

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008277.D
 Acq On : 21 Mar 2019 06:36
 Operator : JC/SP
 Sample : K1945-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T1-UV(PRE)

Quant Time: Mar 22 05:44:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	290602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	478852	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	400566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161399	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	203792	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
35) Dibromofluoromethane	5.50	113	157224	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.71	98	582379	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.13	95	184897	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

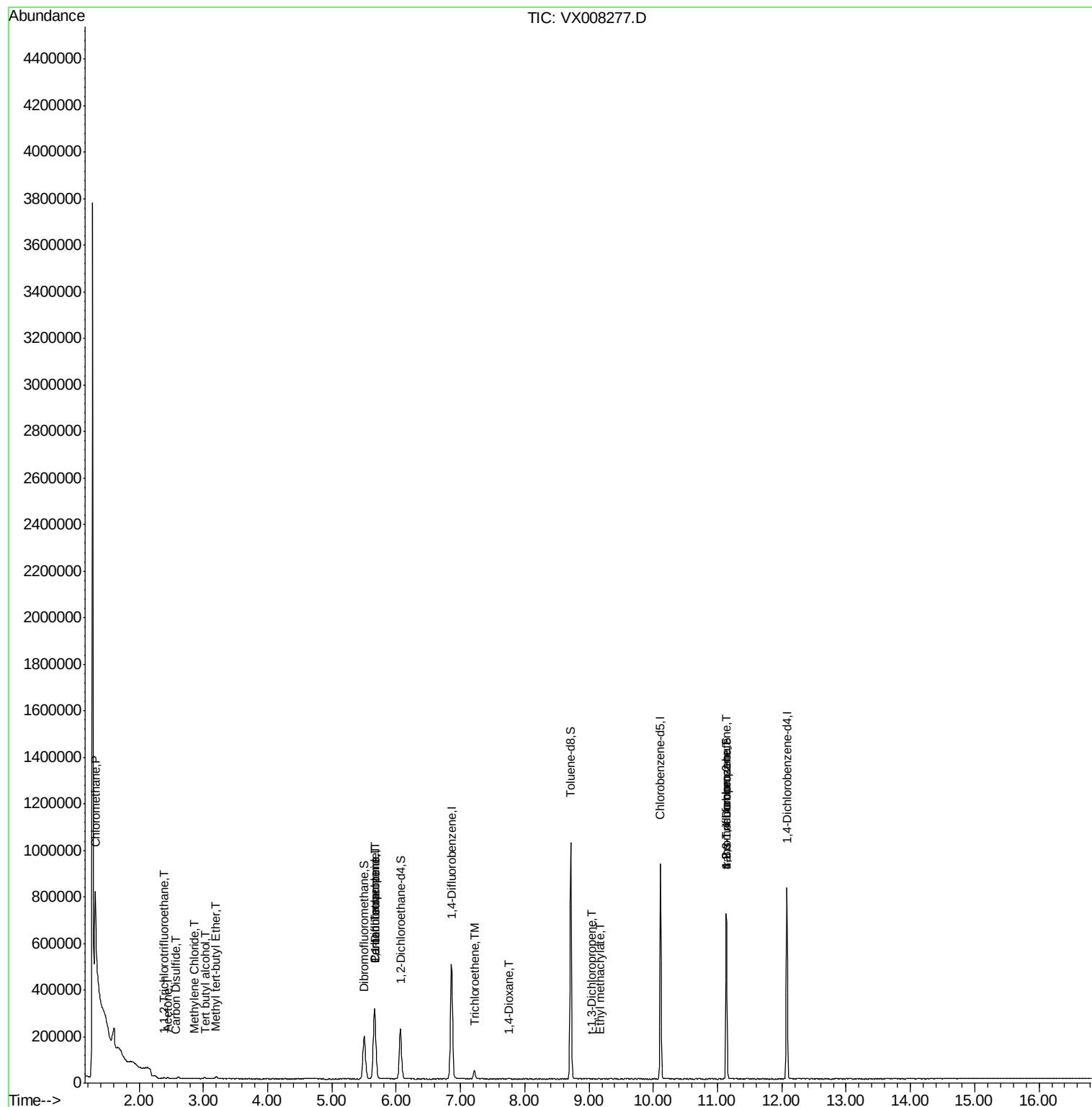
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	29065	6.574	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1720	0.461	ug/l #	87
11) Tert butyl alcohol	3.03	59	3569	3.809	ug/l #	73
13) Acrolein	2.29	56	168	Below Cal	#	55
16) Acetone	2.45	43	5143	2.072	ug/l	100
17) Carbon Disulfide	2.57	76	1128	0.772	ug/l #	67
19) Methyl tert-butyl Ether	3.20	73	12275	0.963	ug/l	99
20) Methylene Chloride	2.85	84	1244	0.301	ug/l #	80
36) 1,1-Dichloropropene	5.67	75	23389	4.195	ug/l #	50
38) Carbon Tetrachloride	5.67	117	27759	5.588	ug/l #	16
44) Trichloroethene	7.22	130	14016	3.474	ug/l	89
49) 1,4-Dioxane	7.75	88	1695	17.101	ug/l #	81
53) t-1,3-Dichloropropene	9.05	75	164	1.446	ug/l #	1
56) Ethyl methacrylate	9.16	69	276	0.565	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	96425	21.241	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	96425	54.031	ug/l #	11

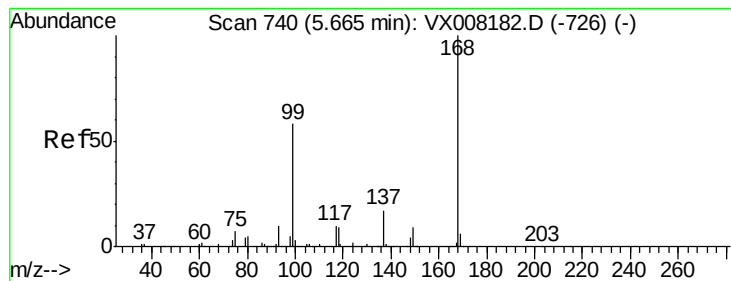
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

Instrument :

MSVOA_X

ClientSampleId :

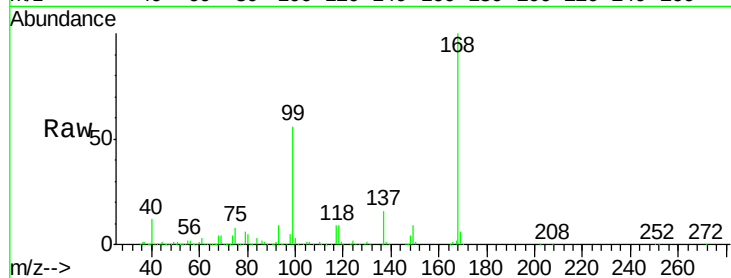
M4-T1-UV(PRE)

Tot Ion:168 Resp: 290602

Ion Ratio Lower Upper

168 100

99 56.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

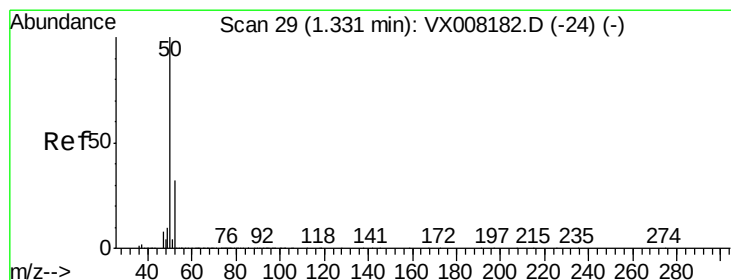
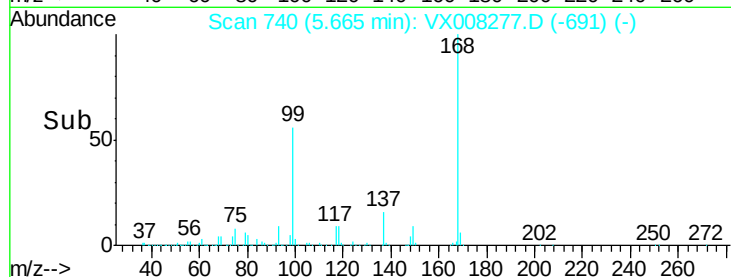
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 6.574 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX008277.D

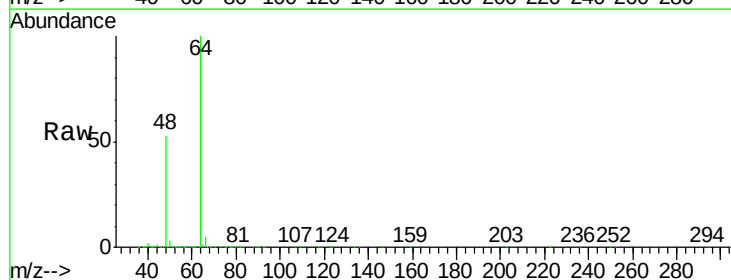
Acq: 21 Mar 2019 06:36

Tgt Ion: 50 Resp: 29065

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

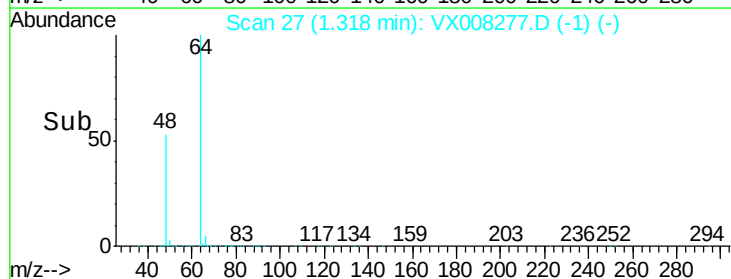
60000

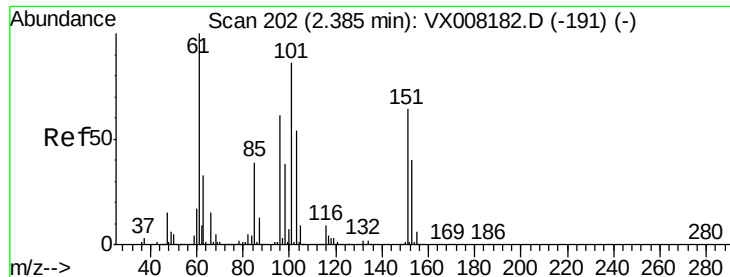
40000

20000

0

Time--> 1.25 1.30 1.35 1.40





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.461 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

Instrument :

MSVOA_X

ClientSampleId :

M4-T1-UV(PRE)

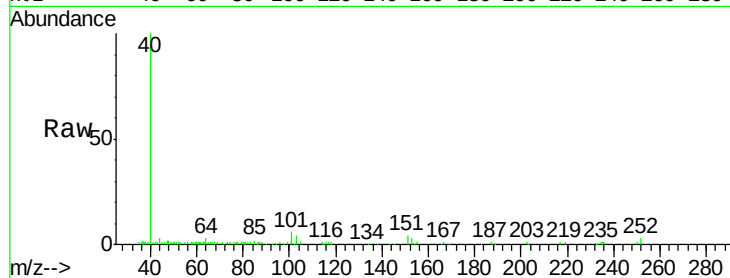
Tot Ion:101 Resp: 1720

Ion Ratio Lower Upper

101 100

85 42.5 33.8 50.6

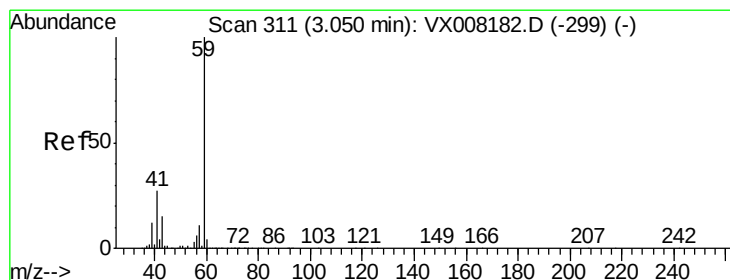
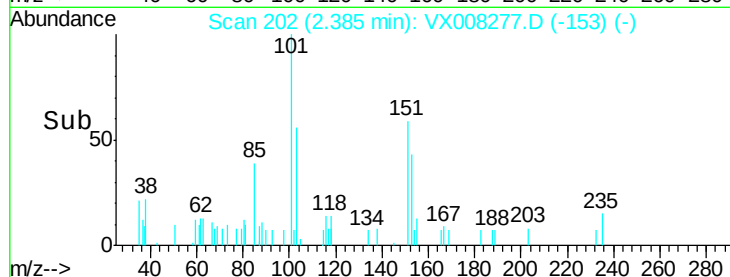
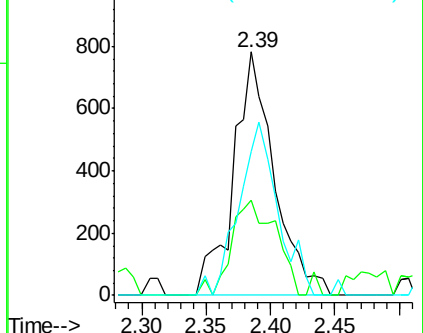
151 68.1 69.1 103.7#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 3.809 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX008277.D

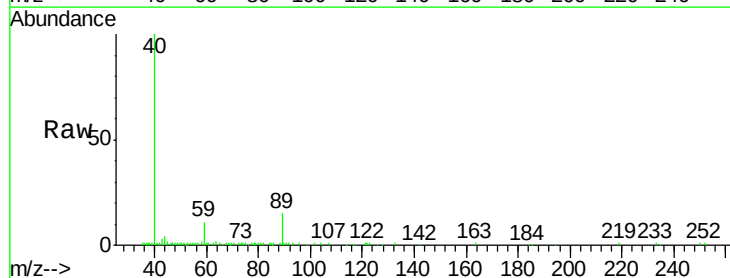
Acq: 21 Mar 2019 06:36

Tgt Ion: 59 Resp: 3569

Ion Ratio Lower Upper

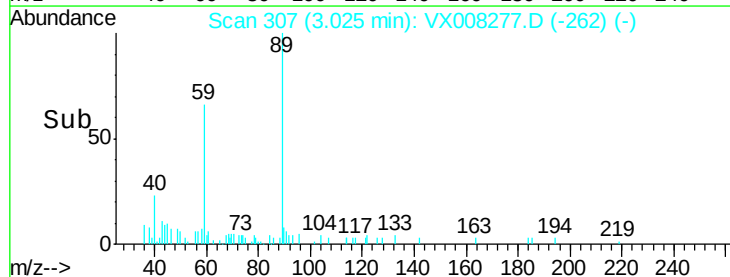
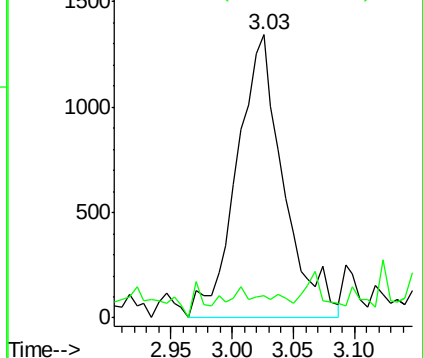
59 100

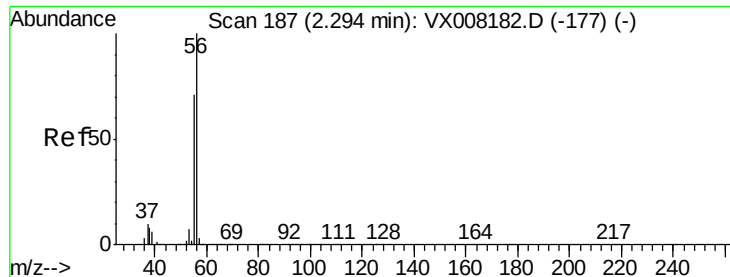
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

Instrument :

MSVOA_X

ClientSampleId :

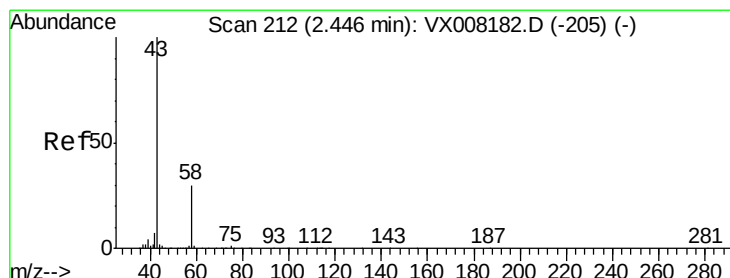
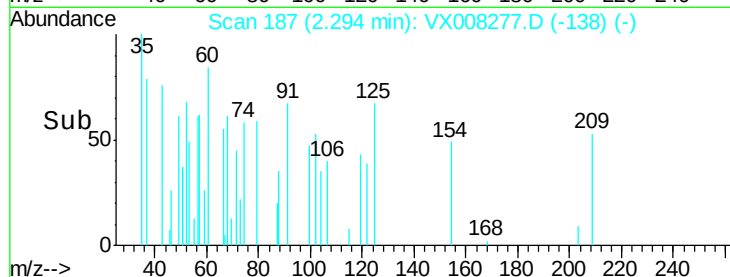
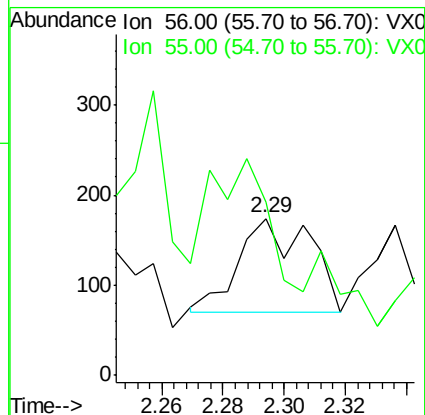
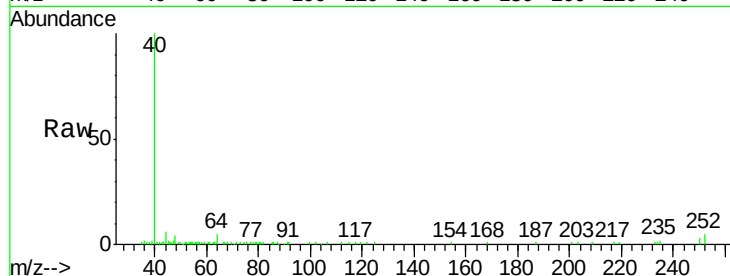
M4-T1-UV(PRE)

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 109.5 57.8 86.6#



#16

Acetone

Concen: 2.072 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008277.D

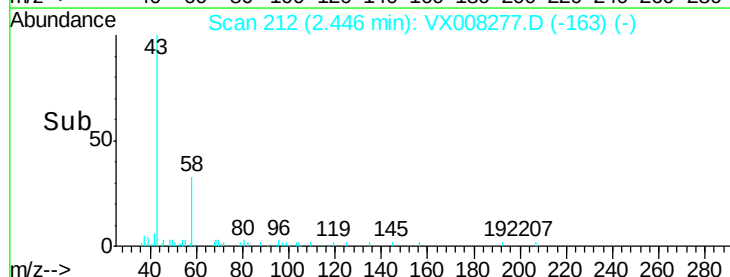
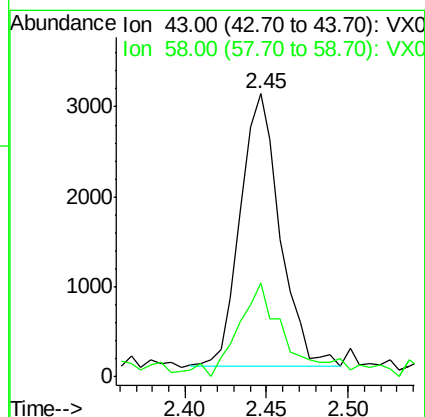
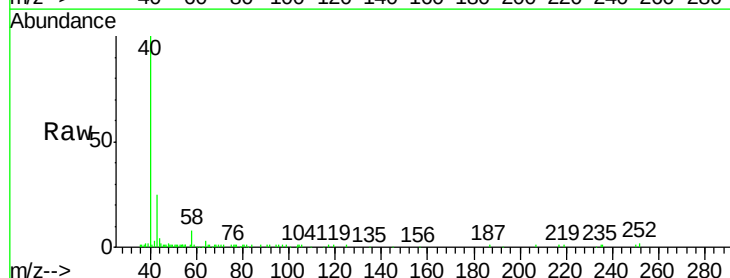
Acq: 21 Mar 2019 06:36

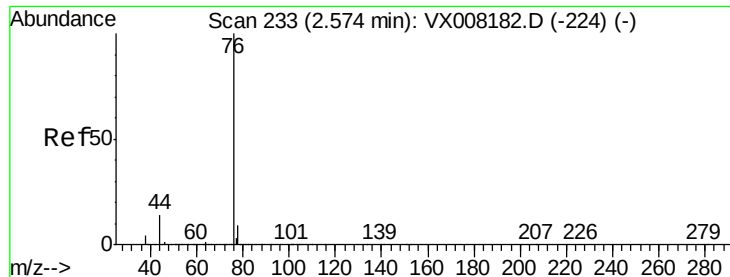
Tgt Ion: 43 Resp: 5143

Ion Ratio Lower Upper

43 100

58 31.9 25.5 38.3





#17

Carbon Disulfide

Concen: 0.772 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

Instrument :

MSVOA_X

ClientSampleId :

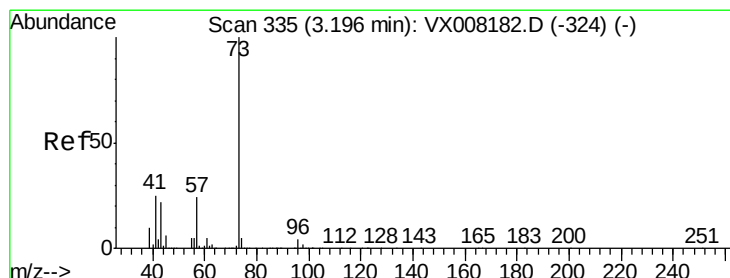
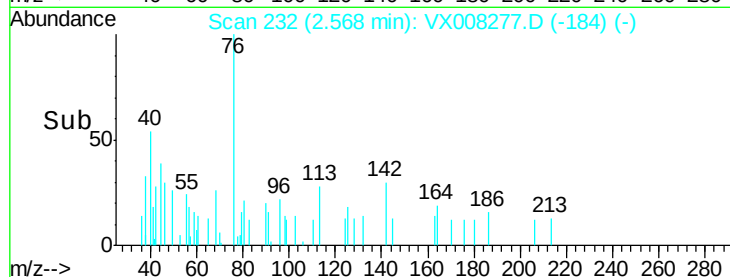
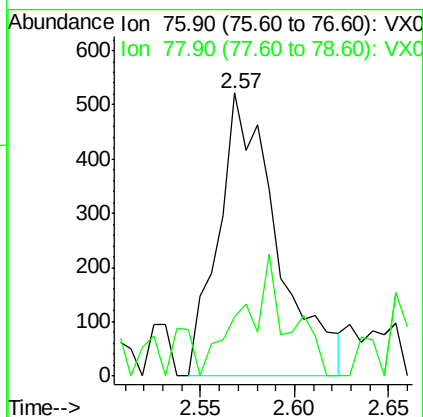
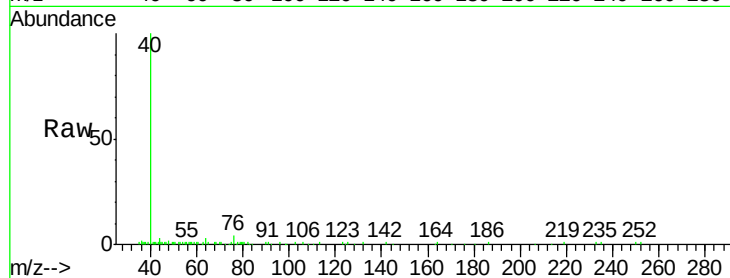
M4-T1-UV(PRE)

Tot Ion: 76 Resp: 1128

Ion Ratio Lower Upper

76 100

78 20.9 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 0.963 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX008277.D

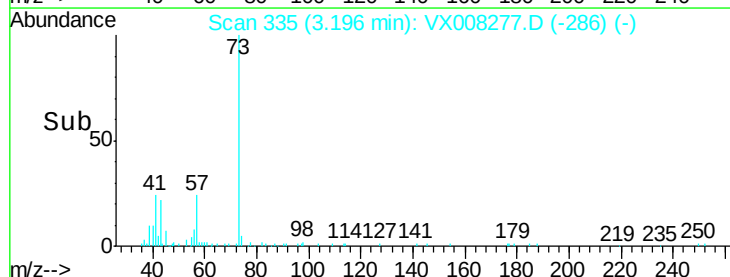
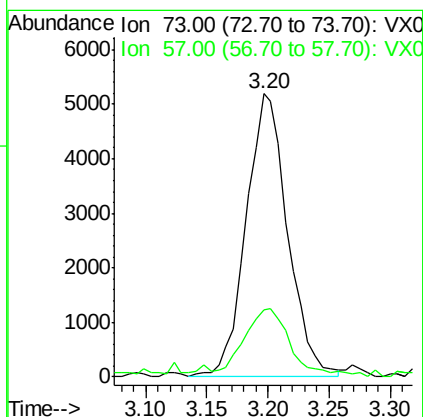
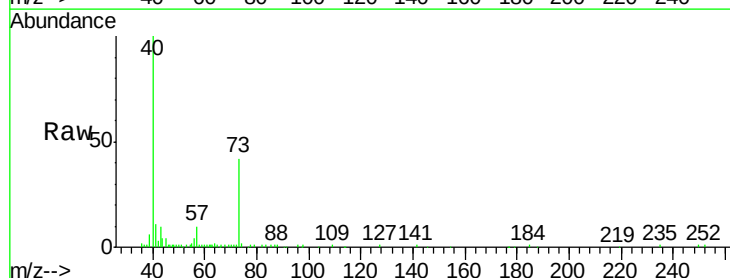
Acq: 21 Mar 2019 06:36

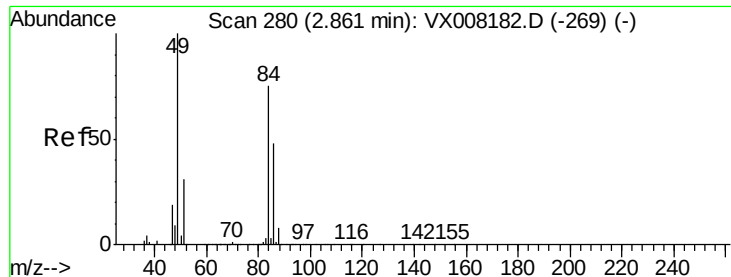
Tgt Ion: 73 Resp: 12275

Ion Ratio Lower Upper

73 100

57 22.4 18.2 27.4

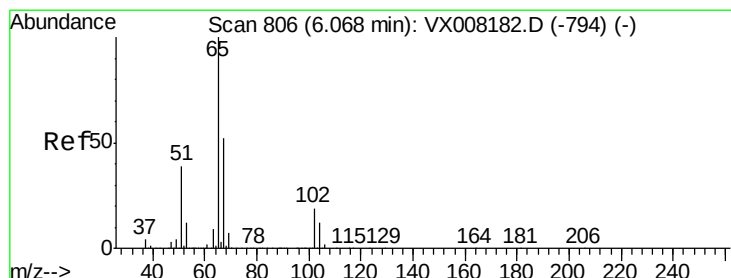
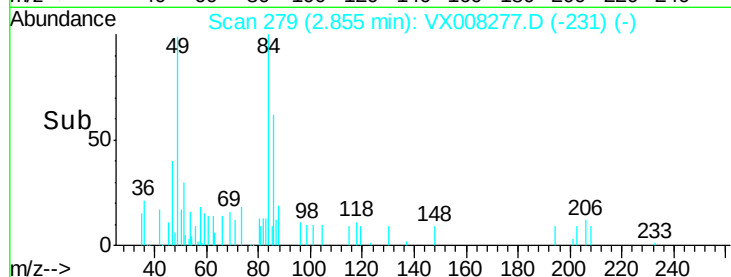
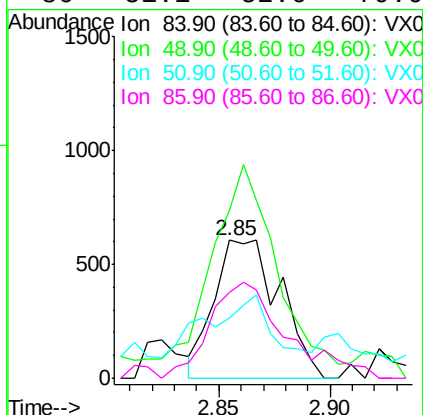
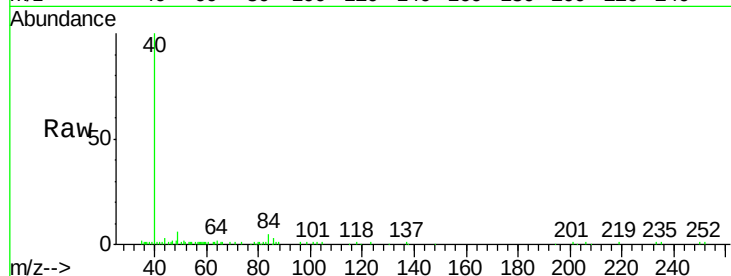




#20
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

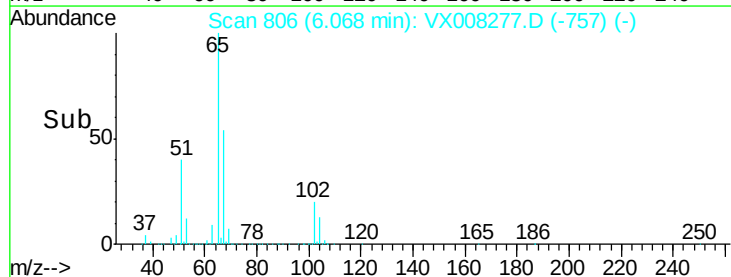
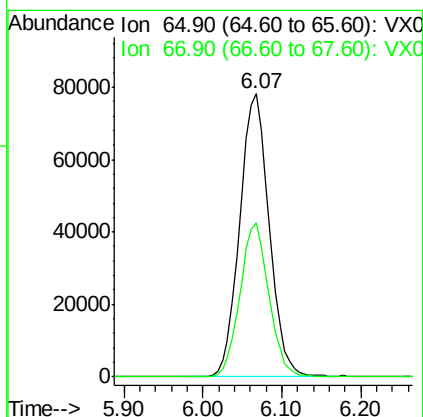
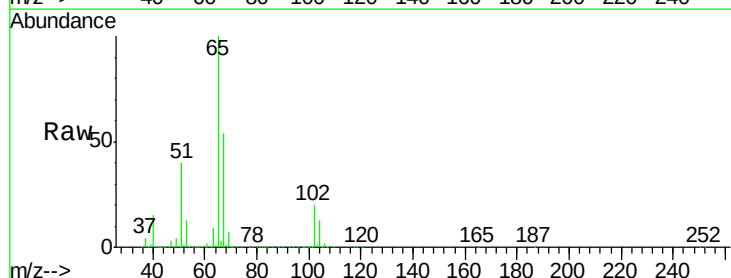
Instrument :
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M4-T1-UV(PRE)

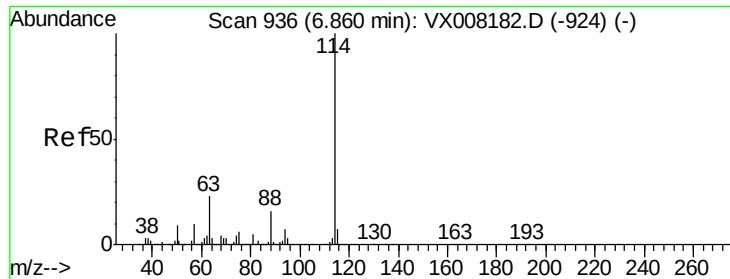
Tot Ion: 84 Resp: 1244
Ion Ratio Lower Upper
84 100
49 110.9 99.3 148.9
51 10.7 31.3 46.9#
86 51.1 52.6 79.0#



#33
1,2-Dichloroethane-d4
Concen: 46.563 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

Tgt Ion: 65 Resp: 203792
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.0

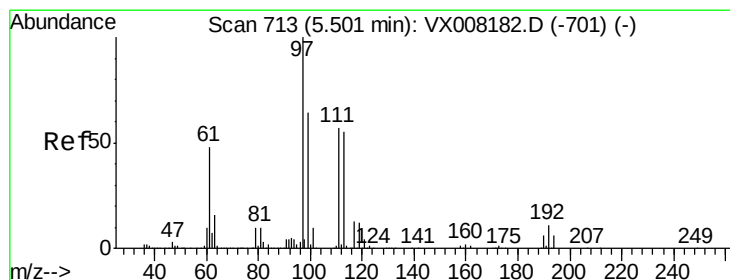
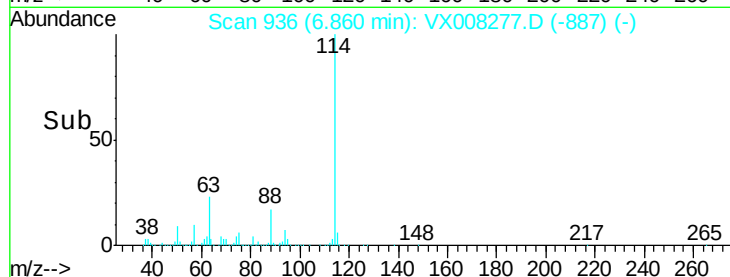
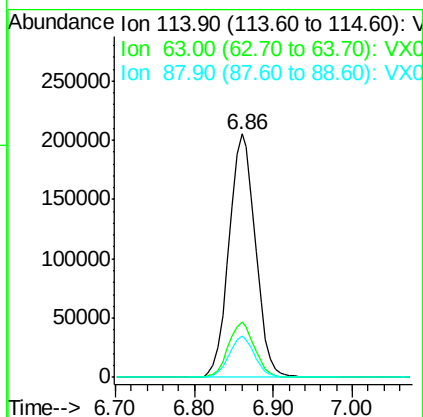
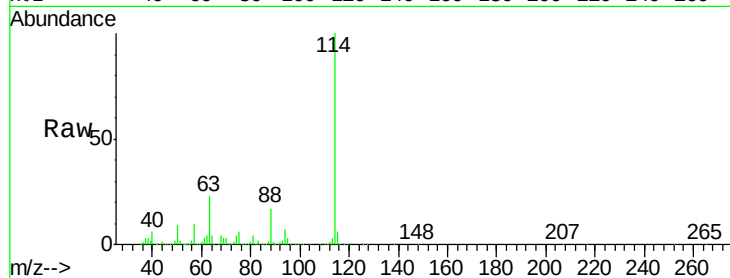




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

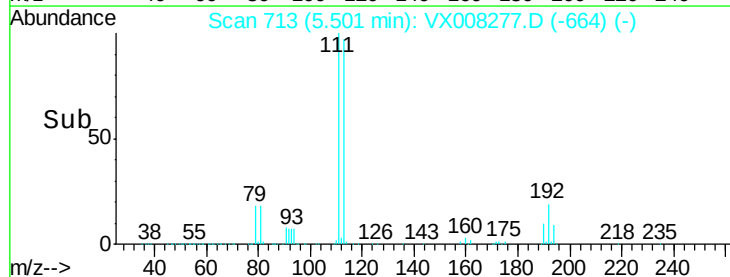
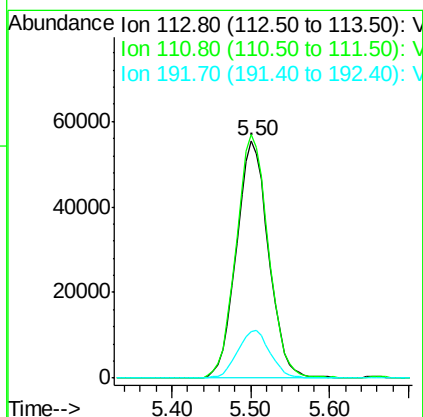
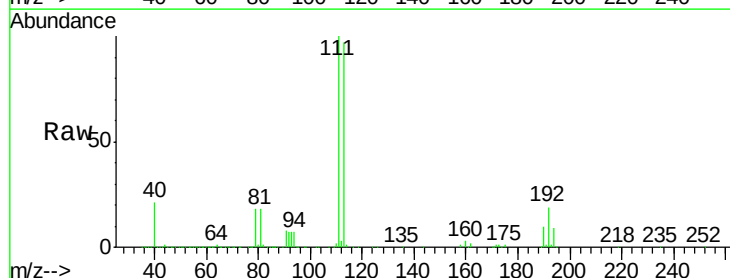
Instrument :
MSVOA_X
ClientSampleId :
M4-T1-UV(PRE)

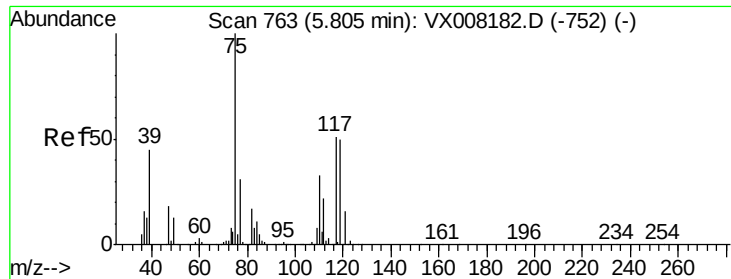
Tot Ion:114 Resp: 478852
Ion Ratio Lower Upper
114 100
63 22.8 0.0 39.8
88 16.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.047 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

Tgt Ion:113 Resp: 157224
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 20.5 19.4 29.0

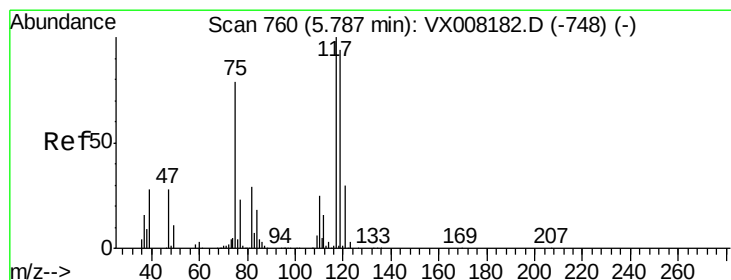
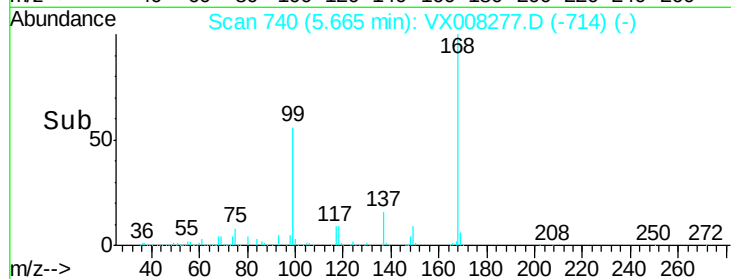
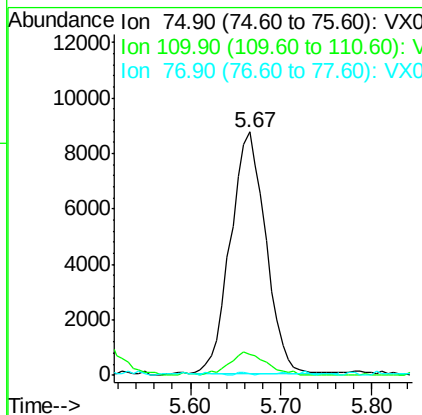
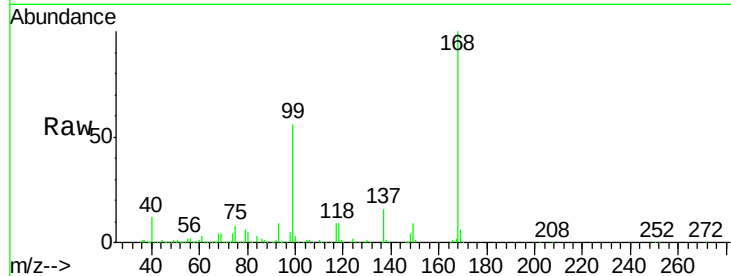




#36
 1,1-Dichloropropene
 Concen: 4.195 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.14 min
 Lab File: VX008277.D
 Acq: 21 Mar 2019 06:36

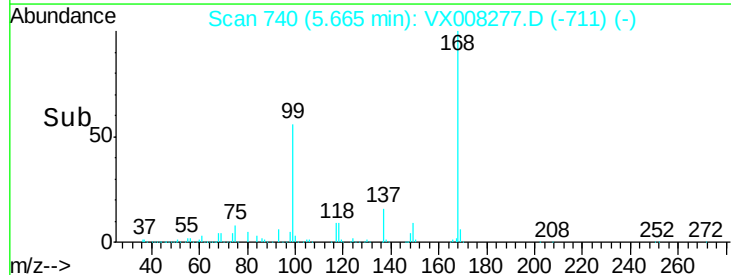
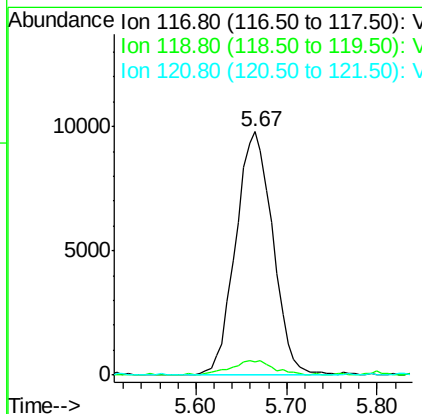
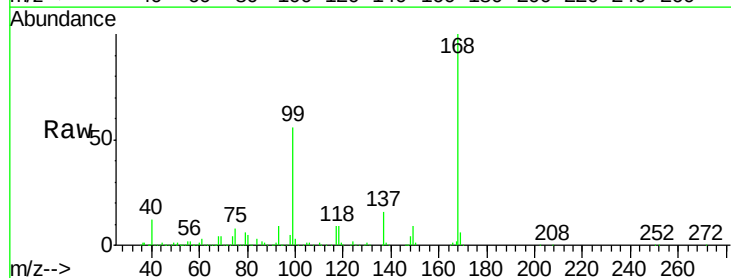
Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T1-UV(PRE)

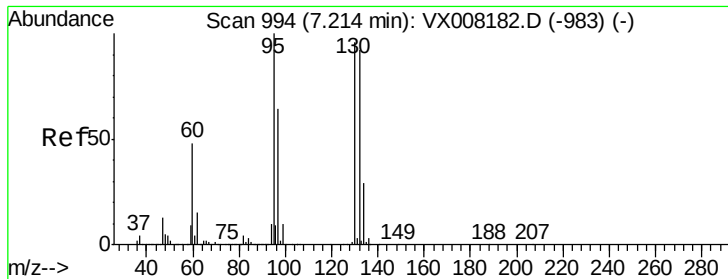
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.4	55.0#
77	0.4	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.588 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008277.D
 Acq: 21 Mar 2019 06:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.2	114.2#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 3.474 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

Instrument :

MSVOA_X

ClientSampleId :

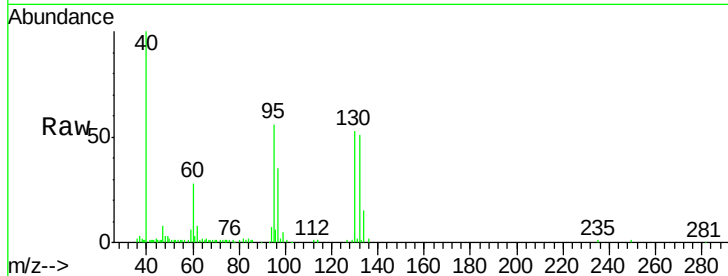
M4-T1-UV(PRE)

Tot Ion:130 Resp: 14016

Ion Ratio Lower Upper

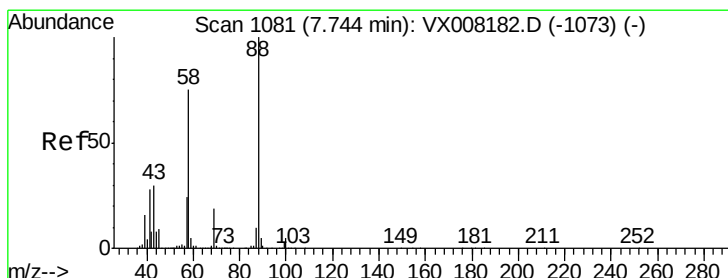
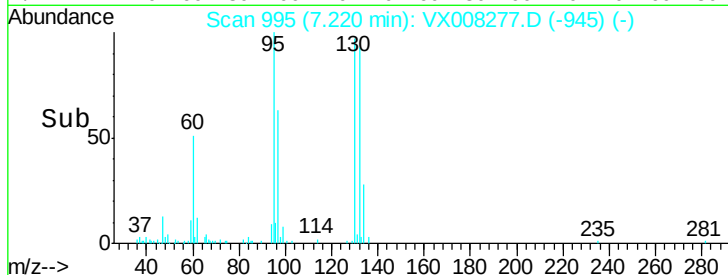
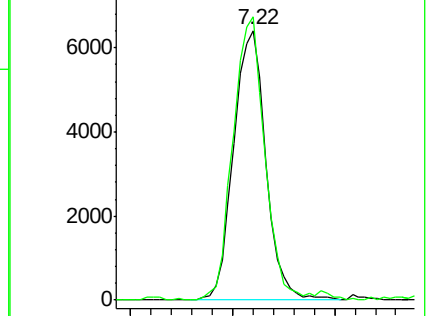
130 100

95 105.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 17.101 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

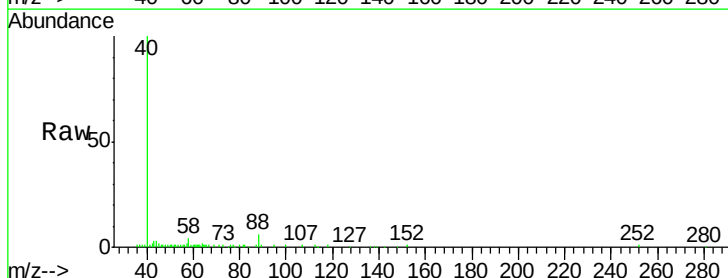
Tgt Ion: 88 Resp: 1695

Ion Ratio Lower Upper

88 100

43 28.1 25.1 37.7

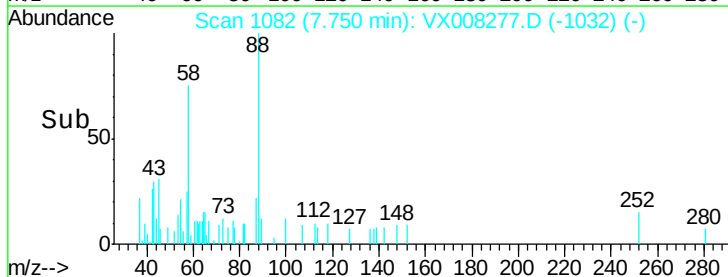
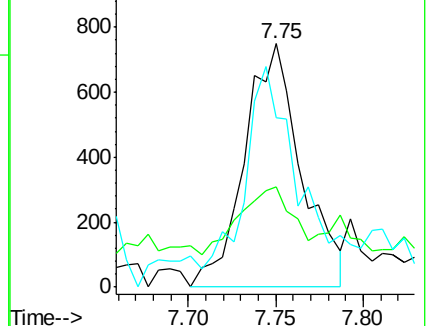
58 92.3 57.8 86.6#

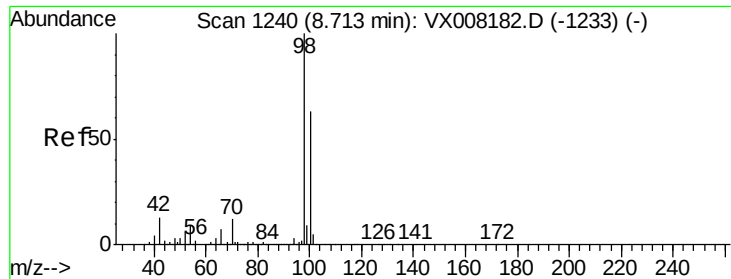


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

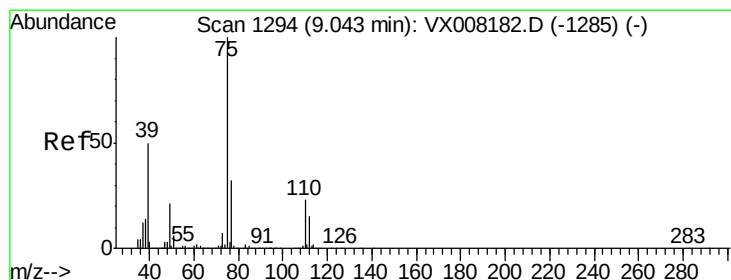
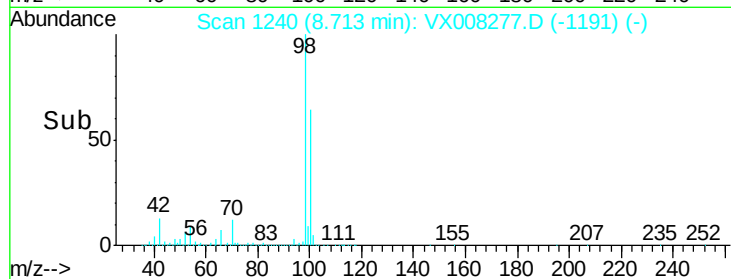
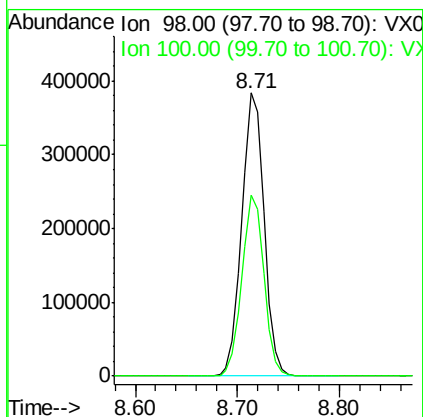
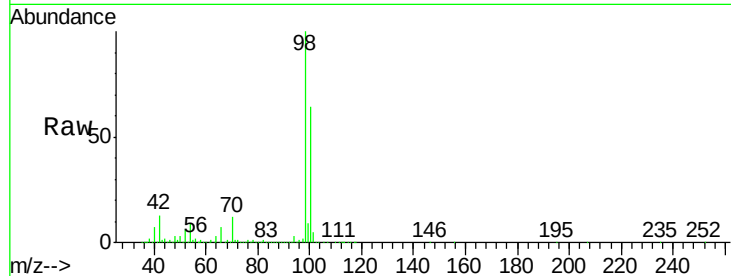




#50
Toluene-d8
Concen: 47.918 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

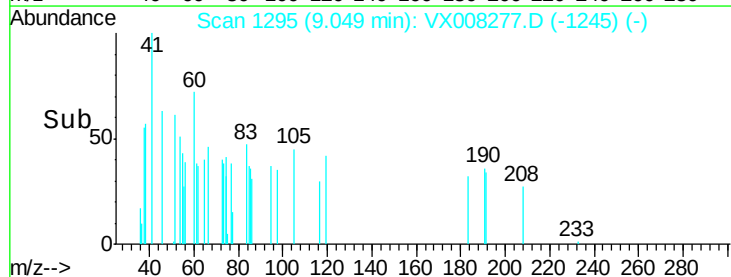
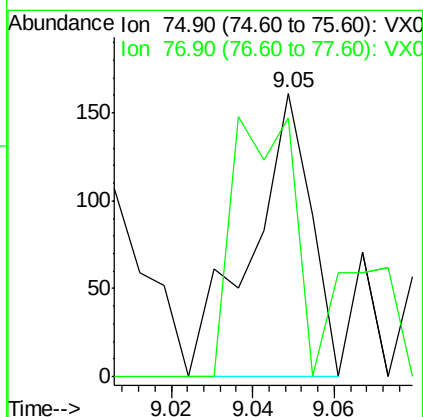
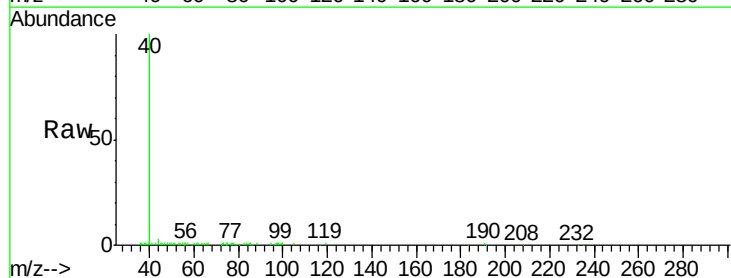
Instrument :
MSVOA_X
ClientSampleId :
M4-T1-UV(PRE)

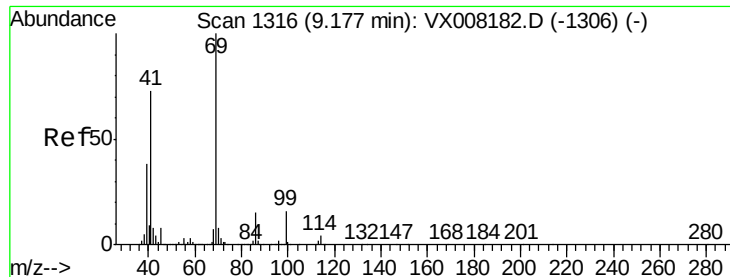
Tot Ion: 98 Resp: 582379
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.446 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

Tgt Ion: 75 Resp: 164
Ion Ratio Lower Upper
75 100
77 91.3 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.565 ug/l

RT: 9.16 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

Instrument :

MSVOA_X

ClientSampleId :

M4-T1-UV(PRE)

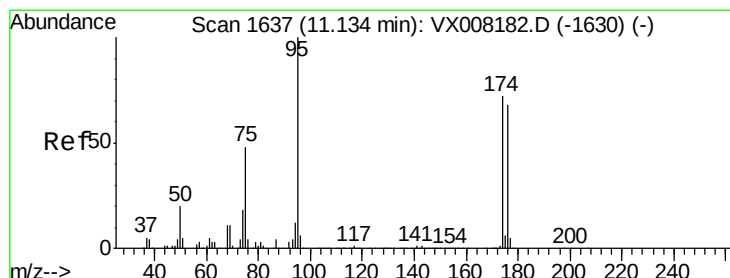
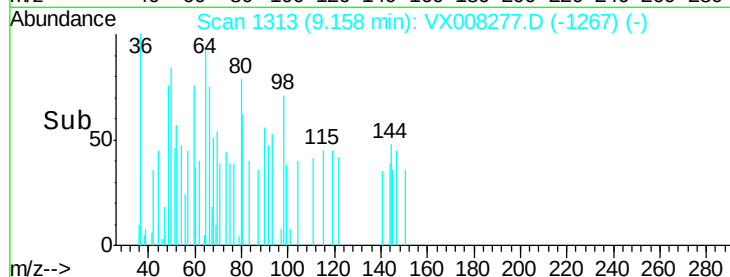
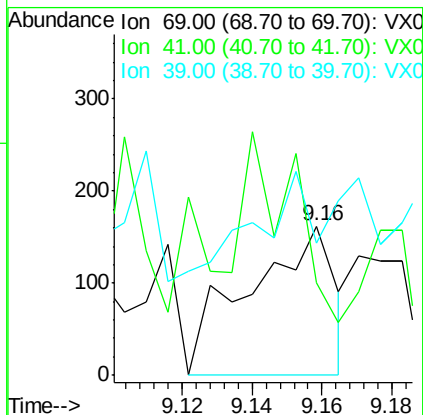
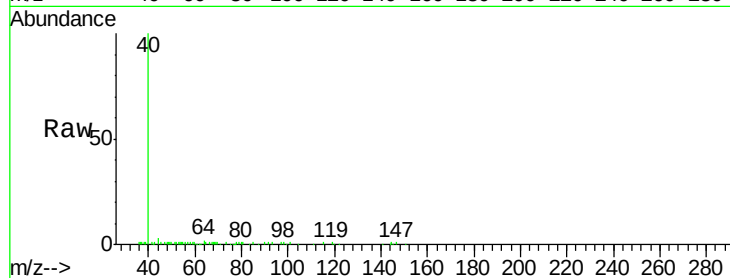
Tot Ion: 69 Resp: 276

Ion Ratio Lower Upper

69 100

41 129.0 54.2 81.4#

39 37.7 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 44.184 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008277.D

Acq: 21 Mar 2019 06:36

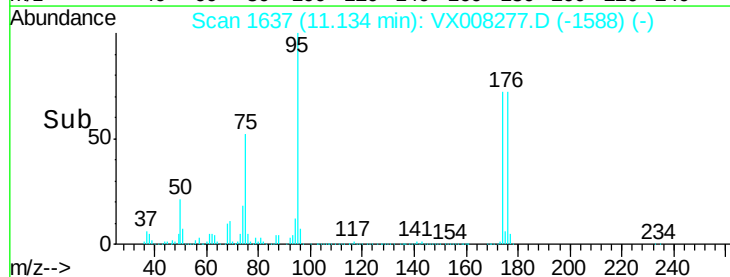
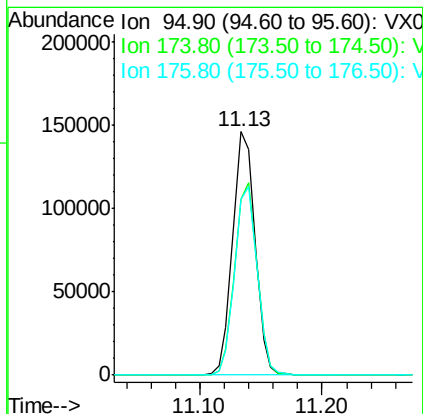
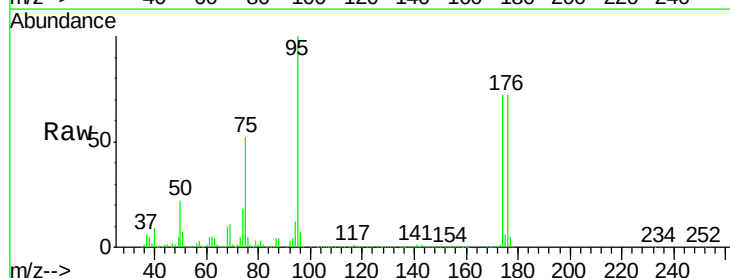
Tgt Ion: 95 Resp: 184897

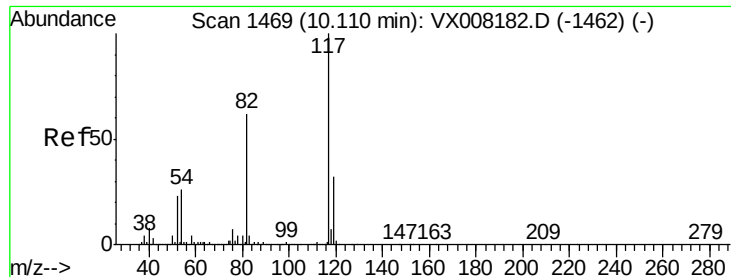
Ion Ratio Lower Upper

95 100

174 78.9 0.0 182.8

176 77.8 0.0 178.0

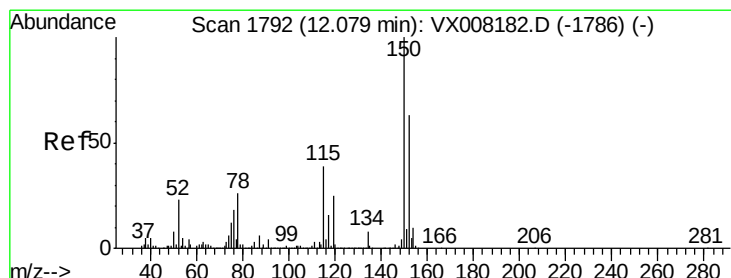
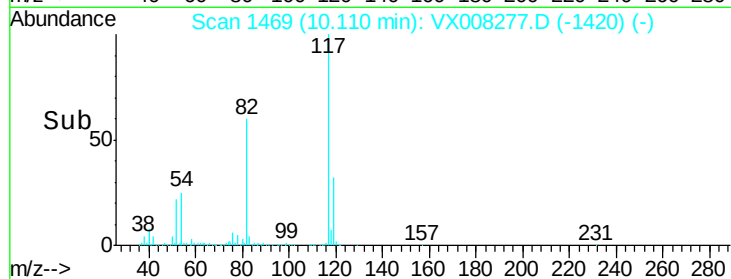
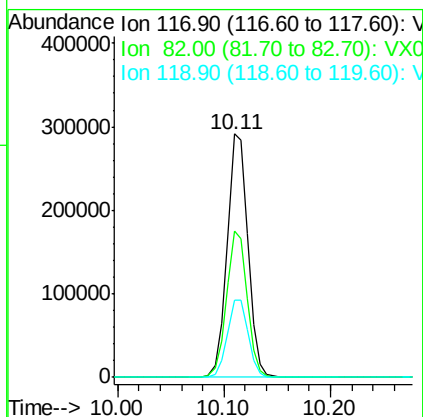
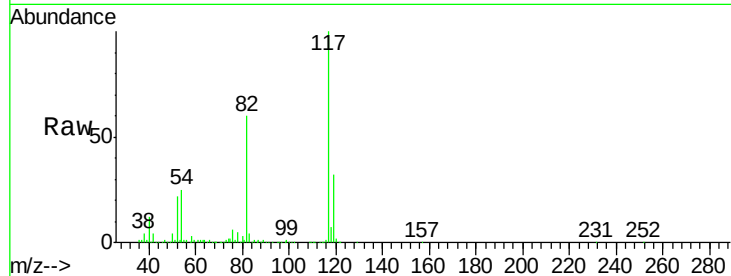




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

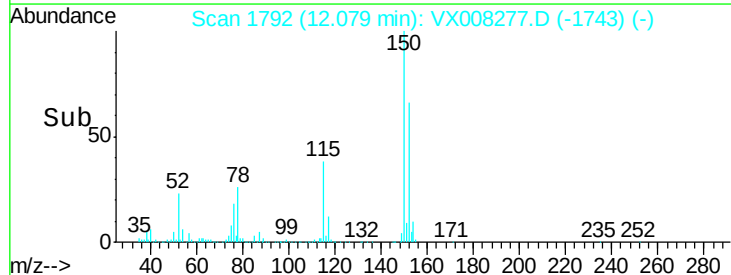
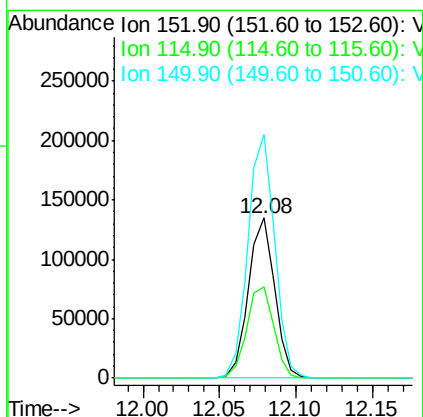
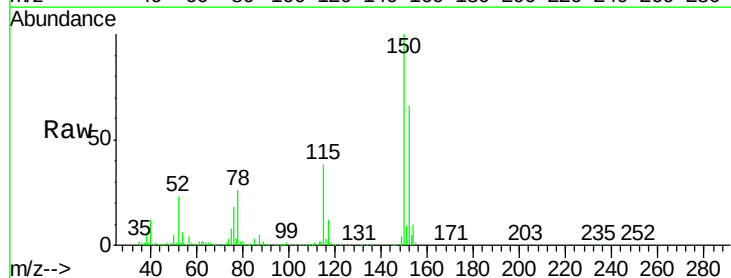
Instrument :
MSVOA_X
ClientSampleId :
M4-T1-UV(PRE)

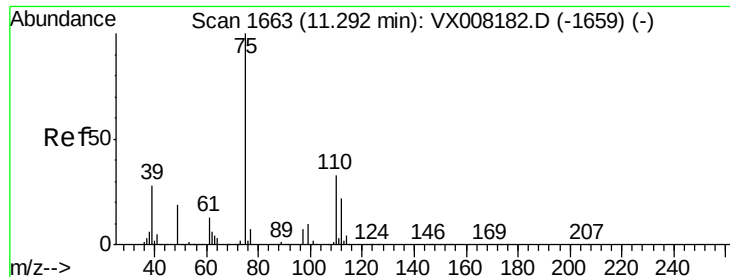
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	44.3	66.5
119	31.8	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008277.D
Acq: 21 Mar 2019 06:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	38.6	115.7
150	154.8	0.0	348.4

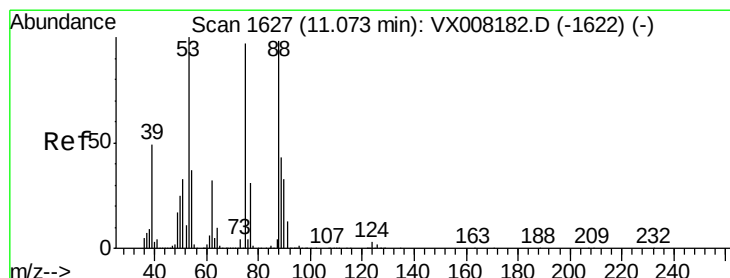
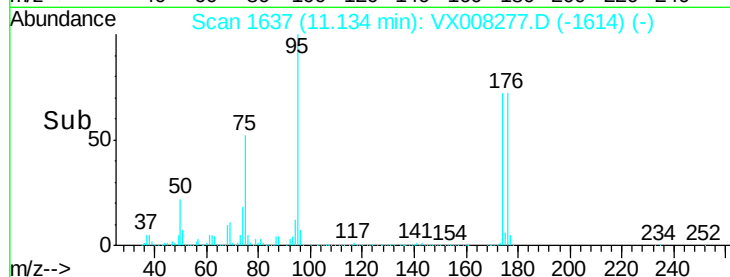
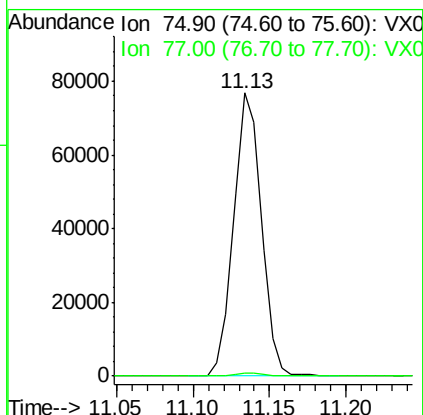
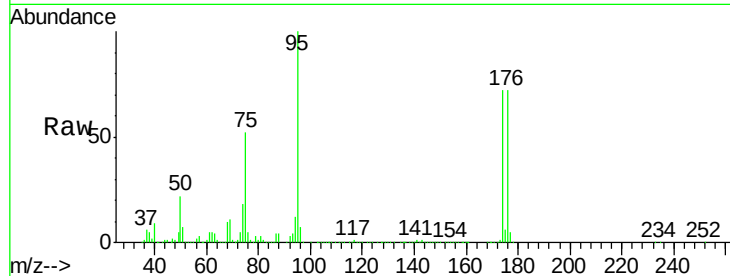




#76
 1,2,3-Trichloropropane
 Concen: 21.241 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008277.D
 Acq: 21 Mar 2019 06:36

Instrument :
 MSVOA_X
 ClientSampleId :
 M4-T1-UV(PRE)

Tot Ion: 75 Resp: 96425
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.031 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008277.D
 Acq: 21 Mar 2019 06:36

Tgt Ion: 75 Resp: 96425
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.3 54.5#

