

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015175.D
 Acq On : 10 Mar 2020 16:49
 Operator : JC/SP
 Sample : L1842-10DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:31:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	534130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	522392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268791	50.00	ug/l	0.00

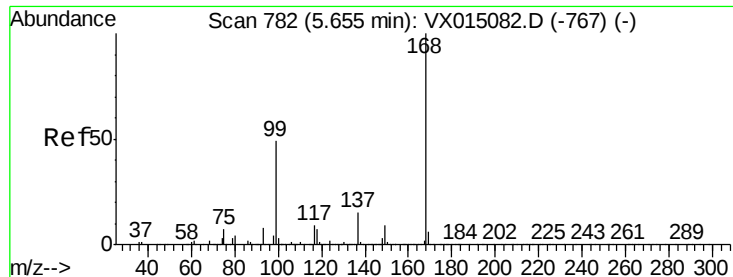
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	206922	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	5.49	113	171700	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.71	98	661337	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.14	95	242219	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3534	1.153	ug/l	96
11) Tert butyl alcohol	3.01	59	897	1.338	ug/l #	87
12) 1,1-Dichloroethene	2.36	96	1188	0.375	ug/l #	44
13) Acrolein	2.28	56	237	0.376	ug/l #	1
16) Acetone	2.44	43	1030	0.658	ug/l	99
20) Methylene Chloride	2.85	84	1293	0.353	ug/l #	59
29) Tetrahydrofuran	5.13	42	348	0.236	ug/l #	32
30) Chloroform	5.21	83	1275	0.214	ug/l #	57
31) Cyclohexane	5.65	56	7187	1.321	ug/l #	18
36) 1,1-Dichloropropene	5.65	75	23481	4.755	ug/l #	53
38) Carbon Tetrachloride	5.65	117	29491	6.327	ug/l #	15
44) Trichloroethene	7.21	130	152959	37.491	ug/l	94
49) 1,4-Dioxane	7.76	88	283	3.192	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1073	0.225	ug/l #	36
76) 1,2,3-Trichloropropane	11.13	75	121945	22.744	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	121945	64.548	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.18	75	253	0.221	ug/l	78
95) Naphthalene	13.84	128	481	1.446	ug/l #	46

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

Instrument :

MSVOA_X

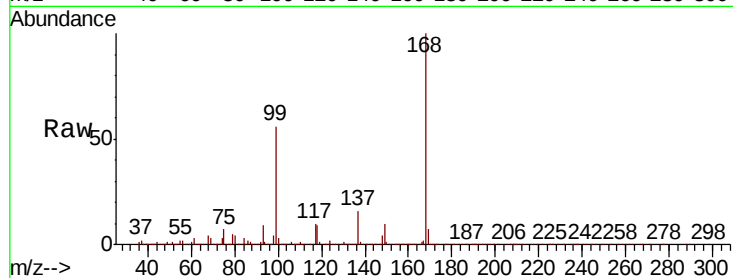
ClientSampleId :

Tot Ion:168 Resp: 325629

Ion Ratio Lower Upper

168 100

99 55.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

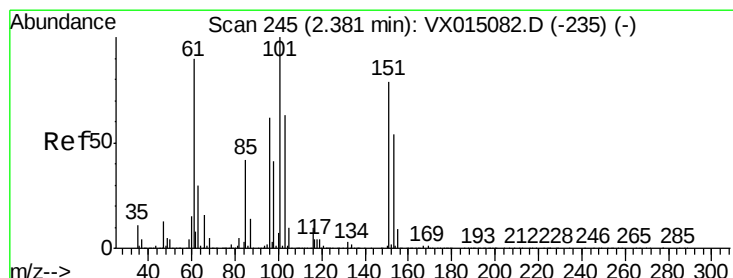
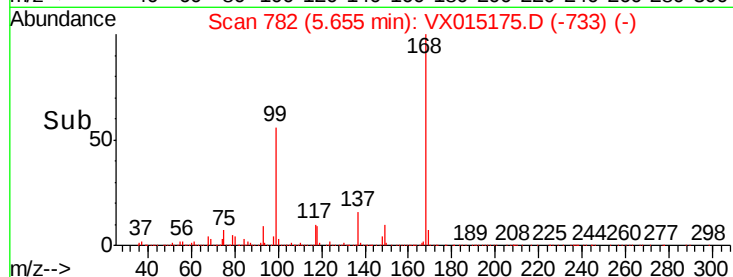
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.153 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

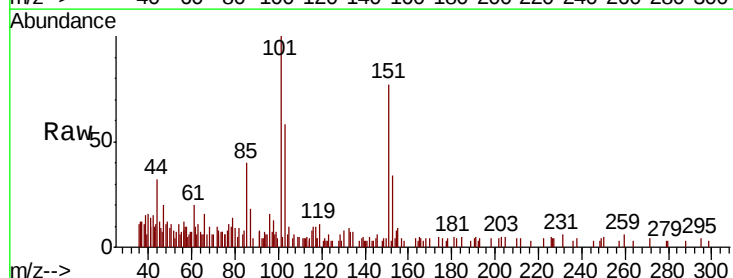
Tgt Ion:101 Resp: 3534

Ion Ratio Lower Upper

101 100

85 39.6 33.7 50.5

151 83.7 64.0 96.0



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

2500

2000

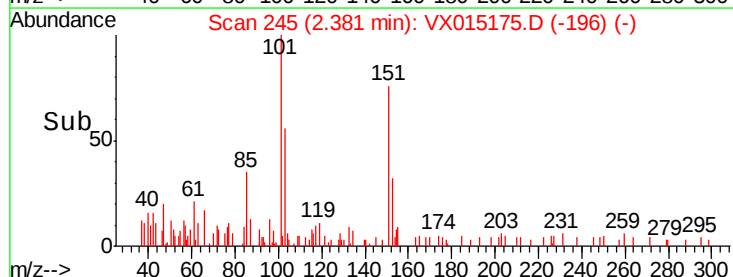
1500

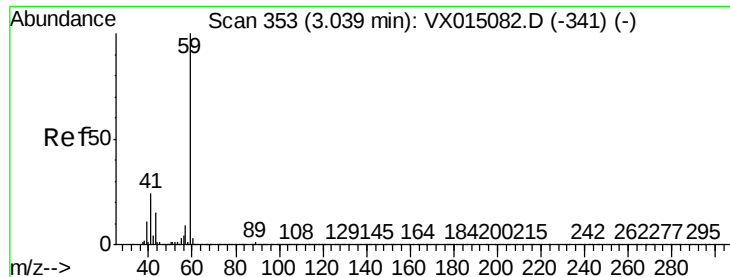
1000

500

0

Time-->

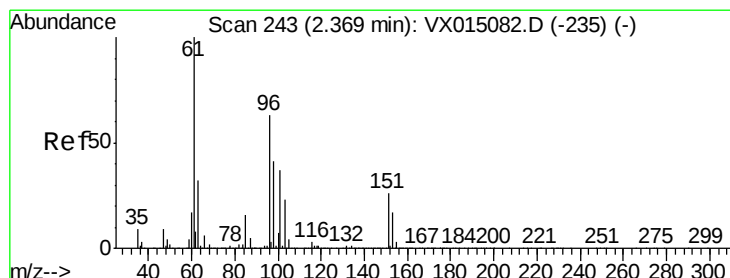
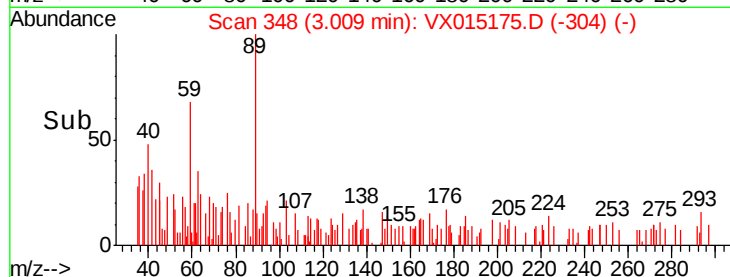
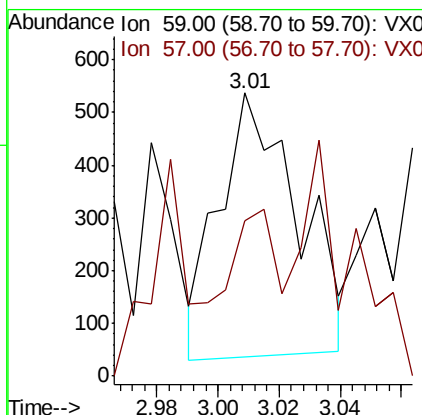
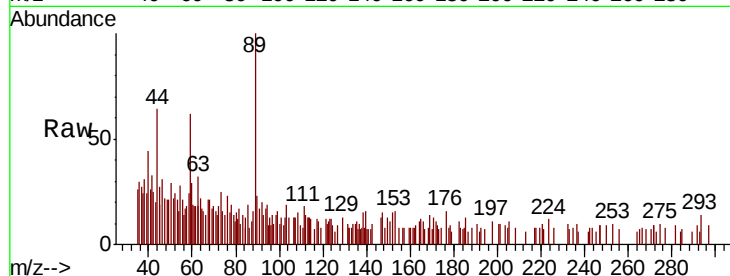




#11
Tert butyl alcohol
Concen: 1.338 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

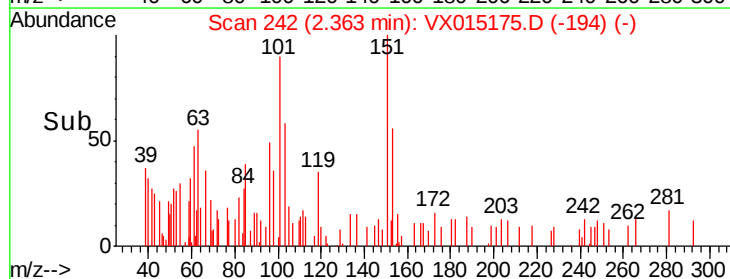
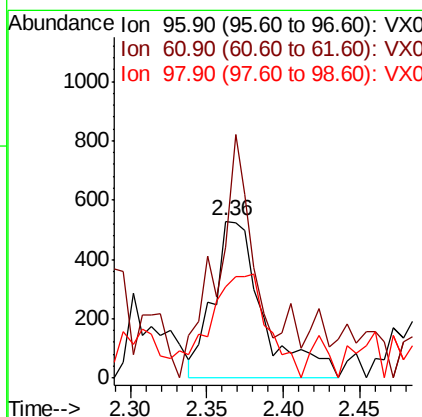
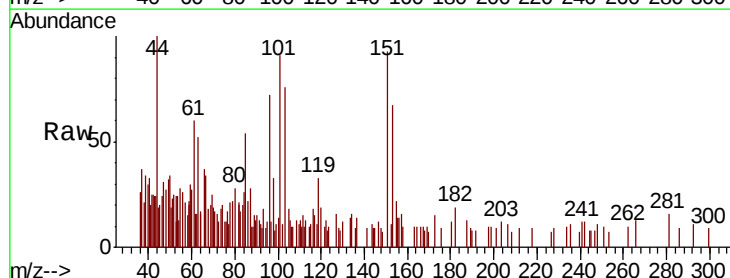
Instrument :
MSVOA_X
ClientSampled :

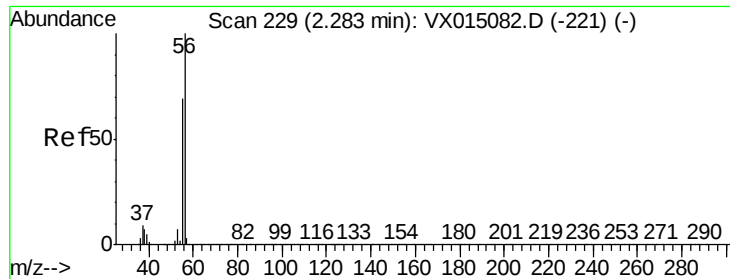
Tot Ion: 59 Resp: 897
Ion Ratio Lower Upper
59 100
57 15.2 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.375 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion: 96 Resp: 1188
Ion Ratio Lower Upper
96 100
61 59.1 126.2 189.4#
98 58.3 51.4 77.0

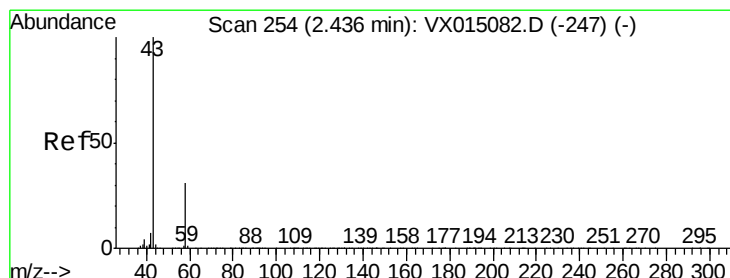
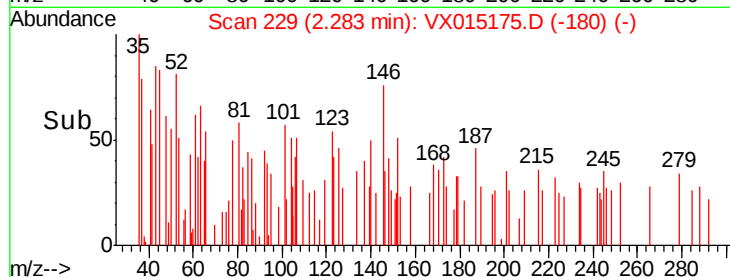
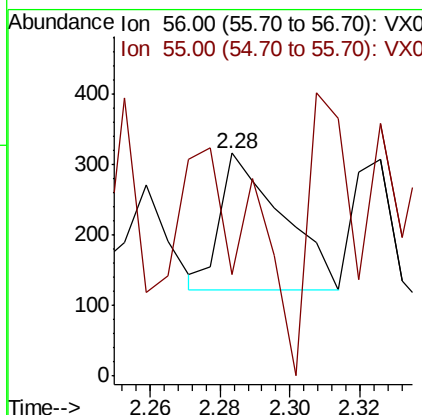
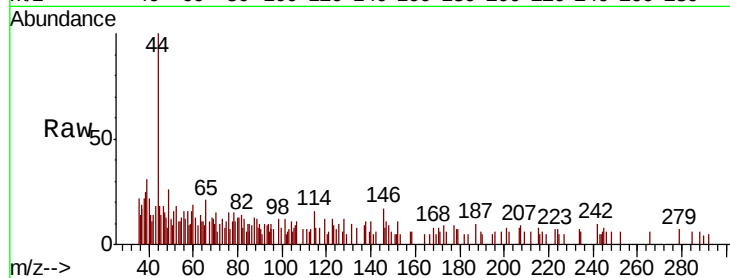




#13
Acrolein
Concen: 0.376 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

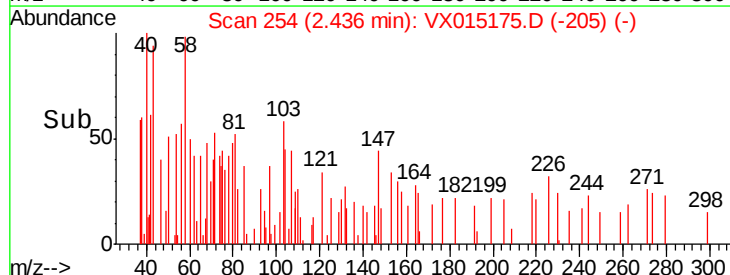
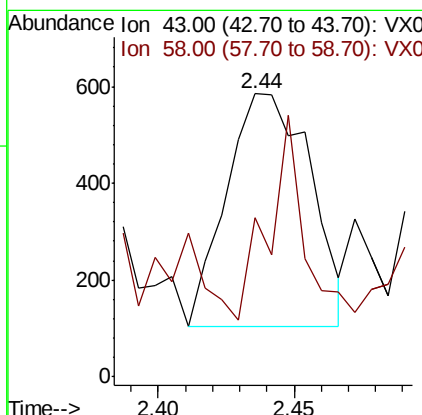
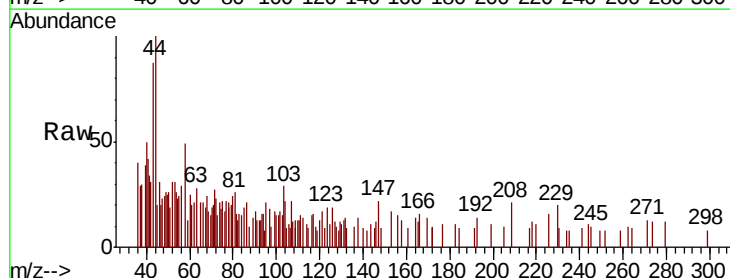
Instrument :
MSVOA_X
ClientSampleId :

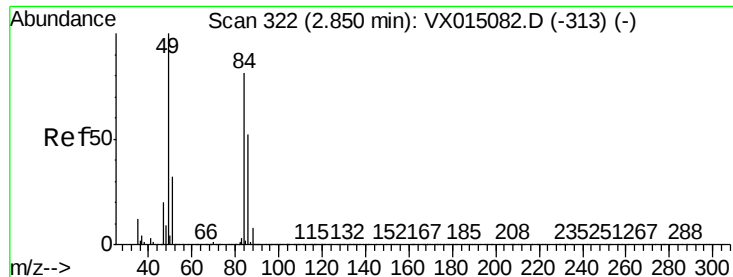
Tot Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 189.5 55.4 83.0#



#16
Acetone
Concen: 0.658 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 31.7 24.8 37.2

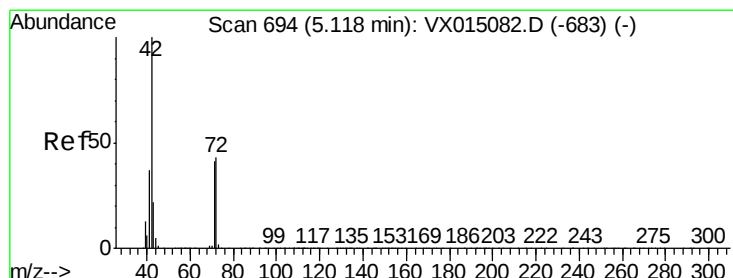
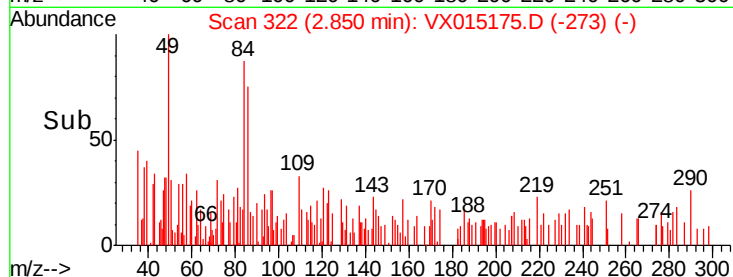
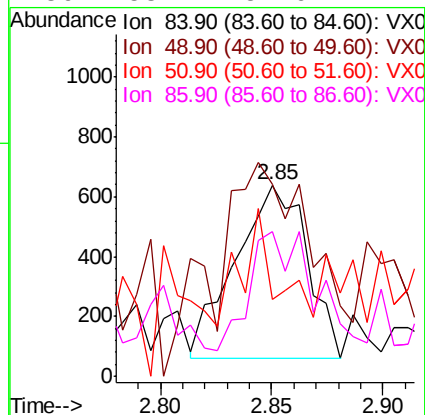
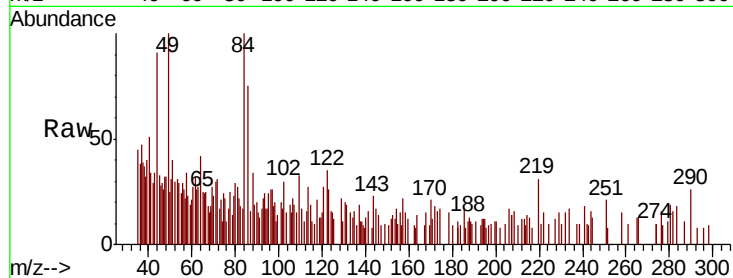




#20
Methvlene Chloride
Concen: 0.353 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

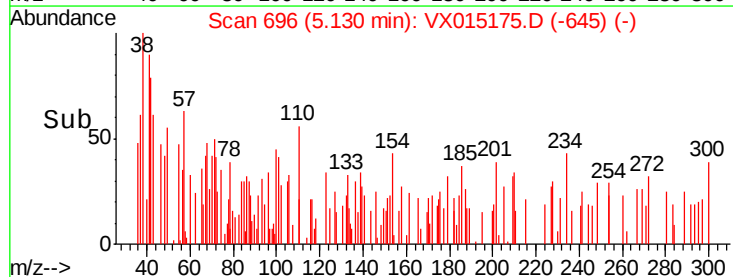
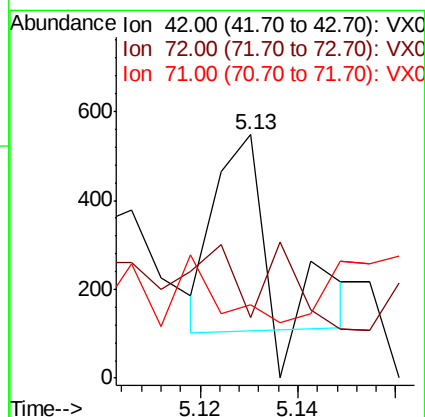
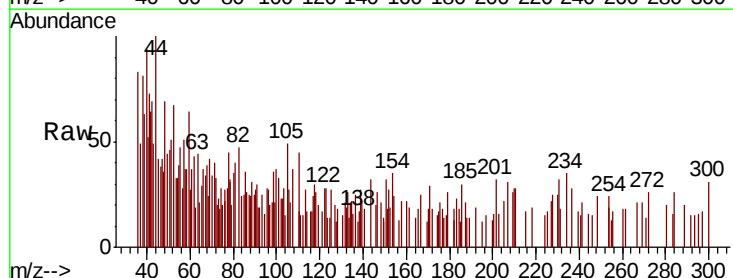
Instrument :
MSVOA_X
ClientSampleId :

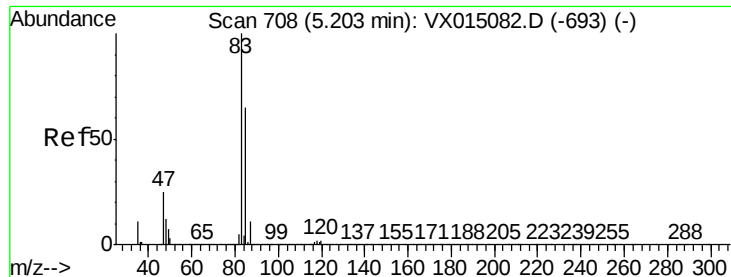
Tot Ion:	84	Resp:	1293
Ion	Ratio	Lower	Upper
84	100		
49	69.9	99.4	149.2#
51	0.3	31.5	47.3#
86	53.7	51.6	77.4



#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion:	42	Resp:	348
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	0.0	33.3	49.9#

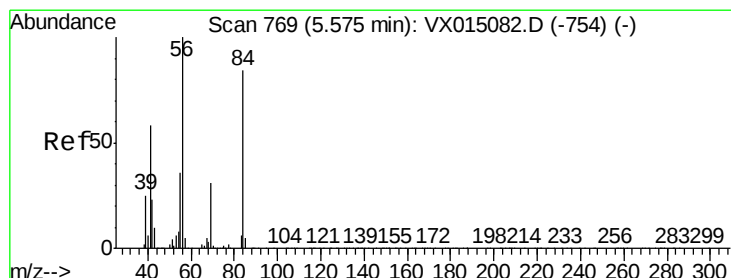
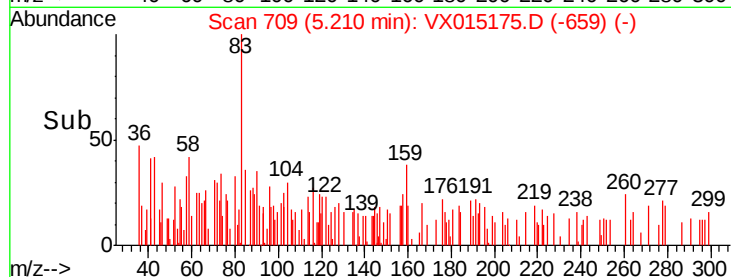
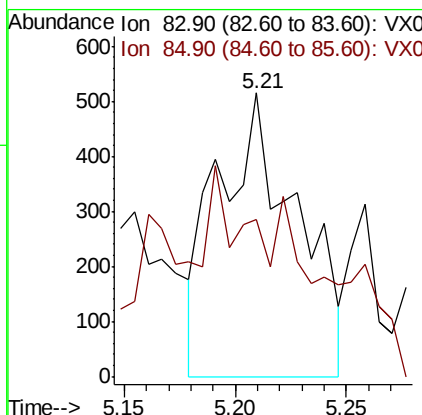
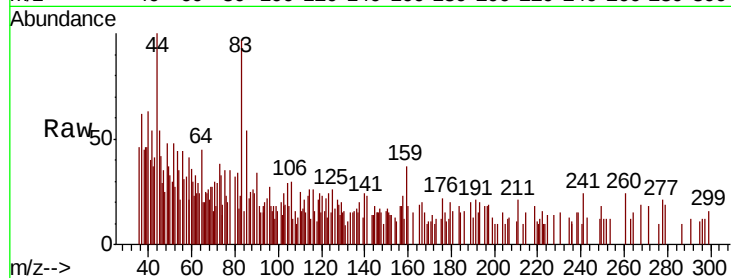




#30
Chloroform
Concen: 0.214 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

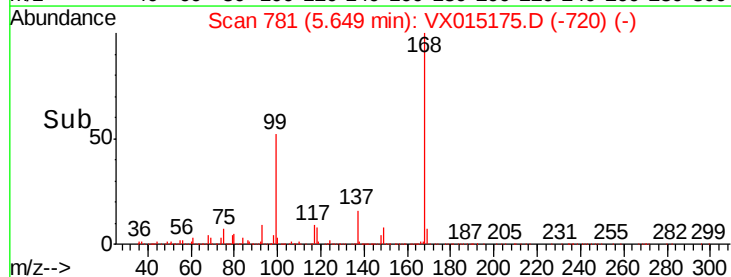
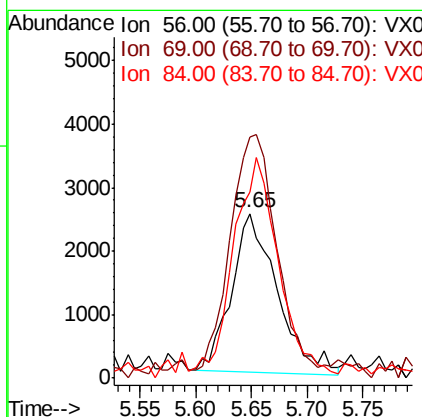
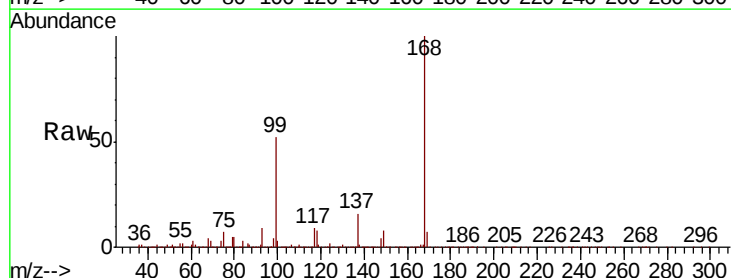
Instrument :
MSVOA_X
ClientSampled :

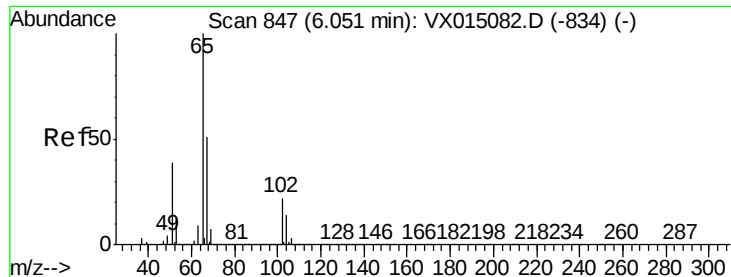
Tot Ion: 83 Resp: 1275
Ion Ratio Lower Upper
83 100
85 31.0 52.0 78.0#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion: 56 Resp: 7187
Ion Ratio Lower Upper
56 100
69 144.3 25.0 37.6#
84 117.9 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 53.563 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

Instrument :

MSVOA_X

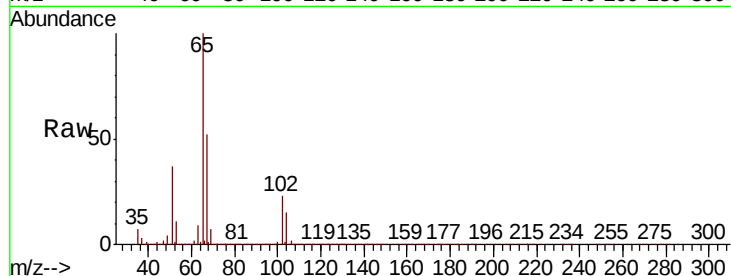
ClientSampleId :

Tot Ion: 65 Resp: 206922

Ion Ratio Lower Upper

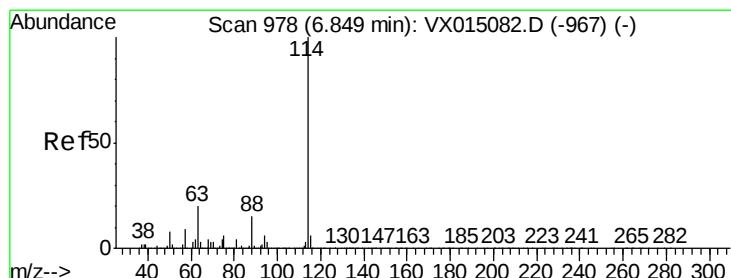
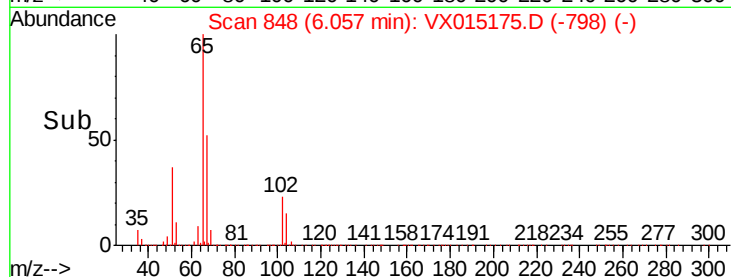
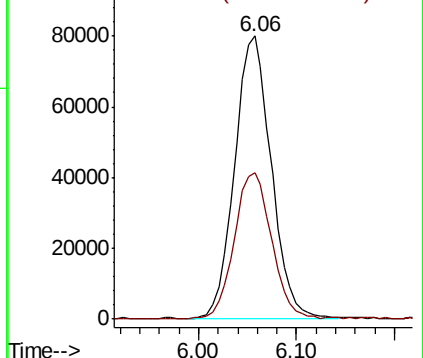
65 100

67 52.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

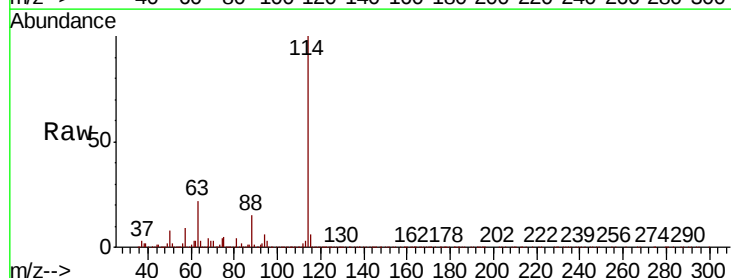
Tgt Ion: 114 Resp: 534130

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

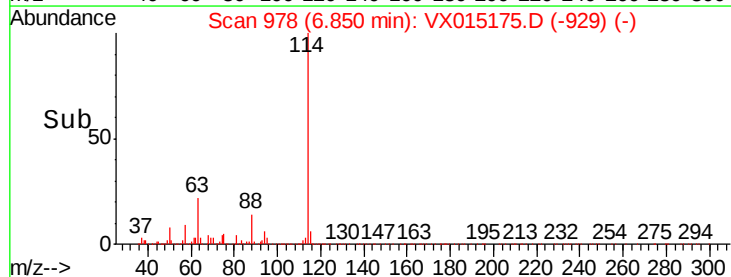
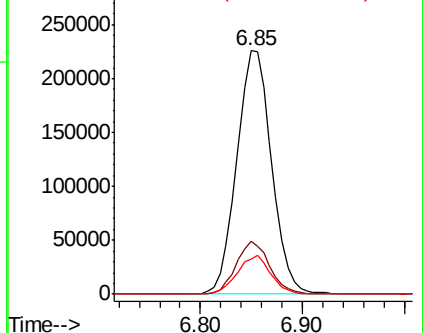
88 14.4 0.0 30.6

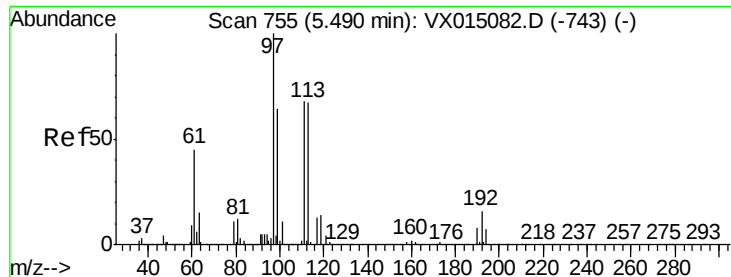


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

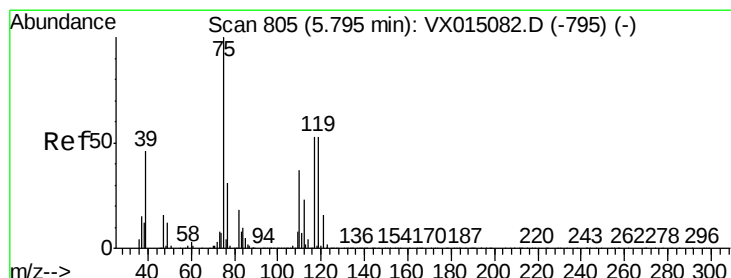
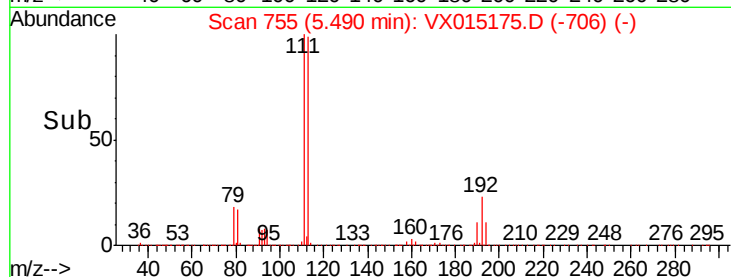
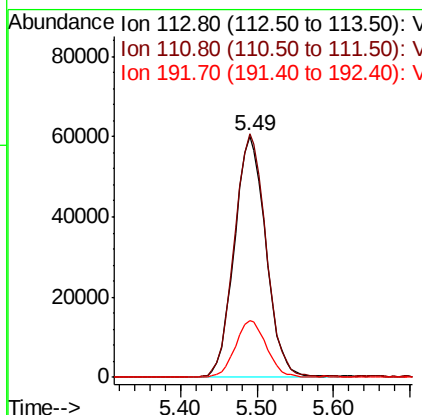
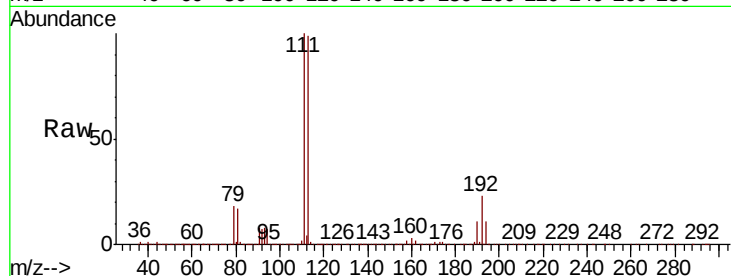




#35
 Dibromofluoromethane
 Concen: 50.955 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015175.D
 Acq: 10 Mar 2020 16:49

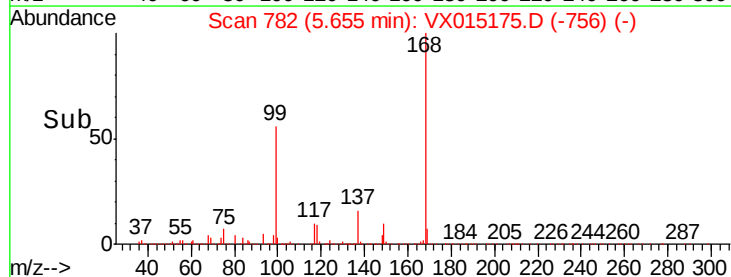
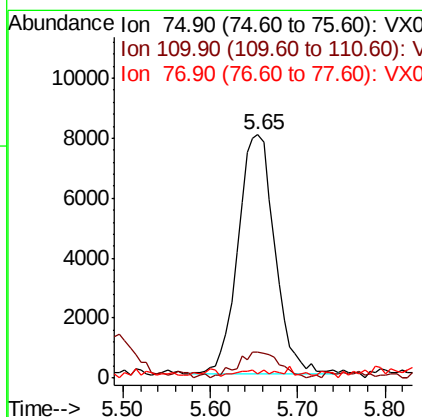
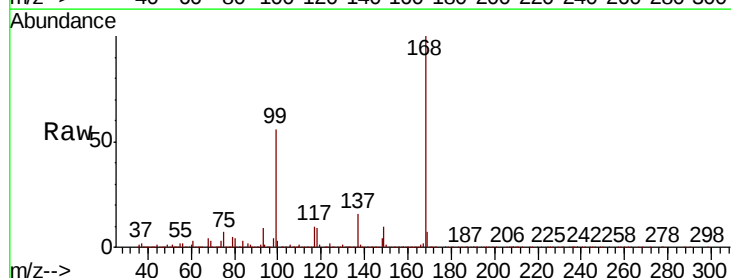
Instrument :
 MSVOA_X
 ClientSampleId :

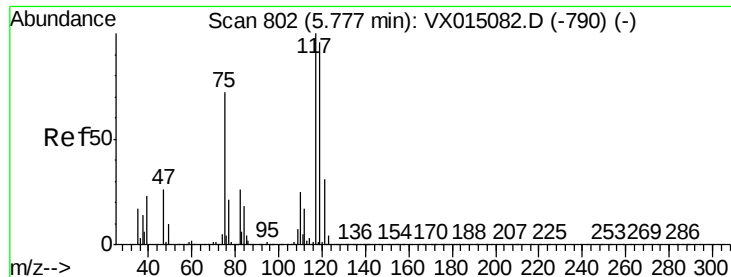
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	23.4	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015175.D
 Acq: 10 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	17.9	53.8#
77	1.5	24.8	37.2#

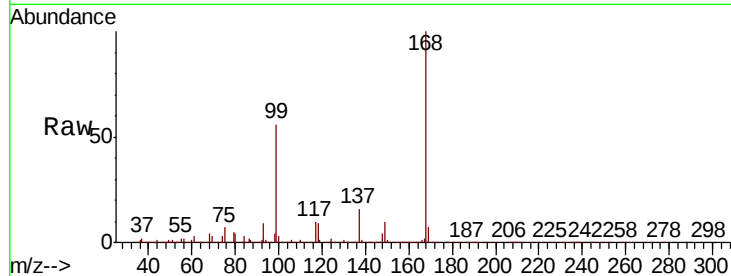




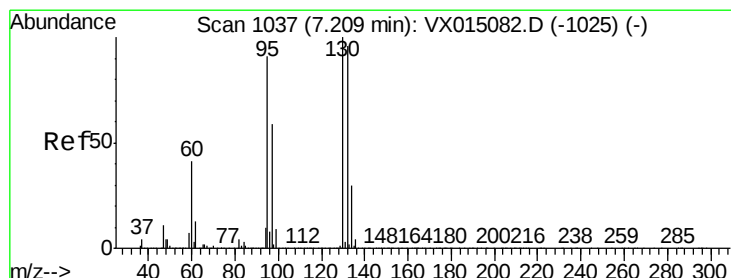
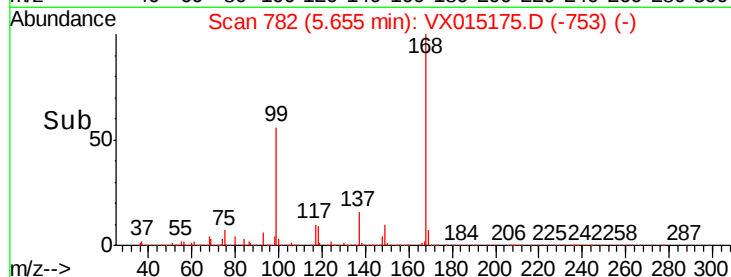
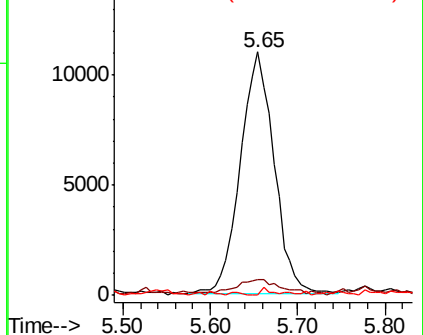
#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 29491
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#

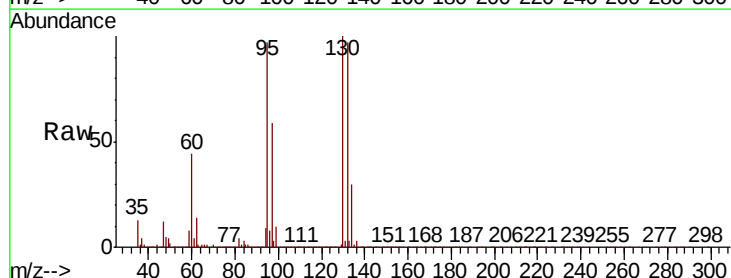


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

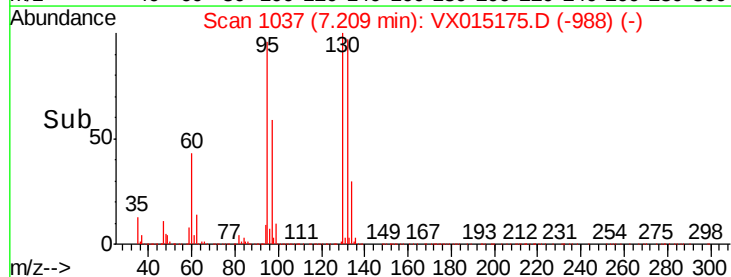
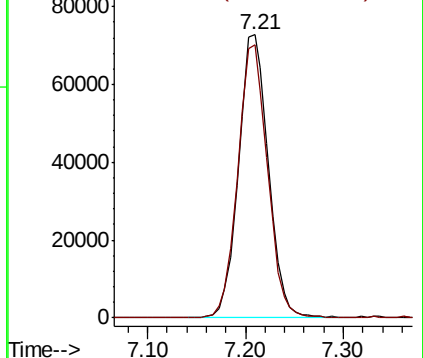


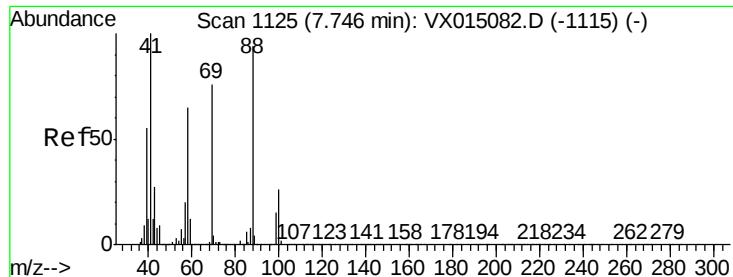
#44
Trichloroethene
Concen: 37.491 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion:130 Resp: 152959
Ion Ratio Lower Upper
130 100
95 96.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

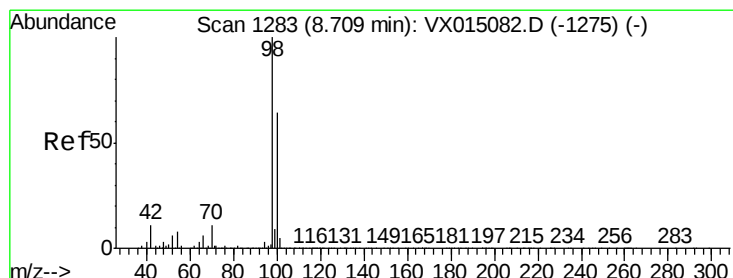
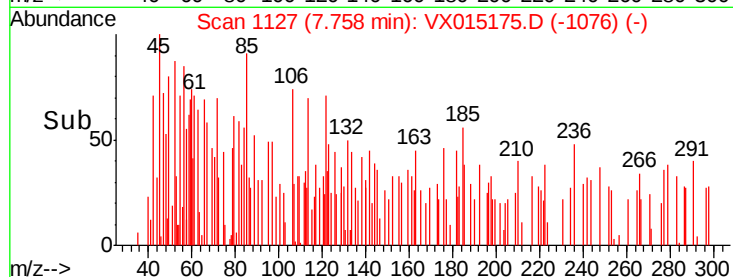
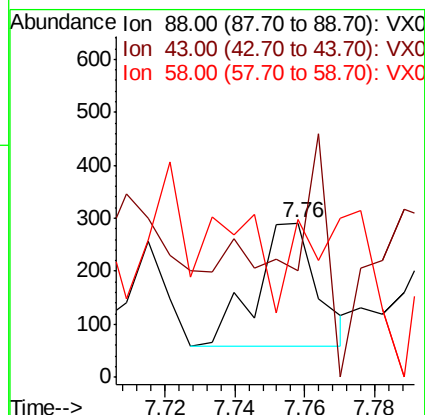
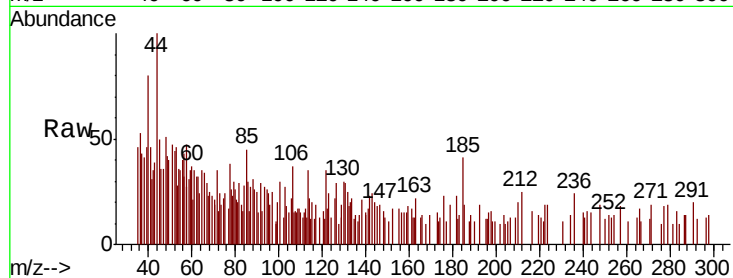




#49
1,4-Dioxane
Concen: 3.192 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

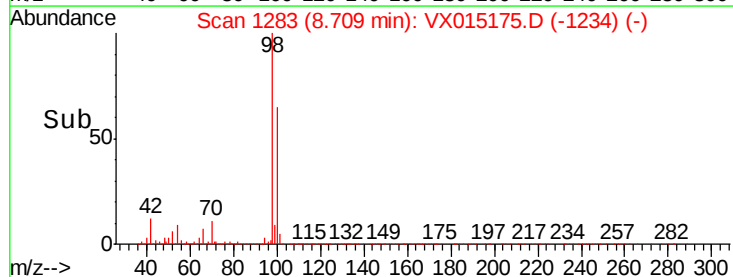
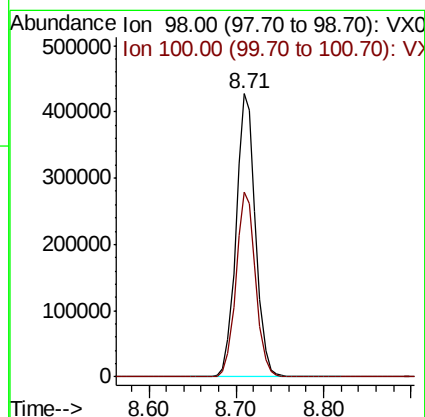
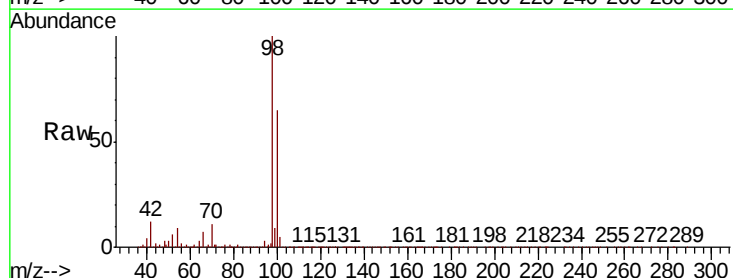
Instrument :
MSVOA_X
ClientSampleId :

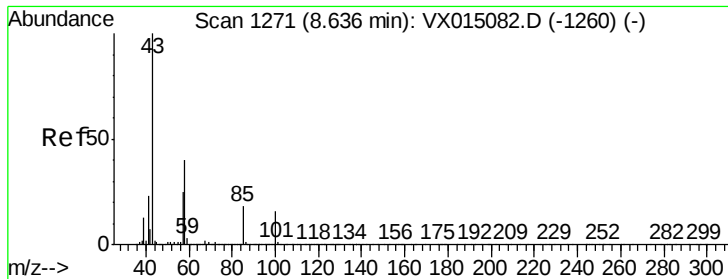
Tot Ion: 88 Resp: 283
Ion Ratio Lower Upper
88 100
43 114.1 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 51.596 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion: 98 Resp: 661337
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 0.225 ug/l

RT: 8.65 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

Instrument :

MSVOA_X

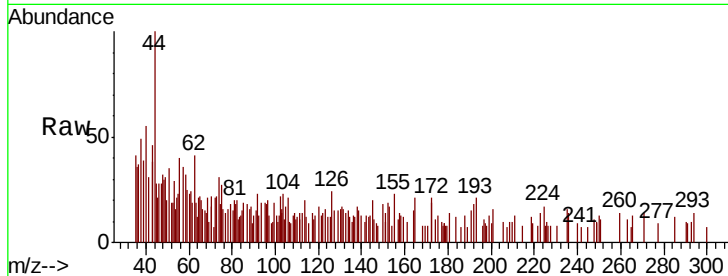
ClientSampleId :

Tot Ion: 43 Resp: 1073

Ion Ratio Lower Upper

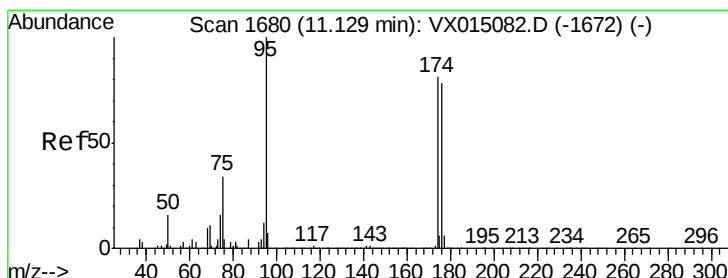
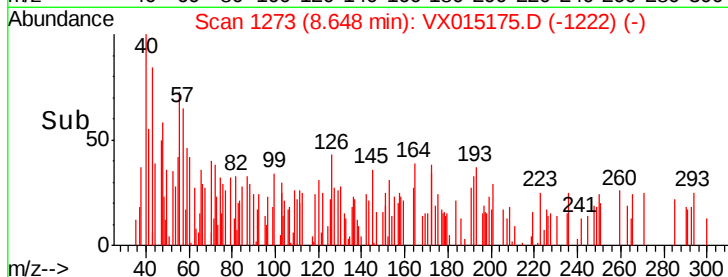
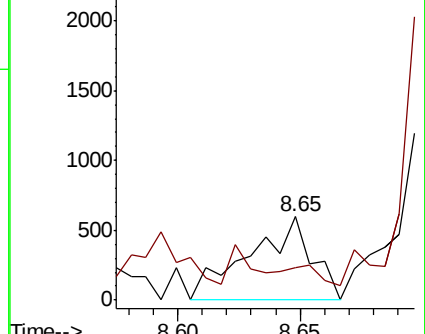
43 100

58 0.0 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 52.979 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

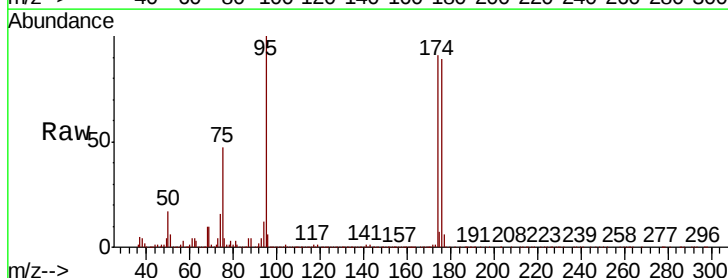
Tgt Ion: 95 Resp: 242219

Ion Ratio Lower Upper

95 100

174 89.3 0.0 177.6

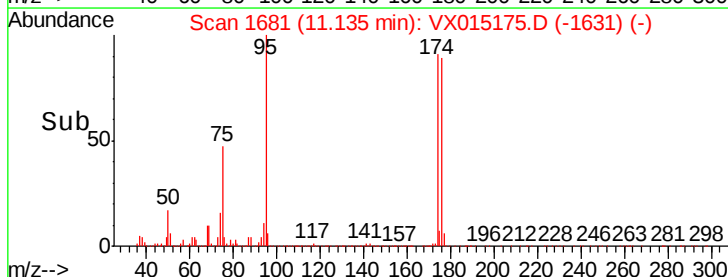
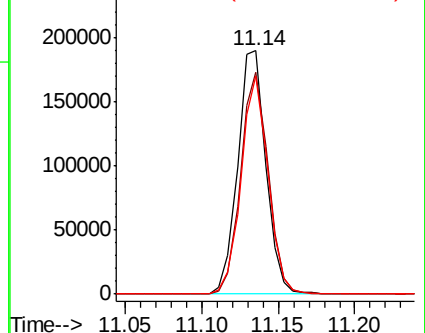
176 85.4 0.0 170.2

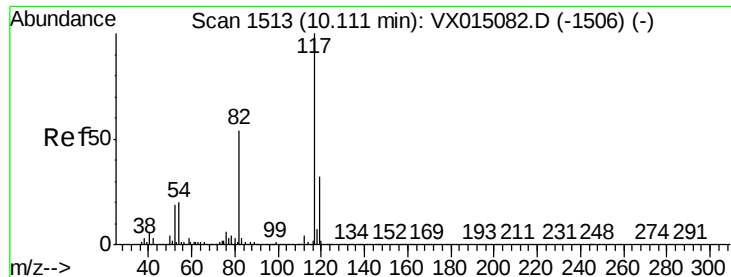


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

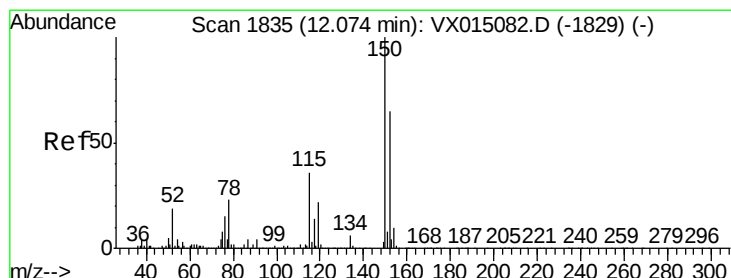
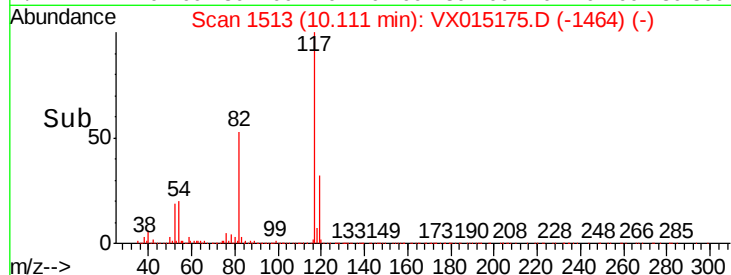
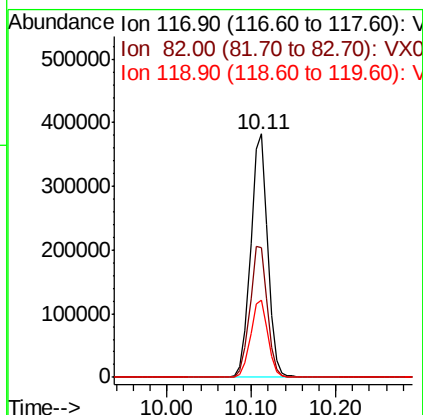
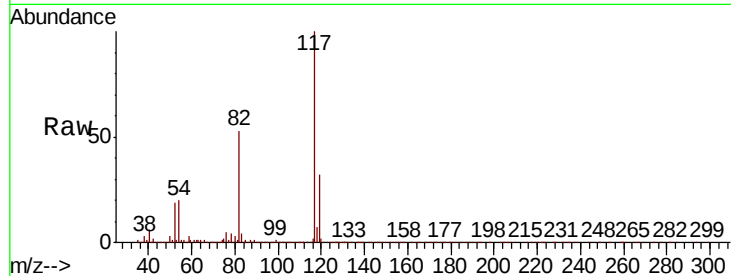




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

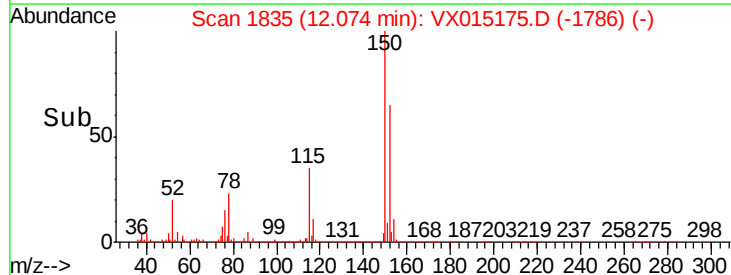
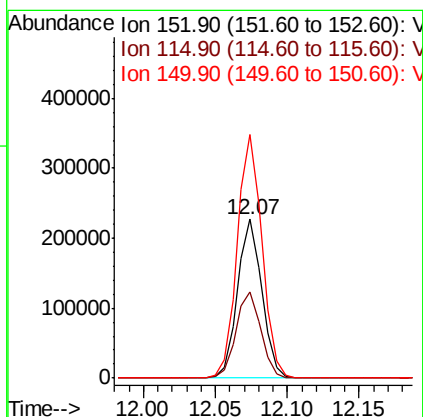
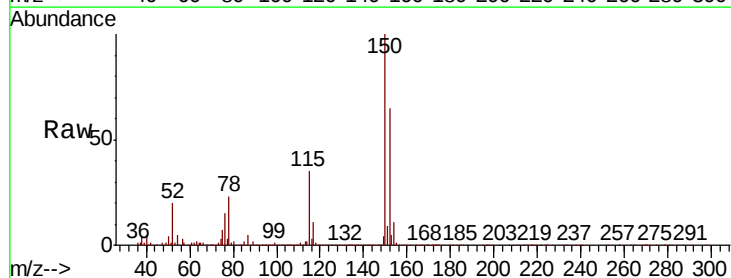
Instrument :
MSVOA_X
ClientSampled :

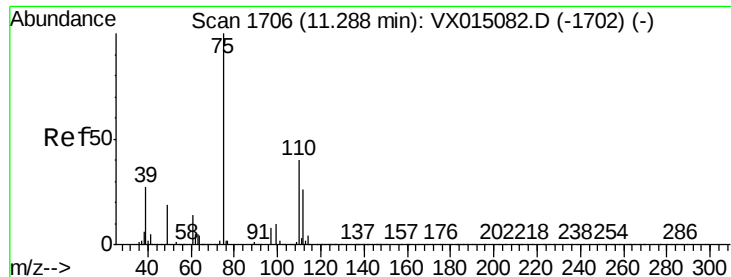
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.3	64.9
119	31.8	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015175.D
Acq: 10 Mar 2020 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.2	114.6
150	155.3	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.744 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

Instrument :

MSVOA_X

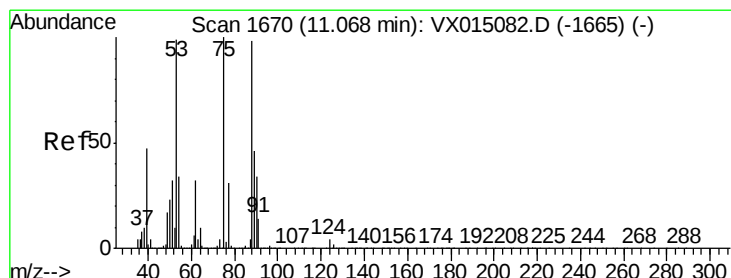
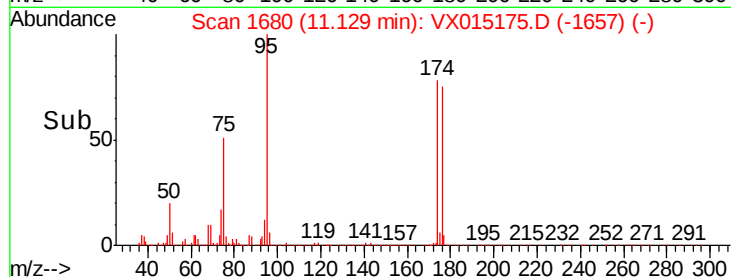
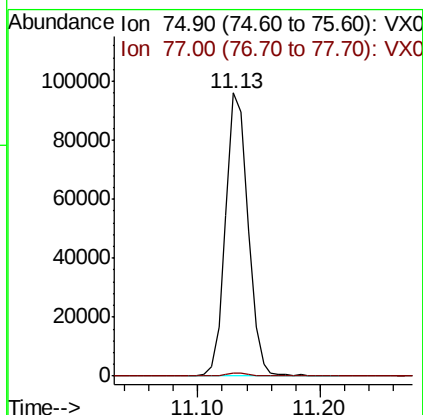
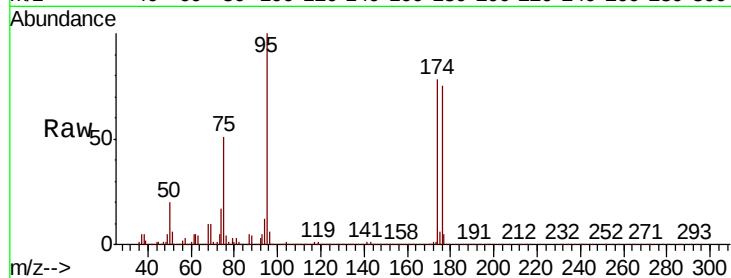
ClientSampled :

Tot Ion: 75 Resp: 121945

Ion Ratio Lower Upper

75 100

77 1.5 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.548 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015175.D

Acq: 10 Mar 2020 16:49

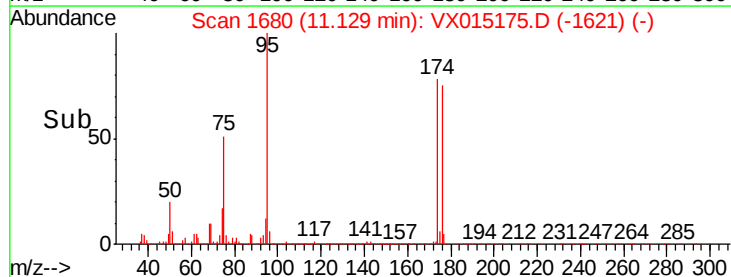
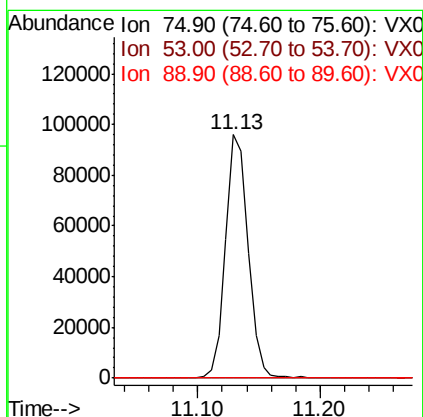
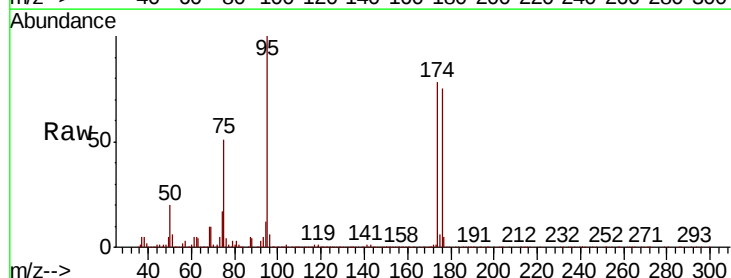
Tgt Ion: 75 Resp: 121945

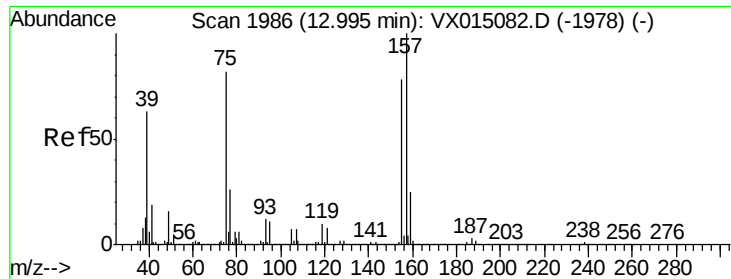
Ion Ratio Lower Upper

75 100

53 0.5 77.9 116.9#

89 0.1 36.2 54.2#

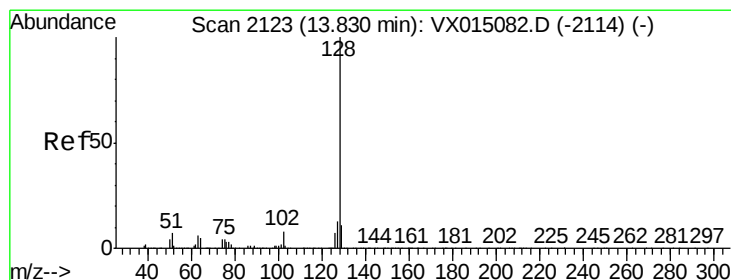
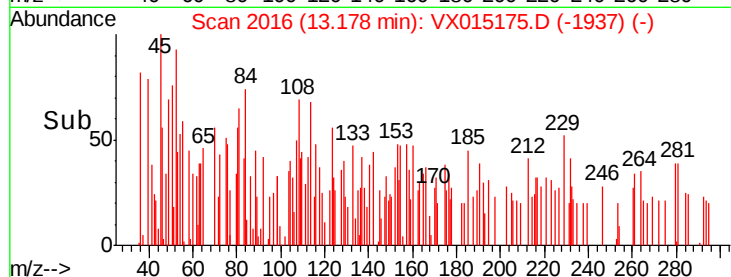
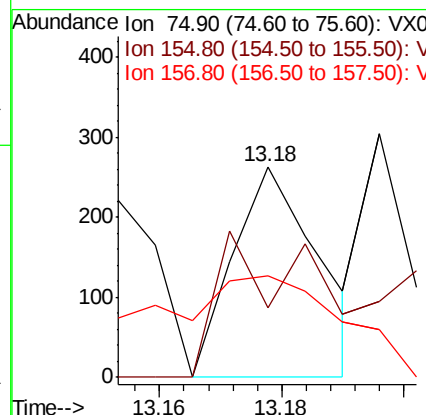
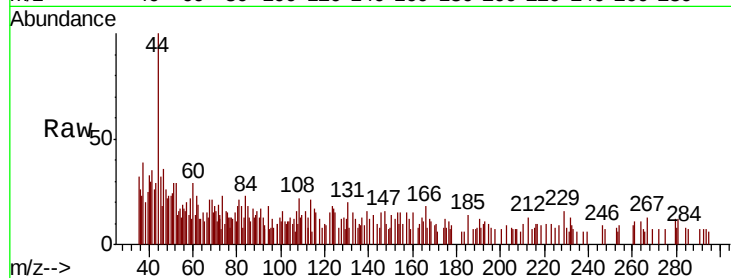




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.221 ug/l
 RT: 13.18 min Scan# 2016
 Delta R.T. 0.18 min
 Lab File: VX015175.D
 Acq: 10 Mar 2020 16:49

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 253
 Ion Ratio Lower Upper
 75 100
 155 88.5 46.6 139.7
 157 78.3 59.2 177.5



#95
 Naphthalene
 Concen: 1.446 ug/l
 RT: 13.84 min Scan# 2125
 Delta R.T. 0.01 min
 Lab File: VX015175.D
 Acq: 10 Mar 2020 16:49

Tgt Ion: 128 Resp: 481
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 40.5 8.6 13.0#

