

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016648.D
 Acq On : 08 Jun 2020 19:28
 Operator : JC/SP
 Sample : L2949-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jun 09 05:48:21 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	225197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	360977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	363528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187386	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	132308	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
35) Dibromofluoromethane	5.47	113	110411	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.70	98	444513	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.12	95	177490	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	

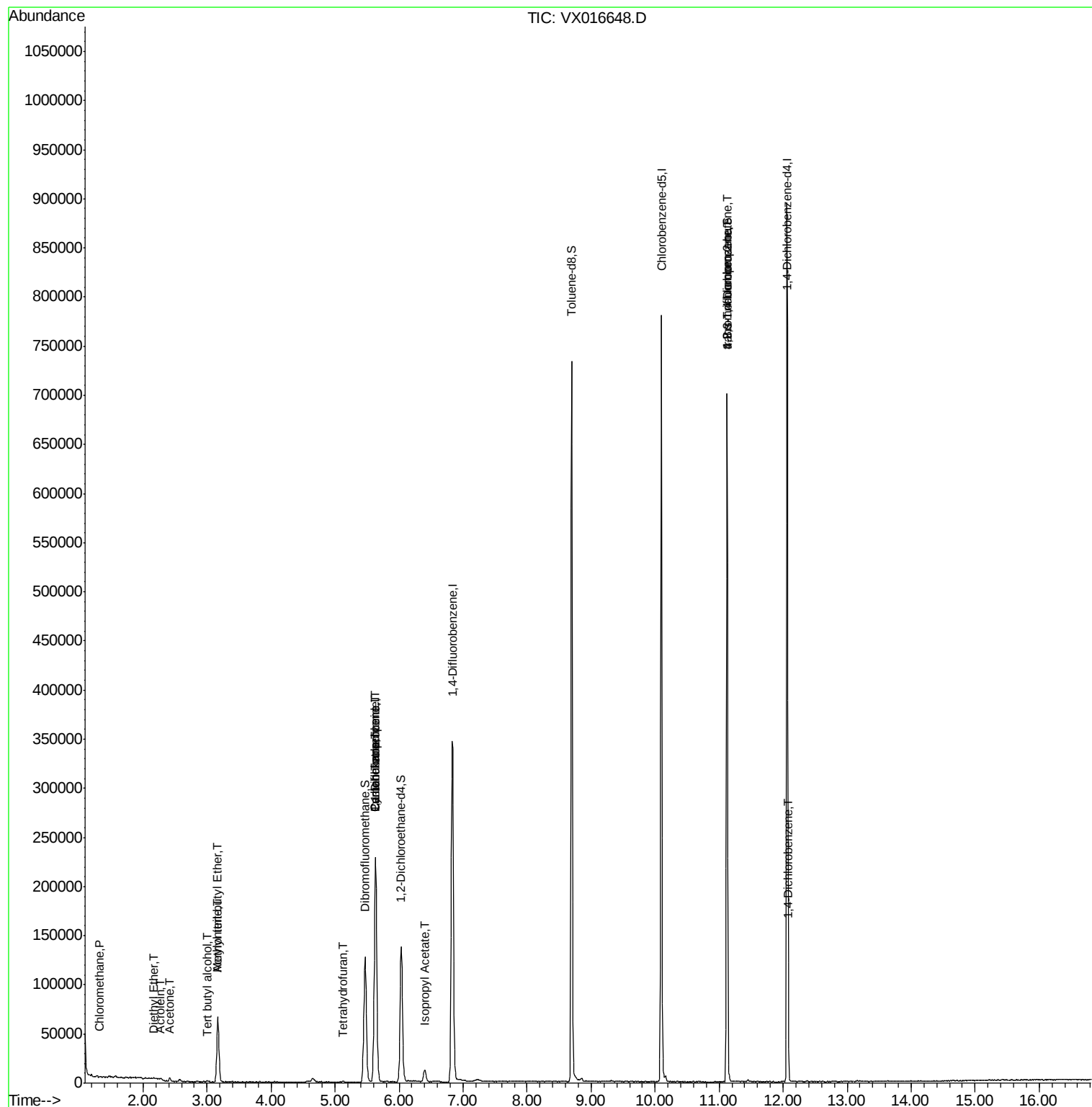
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	707	0.26	ug/l	95
8) Diethyl Ether	2.17	74	428	0.28	ug/l	69
11) Tert butyl alcohol	3.00	59	1337	1.86	ug/l #	72
13) Acrolein	2.27	56	151	0.49	ug/l #	1
15) Acrylonitrile	3.17	53	915	0.62	ug/l #	25
16) Acetone	2.42	43	3748	3.06	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	77068	9.90	ug/l	94
29) Tetrahydrofuran	5.11	42	402	0.30	ug/l #	47
31) Cyclohexane	5.62	56	4016	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15577	4.56	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21351	5.94	ug/l #	17
43) Isopropyl Acetate	6.40	43	4093	0.64	ug/l #	5
76) 1,2,3-Trichloropropane	11.12	75	87320	21.20	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	87320	52.15	ug/l #	14
88) 1,4-Dichlorobenzene	12.09	146	2113	0.35	ug/l #	47

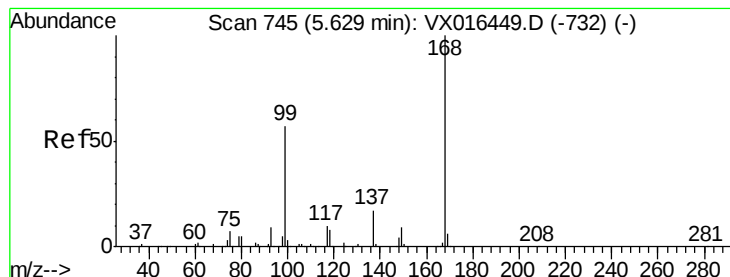
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
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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: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampled :

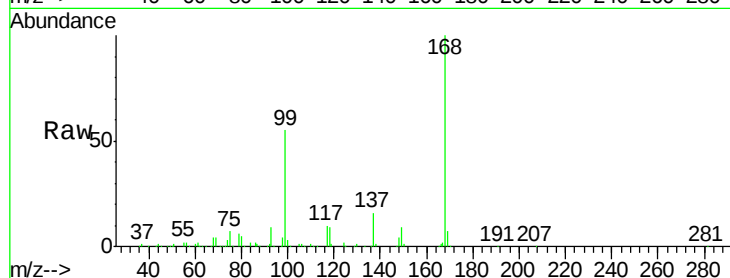
MW-4

Tgt Ion:168 Resp: 225197

Ion Ratio Lower Upper

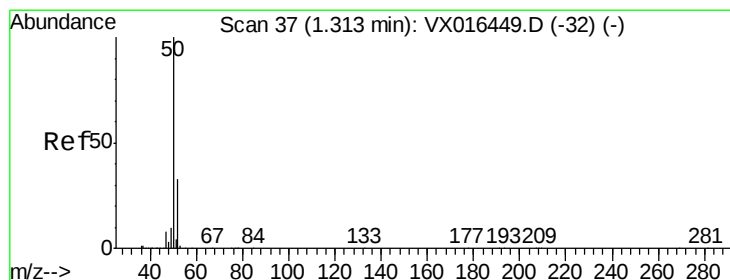
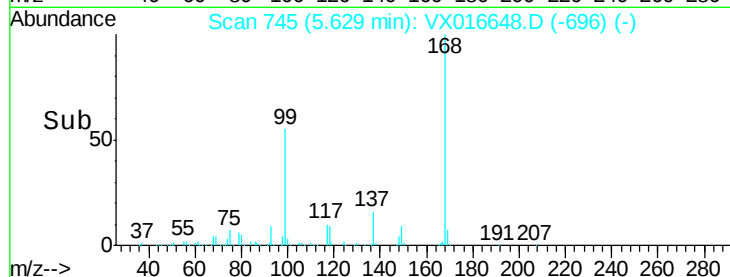
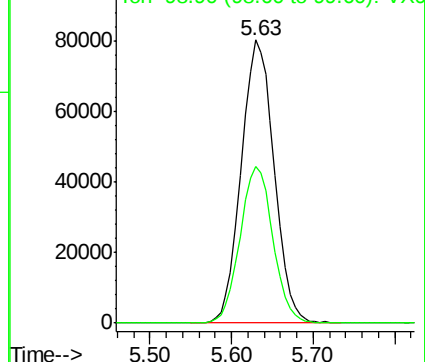
168 100

99 55.3 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: 0.26 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016648.D

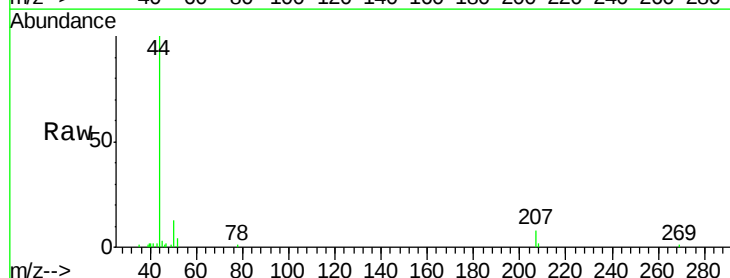
Acq: 08 Jun 2020 19:28

Tgt Ion: 50 Resp: 707

Ion Ratio Lower Upper

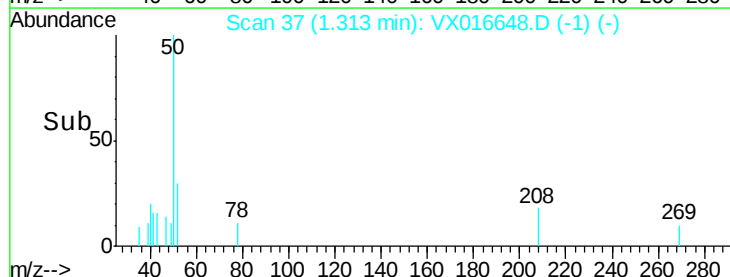
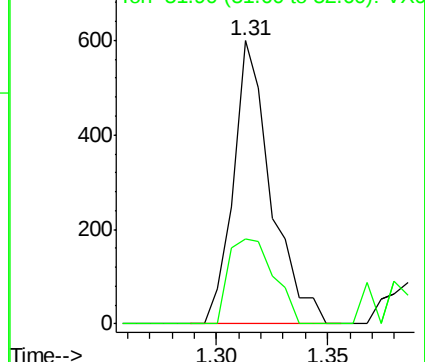
50 100

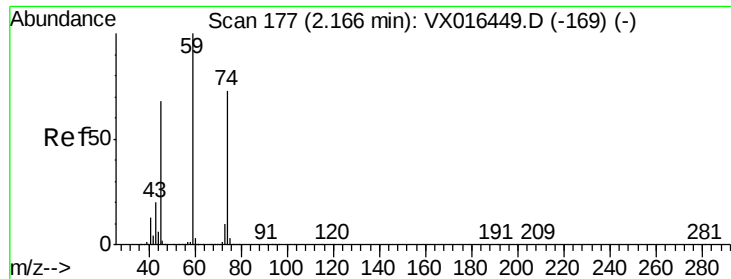
52 29.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#8

Diethyl Ether

Concen: 0.28 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampled :

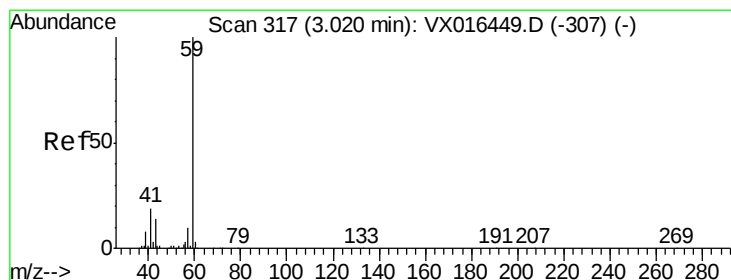
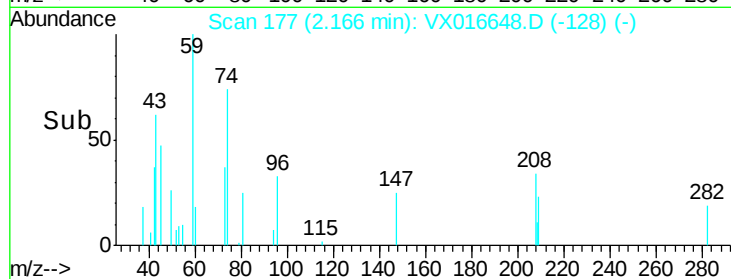
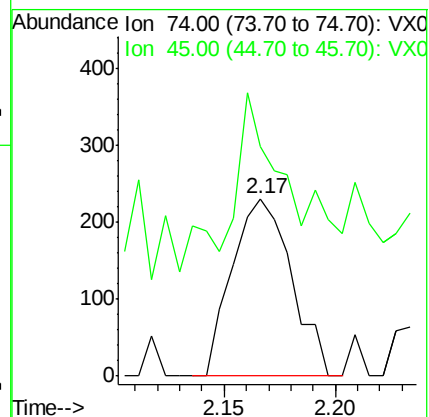
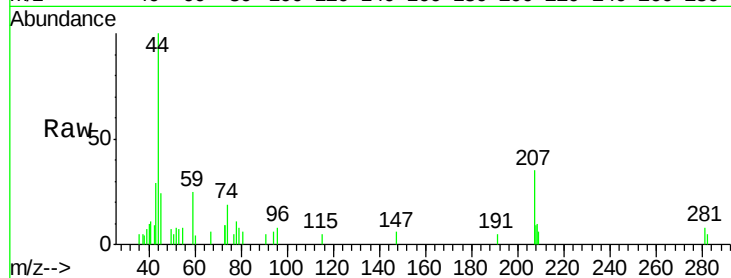
MW-4

Tgt Ion: 74 Resp: 428

Ion Ratio Lower Upper

74 100

45 65.2 47.5 142.5



#11

Tert butyl alcohol

Concen: 1.86 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016648.D

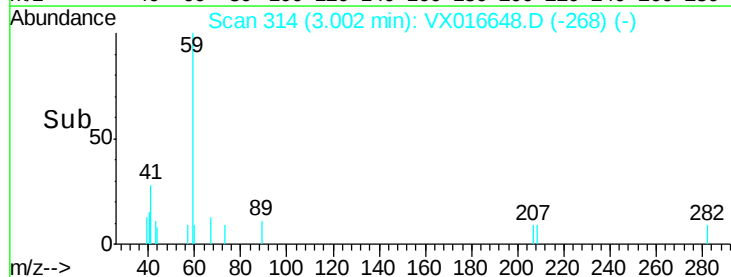
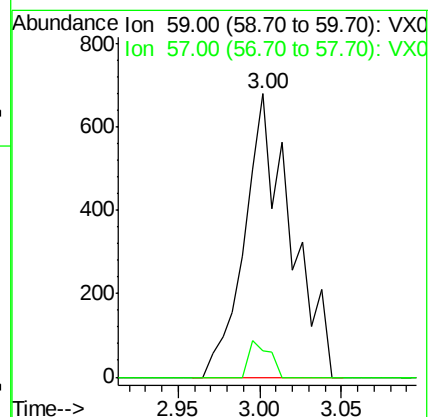
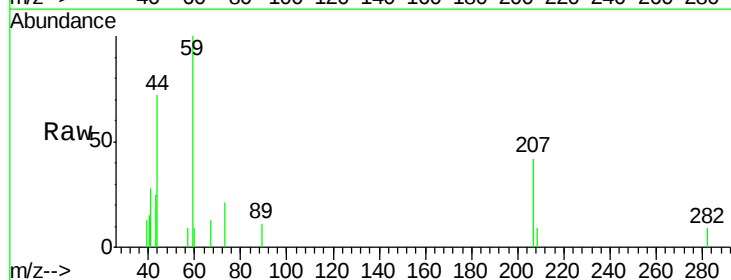
Acq: 08 Jun 2020 19:28

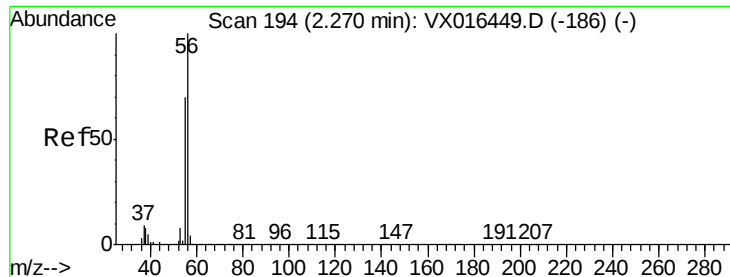
Tgt Ion: 59 Resp: 1337

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.49 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

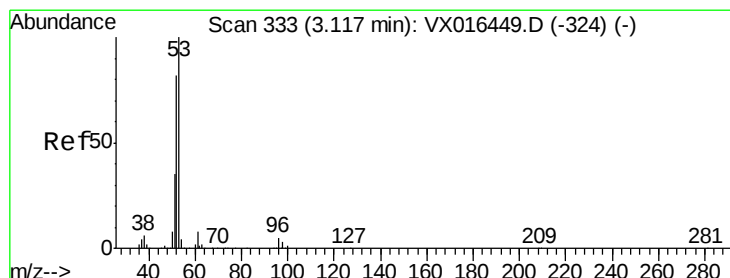
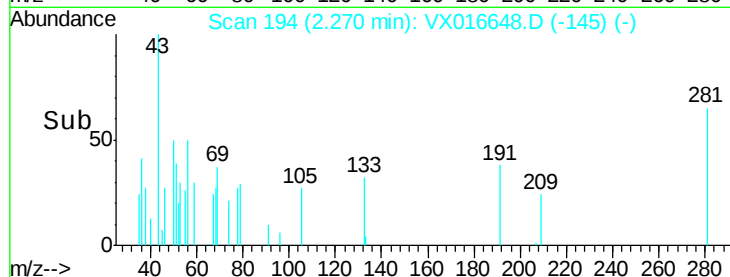
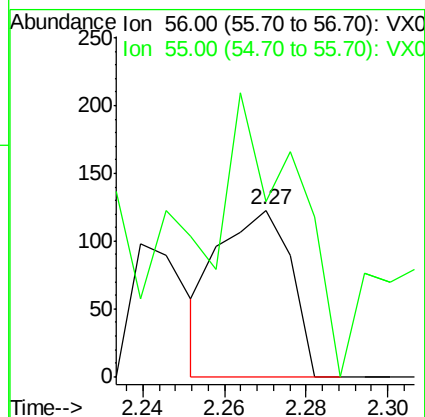
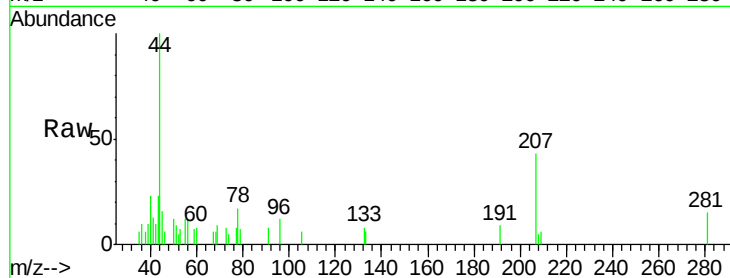
MW-4

Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 169.5 58.3 87.5#



#15

Acrylonitrile

Concen: 0.62 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.05 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

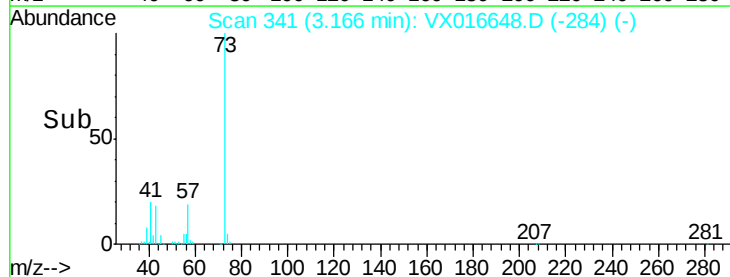
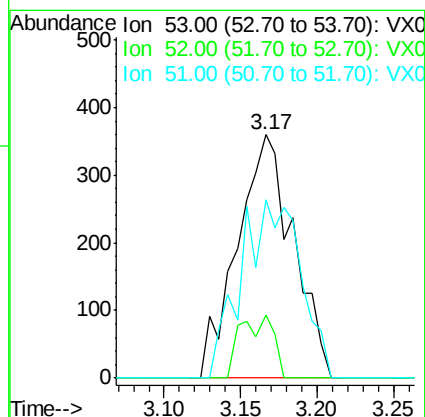
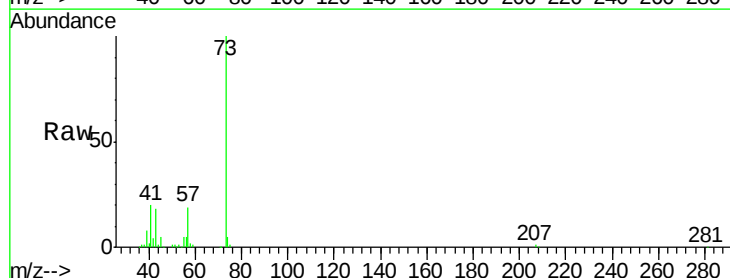
Tgt Ion: 53 Resp: 915

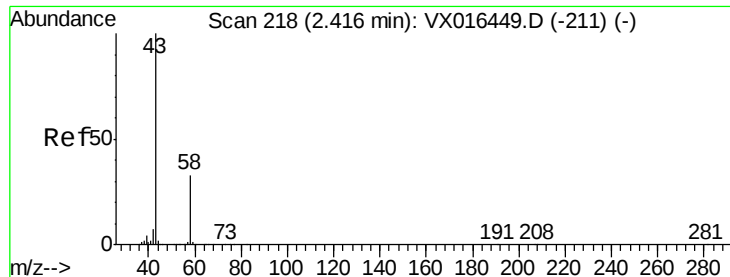
Ion Ratio Lower Upper

53 100

52 15.3 66.7 100.1#

51 78.3 28.6 43.0#





#16

Acetone

Concen: 3.06 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampled :

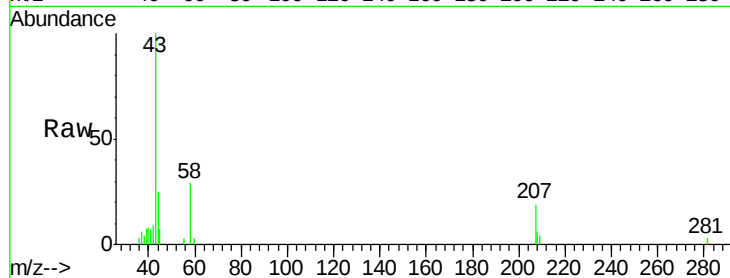
MW-4

Tgt Ion: 43 Resp: 3748

Ion Ratio Lower Upper

43 100

58 30.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2000

1500

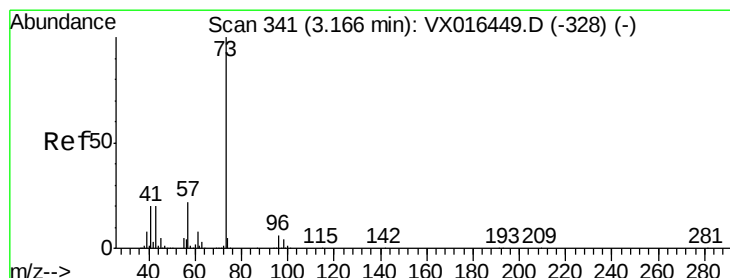
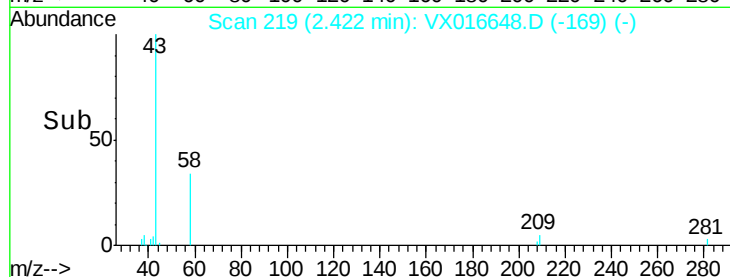
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#19

Methyl tert-butyl Ether

Concen: 9.90 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX016648.D

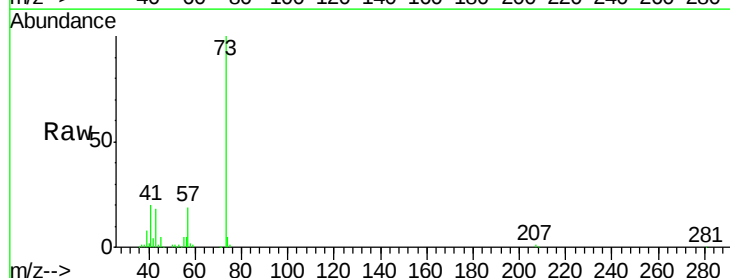
Acq: 08 Jun 2020 19:28

Tgt Ion: 73 Resp: 77068

Ion Ratio Lower Upper

73 100

57 19.4 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.17

30000

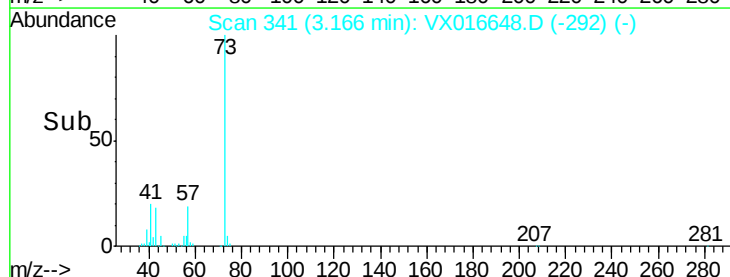
20000

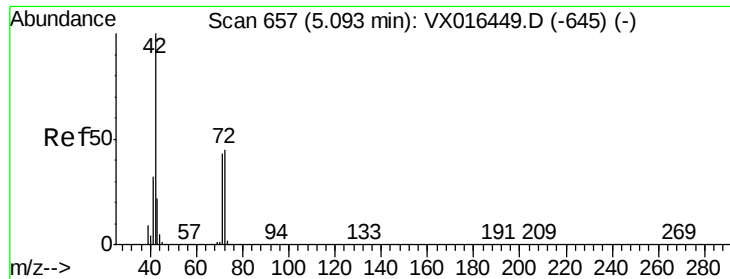
10000

0

Time-->

3.10 3.15 3.20 3.30

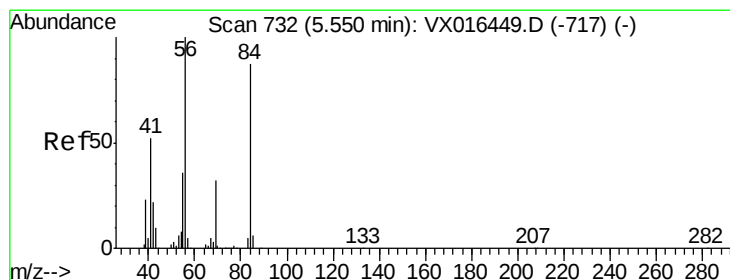
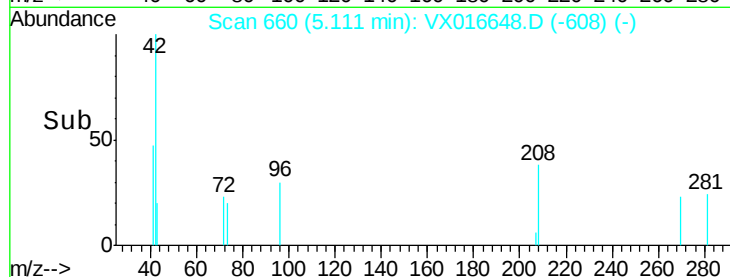
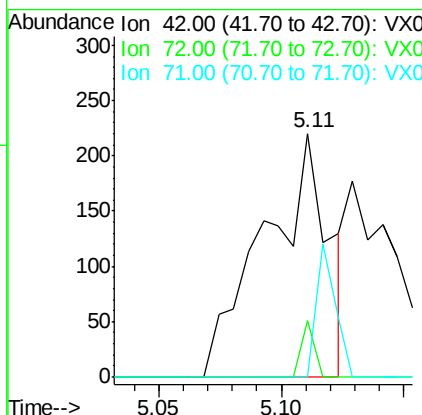
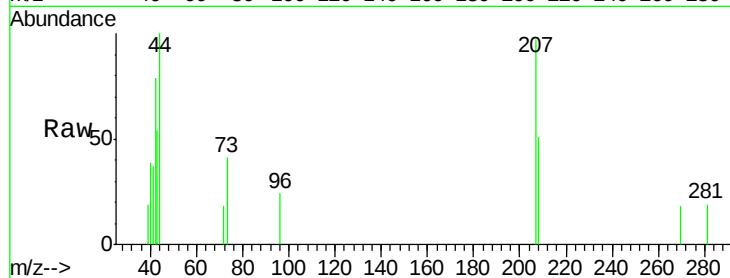




#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX016648.D
Acq: 08 Jun 2020 19:28

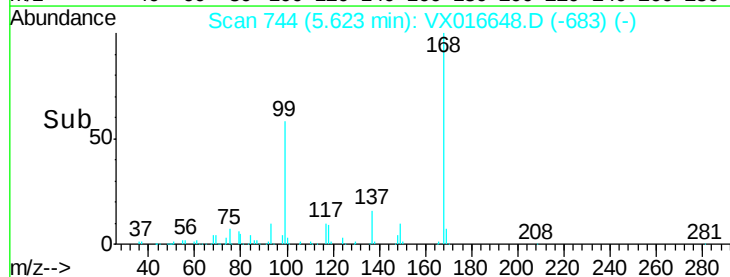
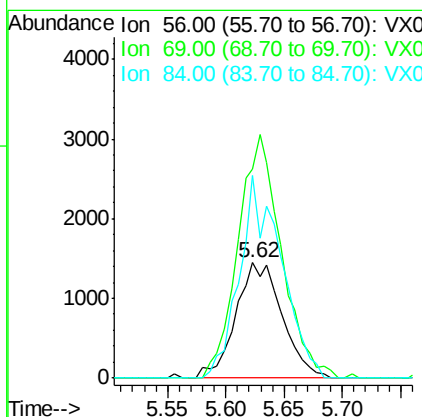
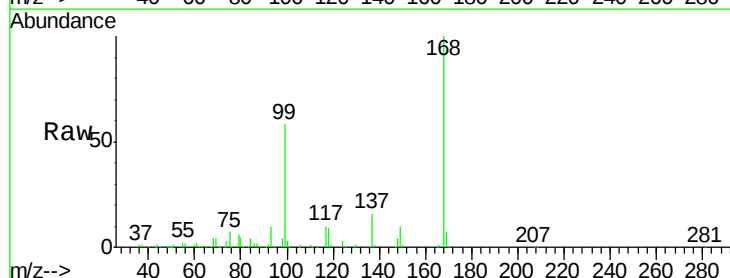
Instrument :
MSVOA_X
ClientSampleId :
MW-4

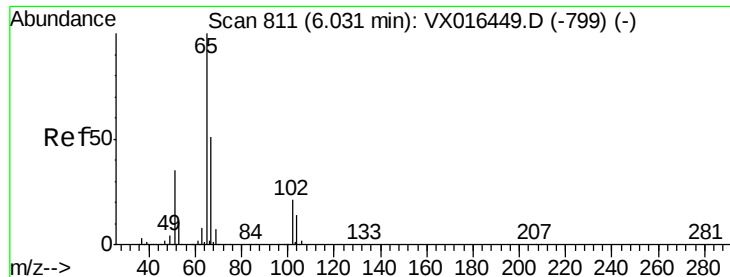
Tgt Ion: 42 Resp: 402
Ion Ratio Lower Upper
42 100
72 4.7 37.0 55.4#
71 15.9 34.1 51.1#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016648.D
Acq: 08 Jun 2020 19:28

Tgt Ion: 56 Resp: 4016
Ion Ratio Lower Upper
56 100
69 181.3 25.7 38.5#
84 175.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 47.31 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampled :

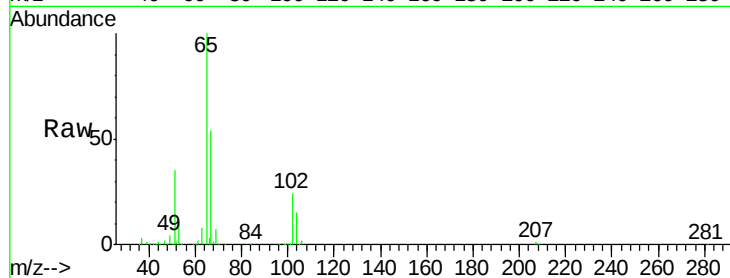
MW-4

Tgt Ion: 65 Resp: 132308

Ion Ratio Lower Upper

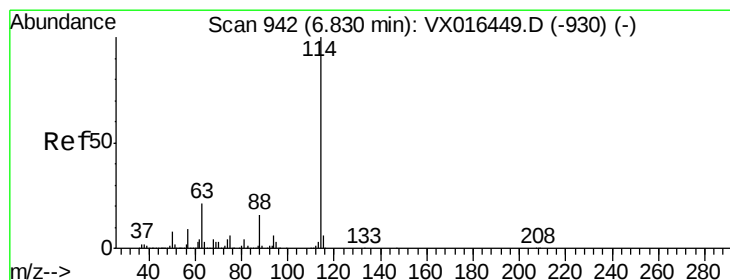
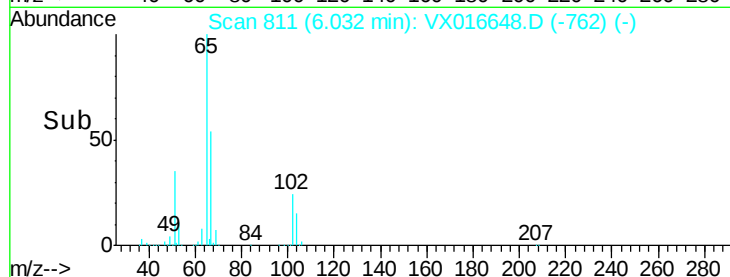
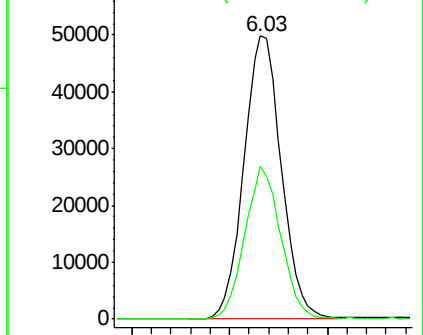
65 100

67 52.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

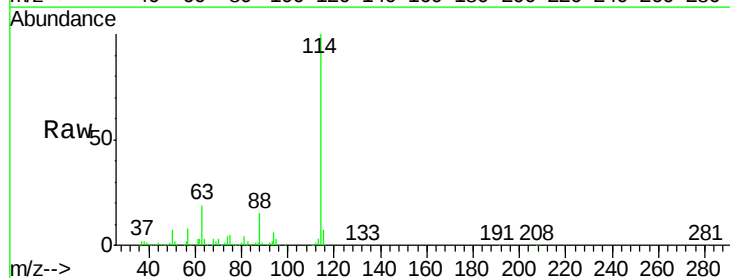
Tgt Ion: 114 Resp: 360977

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

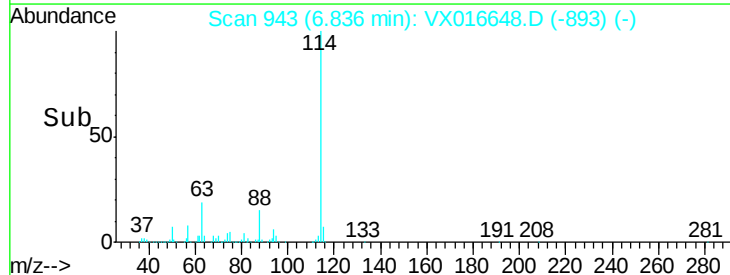
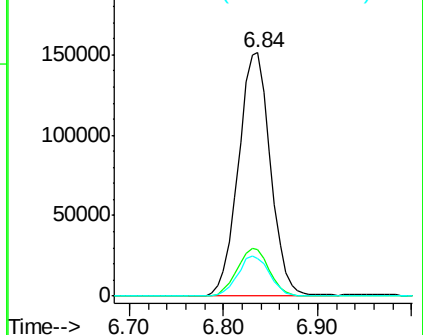
88 15.5 0.0 32.8

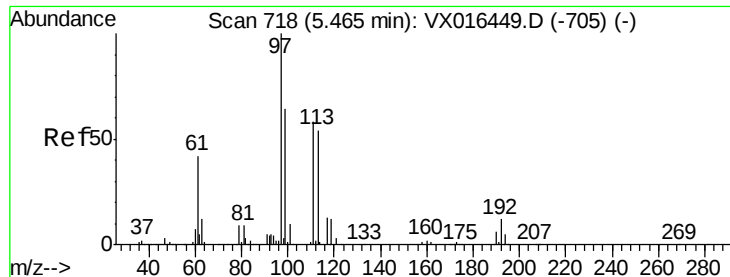


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

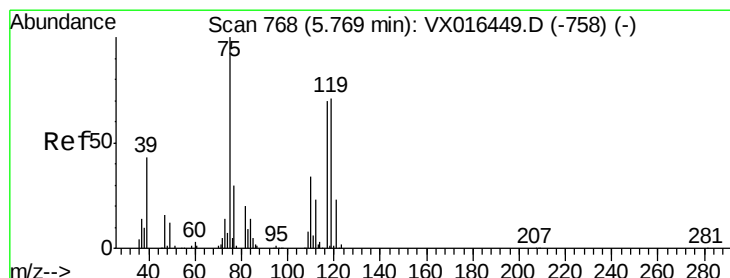
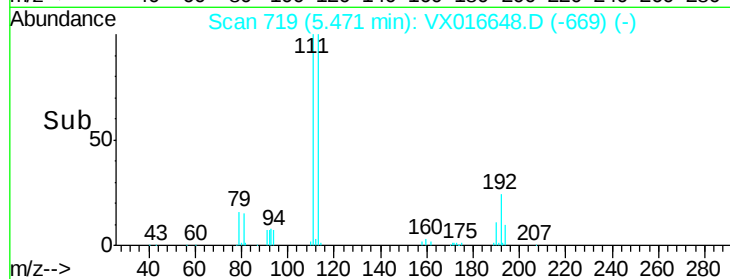
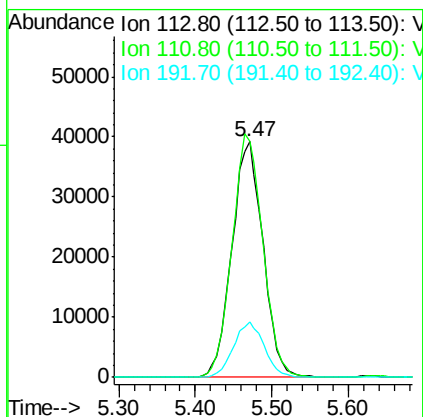
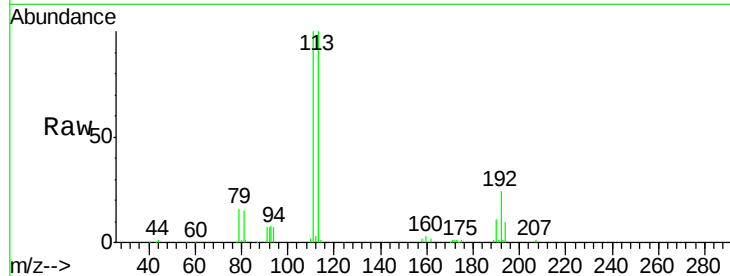




#35
 Dibromofluoromethane
 Concen: 49.67 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016648.D
 Acq: 08 Jun 2020 19:28

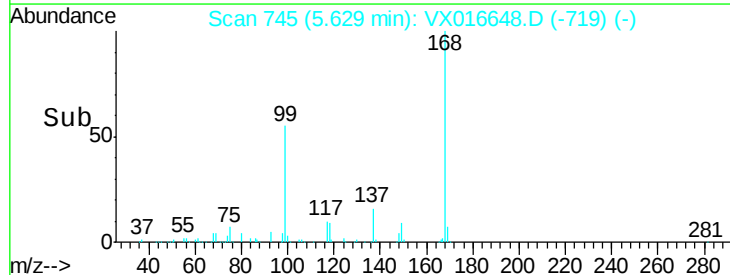
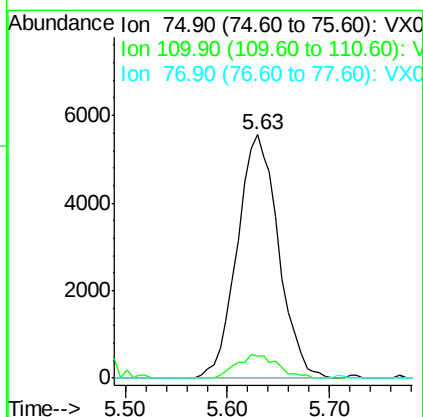
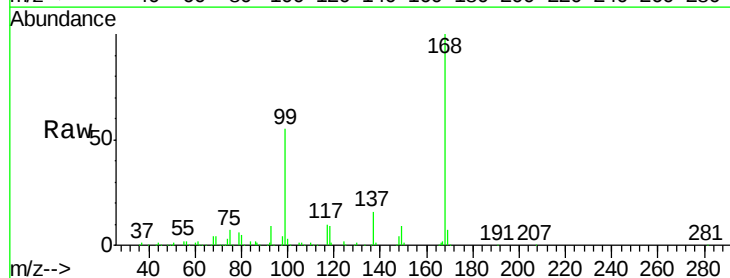
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

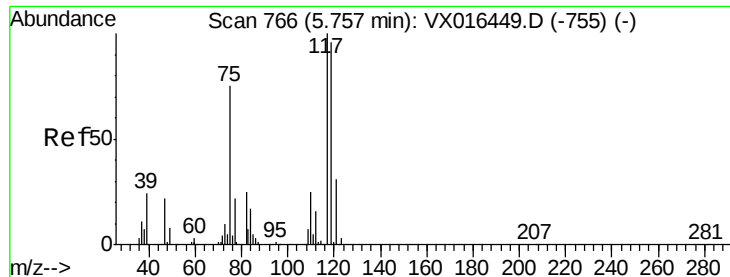
Tgt Ion:113 Resp: 110411
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 23.1 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.56 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016648.D
 Acq: 08 Jun 2020 19:28

Tgt Ion: 75 Resp: 15577
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.4 52.3#
 77 0.0 24.2 36.4#

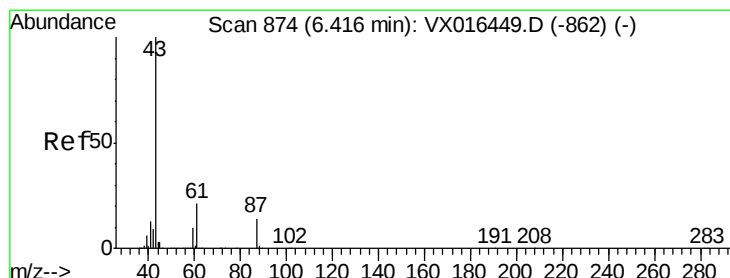
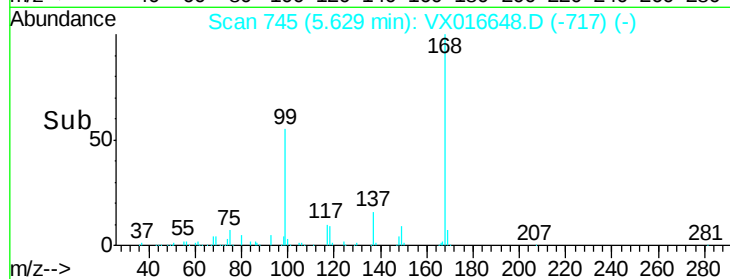
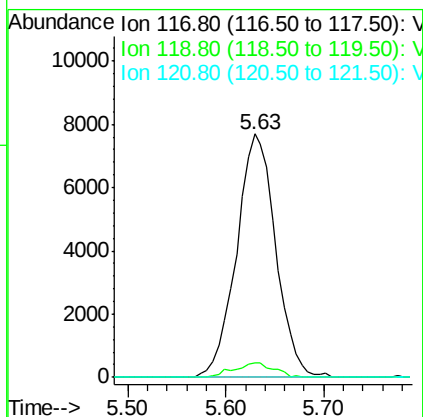
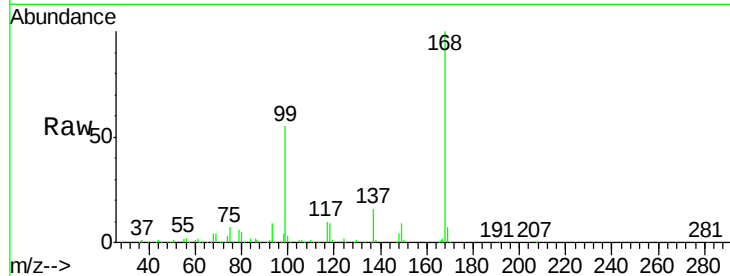




#38
Carbon Tetrachloride
Concen: 5.94 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016648.D
Acq: 08 Jun 2020 19:28

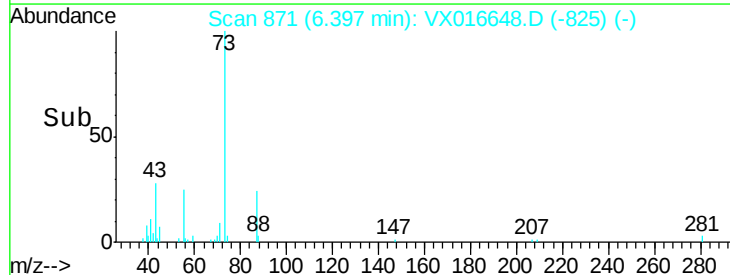
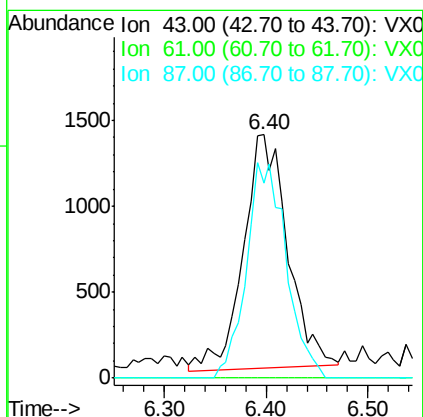
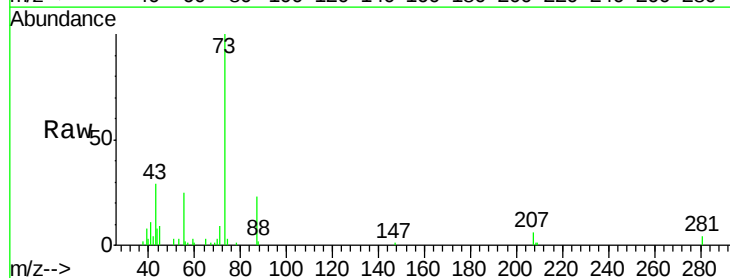
Instrument :
MSVOA_X
ClientSampled :
MW-4

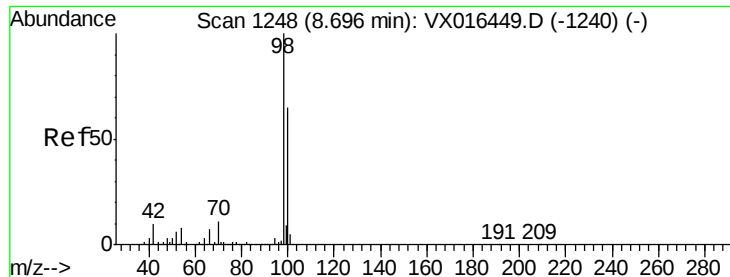
Tgt Ion: 117 Resp: 21351
Ion Ratio Lower Upper
117 100
119 5.8 76.3 114.5#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.64 ug/l
RT: 6.40 min Scan# 871
Delta R.T. -0.02 min
Lab File: VX016648.D
Acq: 08 Jun 2020 19:28

Tgt Ion: 43 Resp: 4093
Ion Ratio Lower Upper
43 100
61 0.0 16.8 25.2#
87 82.9 11.2 16.8#





#50

Toluene-d8

Concen: 51.38 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

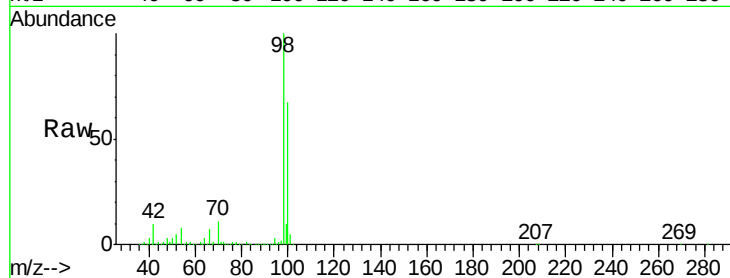
MW-4

Tgt Ion: 98 Resp: 444513

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

300000

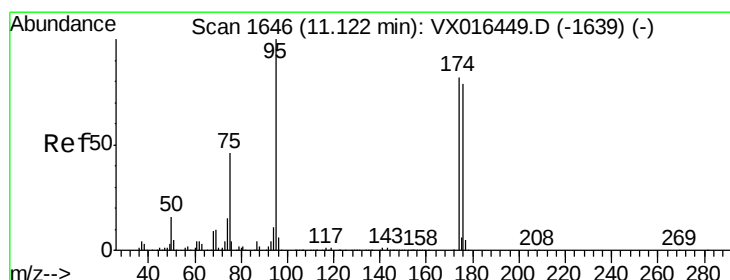
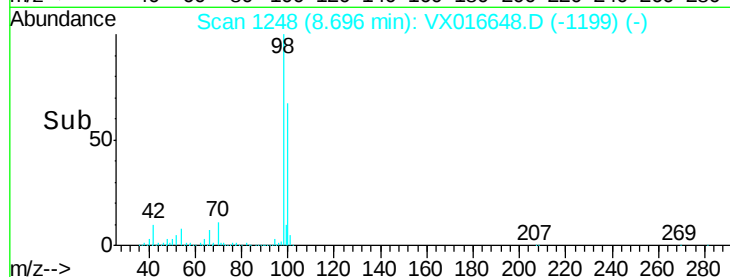
200000

100000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 53.10 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

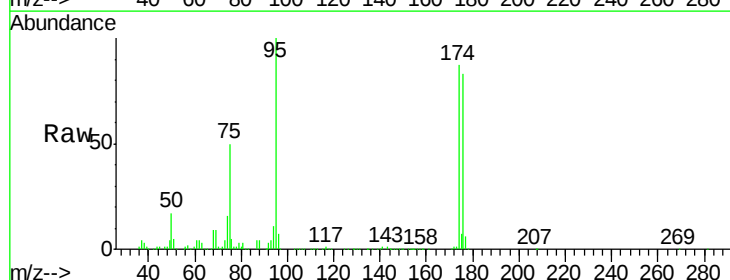
Tgt Ion: 95 Resp: 177490

Ion Ratio Lower Upper

95 100

174 87.3 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

200000

150000

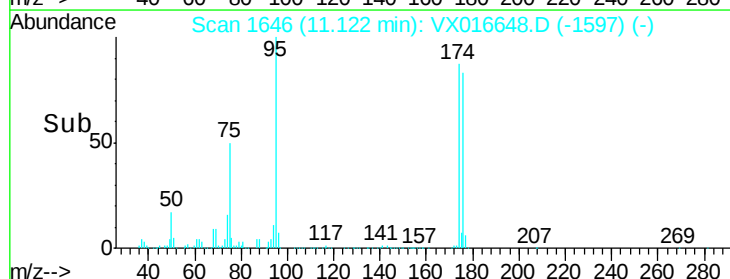
100000

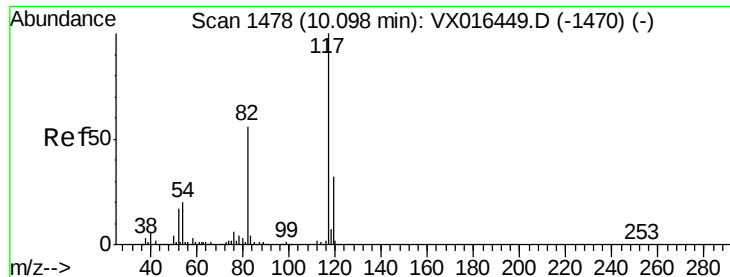
50000

0

11.10 11.12 11.20

Time-->

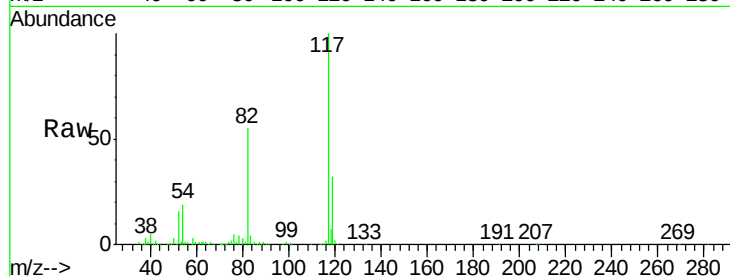




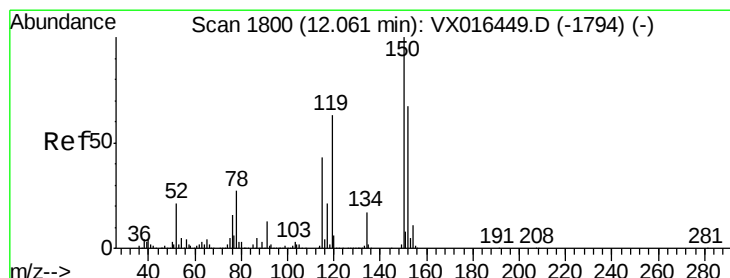
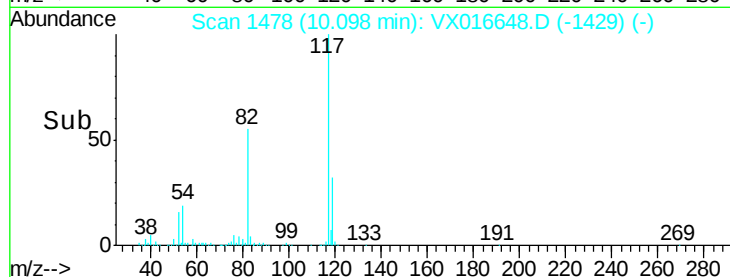
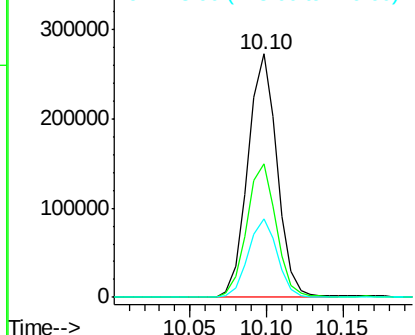
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016648.D
Acq: 08 Jun 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:117 Resp: 363528
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 32.2 25.8 38.8

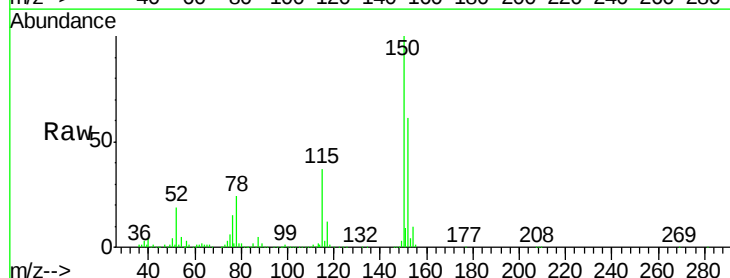


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

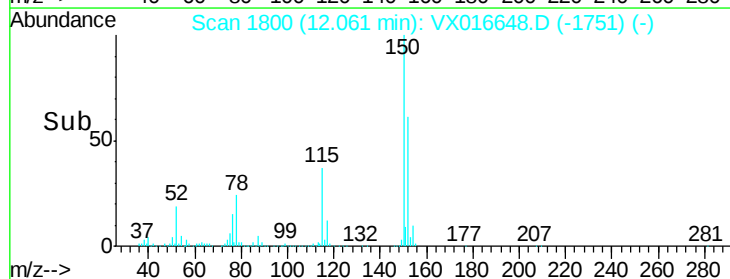
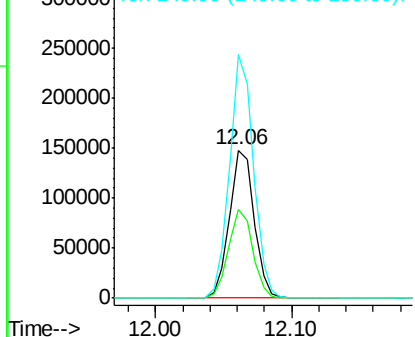


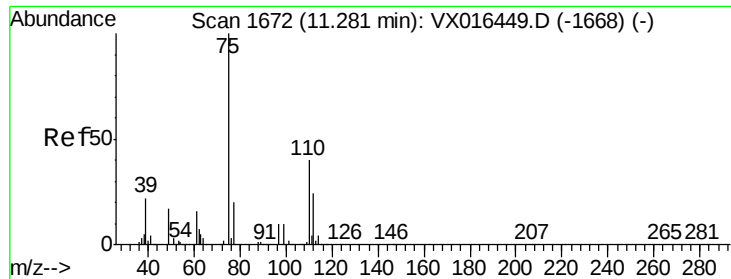
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016648.D
Acq: 08 Jun 2020 19:28

Tgt Ion:152 Resp: 187386
Ion Ratio Lower Upper
152 100
115 58.7 39.9 119.6
150 158.8 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: 21.20 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

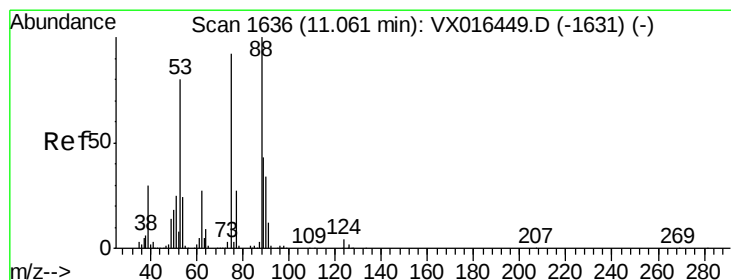
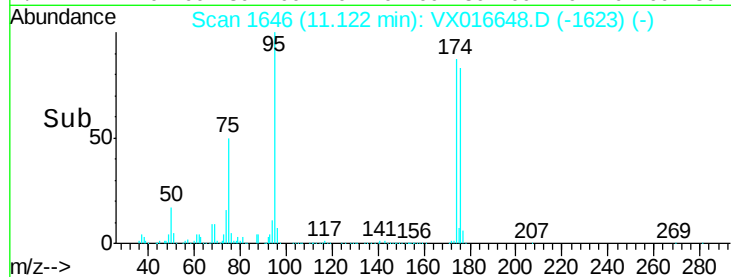
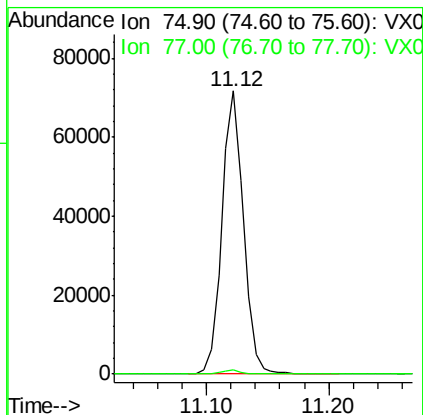
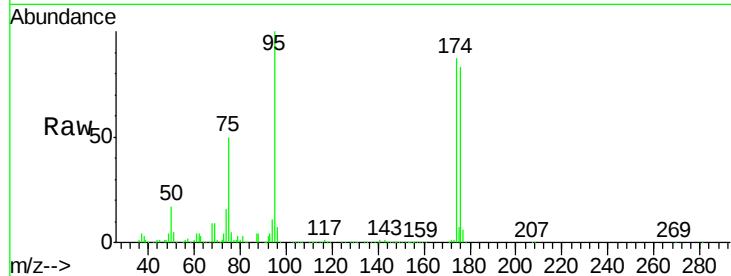
MW-4

Tgt Ion: 75 Resp: 87320

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.15 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

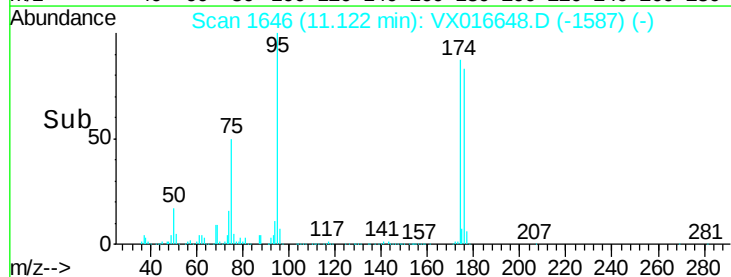
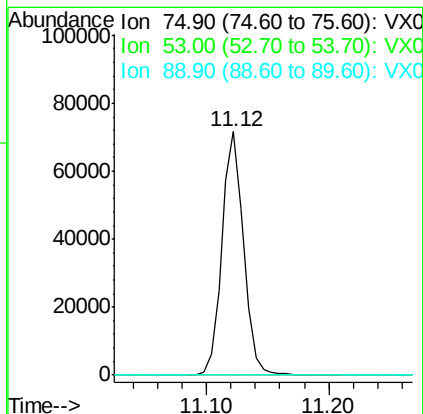
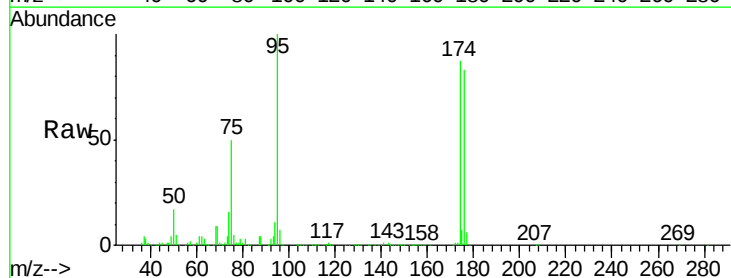
Tgt Ion: 75 Resp: 87320

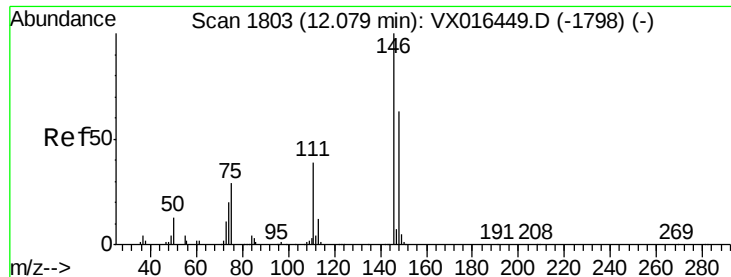
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#





#88

1,4-Dichlorobenzene

Concen: 0.35 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX016648.D

Acq: 08 Jun 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion:146 Resp: 2113

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.2#

148 99.0 31.4 94.3#

