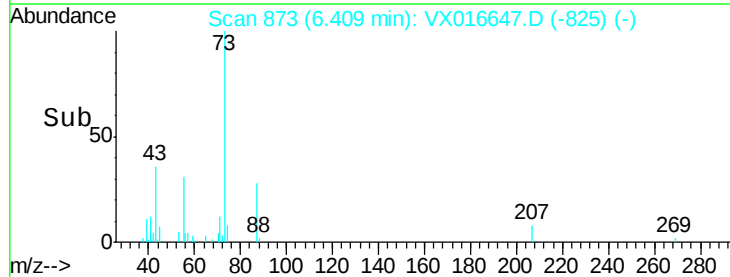
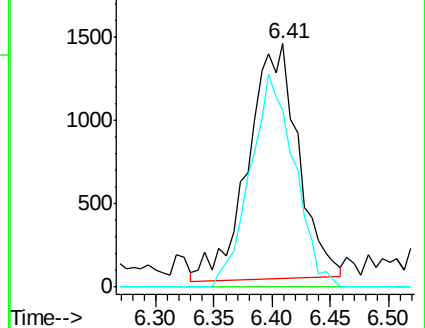
87 80.5 11.2 16.8#

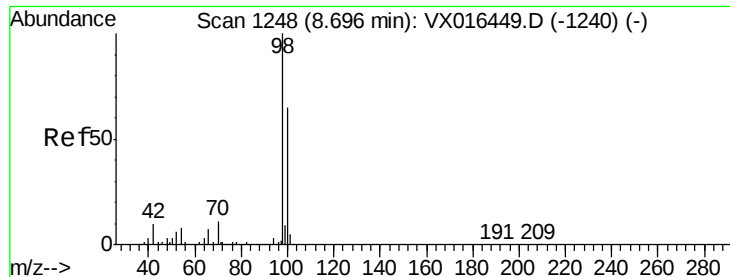


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.64 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

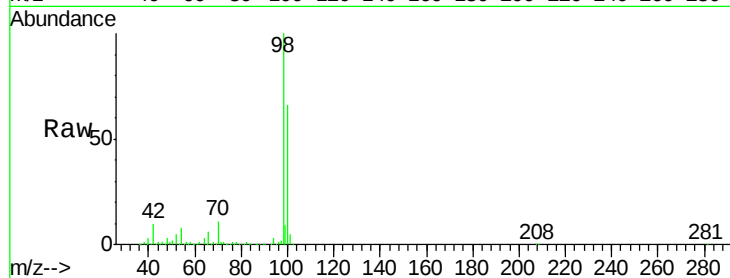
MW-3

Tgt Ion: 98 Resp: 451300

Ion Ratio Lower Upper

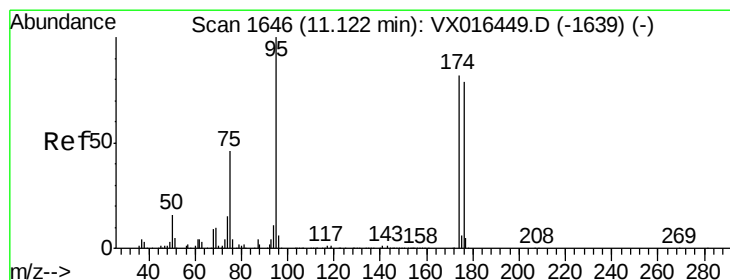
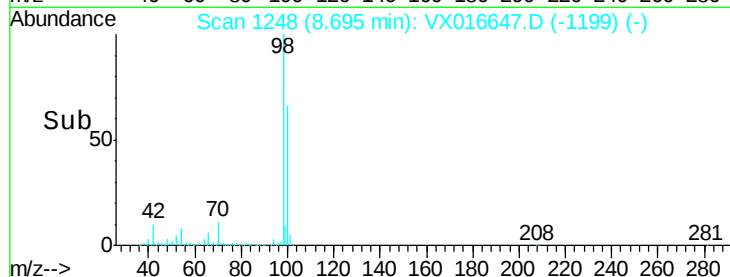
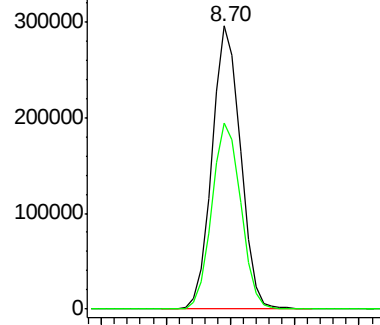
98 100

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): VX



#62

4-Bromofluorobenzene

Concen: 53.55 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

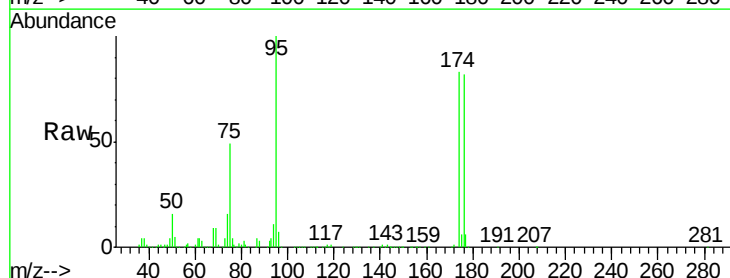
Tgt Ion: 95 Resp: 180819

Ion Ratio Lower Upper

95 100

174 85.1 0.0 163.0

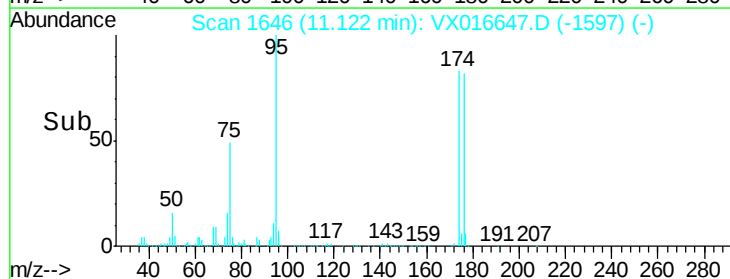
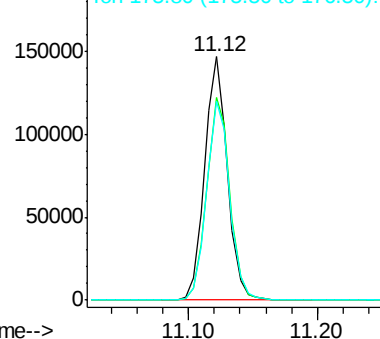
176 83.2 0.0 156.8

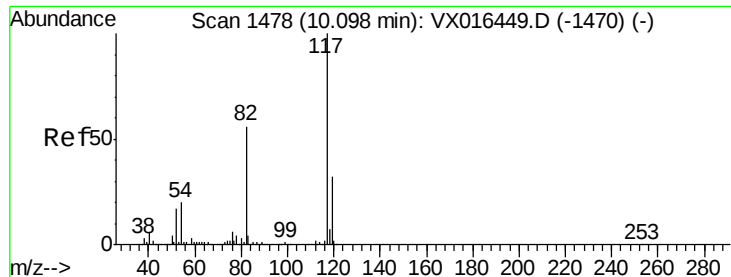


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

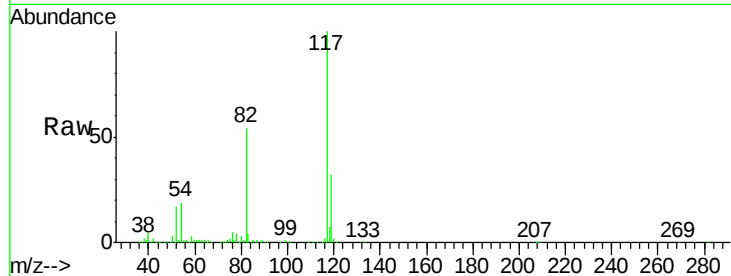




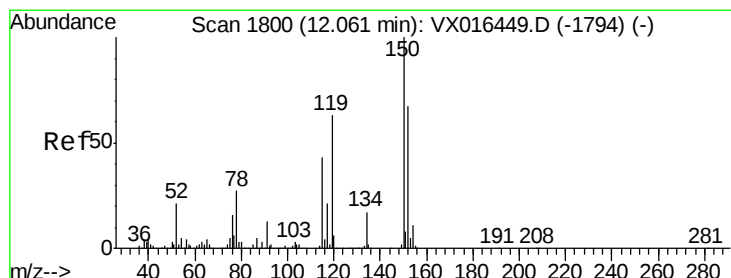
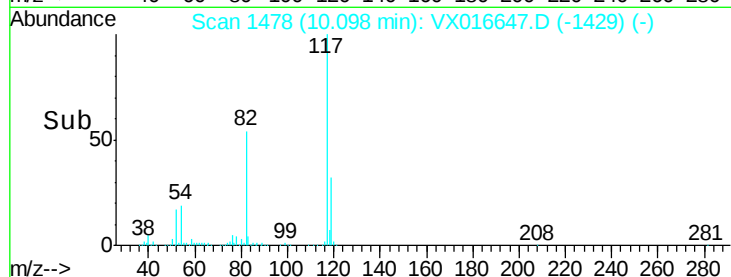
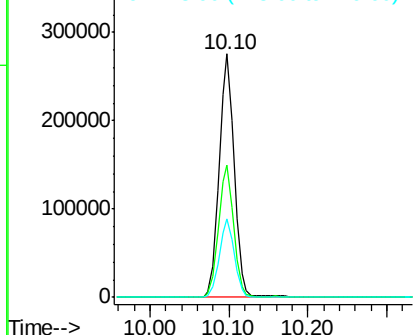
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016647.D
Acq: 08 Jun 2020 19:05

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:117 Resp: 368845
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.6
119 32.0 25.8 38.8

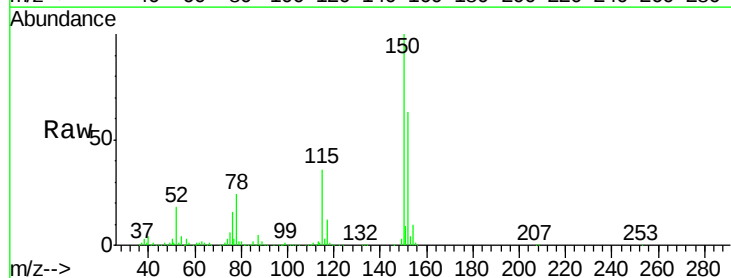


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

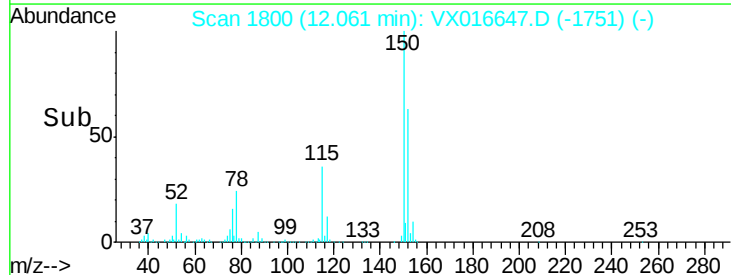
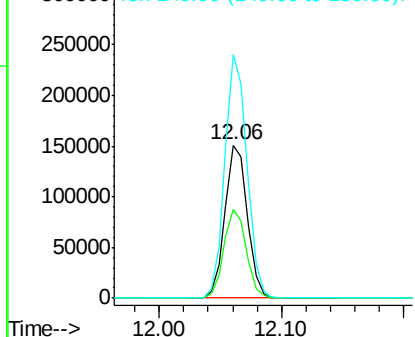


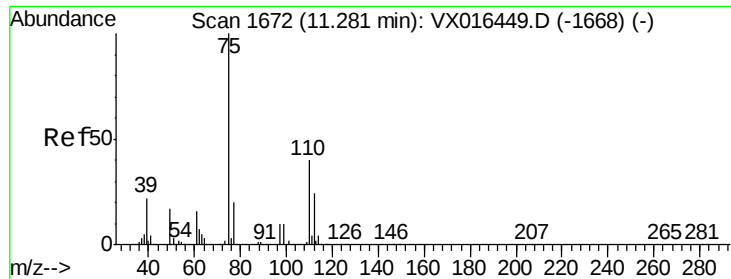
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016647.D
Acq: 08 Jun 2020 19:05

Tgt Ion:152 Resp: 190306
Ion Ratio Lower Upper
152 100
115 57.9 39.9 119.6
150 156.9 0.0 341.0



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

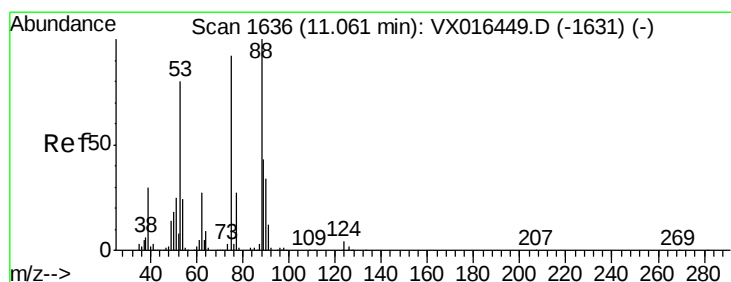
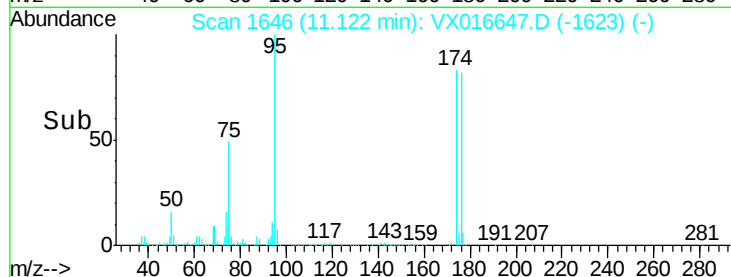
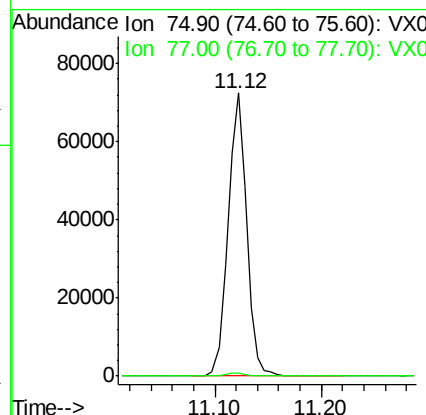
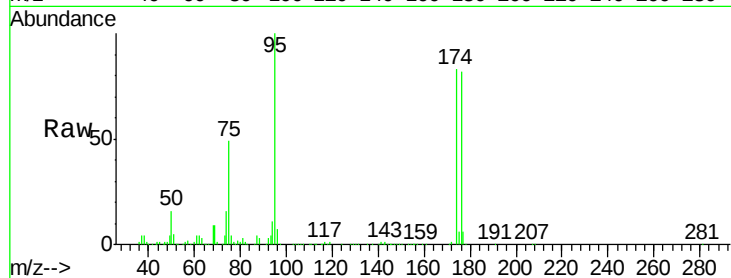




#76
 1,2,3-Trichloropropane
 Concen: 21.11 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016647.D
 Acq: 08 Jun 2020 19:05

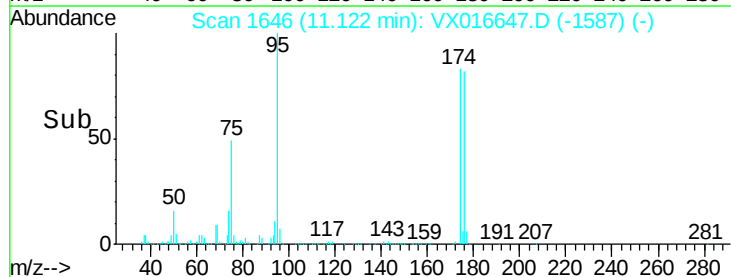
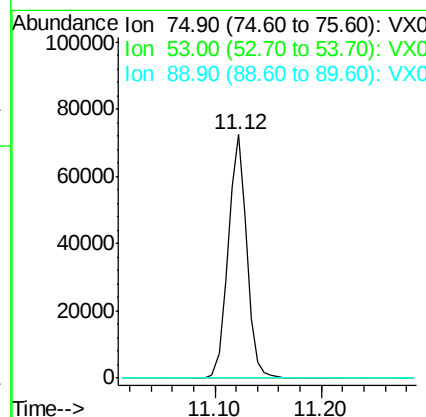
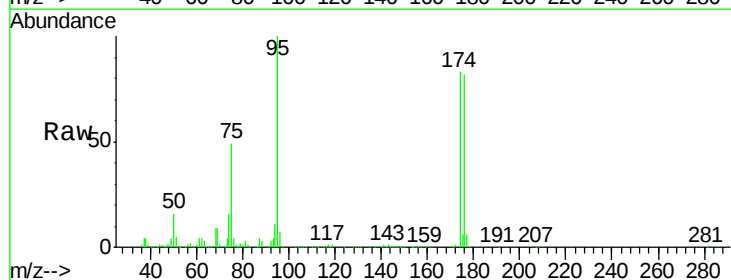
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

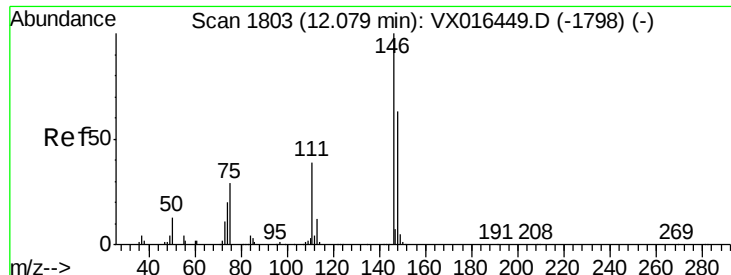
Tgt Ion: 75 Resp: 88324
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.94 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016647.D
 Acq: 08 Jun 2020 19:05

Tgt Ion: 75 Resp: 88324
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#





#88

1,4-Dichlorobenzene

Concen: 0.37 ug/l

RT: 12.09 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VX016647.D

Acq: 08 Jun 2020 19:05

Instrument :

MSVOA_X

ClientSampleId :

MW-3

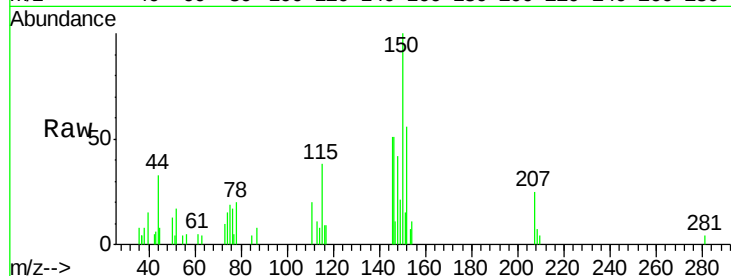
Tgt Ion:146 Resp: 2282

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

148 85.1 31.4 94.3



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

