

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009782.D
 Acq On : 22 May 2019 05:47
 Operator : JC/SP
 Sample : K2953-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16D_R2

Quant Time: May 22 07:13:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

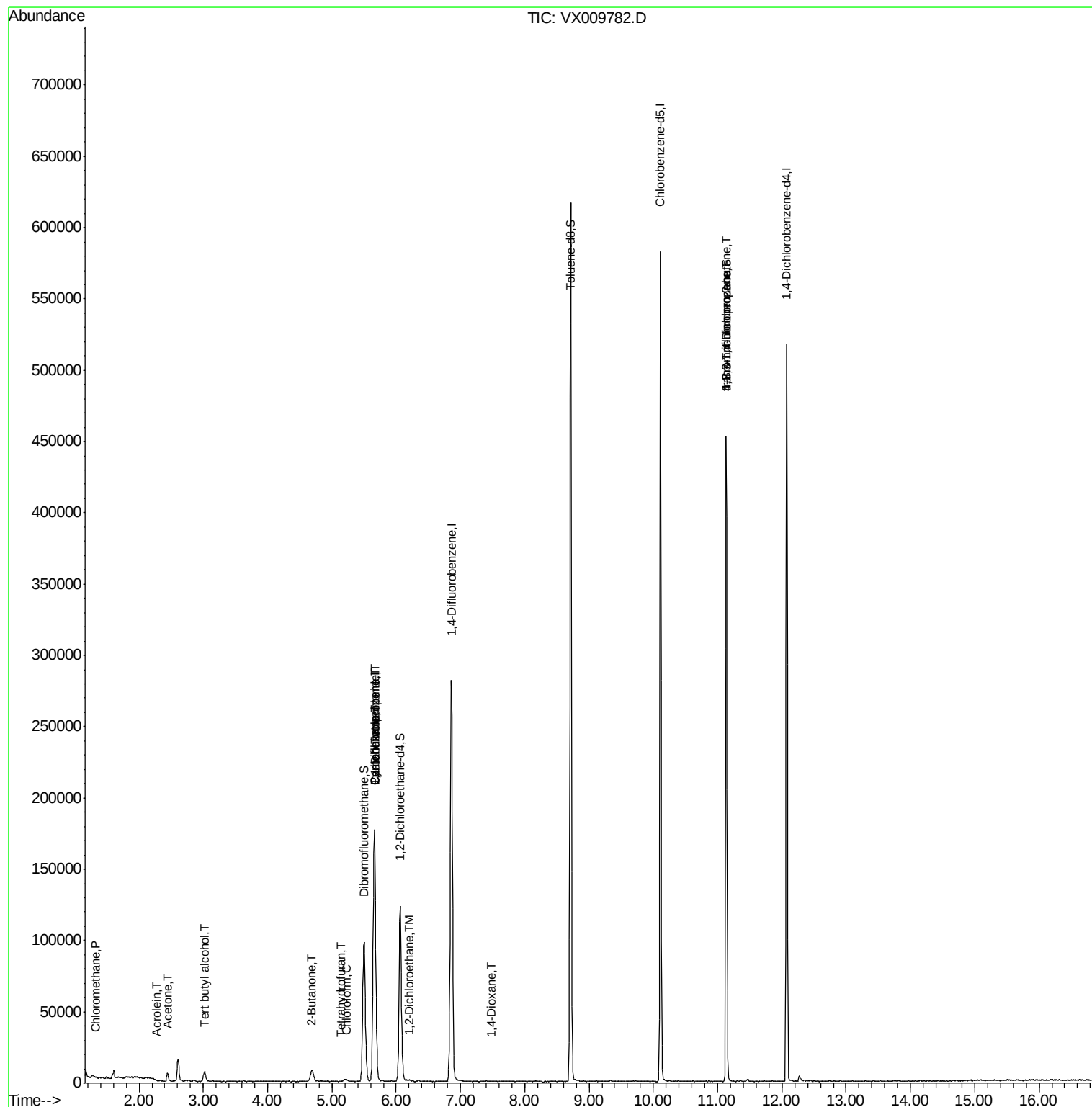
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108818	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	117459	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
35) Dibromofluoromethane	5.50	113	84187	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	349789	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.13	95	117672	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.10%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	641	0.296	ug/l #	84
11) Tert butyl alcohol	3.01	59	4733	8.712	ug/l #	81
13) Acrolein	2.28	56	132	0.268	ug/l #	71
16) Acetone	2.45	43	6338	5.029	ug/l	92
25) 2-Butanone	4.68	43	1372	0.701	ug/l #	82
28) Bromochloromethane	5.00	49	46	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	275	0.218	ug/l #	38
30) Chloroform	5.23	83	1566	0.464	ug/l	98
31) Cyclohexane	5.66	56	4117	1.187	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13457	5.283	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16278	7.034	ug/l #	15
42) 1,2-Dichloroethane	6.20	62	1033	0.365	ug/l	80
49) 1,4-Dioxane	7.47	88	19	0.333	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60140	23.826	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60140	60.961	ug/l #	10

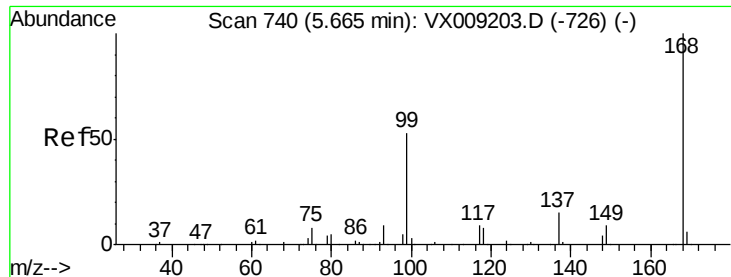
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

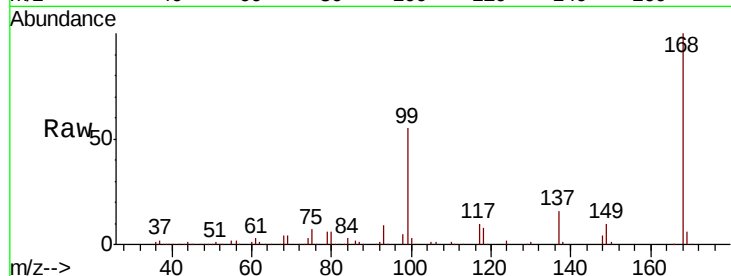
MW-16D_R2

Tot Ion:168 Resp: 171921

Ion Ratio Lower Upper

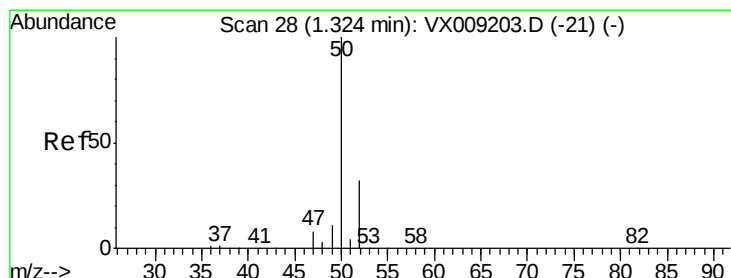
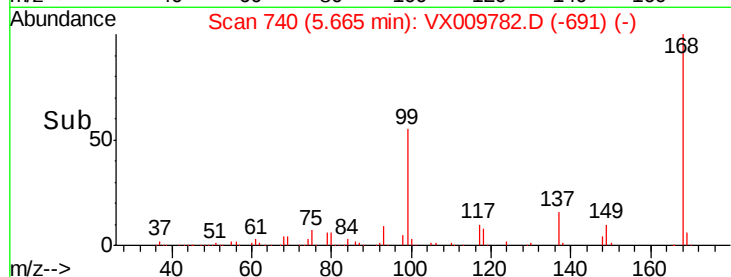
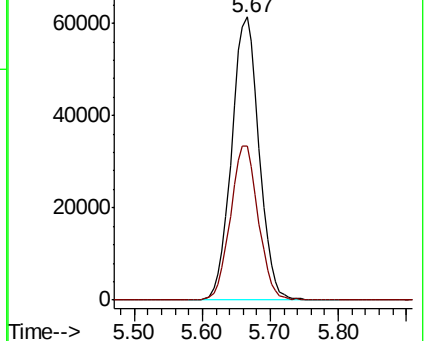
168 100

99 54.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.296 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009782.D

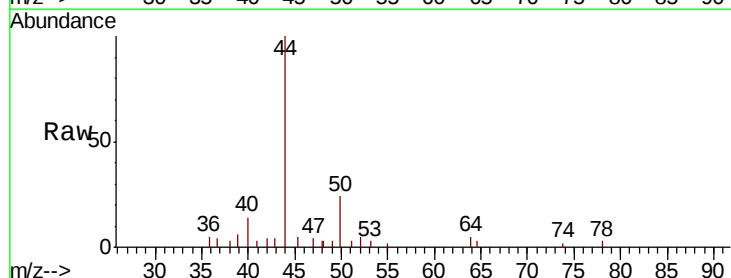
Acq: 22 May 2019 05:47

Tgt Ion: 50 Resp: 641

Ion Ratio Lower Upper

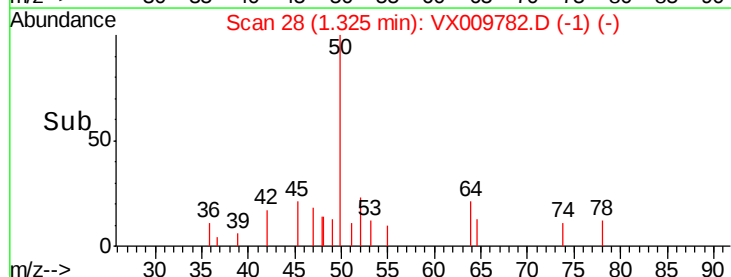
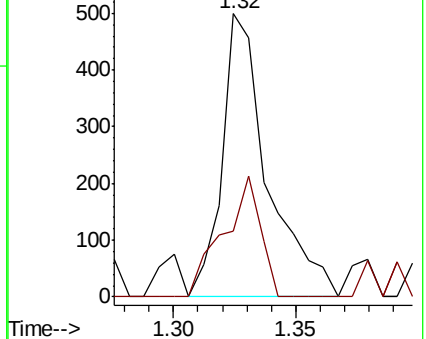
50 100

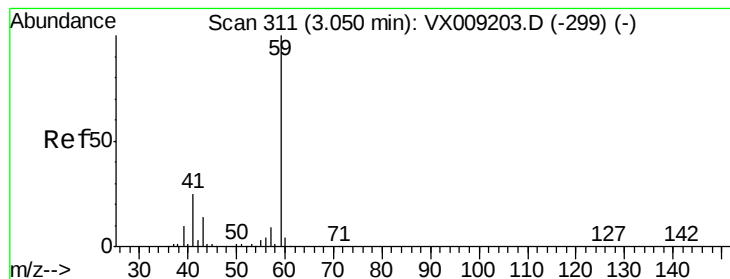
52 23.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



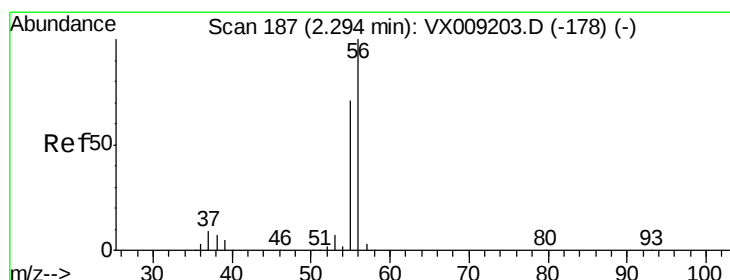
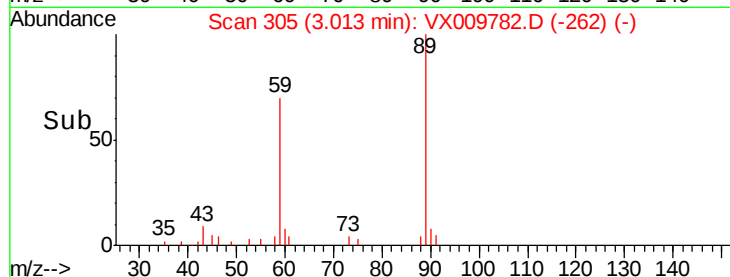
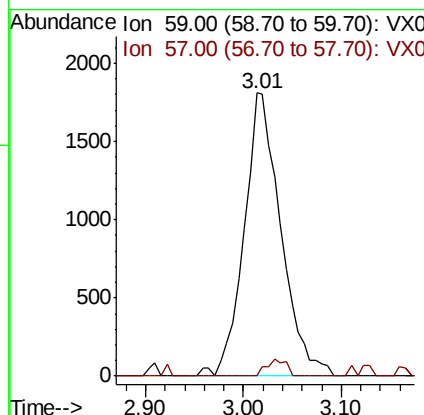
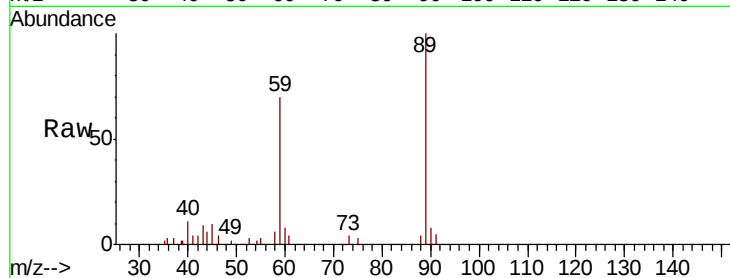


#11

Tert butyl alcohol
 Concen: 8.712 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX009782.D
 Acq: 22 May 2019 05:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16D_R2

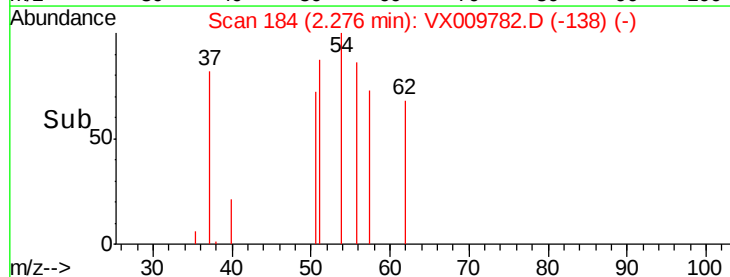
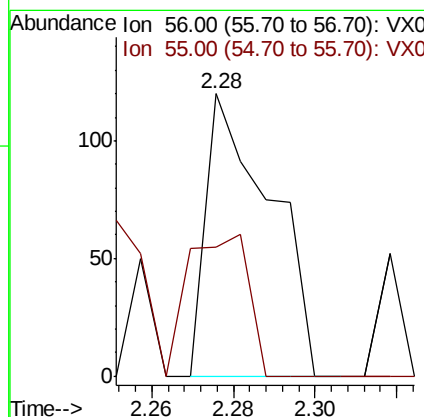
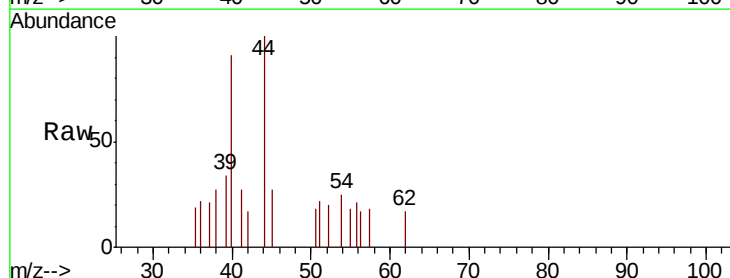
Tot Ion: 59 Resp: 4733
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.2 12.2#



#13

Acrolein
 Concen: 0.268 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX009782.D
 Acq: 22 May 2019 05:47

Tgt Ion: 56 Resp: 132
 Ion Ratio Lower Upper
 56 100
 55 47.0 56.6 85.0#





#16

Acetone

Concen: 5.029 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

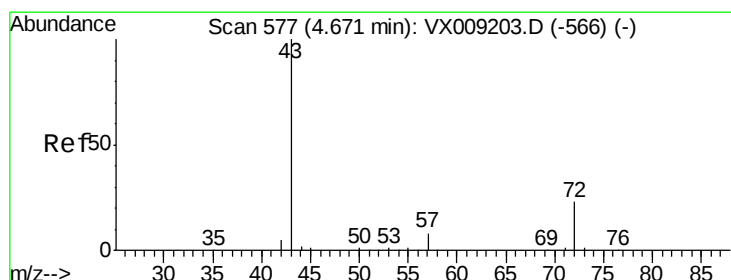
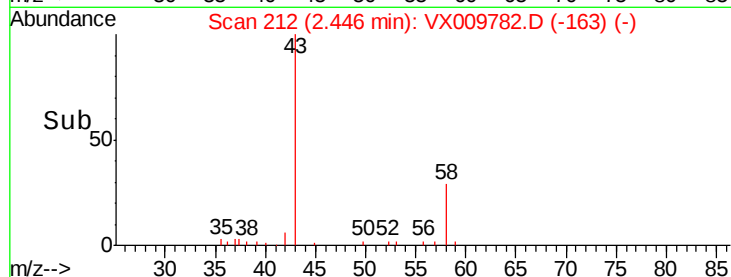
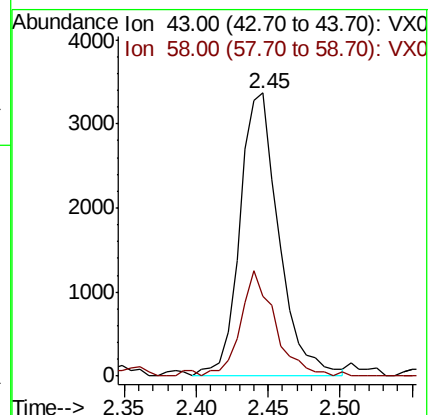
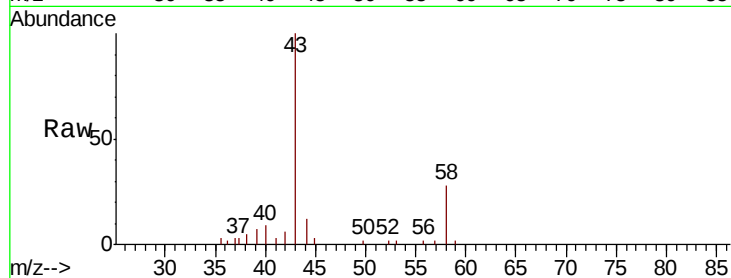
MW-16D_R2

Tot Ion: 43 Resp: 6338

Ion Ratio Lower Upper

43 100

58 26.6 24.9 37.3



#25

2-Butanone

Concen: 0.701 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009782.D

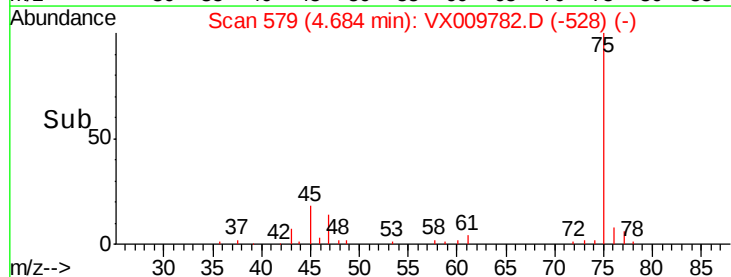
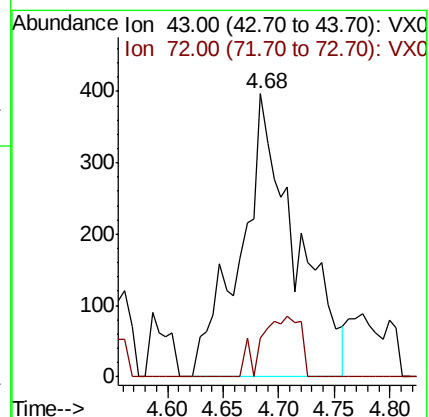
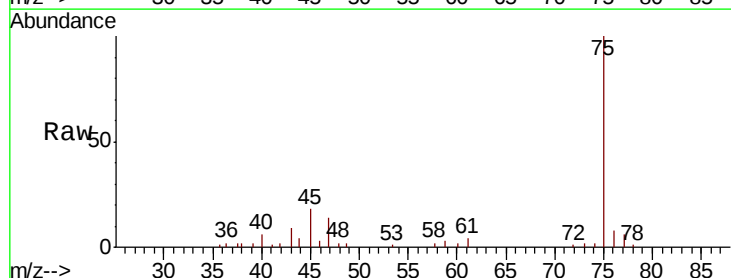
Acq: 22 May 2019 05:47

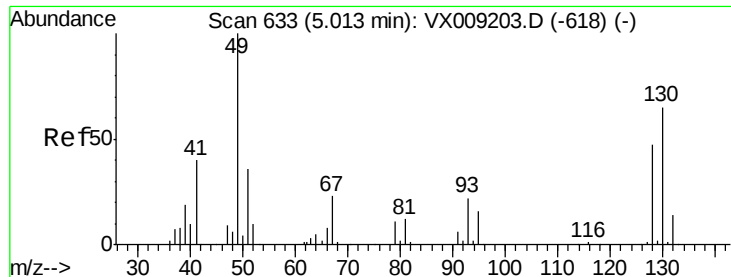
Tgt Ion: 43 Resp: 1372

Ion Ratio Lower Upper

43 100

72 13.9 18.2 27.2#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R2

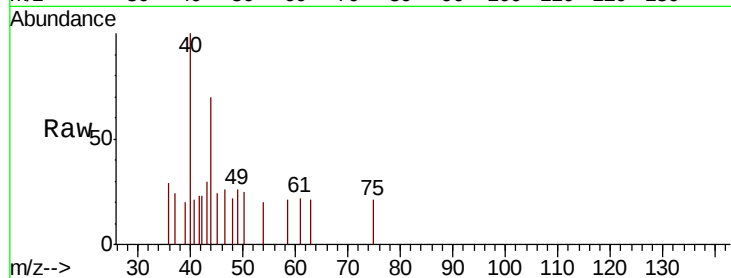
Tot Ion: 49 Resp: 46

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

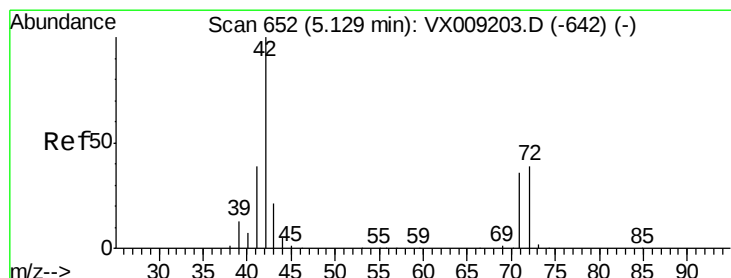
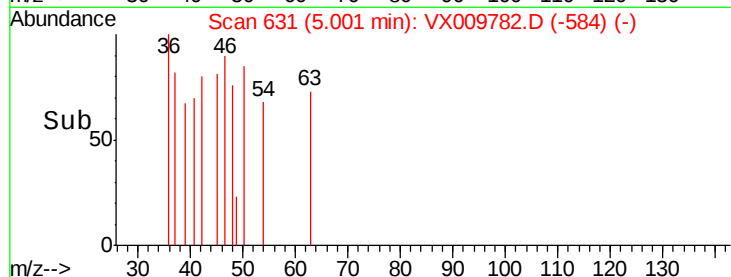
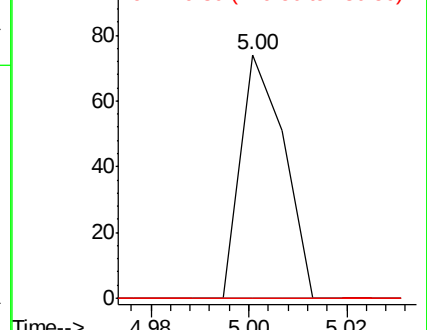
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

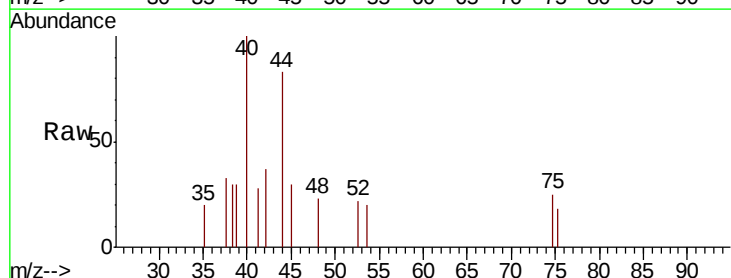
Tgt Ion: 42 Resp: 275

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

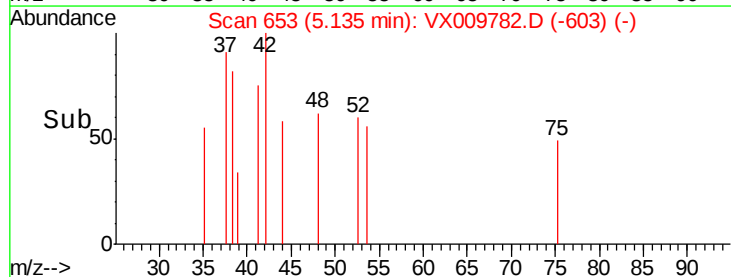
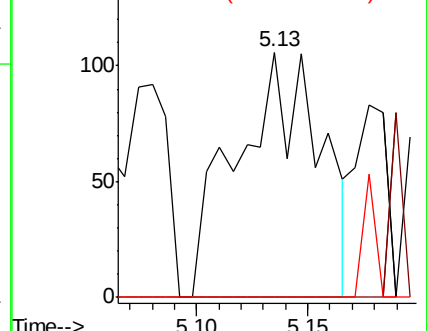
71 0.0 28.6 43.0#

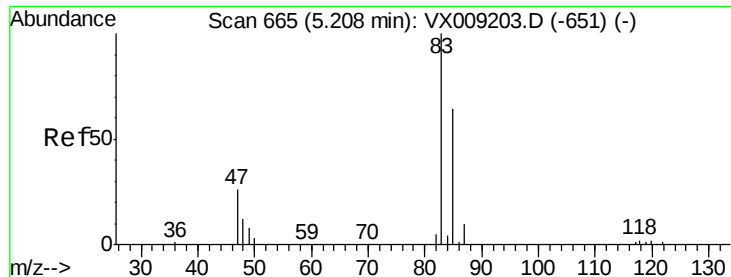


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

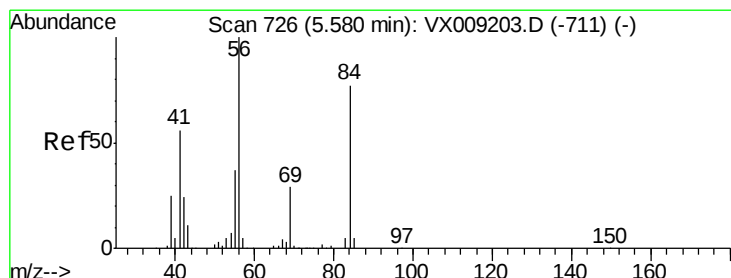
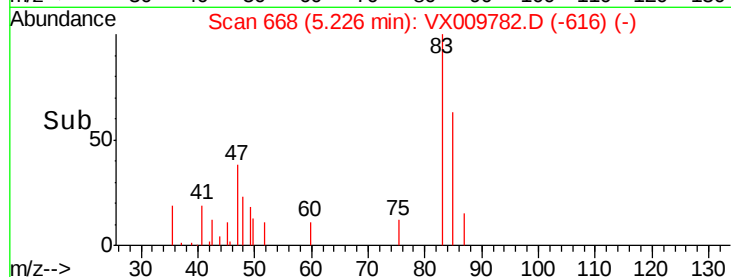
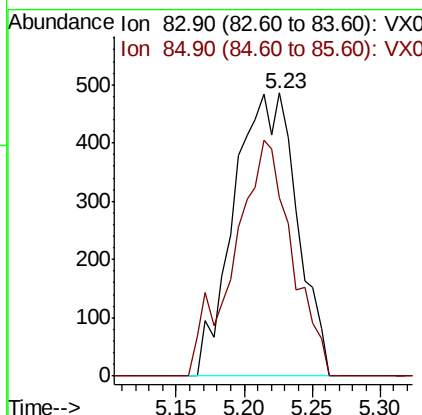
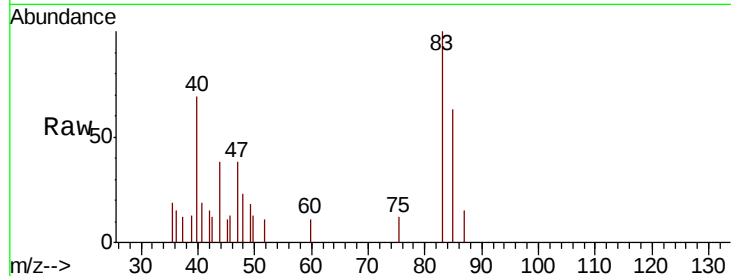




#30
Chloroform
Concen: 0.464 ug/l
RT: 5.23 min Scan# 668
Delta R.T. 0.02 min
Lab File: VX009782.D
Acq: 22 May 2019 05:47

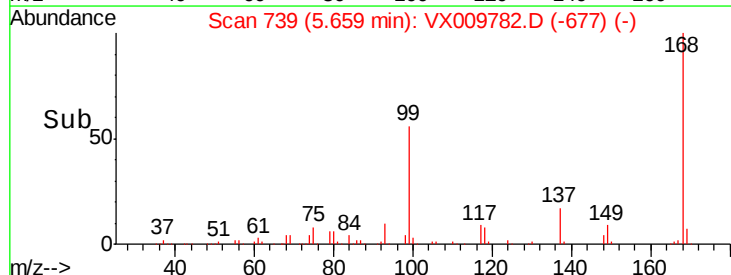
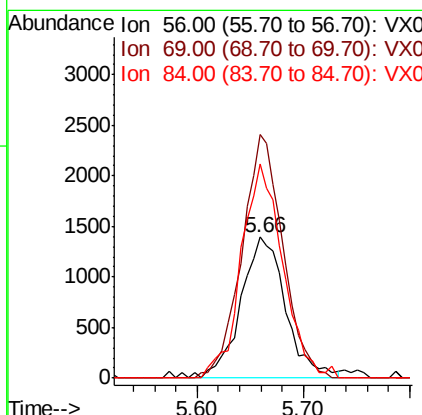
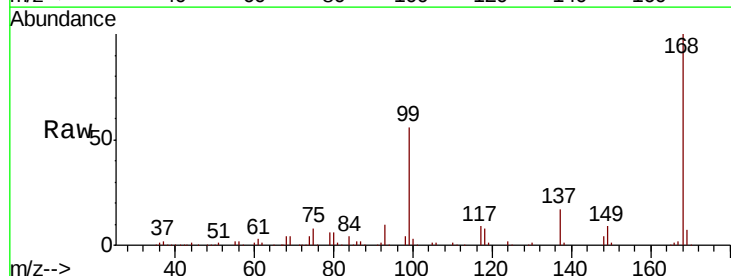
Instrument :
MSVOA_X
ClientSampled :
MW-16D_R2

Tot Ion: 83 Resp: 1566
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009782.D
Acq: 22 May 2019 05:47

Tgt Ion: 56 Resp: 4117
Ion Ratio Lower Upper
56 100
69 172.9 23.4 35.0#
84 151.9 61.9 92.9#

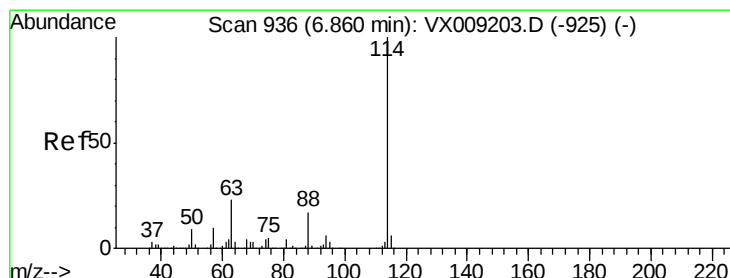
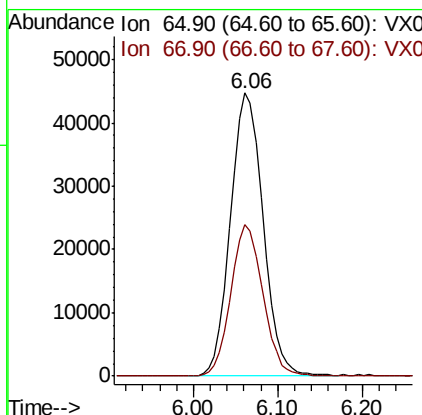
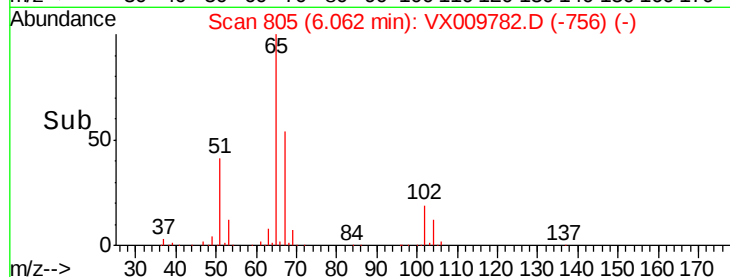
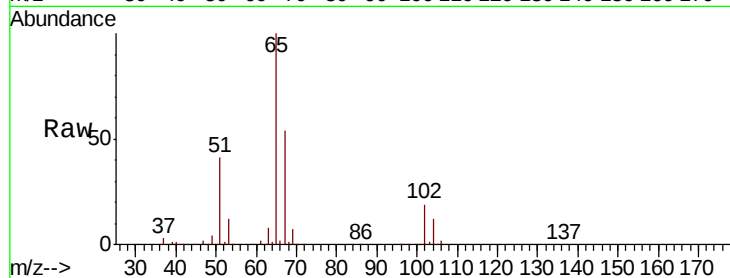




#33
 1,2-Dichloroethane-d4
 Concen: 50.048 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009782.D
 Acq: 22 May 2019 05:47

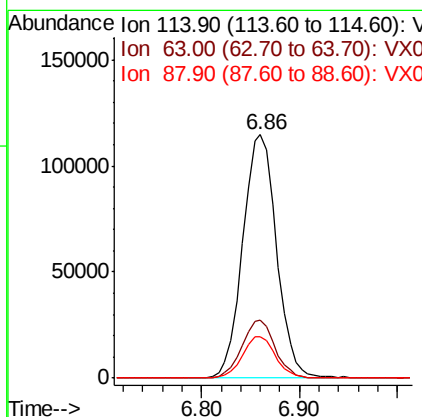
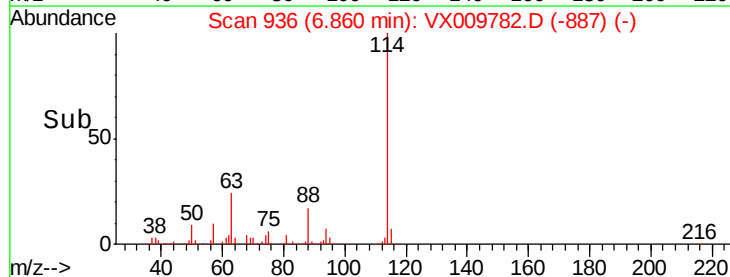
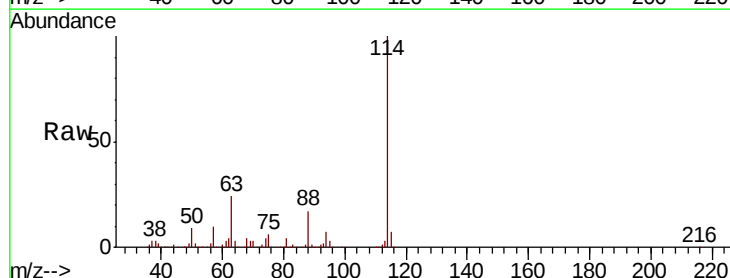
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16D_R2

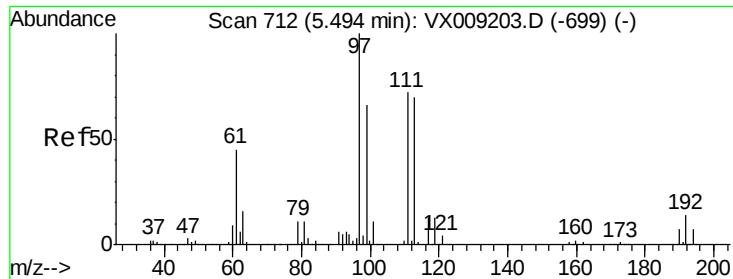
Tot Ion: 65 Resp: 117459
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009782.D
 Acq: 22 May 2019 05:47

Tgt Ion: 114 Resp: 274094
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.6
 88 17.0 0.0 33.2

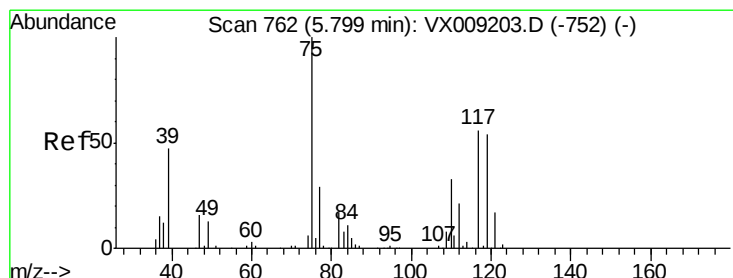
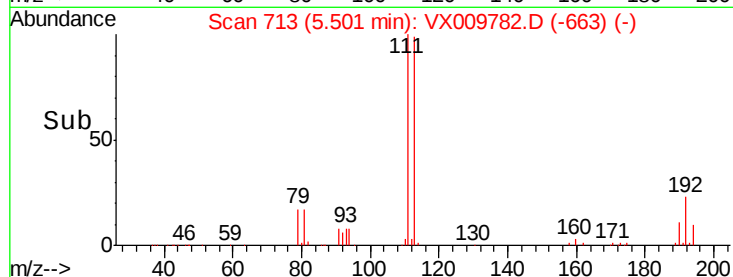
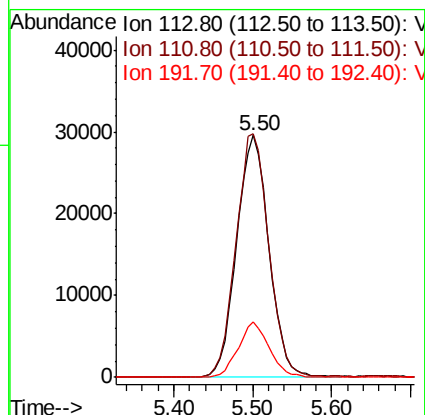
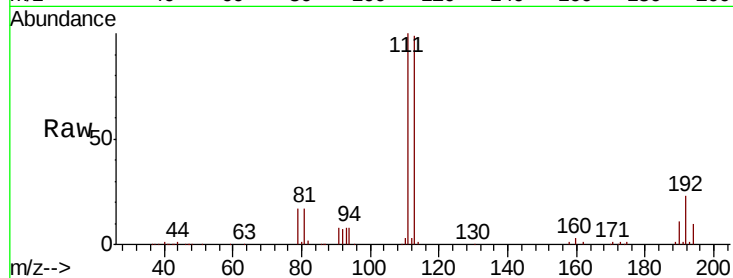




#35
 Dibromofluoromethane
 Concen: 48.859 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009782.D
 Acq: 22 May 2019 05:47

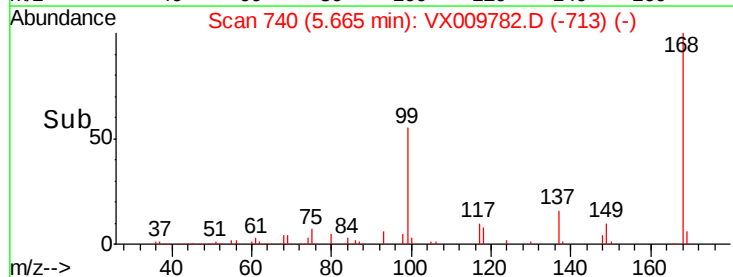
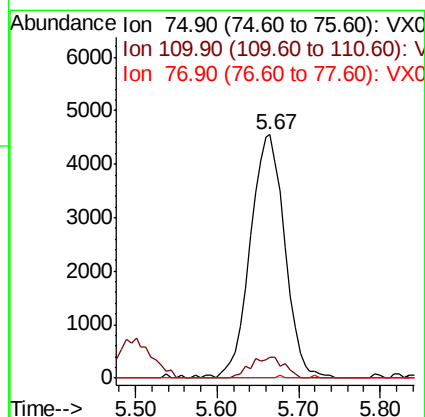
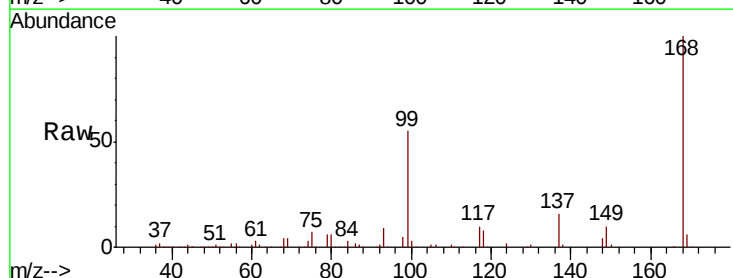
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16D_R2

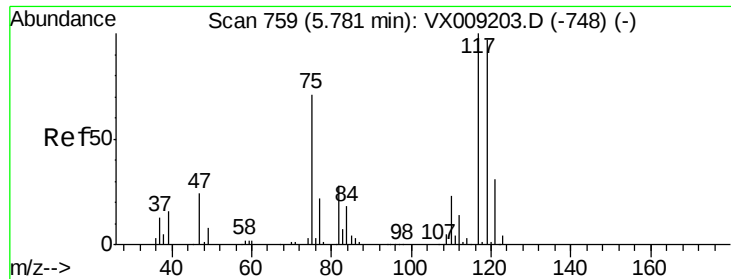
Tot Ion:113 Resp: 84187
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.283 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009782.D
 Acq: 22 May 2019 05:47

Tgt Ion: 75 Resp: 13457
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.034 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R2

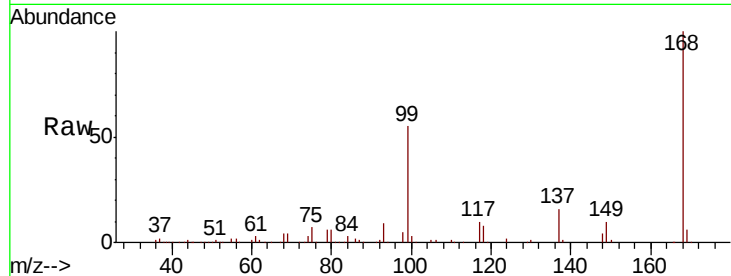
Tot Ion:117 Resp: 16278

Ion Ratio Lower Upper

117 100

119 3.9 77.5 116.3#

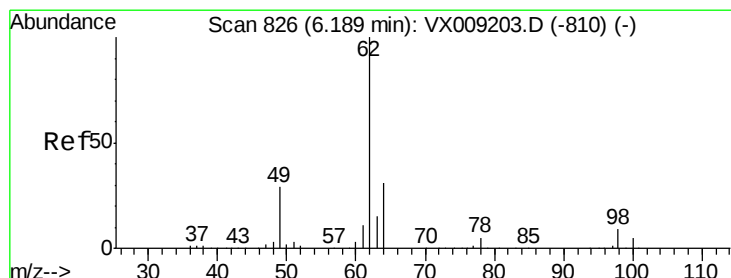
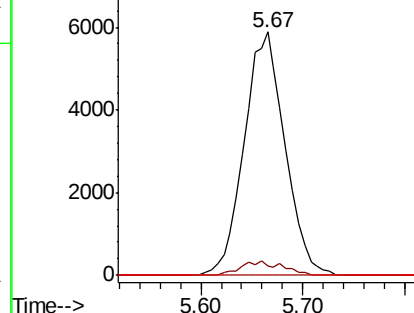
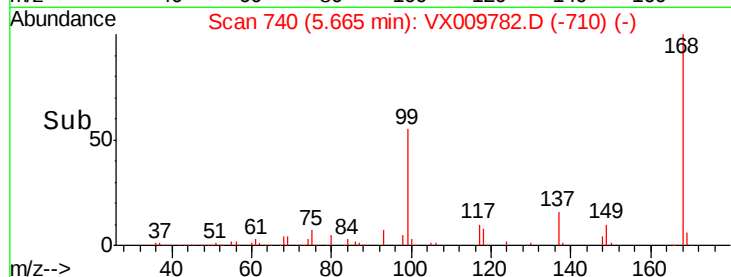
121 0.0 24.7 37.1#



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



#42

1,2-Dichloroethane

Concen: 0.365 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX009782.D

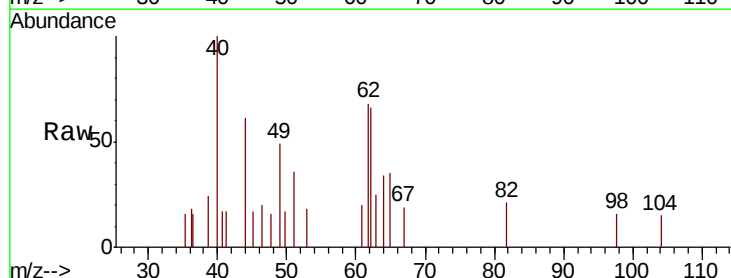
Acq: 22 May 2019 05:47

Tgt Ion: 62 Resp: 1033

Ion Ratio Lower Upper

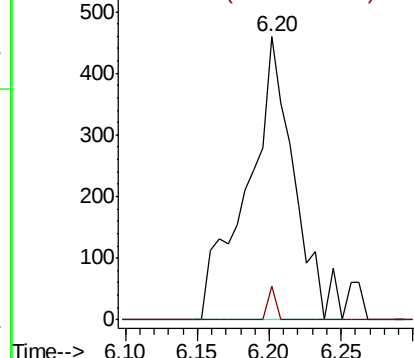
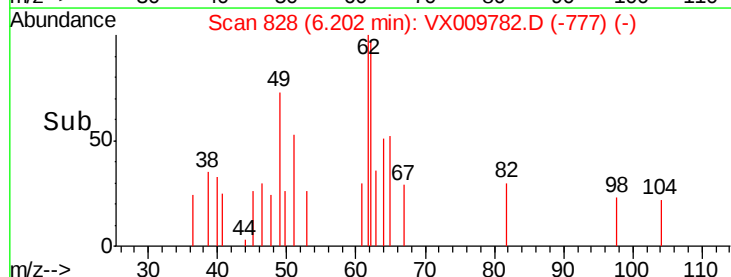
62 100

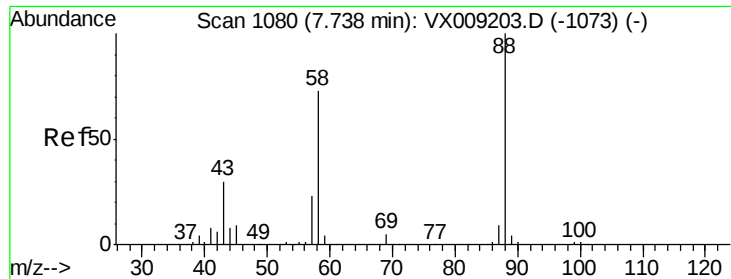
98 1.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 0.333 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. -0.27 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R2

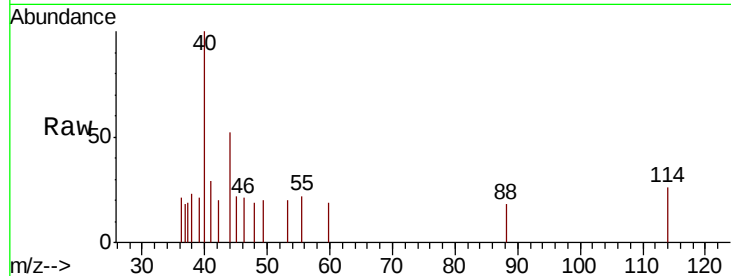
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 105.3 28.6 42.8#

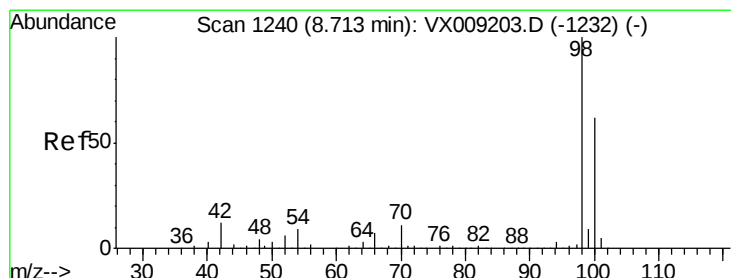
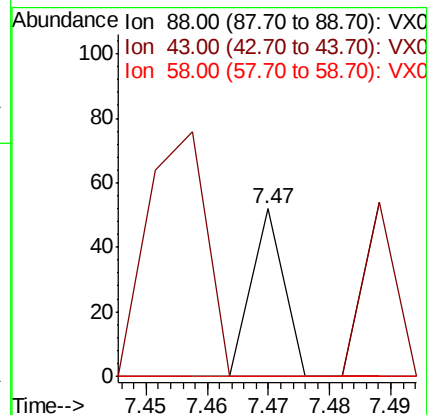
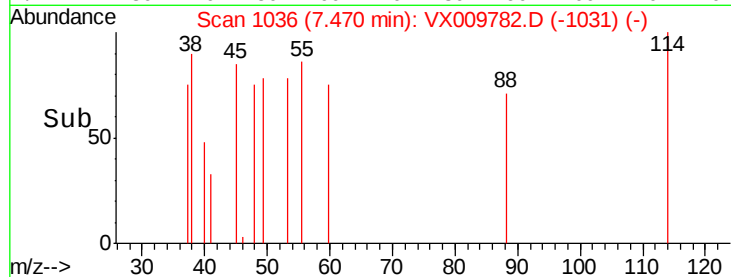
58 0.0 61.7 92.5#



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: 50.283 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009782.D

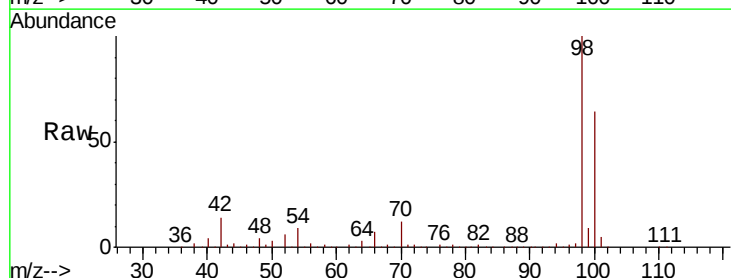
Acq: 22 May 2019 05:47

Tgt Ion: 98 Resp: 349789

Ion Ratio Lower Upper

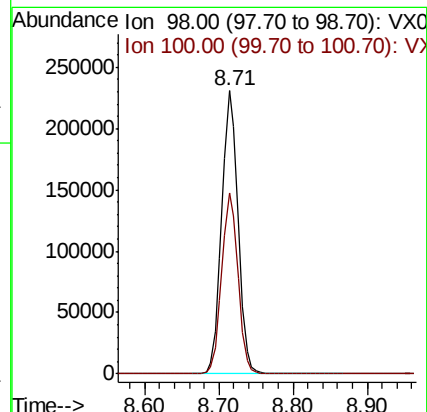
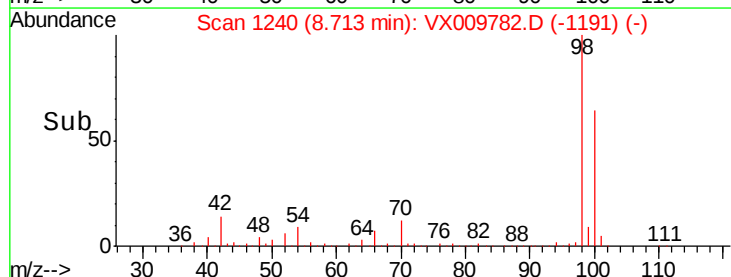
98 100

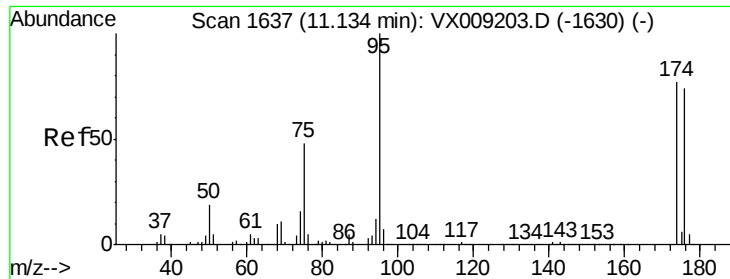
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.553 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R2

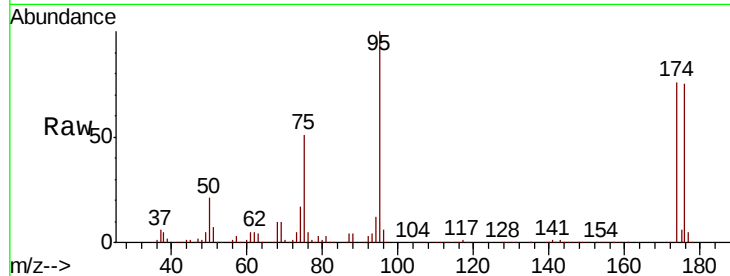
Tot Ion: 95 Resp: 117672

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

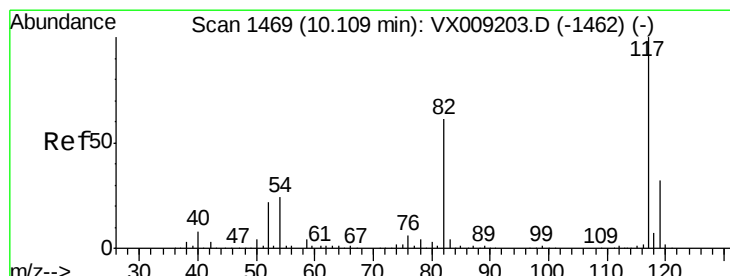
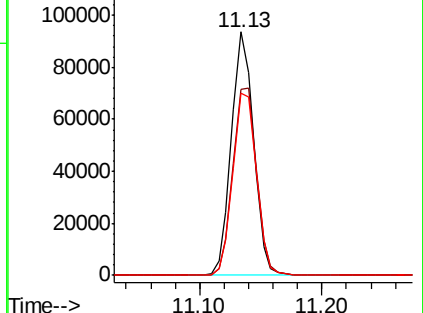
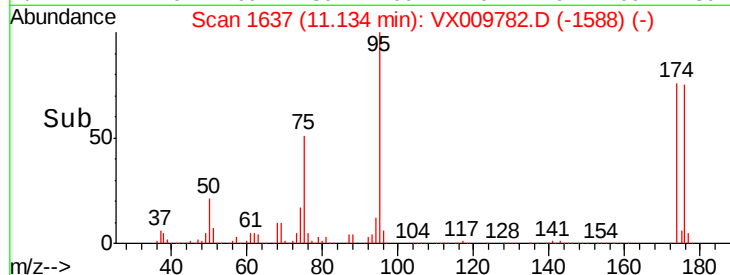
176 79.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009782.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009782.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009782.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

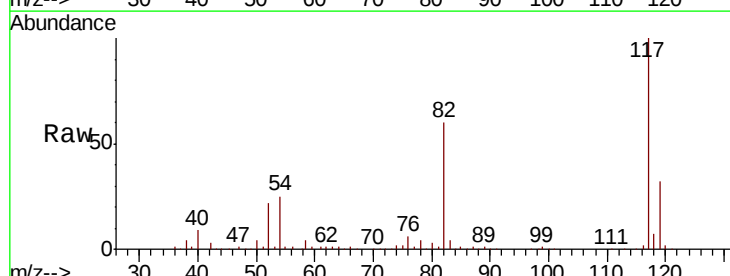
Tgt Ion: 117 Resp: 248226

Ion Ratio Lower Upper

117 100

82 60.2 48.8 73.2

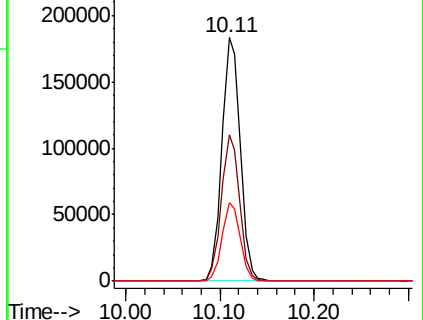
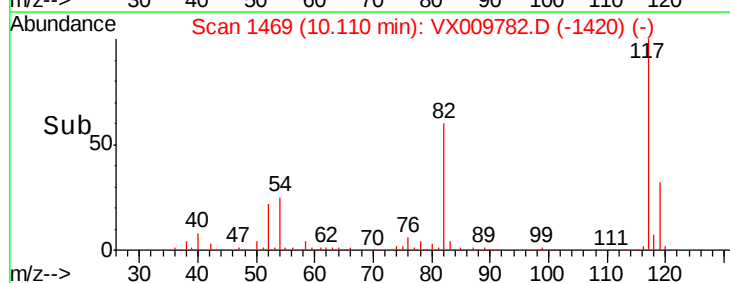
119 32.4 25.8 38.6

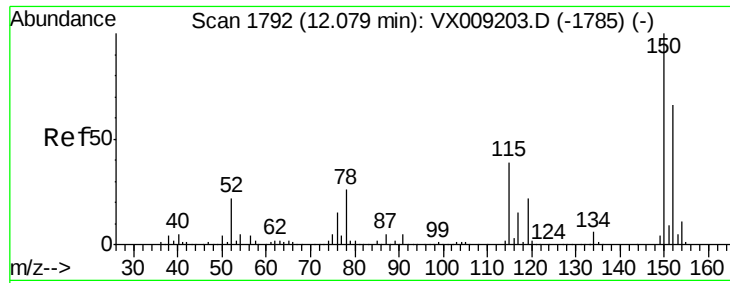


Abundance Ion 116.90 (116.60 to 117.60): VX009782.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009782.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009782.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R2

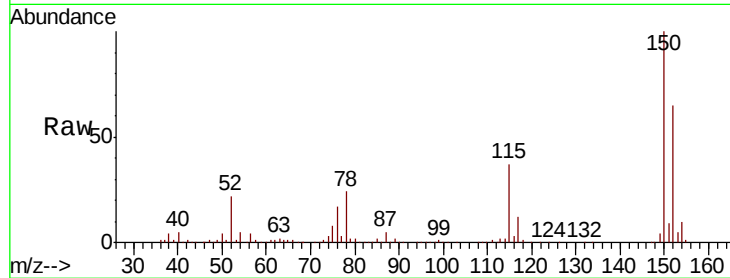
Tot Ion:152 Resp: 108818

Ion Ratio Lower Upper

152 100

115 57.6 41.2 123.6

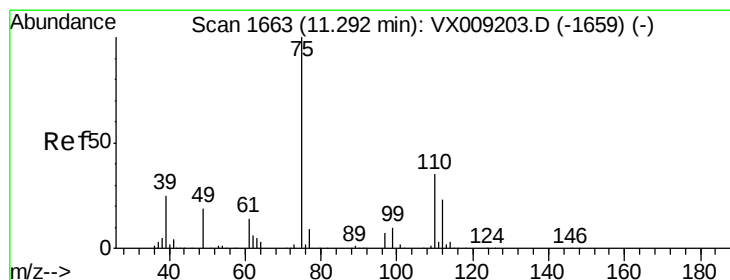
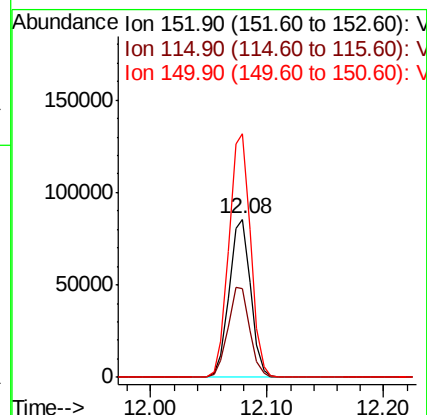
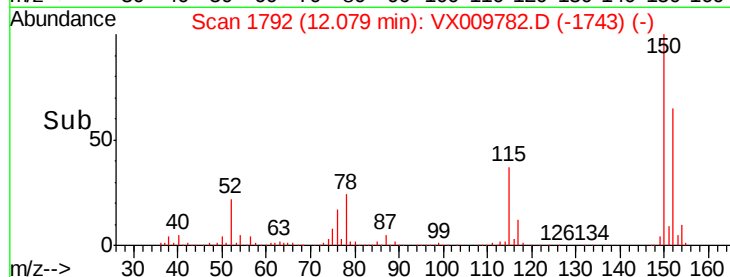
150 155.8 0.0 346.4



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: 23.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009782.D

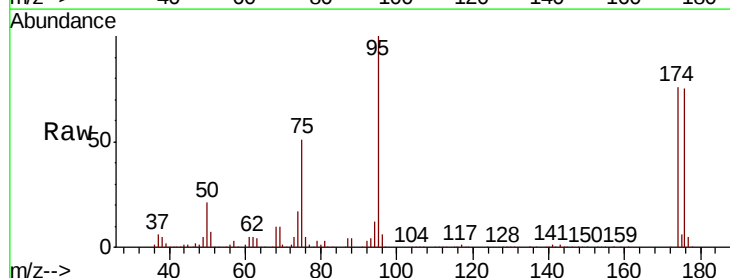
Acq: 22 May 2019 05:47

Tgt Ion: 75 Resp: 60140

Ion Ratio Lower Upper

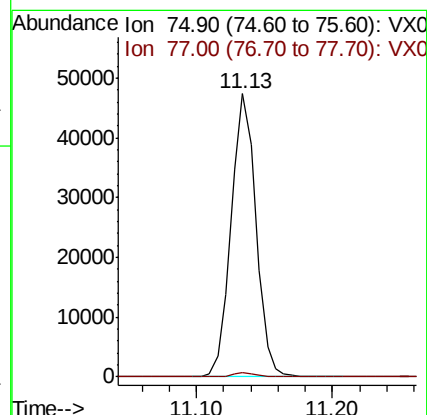
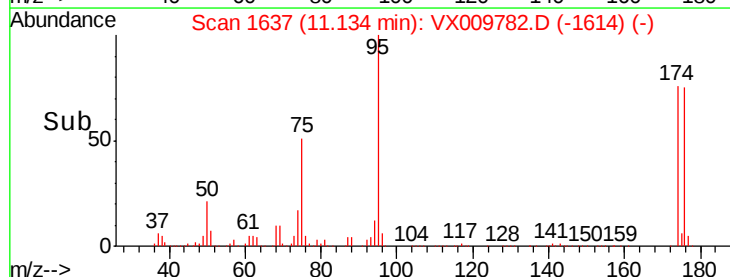
75 100

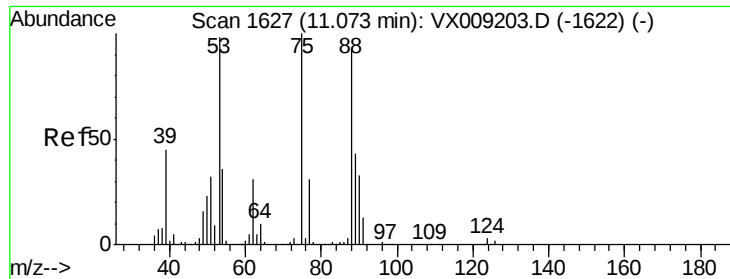
77 1.5 22.1 66.1#



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: 60.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009782.D

Acq: 22 May 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R2

Tot Ion: 75 Resp: 60140

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.1 34.7 52.1#

