

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015170.D
 Acq On : 10 Mar 2020 14:56
 Operator : JC/SP
 Sample : L1842-17DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:30:00 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	334673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	549584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	535440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	273299	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	207480	52.26	ug/l	0.00
Spiked Amount						
			Recovery	=	104.52%	
35) Dibromofluoromethane	5.49	113	173167	49.94	ug/l	0.00
Spiked Amount						
			Recovery	=	99.88%	
50) Toluene-d8	8.71	98	674078	51.11	ug/l	0.00
Spiked Amount						
			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	245121	52.11	ug/l	0.00
Spiked Amount						
			Recovery	=	104.22%	

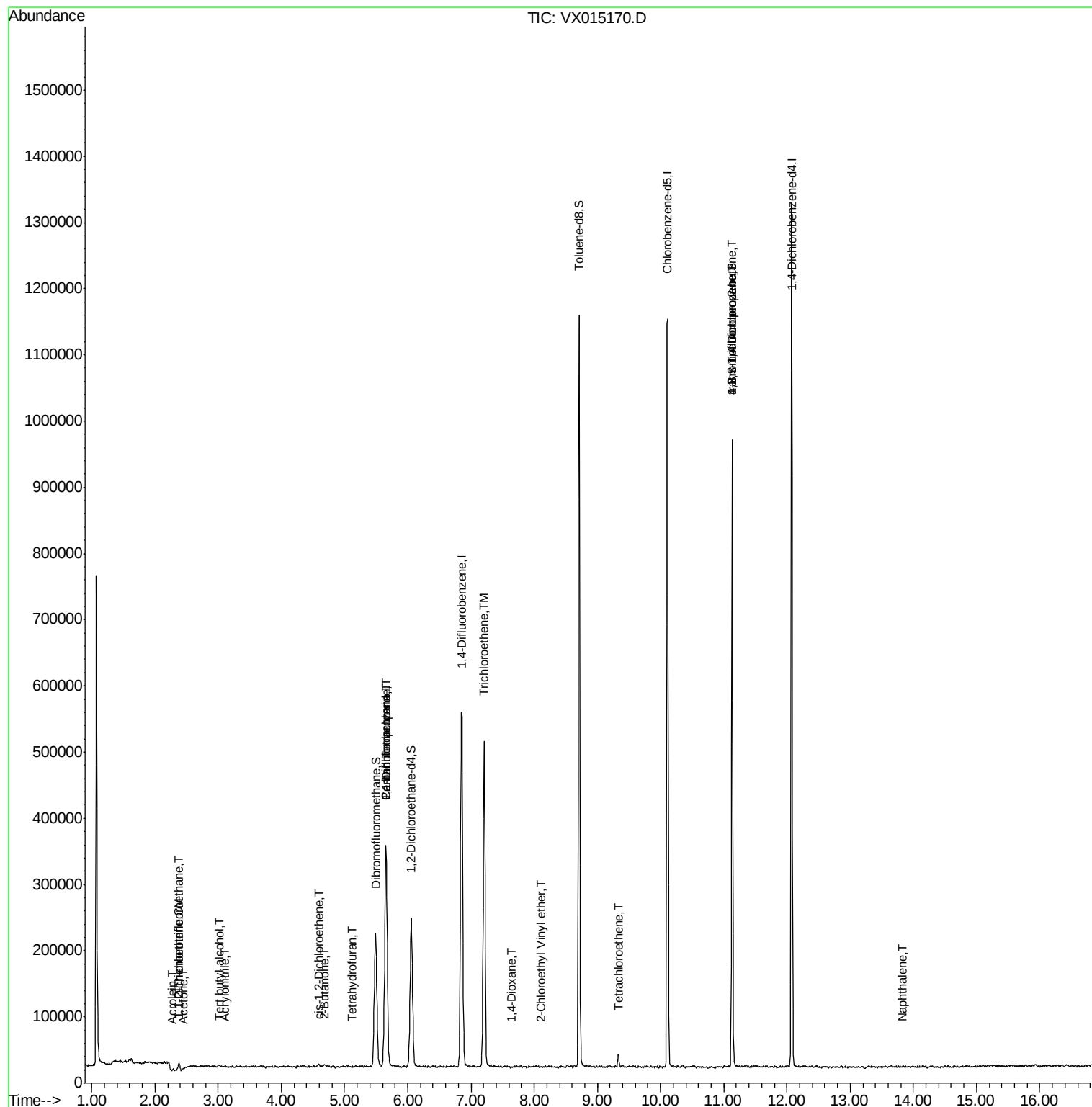
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5258	1.669	ug/l	97
11) Tert butyl alcohol	3.01	59	1760	2.555	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	1274	0.392	ug/l #	66
13) Acrolein	2.28	56	139	0.215	ug/l #	1
15) Acrylonitrile	3.11	53	493	0.287	ug/l #	35
16) Acetone	2.45	43	1222	0.760	ug/l #	50
25) 2-Butanone	4.67	43	616	0.262	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	2460	0.631	ug/l	83
29) Tetrahydrofuran	5.12	42	459	0.302	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	23827	4.690	ug/l #	52
38) Carbon Tetrachloride	5.65	117	30577	6.376	ug/l #	16
44) Trichloroethene	7.21	130	195229	46.506	ug/l	100
49) 1,4-Dioxane	7.64	88	258	2.828	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.12	63	644	0.218	ug/l	98
64) Tetrachloroethene	9.33	164	4603	1.040	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	120672	22.136	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	120672	62.821	ug/l #	11
95) Naphthalene	13.82	128	554	1.450	ug/l #	69

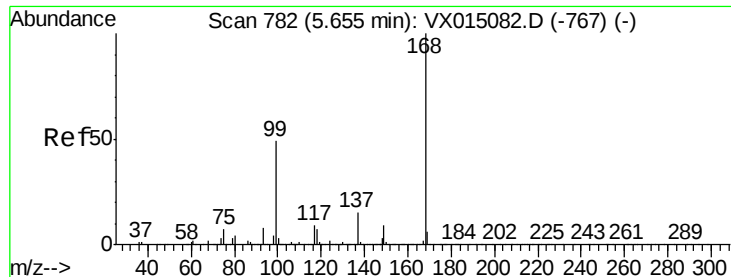
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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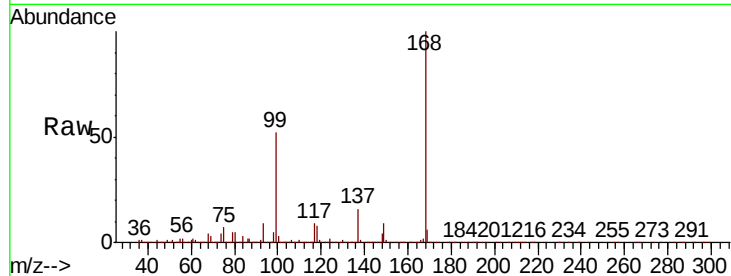


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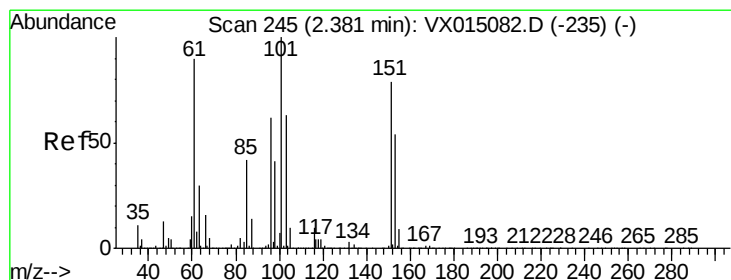
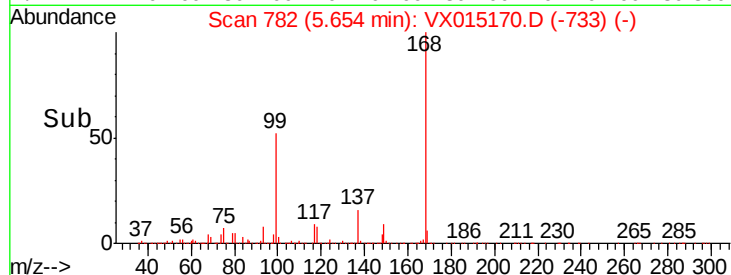
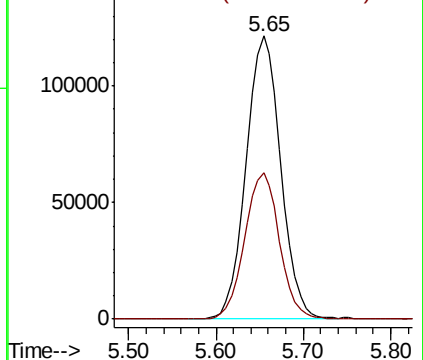
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:168 Resp: 334673
 Ion Ratio Lower Upper
 168 100
 99 51.5 39.4 59.2



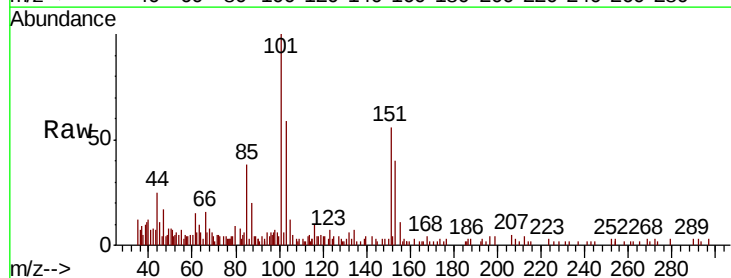
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



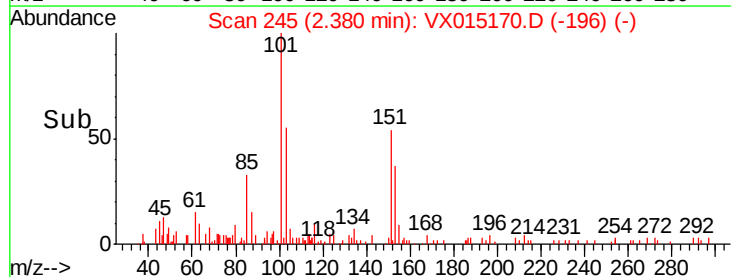
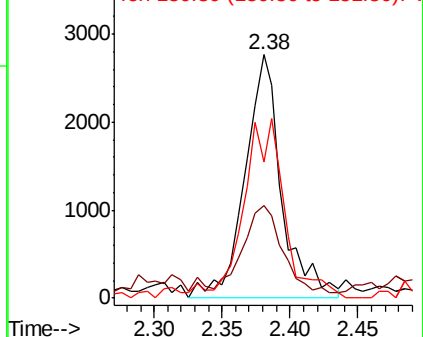
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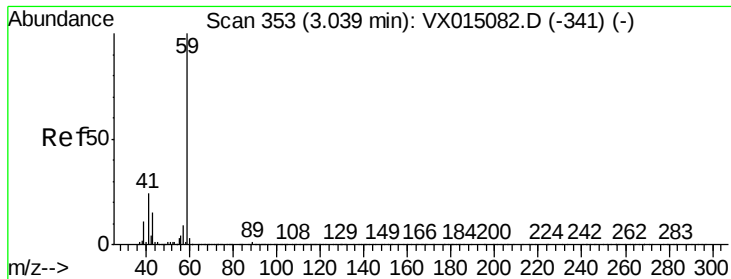
1,1,2-Trichlorotrifluoroethane
 Concen: 1.669 ug/l
 RT: 2.38 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

Tgt Ion:101 Resp: 5258
 Ion Ratio Lower Upper
 101 100
 85 38.0 33.7 50.5
 151 81.6 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

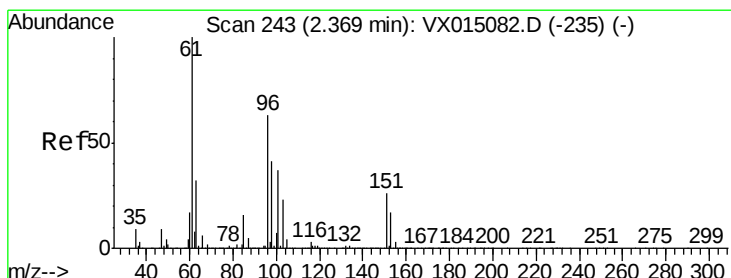
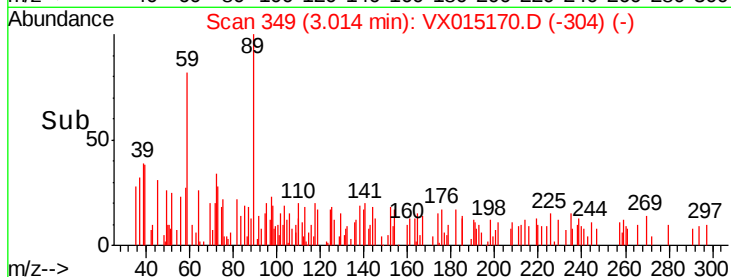
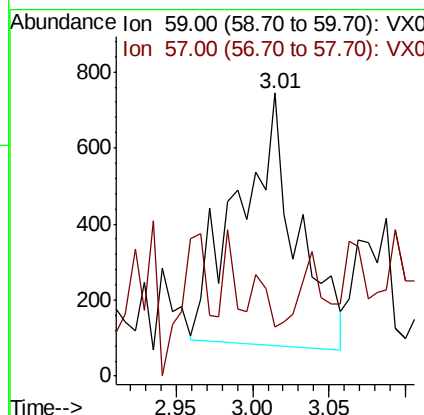
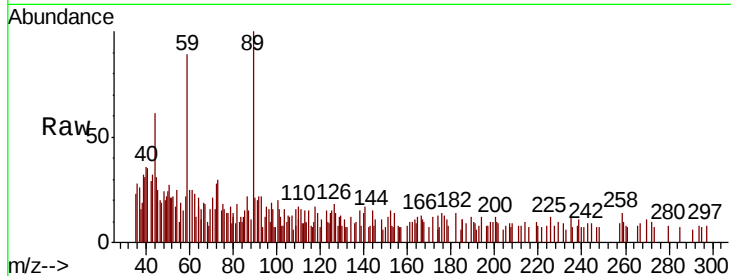




#11
Tert butyl alcohol
Concen: 2.555 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

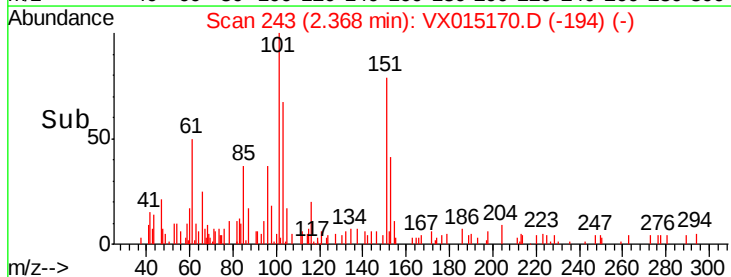
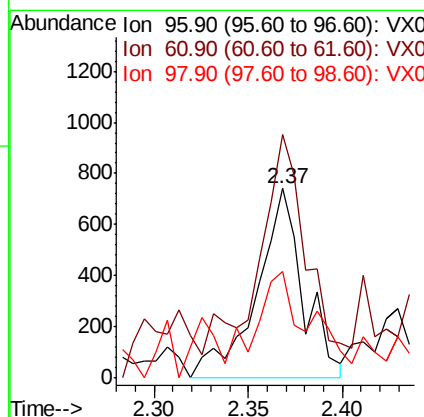
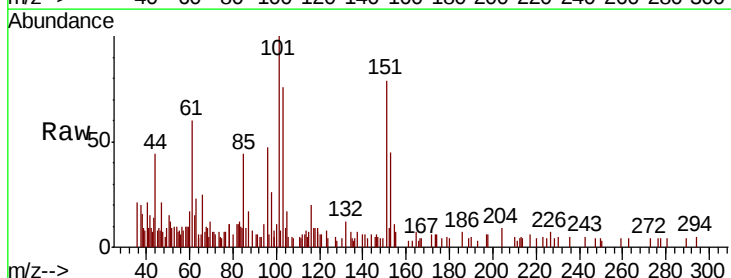
Instrument :
MSVOA_X
ClientSampled :

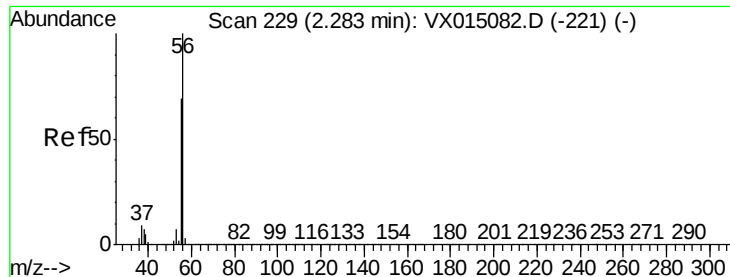
Tot Ion: 59 Resp: 1760
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.392 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Tgt Ion: 96 Resp: 1274
Ion Ratio Lower Upper
96 100
61 110.4 126.2 189.4#
98 41.8 51.4 77.0#





#13

Acrolein

Concen: 0.215 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015170.D

Acq: 10 Mar 2020 14:56

Instrument :

MSVOA_X

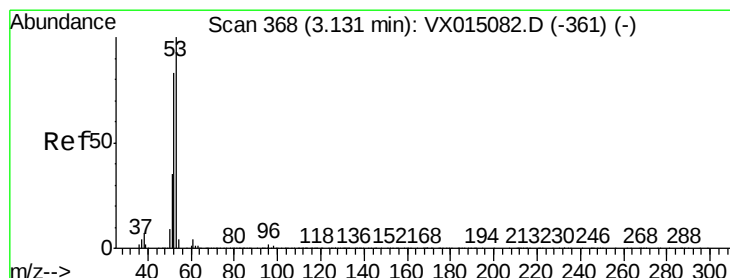
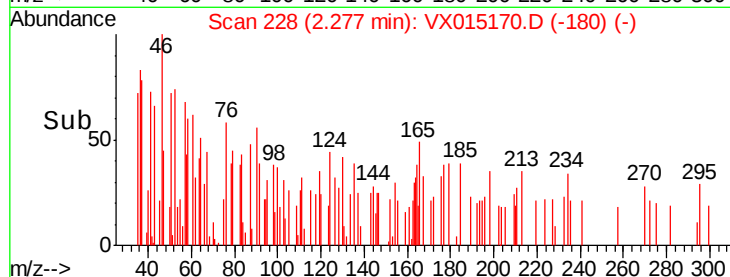
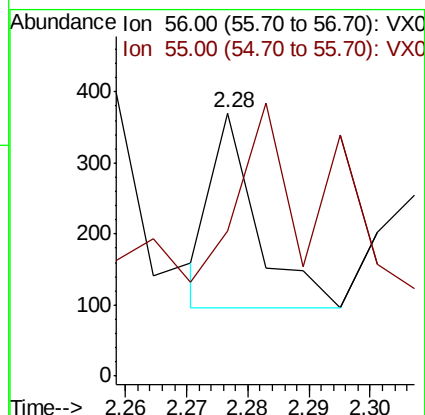
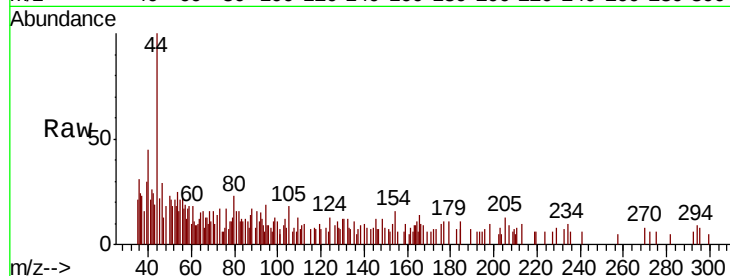
ClientSampled :

Tot Ion: 56 Resp: 139

Ion Ratio Lower Upper

56 100

55 163.3 55.4 83.0#



#15

Acrylonitrile

Concen: 0.287 ug/l

RT: 3.11 min Scan# 364

Delta R.T. -0.02 min

Lab File: VX015170.D

Acq: 10 Mar 2020 14:56

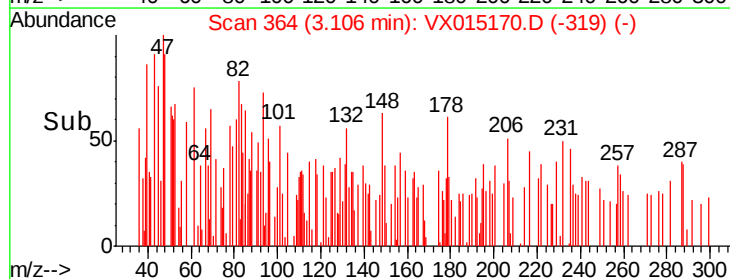
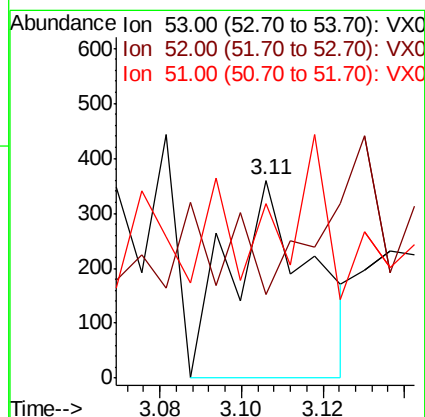
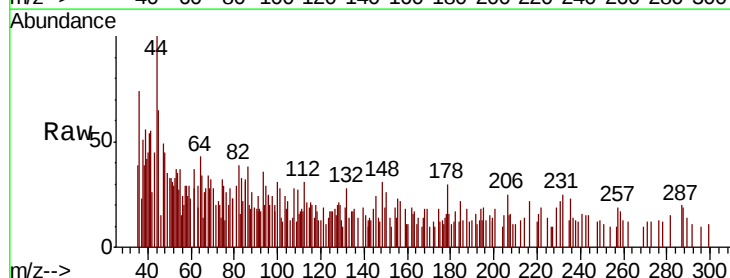
Tgt Ion: 53 Resp: 493

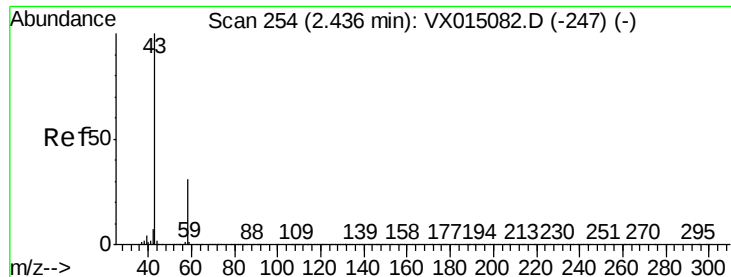
Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 38.1 29.0 43.6

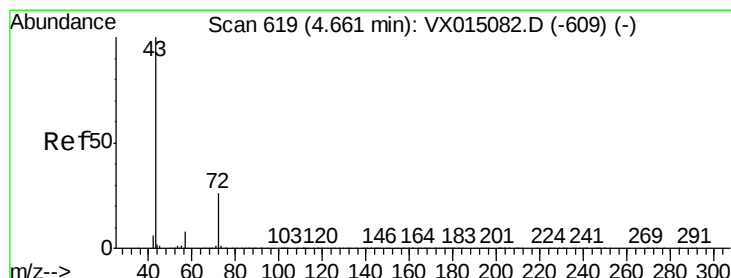
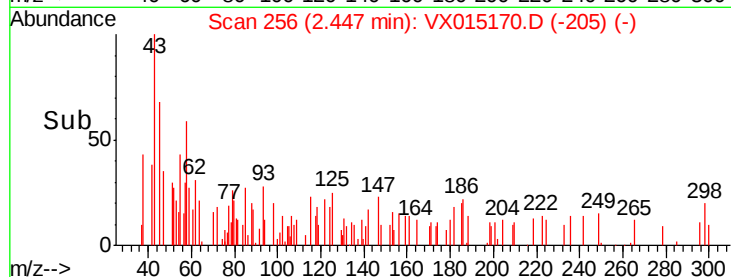
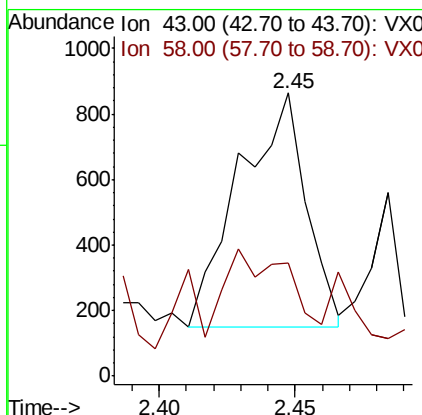
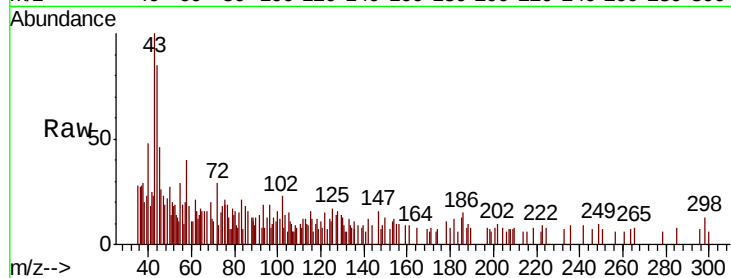




#16
Acetone
Concen: 0.760 ug/l
RT: 2.45 min Scan# 256
Delta R.T. 0.01 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

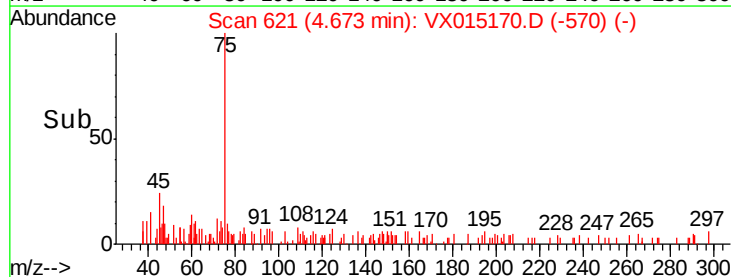
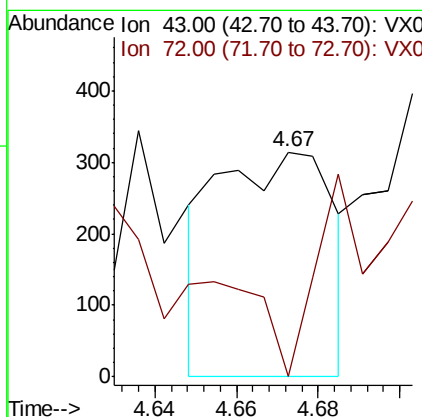
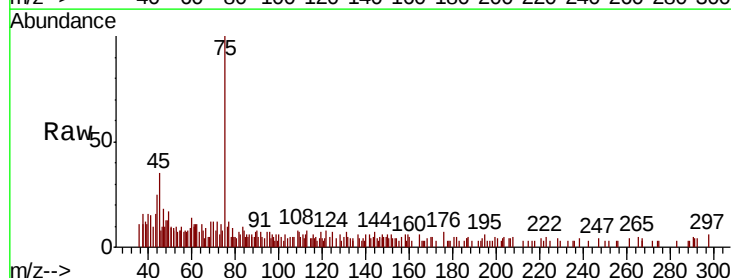
Instrument :
MSVOA_X
ClientSampled :

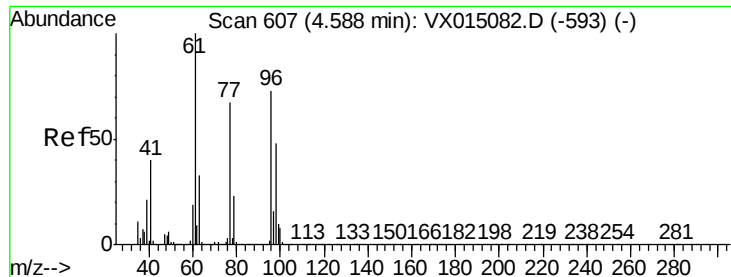
Tot Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 3.6 24.8 37.2#



#25
2-Butanone
Concen: 0.262 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



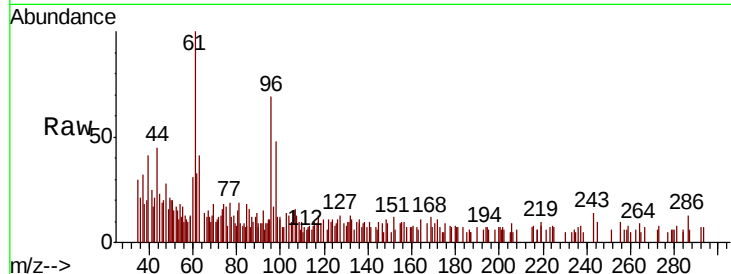


#27

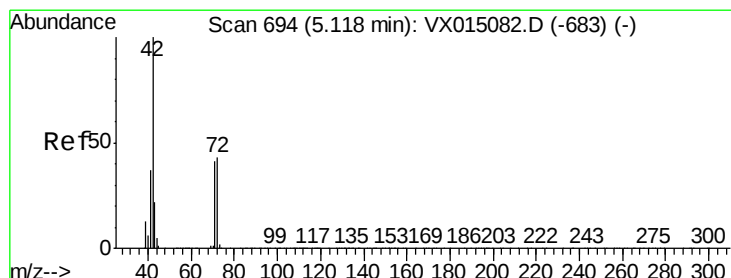
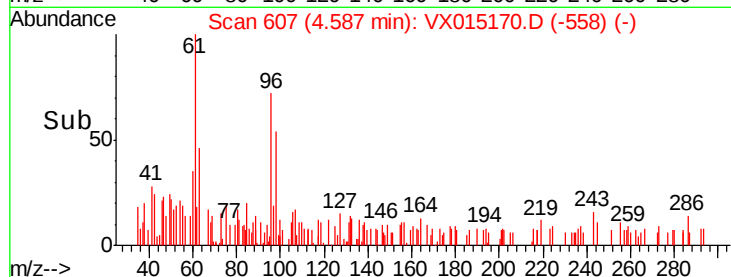
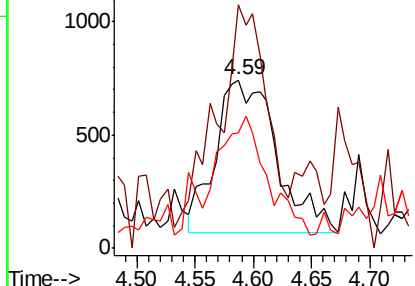
cis-1,2-Dichloroethene
Concen: 0.631 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	116.2	0.0	286.8
98	60.4	0.0	128.4



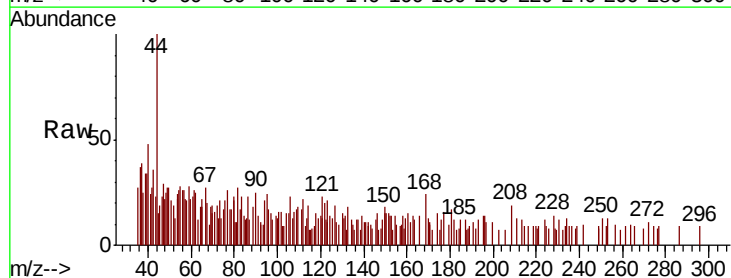
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



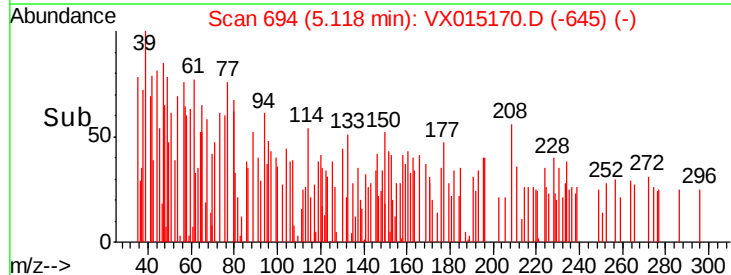
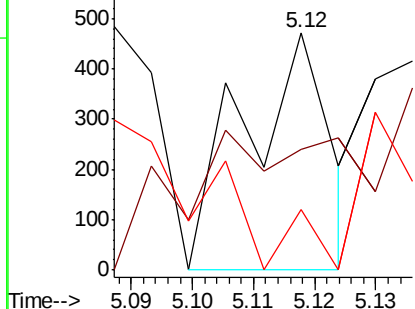
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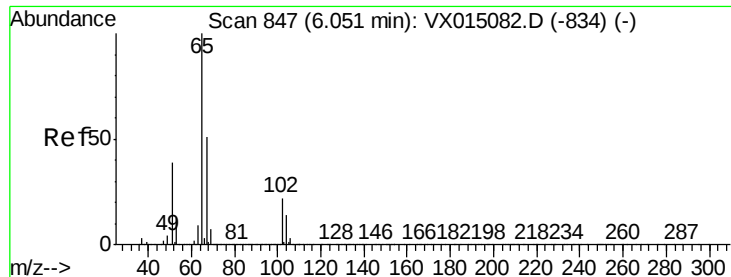
Tetrahydrofuran
Concen: 0.302 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	113.1	33.3	49.9#



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

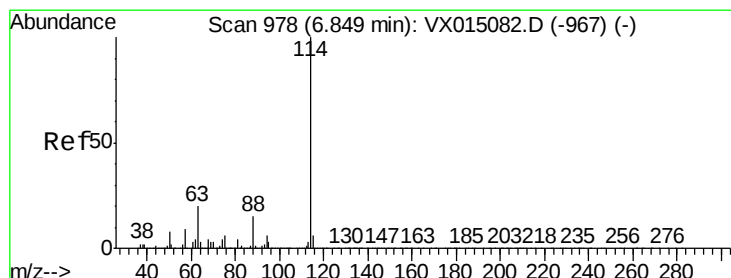
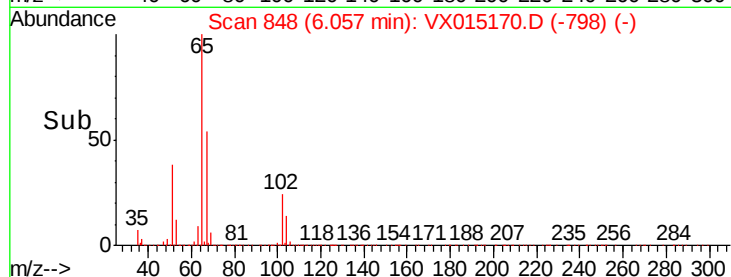
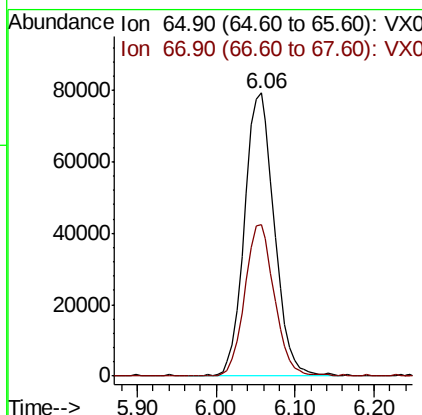
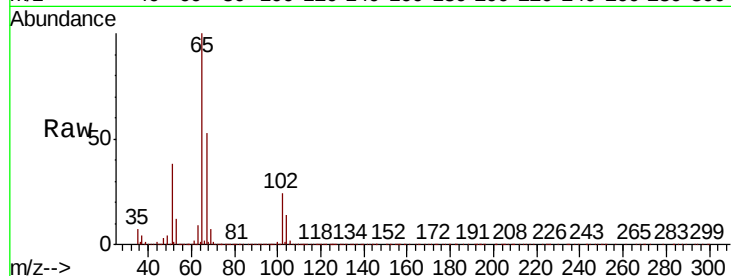




#33
 1,2-Dichloroethane-d4
 Concen: 52.256 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

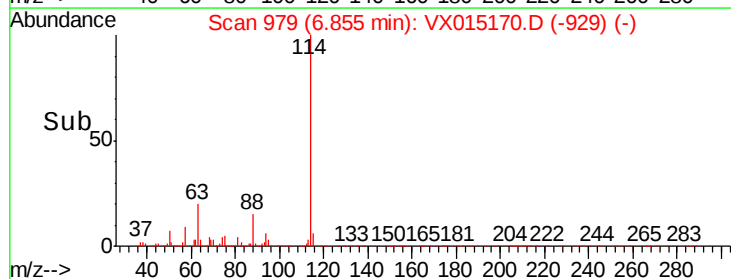
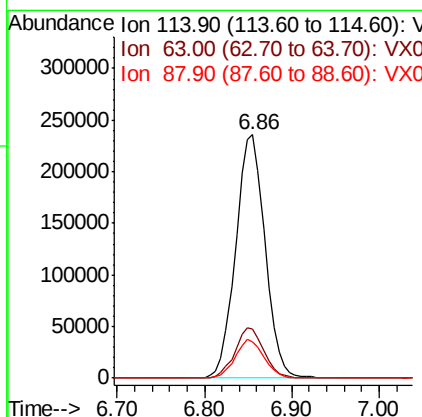
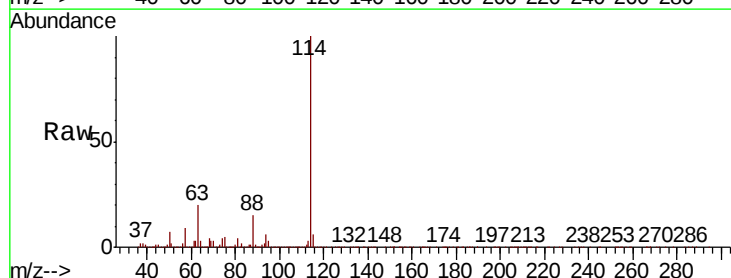
Instrument :
 MSVOA_X
 ClientSampleId :

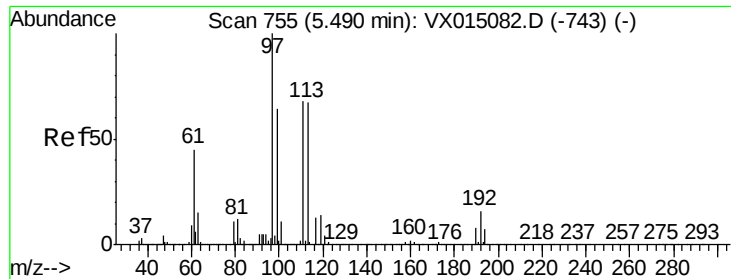
Tot Ion: 65 Resp: 207480
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

Tgt Ion: 114 Resp: 549584
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.1 0.0 30.6

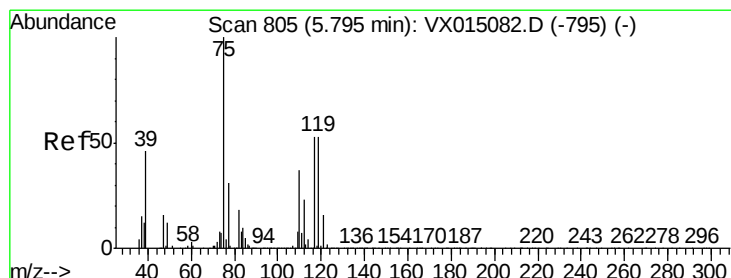
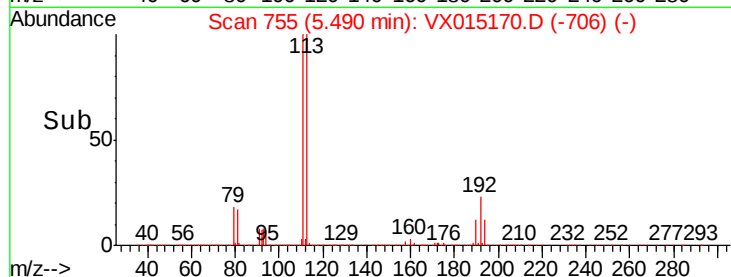
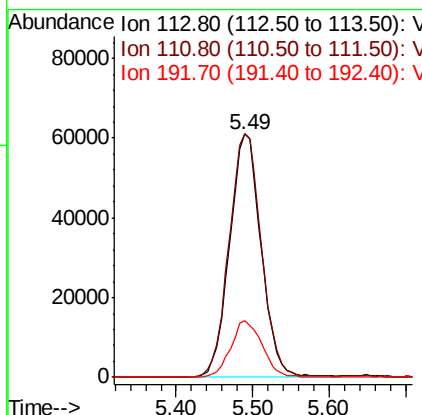
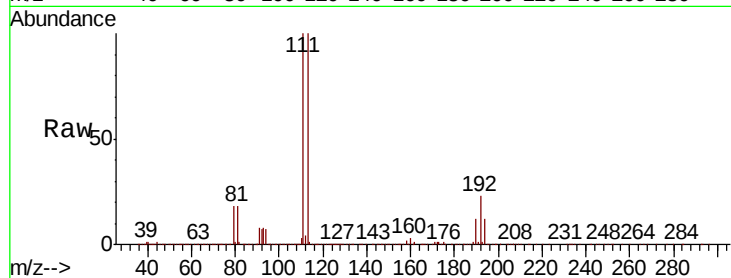




#35
 Dibromofluoromethane
 Concen: 49.945 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

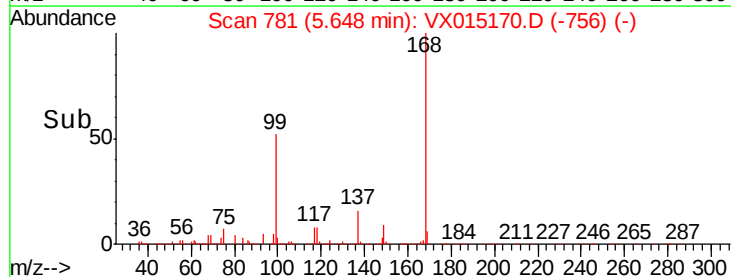
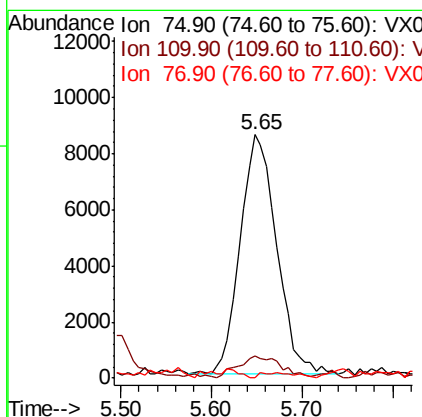
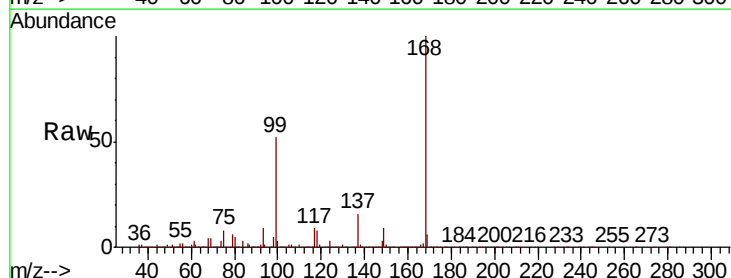
Instrument :
 MSVOA_X
 ClientSampleId :

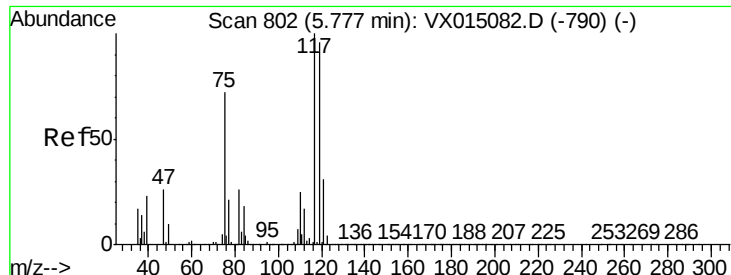
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	23.4	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.690 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	17.9	53.8#
77	0.7	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.376 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015170.D

Acq: 10 Mar 2020 14:56

Instrument :

MSVOA_X

ClientSampled :

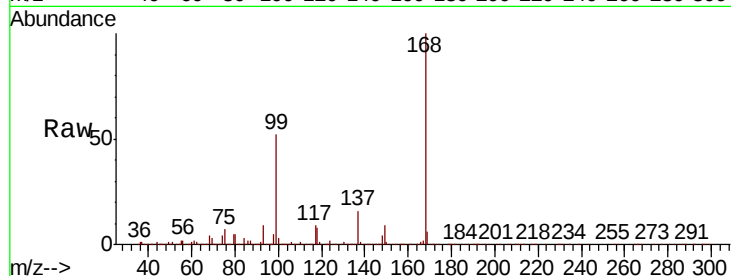
Tot Ion:117 Resp: 30577

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

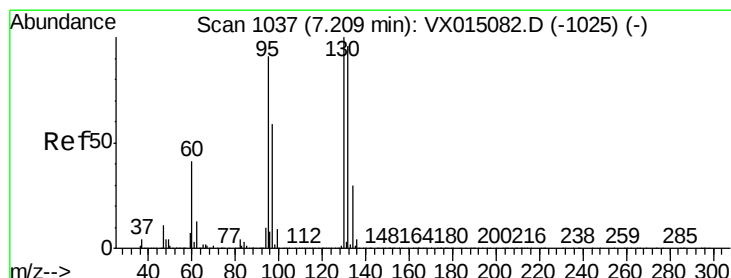
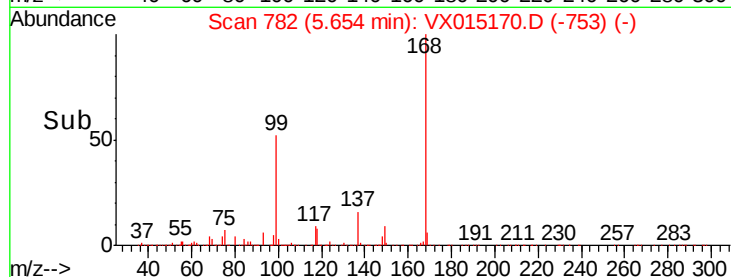
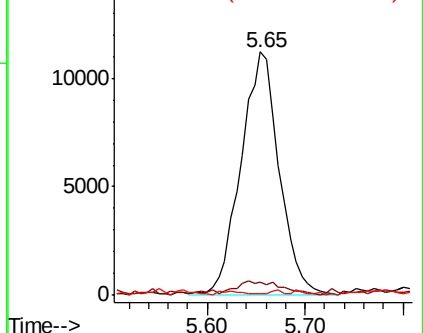
121 0.9 24.6 37.0#



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: 46.506 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015170.D

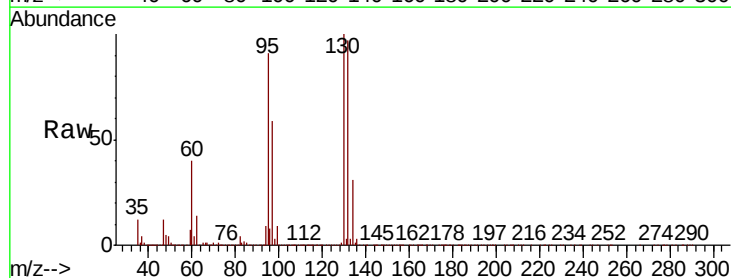
Acq: 10 Mar 2020 14:56

Tgt Ion:130 Resp: 195229

Ion Ratio Lower Upper

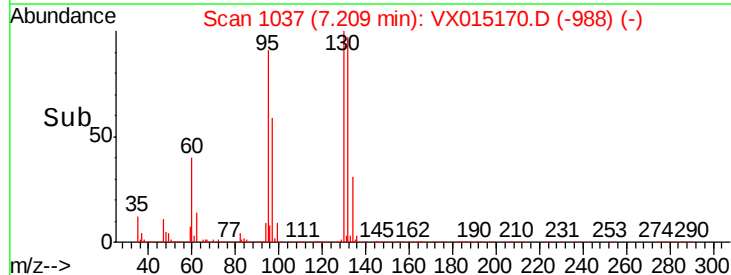
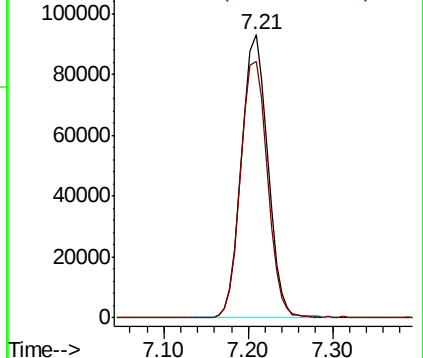
130 100

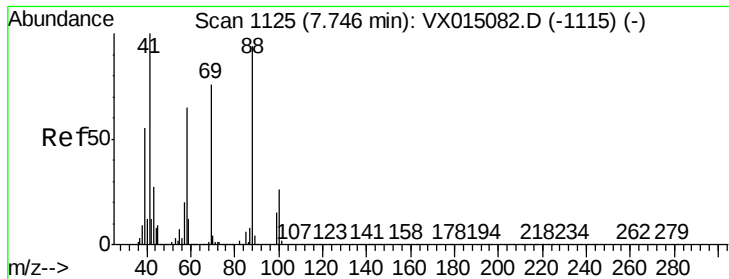
95 90.7 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

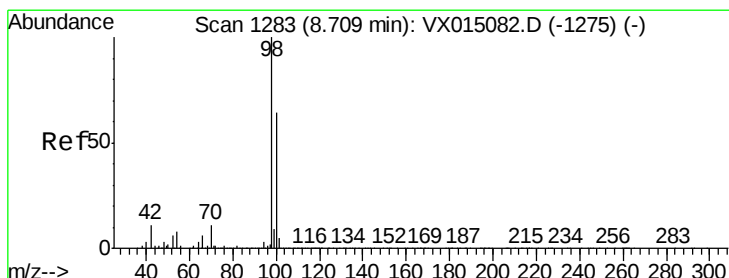
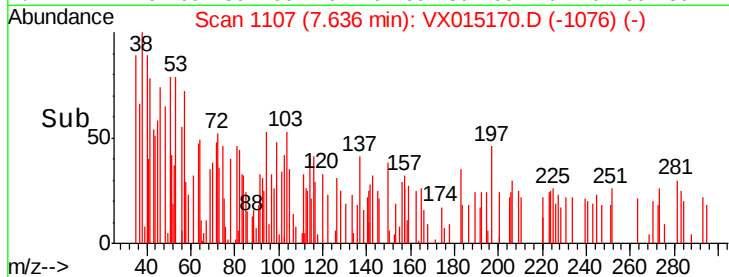
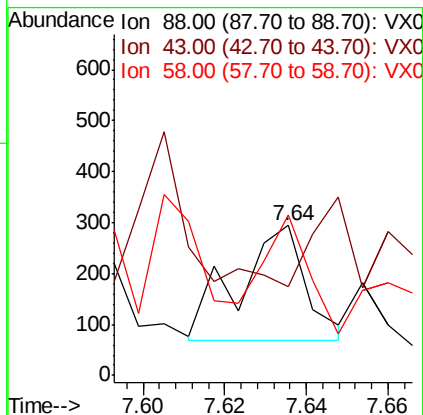
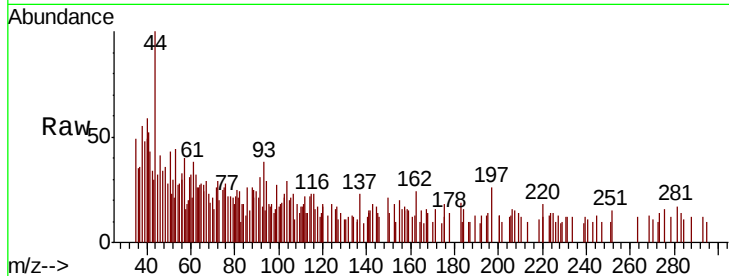




#49
1,4-Dioxane
Concen: 2.828 ug/l
RT: 7.64 min Scan# 1107
Delta R.T. -0.11 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

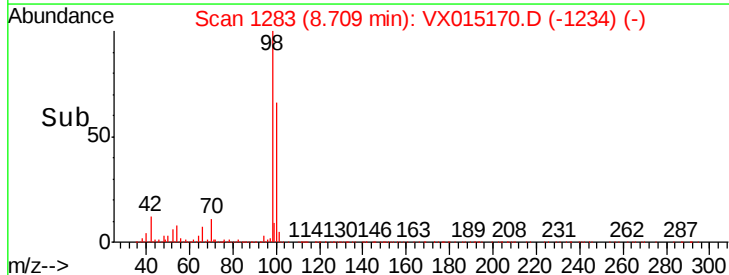
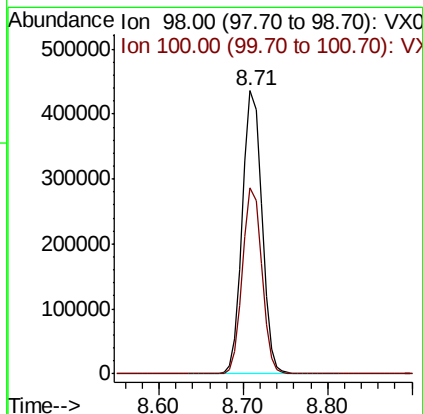
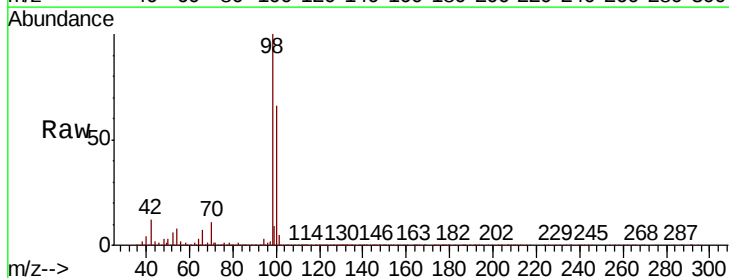
Instrument :
MSVOA_X
ClientSampleId :

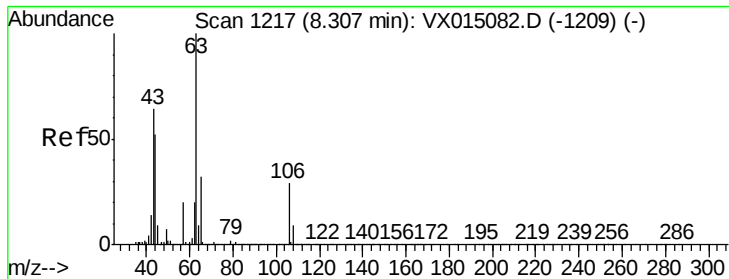
Tot Ion: 88 Resp: 258
Ion Ratio Lower Upper
88 100
43 39.9 27.0 40.4
58 68.6 55.6 83.4



#50
Toluene-d8
Concen: 51.111 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Tgt Ion: 98 Resp: 674078
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6

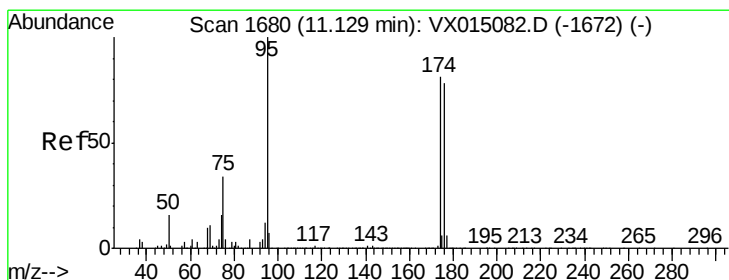
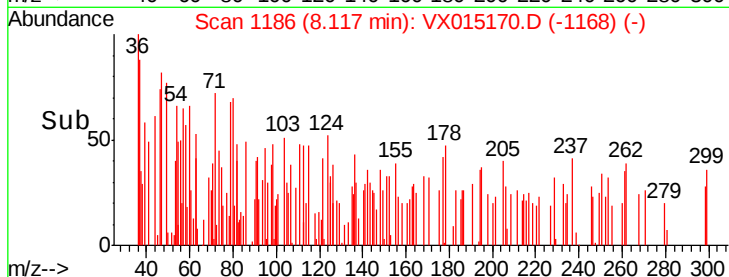
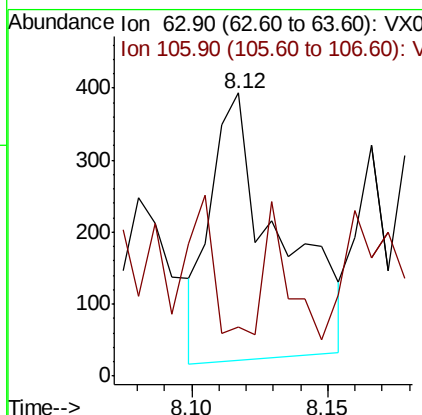
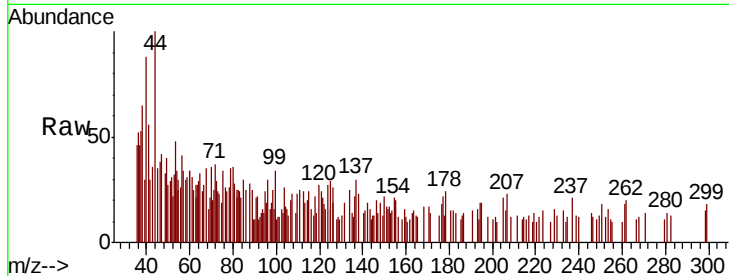




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.218 ug/l
 RT: 8.12 min Scan# 1186
 Delta R.T. -0.19 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

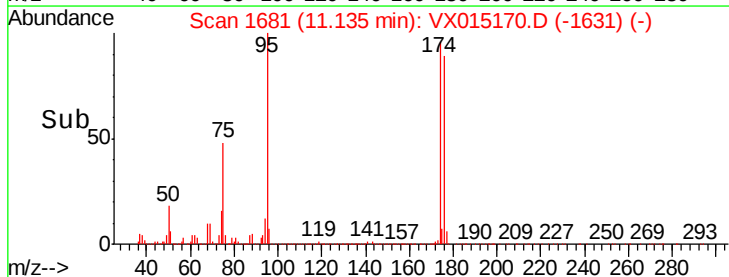
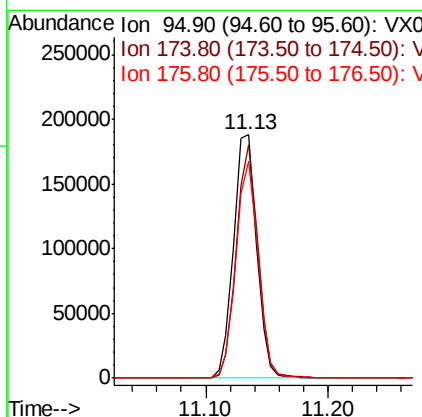
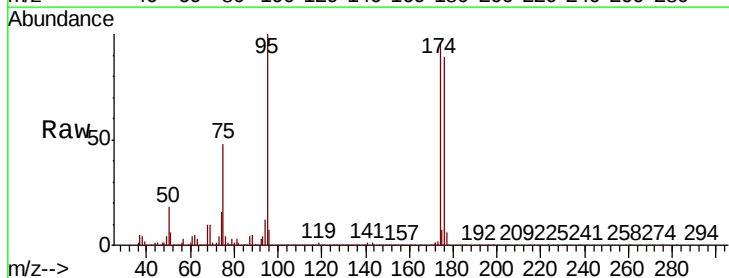
Instrument :
 MSVOA_X
 ClientSampled :

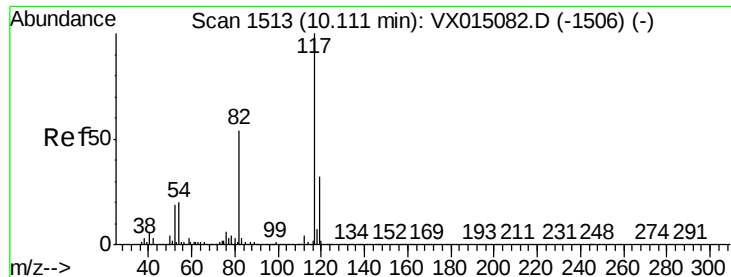
Tot Ion: 63 Resp: 644
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.8 34.2



#62
 4-Bromofluorobenzene
 Concen: 52.107 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX015170.D
 Acq: 10 Mar 2020 14:56

Tgt Ion: 95 Resp: 245121
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 177.6
 176 85.4 0.0 170.2

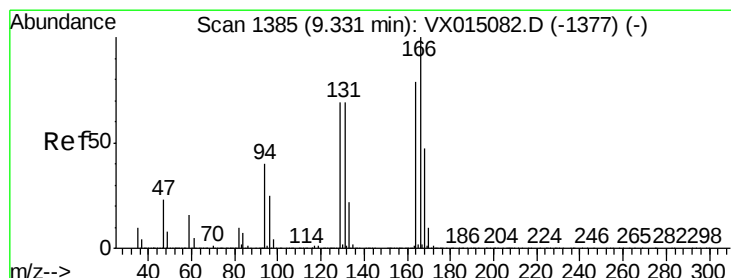
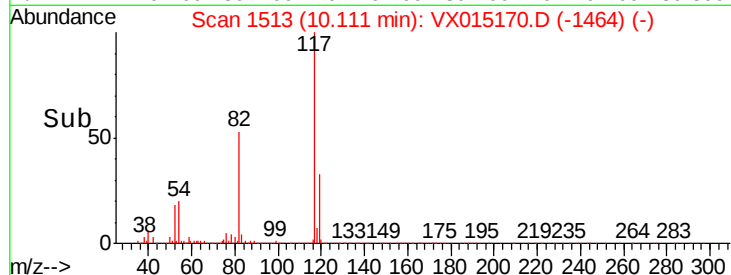
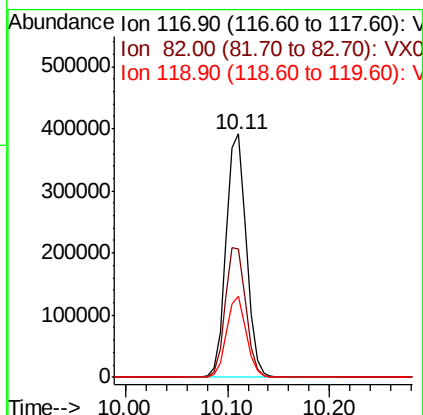
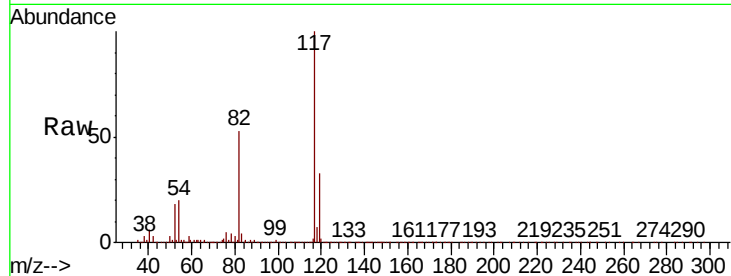




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

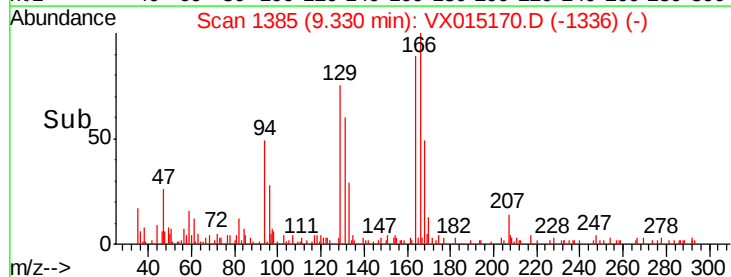
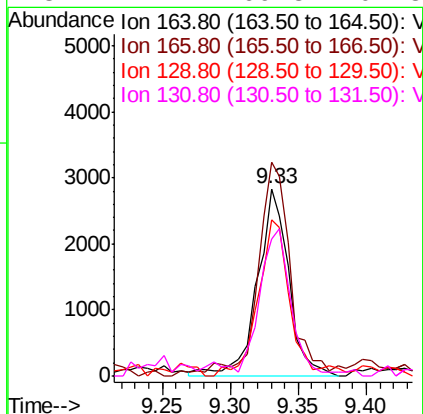
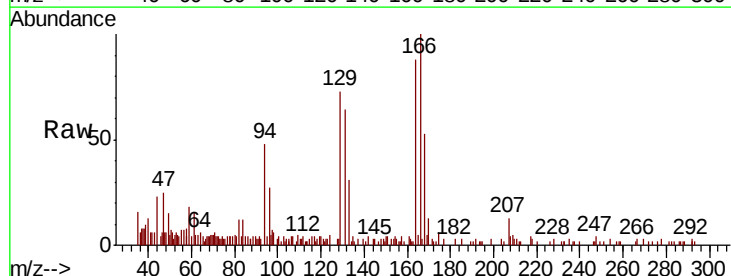
Instrument :
MSVOA_X
ClientSampled :

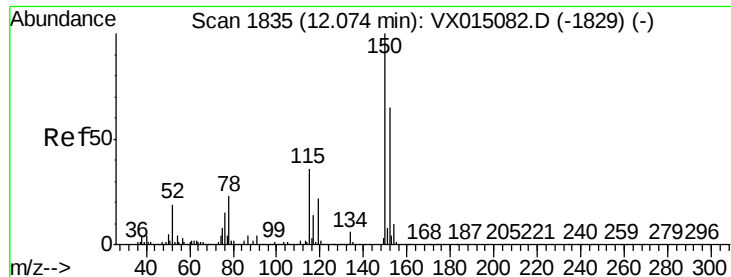
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.3	64.9
119	33.1	25.8	38.8



#64
Tetrachloroethene
Concen: 1.040 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.1	101.1	151.7
129	79.4	69.4	104.0
131	71.2	69.8	104.8



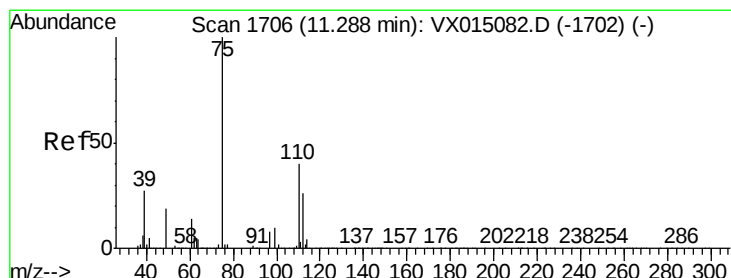
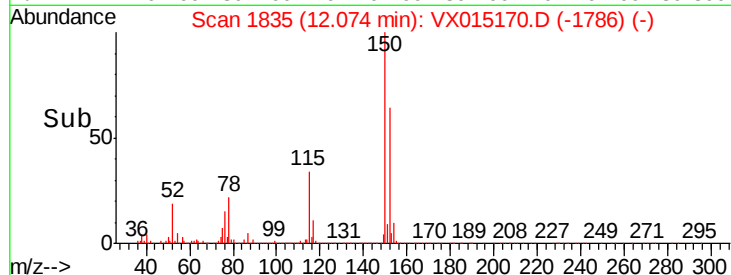
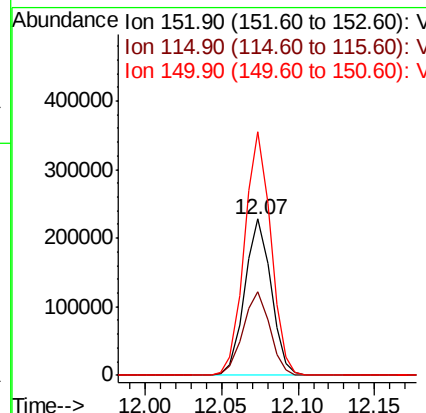
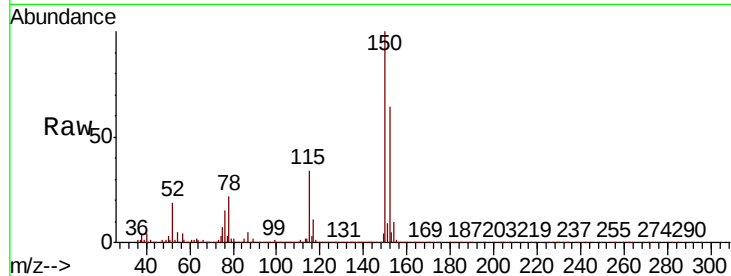


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Instrument :
MSVOA_X
ClientSampleId :

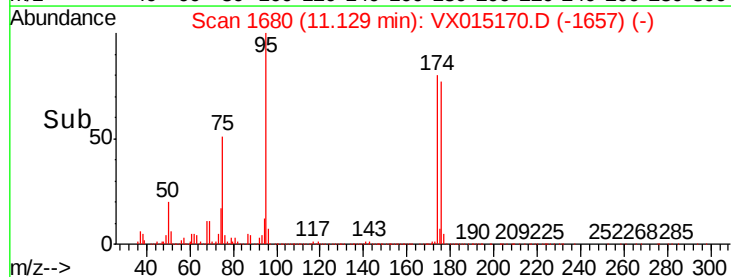
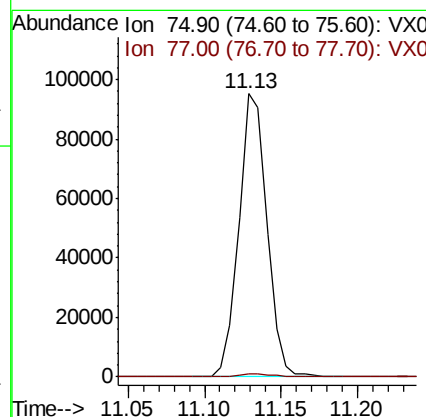
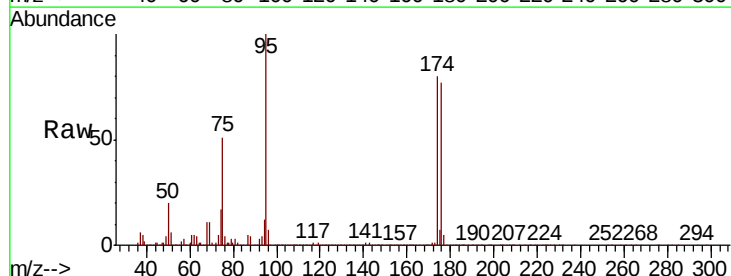
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.2	114.6
150	155.3	0.0	343.8

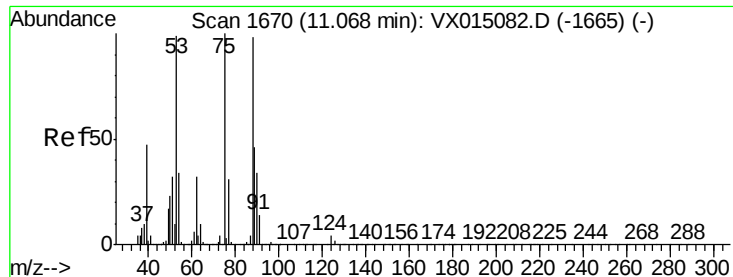


#76

1,2,3-Trichloropropane
Concen: 22.136 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015170.D
Acq: 10 Mar 2020 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	22.6	67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.821 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015170.D

Acq: 10 Mar 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

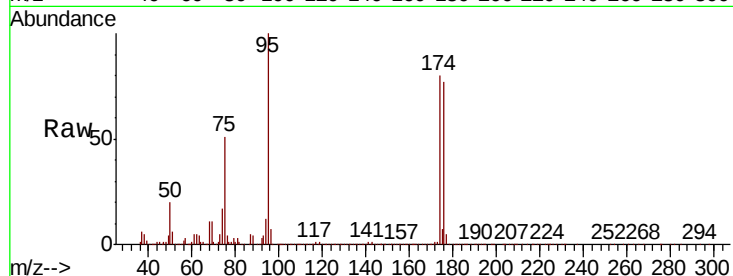
Tot Ion: 75 Resp: 120672

Ion Ratio Lower Upper

75 100

53 0.5 77.9 116.9#

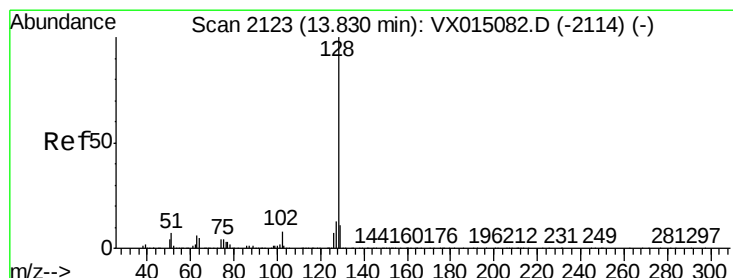
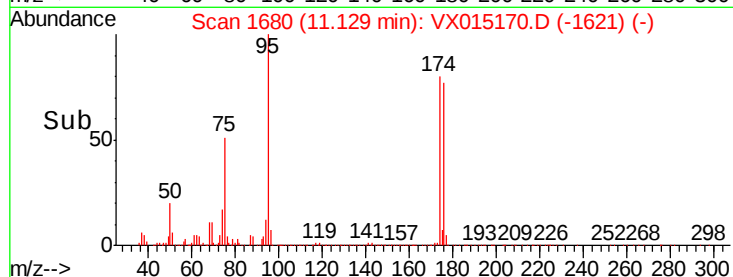
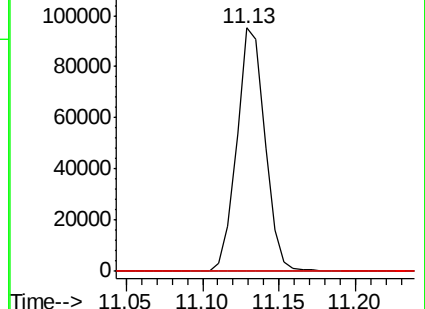
89 0.2 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.450 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX015170.D

Acq: 10 Mar 2020 14:56

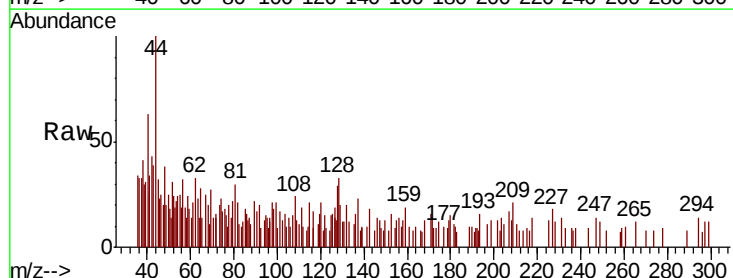
Tgt Ion: 128 Resp: 554

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

