

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082120\
 Data File : VX018050.D
 Acq On : 21 Aug 2020 11:36
 Operator : JC/SP
 Sample : VX0821WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 23:50:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	651727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1073239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	993288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	463700	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	454159	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	5.46	113	344371	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
50) Toluene-d8	8.70	98	1319607	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.12	95	464340	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

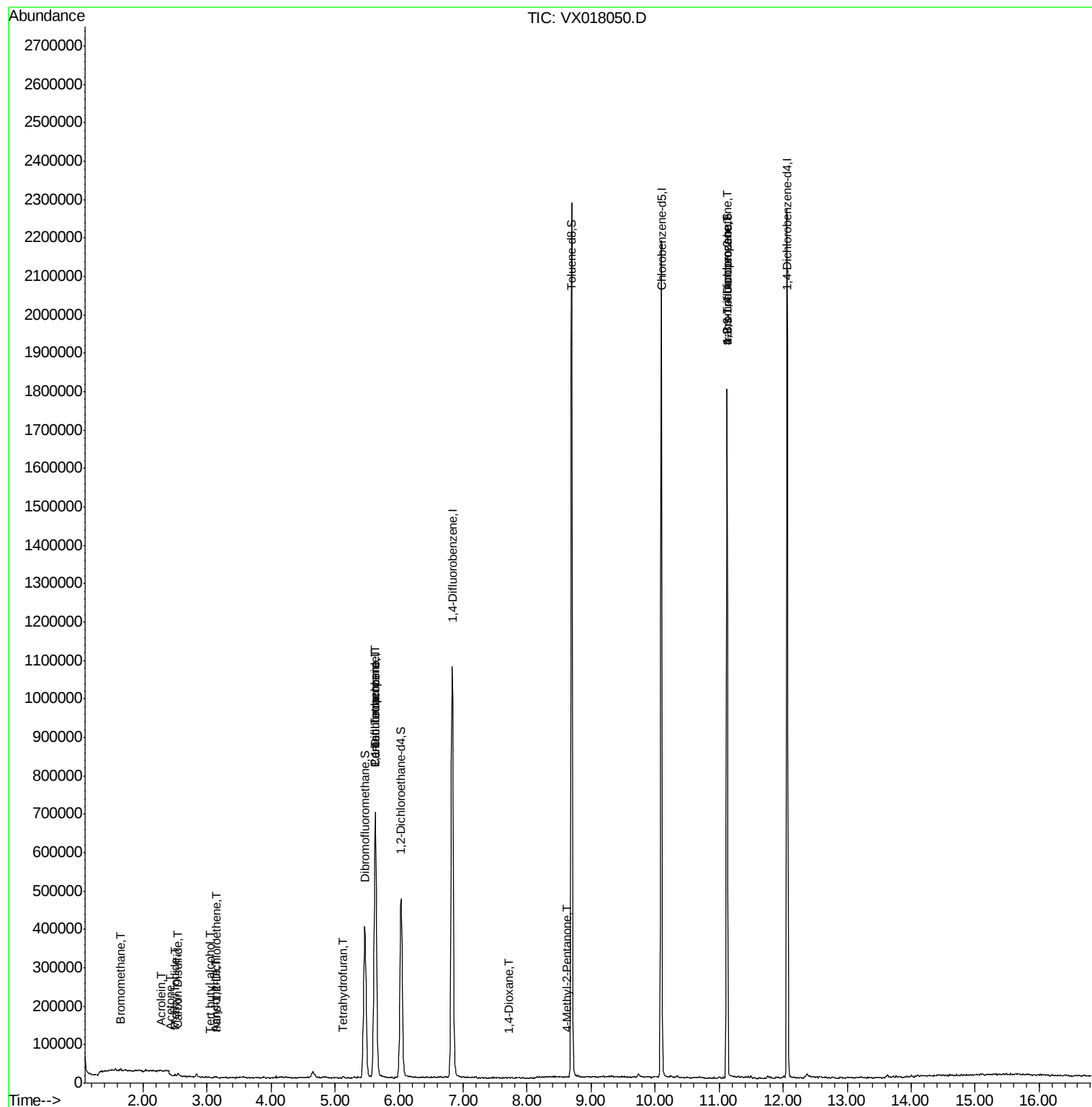
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1992	0.496	ug/l #	68
10) Methyl Iodide	2.50	142	2176	5.583	ug/l #	64
11) Tert butyl alcohol	3.04	59	380	0.216	ug/l #	9
13) Acrolein	2.28	56	853	1.169	ug/l #	77
15) Acrylonitrile	3.12	53	1610	0.403	ug/l #	70
16) Acetone	2.42	43	3316	0.941	ug/l #	73
17) Carbon Disulfide	2.54	76	7242	0.376	ug/l #	86
20) Methylene Chloride	2.83	84	4135	Below Cal		94
21) trans-1,2-Dichloroethene	3.14	96	1507	0.214	ug/l #	59
29) Tetrahydrofuran	5.11	42	1006	0.273	ug/l	98
36) 1,1-Dichloropropene	5.63	75	51107	5.163	ug/l #	50
38) Carbon Tetrachloride	5.63	117	67299	6.033	ug/l #	16
49) 1,4-Dioxane	7.70	88	45	0.269	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2573	0.224	ug/l #	73
76) 1,2,3-Trichloropropane	11.12	75	228798	22.181	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	228798	59.906	ug/l #	12

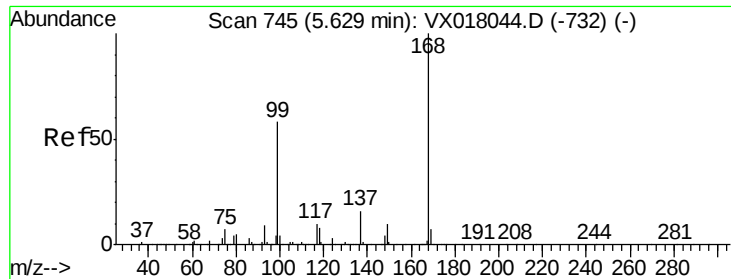
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

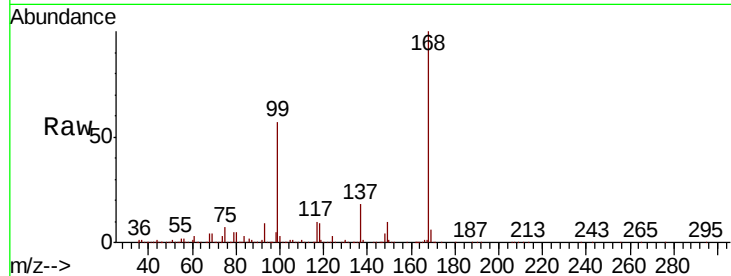
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 651727

Ion Ratio Lower Upper

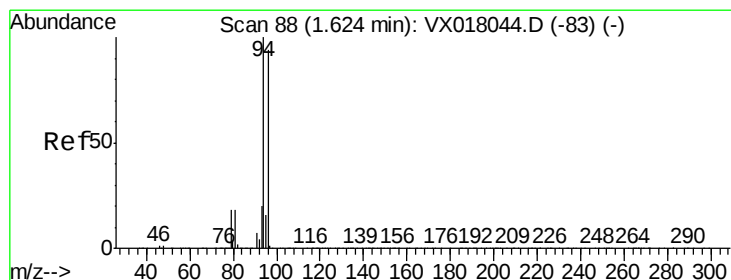
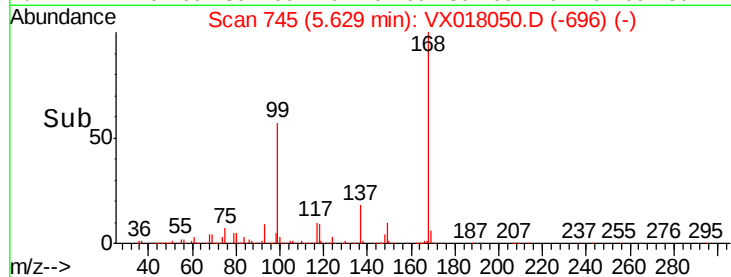
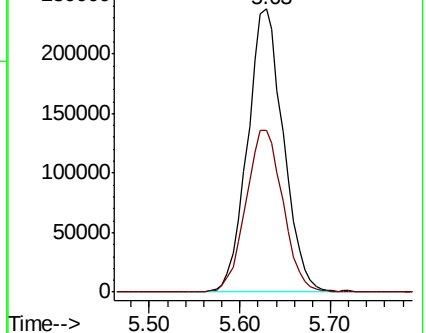
168 100

99 57.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.496 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018050.D

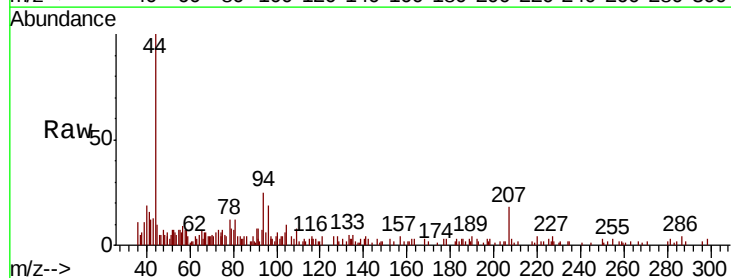
Acq: 21 Aug 2020 11:36

Tgt Ion: 94 Resp: 1992

Ion Ratio Lower Upper

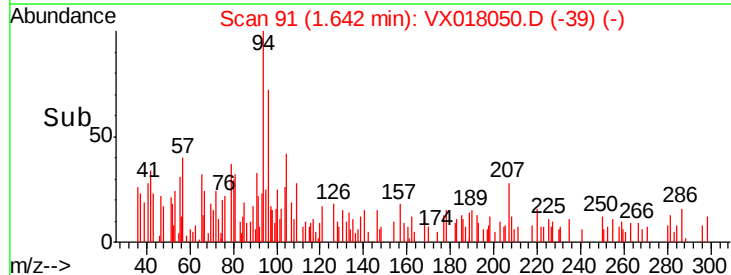
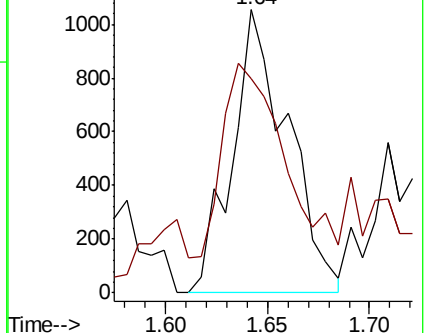
94 100

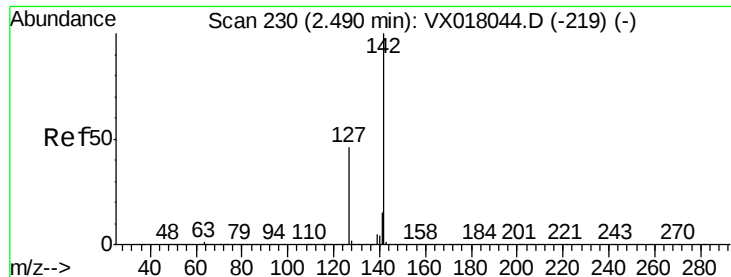
96 63.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

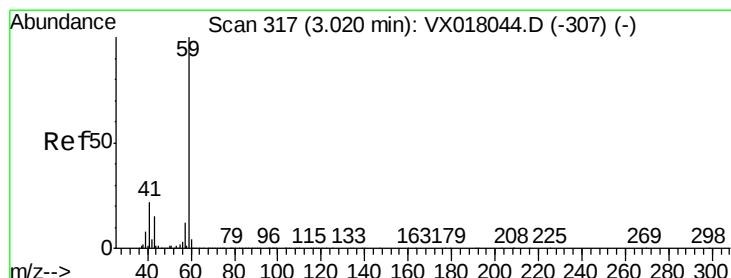
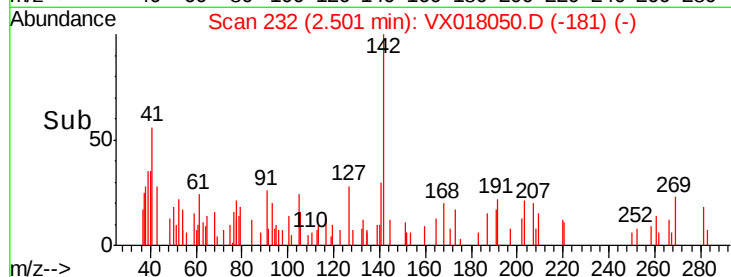
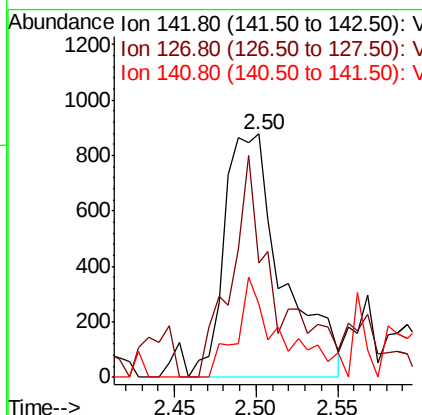
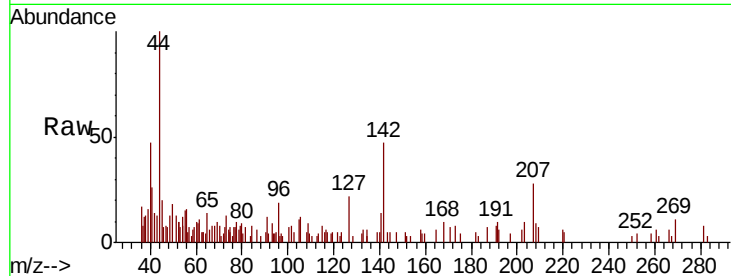




#10
Methvl Iodide
Concen: 5.583 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

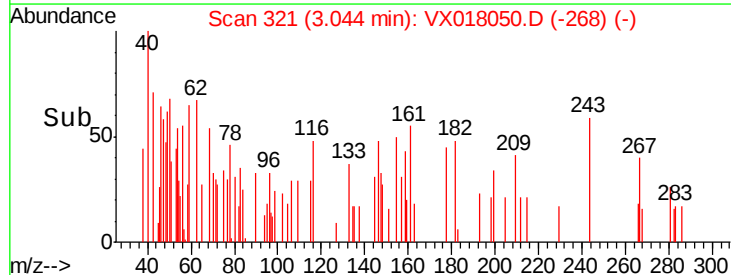
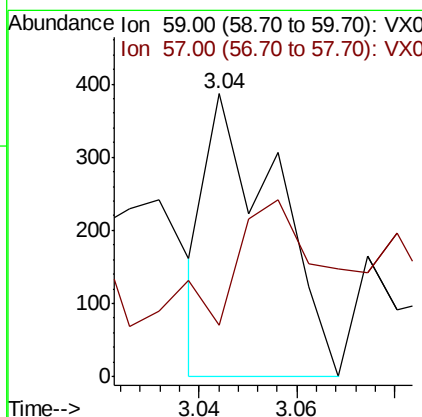
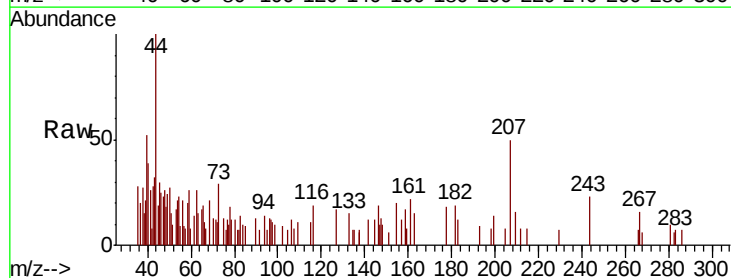
Instrument :
MSVOA_X
ClientSampled :

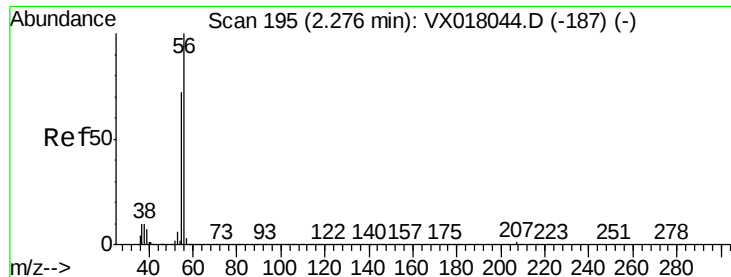
Tot Ion:142 Resp: 2176
Ion Ratio Lower Upper
142 100
127 69.7 37.0 55.6#
141 30.5 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.216 ug/l
RT: 3.04 min Scan# 321
Delta R.T. 0.02 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 45.5 8.9 13.3#





#13

Acrolein

Concen: 1.169 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

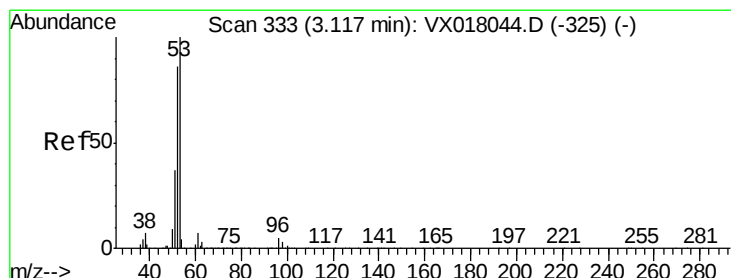
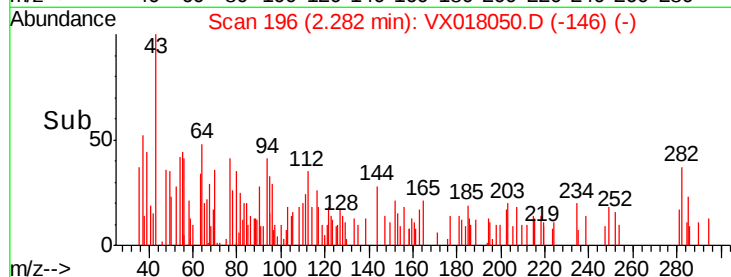
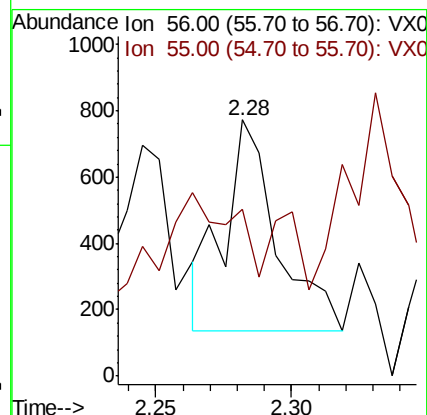
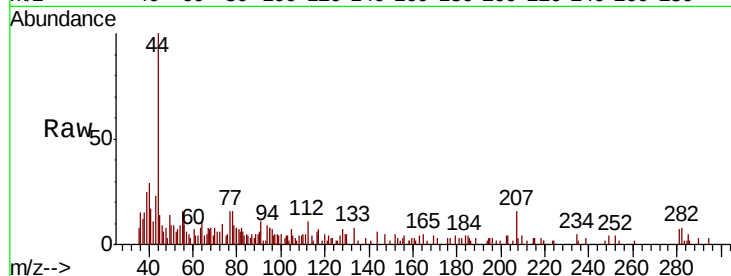
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 853

Ion Ratio Lower Upper

56 100

55 52.5 57.0 85.6#



#15

Acrylonitrile

Concen: 0.403 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

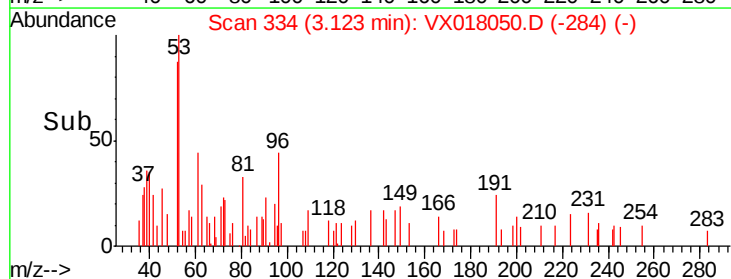
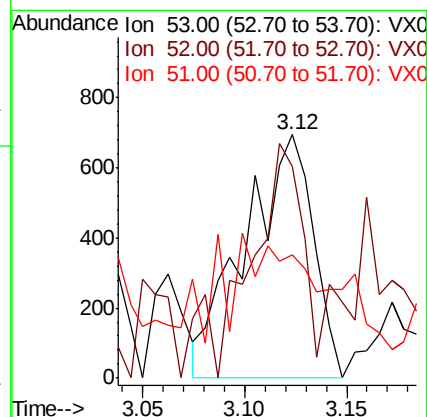
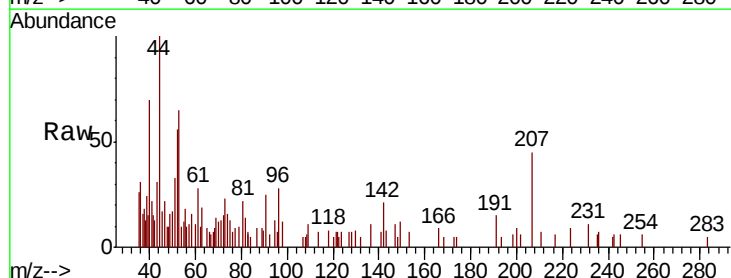
Tgt Ion: 53 Resp: 1610

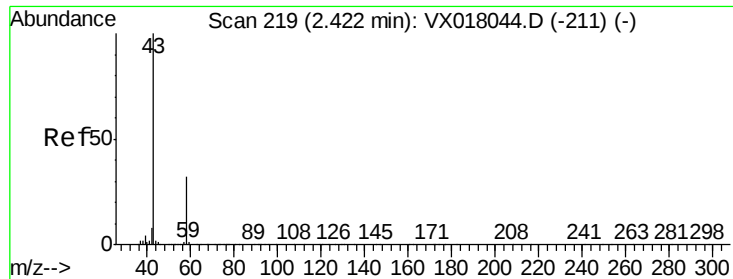
Ion Ratio Lower Upper

53 100

52 68.8 66.9 100.3

51 0.0 28.7 43.1#

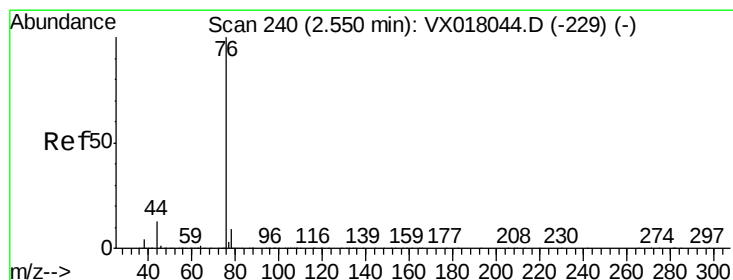
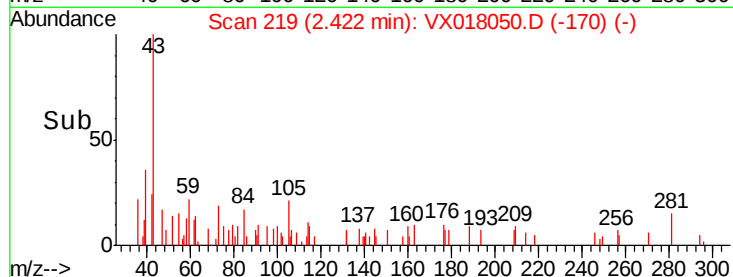
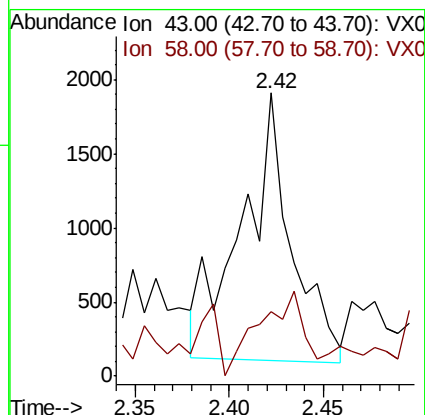
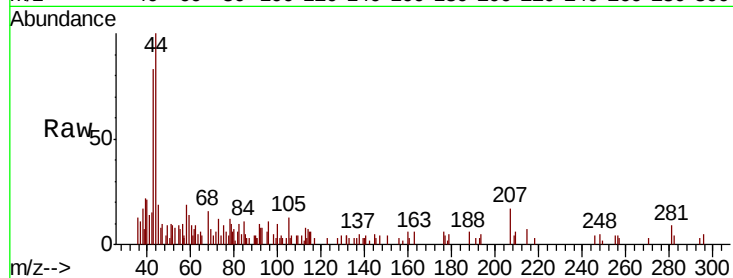




#16
Acetone
Concen: 0.941 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

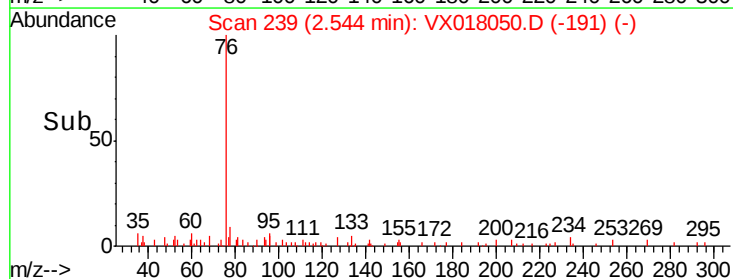
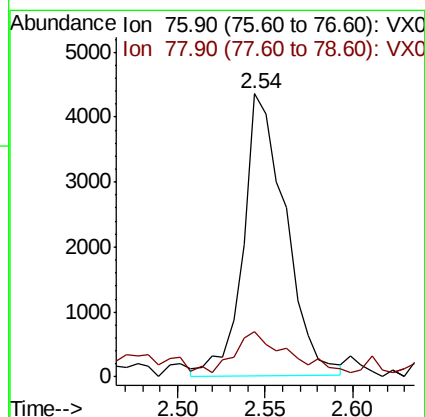
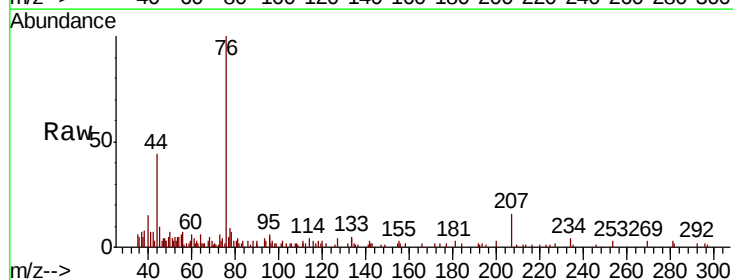
Instrument :
MSVOA_X
ClientSampleId :

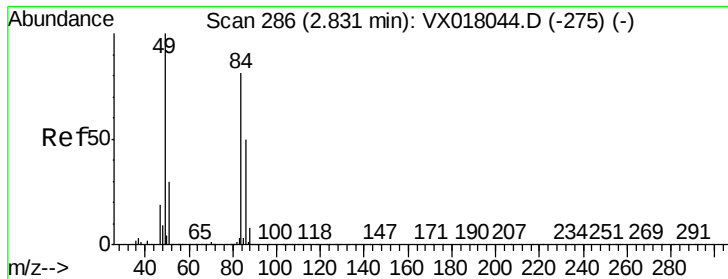
Tot Ion: 43 Resp: 3316
Ion Ratio Lower Upper
43 100
58 16.7 25.5 38.3#



#17
Carbon Disulfide
Concen: 0.376 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

Tgt Ion: 76 Resp: 7242
Ion Ratio Lower Upper
76 100
78 14.5 7.4 11.0#



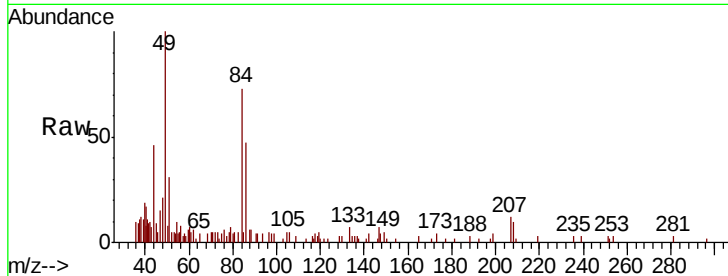


#20

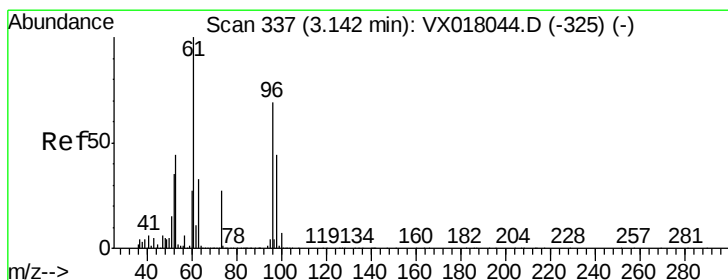
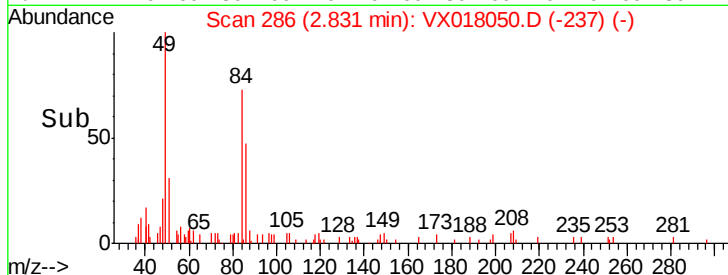
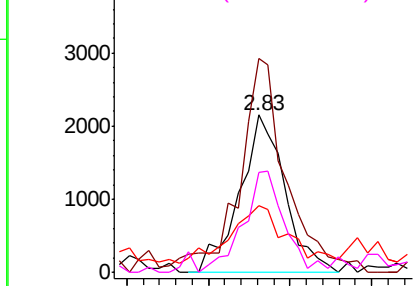
Methylene Chloride
 Concen: Below Cal
 RT: 2.83 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VX018050.D
 Acq: 21 Aug 2020 11:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	84	Resp:	4135
Ion	Ratio	Lower	Upper
84	100		
49	127.6	98.6	148.0
51	34.5	29.6	44.4
86	53.7	49.8	74.6



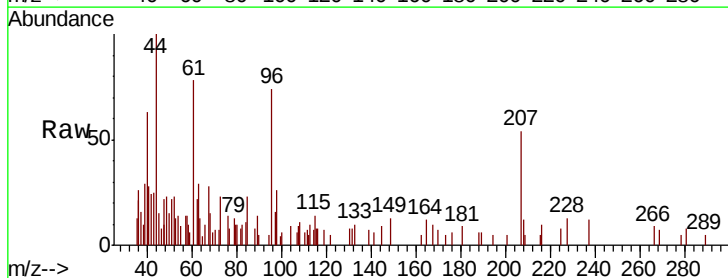
Abundance Ion 83.90 (83.60 to 84.60): VX0
 Ion 48.90 (48.60 to 49.60): VX0
 Ion 50.90 (50.60 to 51.60): VX0
 Ion 85.90 (85.60 to 86.60): VX0



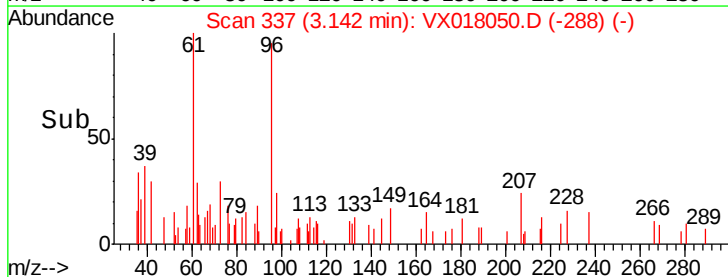
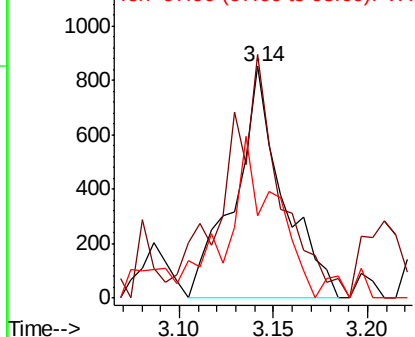
#21

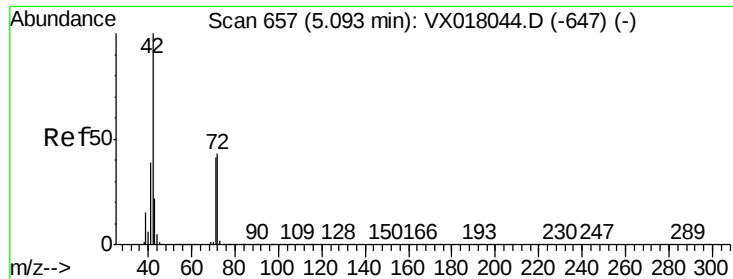
trans-1,2-Dichloroethene
 Concen: 0.214 ug/l
 RT: 3.14 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX018050.D
 Acq: 21 Aug 2020 11:36

Tgt Ion:	96	Resp:	1507
Ion	Ratio	Lower	Upper
96	100		
61	96.8	115.4	173.0#
98	25.9	51.1	76.7#



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

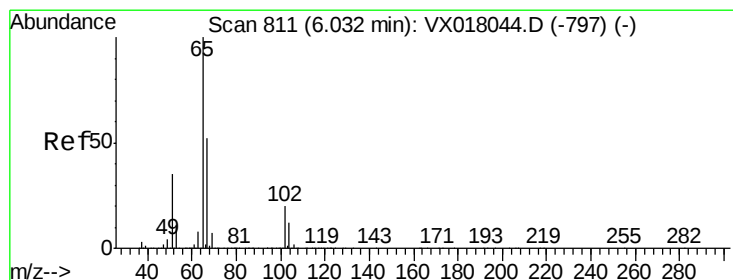
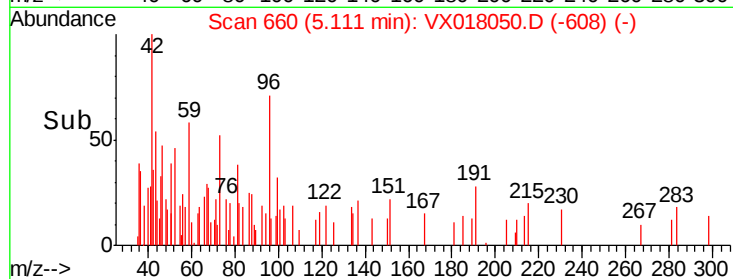
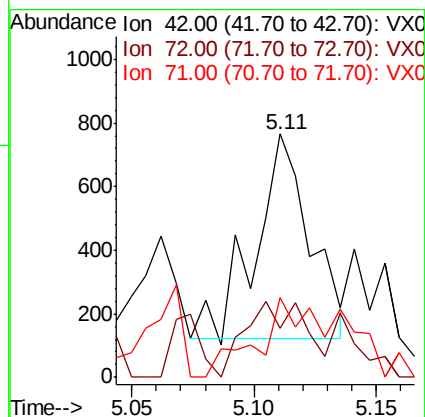
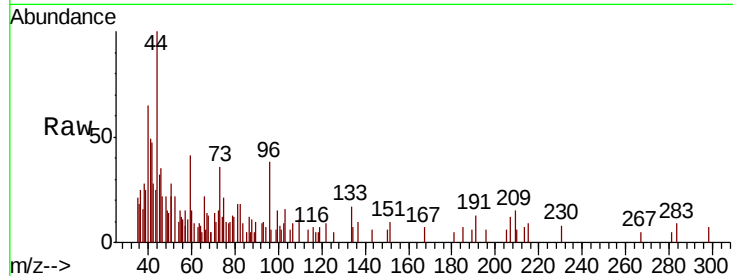




#29
Tetrahydrofuran
Concen: 0.273 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

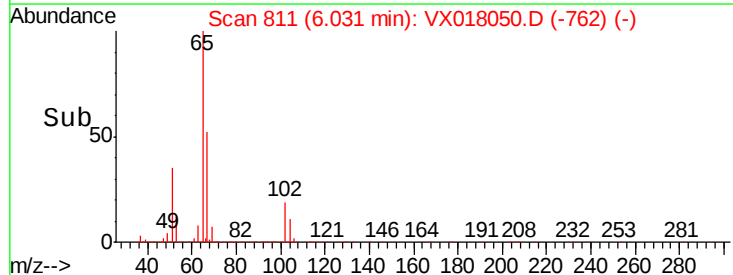
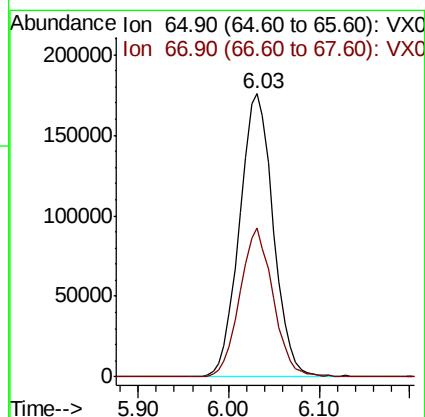
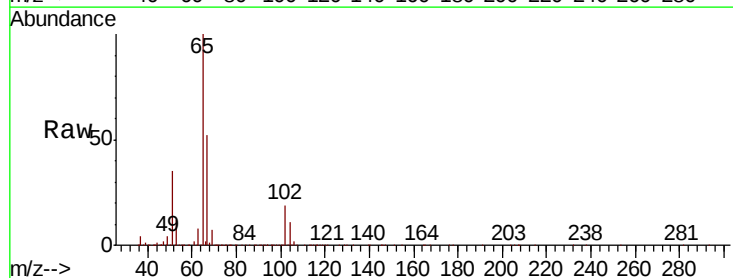
Instrument :
MSVOA_X
ClientSampled :

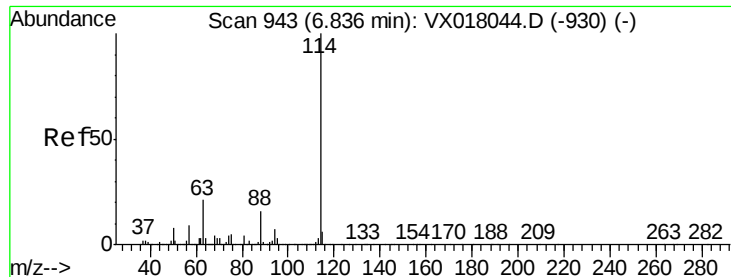
Tot Ion: 42 Resp: 1006
Ion Ratio Lower Upper
42 100
72 40.8 34.2 51.4
71 40.0 32.1 48.1



#33
1,2-Dichloroethane-d4
Concen: 50.196 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

Tgt Ion: 65 Resp: 454159
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

Instrument :

MSVOA_X

ClientSampleId :

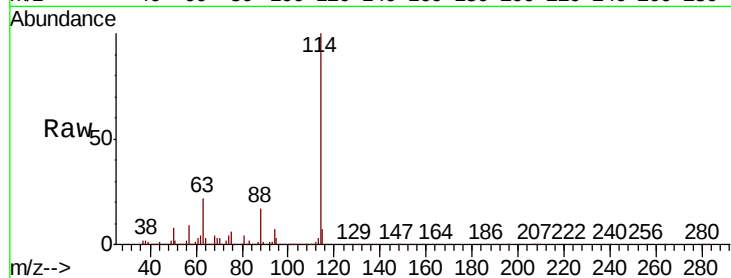
Tot Ion:114 Resp: 1073239

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

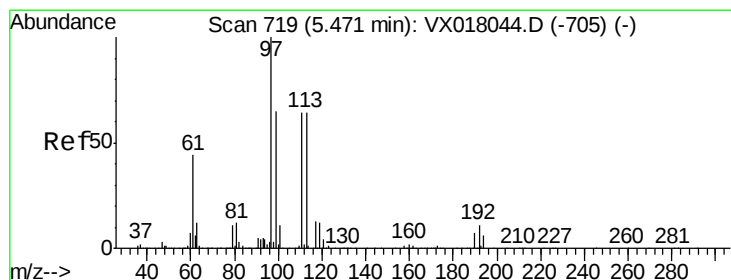
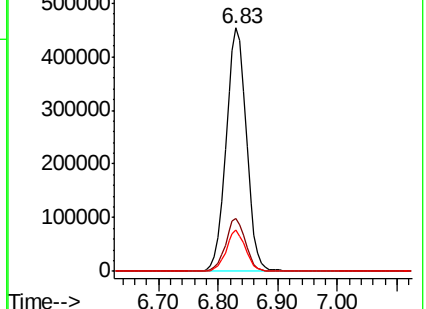
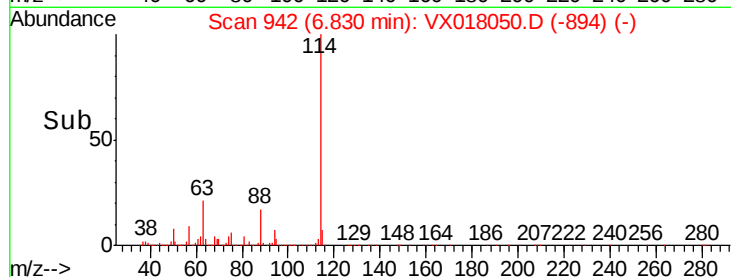
88 16.8 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.114 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

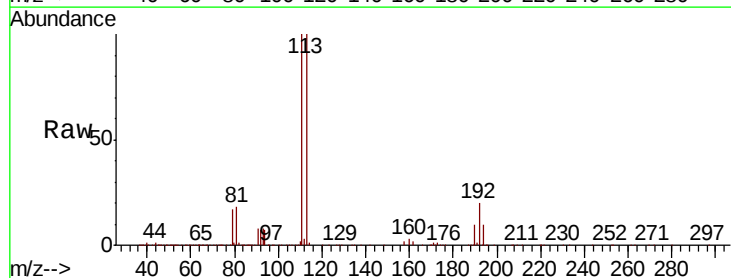
Tgt Ion:113 Resp: 344371

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

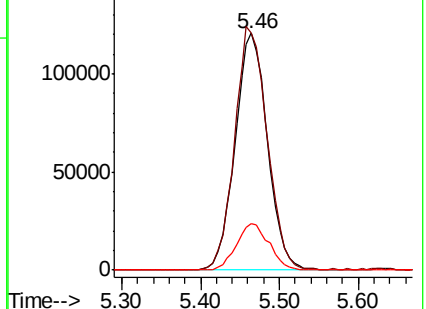
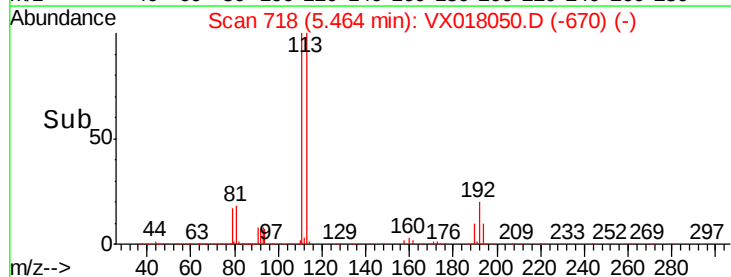
192 20.1 15.8 23.8

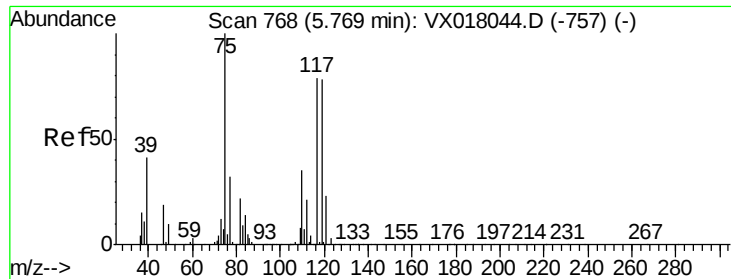


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

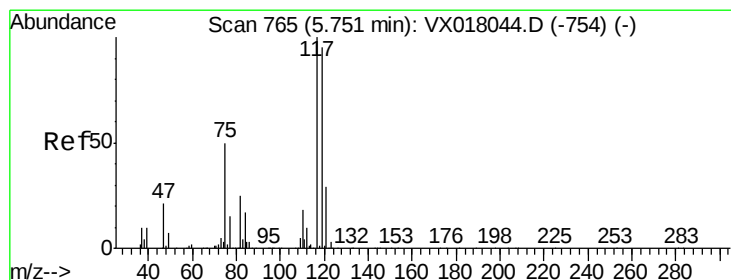
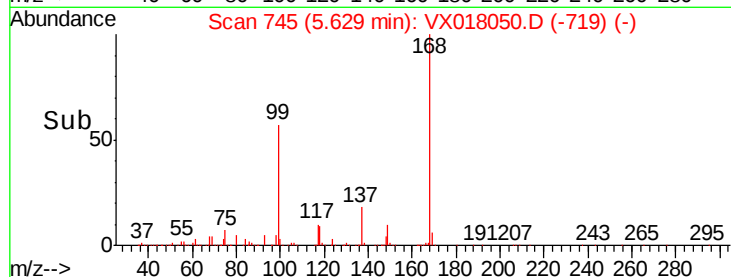
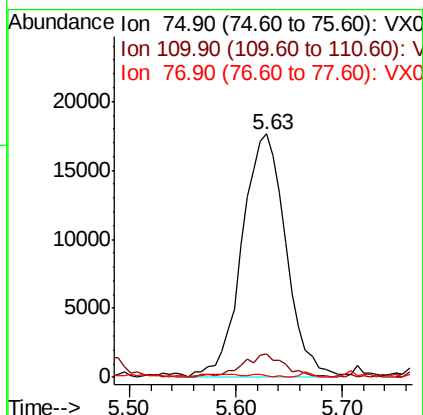
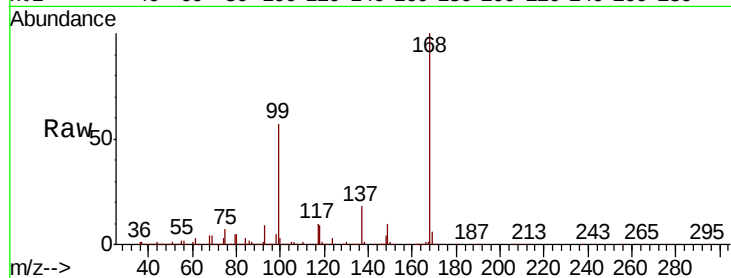




#36
 1,1-Dichloropropene
 Concen: 5.163 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018050.D
 Acq: 21 Aug 2020 11:36

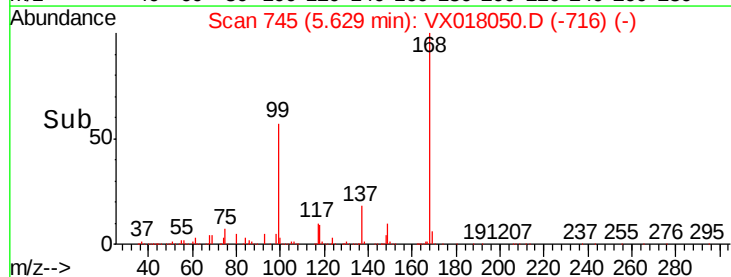
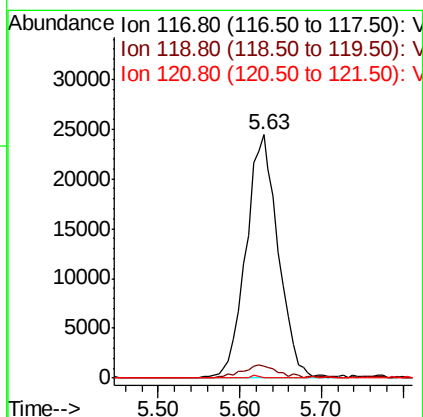
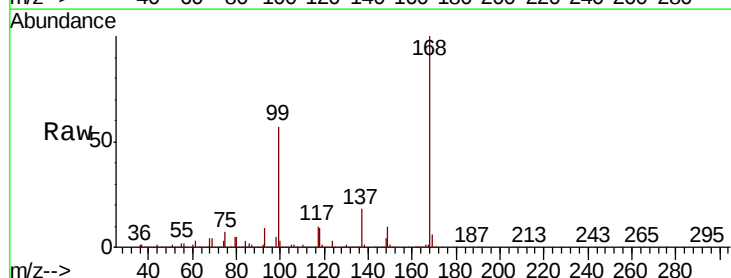
Instrument :
 MSVOA_X
 ClientSampleId :

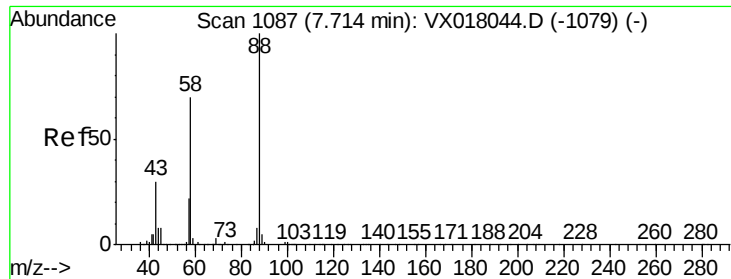
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.0	54.0#
77	0.2	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.033 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018050.D
 Acq: 21 Aug 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.8	113.6#
121	0.2	23.4	35.0#

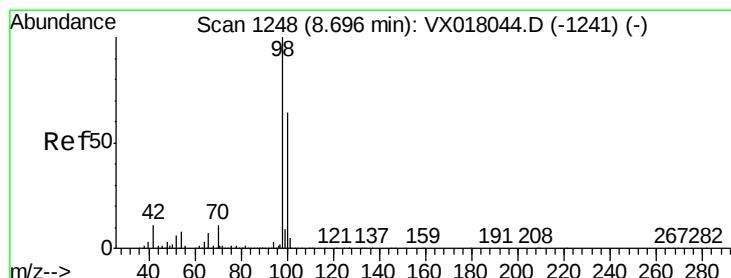
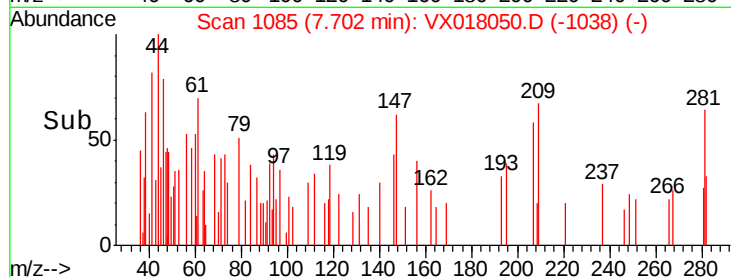
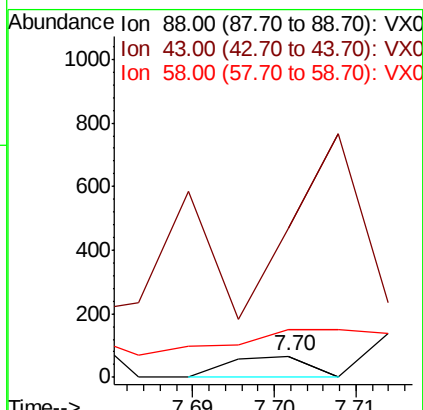
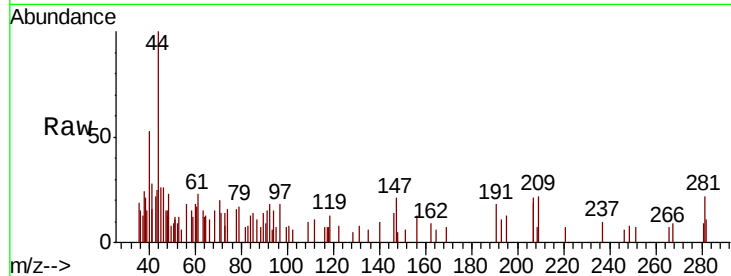




#49
1,4-Dioxane
Concen: 0.269 ug/l
RT: 7.70 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

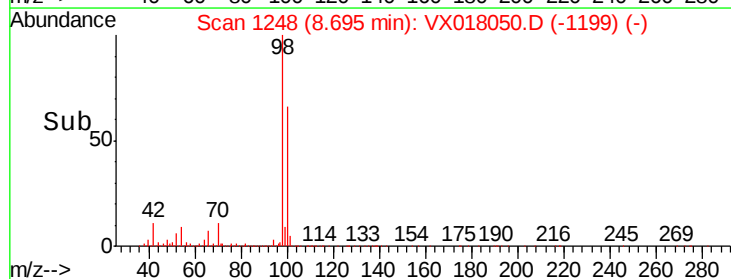
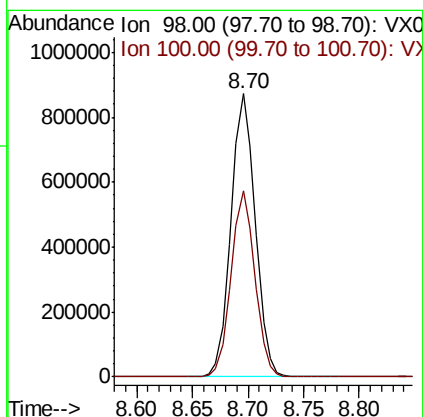
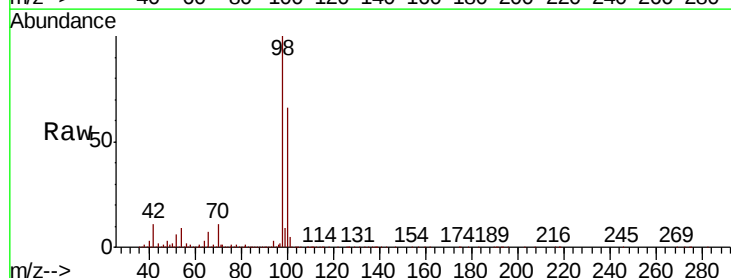
Instrument :
MSVOA_X
ClientSampled :

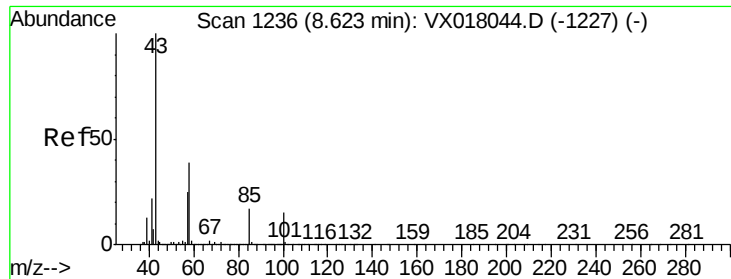
Tot Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 875.6 27.4 41.0#
58 520.0 56.4 84.6#



#50
Toluene-d8
Concen: 48.473 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

Tgt Ion: 98 Resp: 1319607
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

Instrument :

MSVOA_X

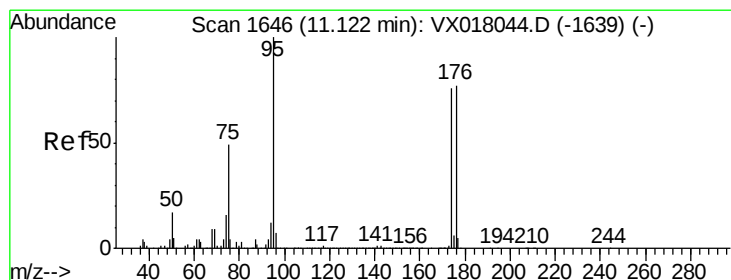
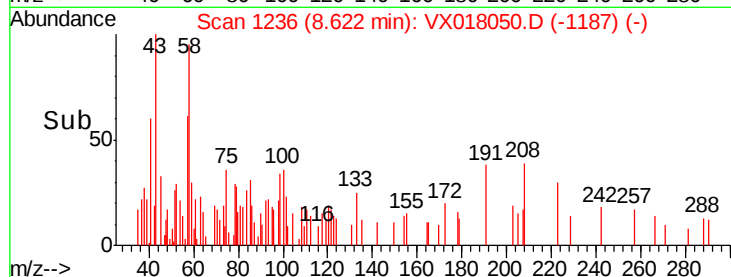
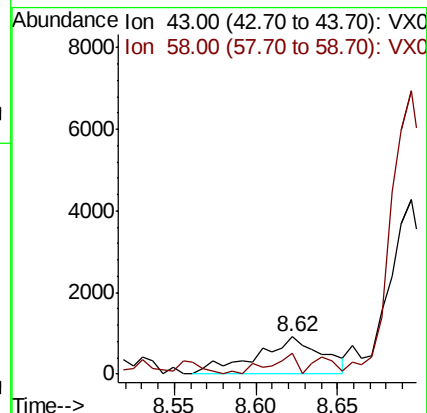
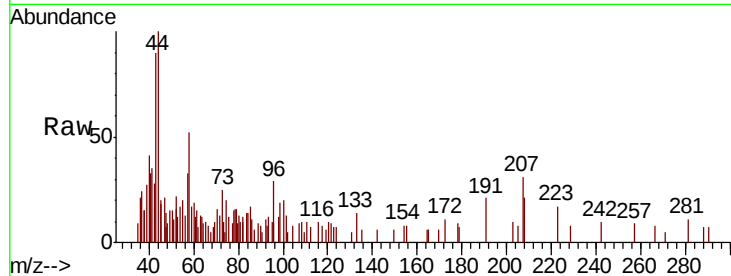
ClientSampleId :

Tot Ion: 43 Resp: 2573

Ion Ratio Lower Upper

43 100

58 22.0 30.7 46.1#



#62

4-Bromofluorobenzene

Concen: 43.352 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

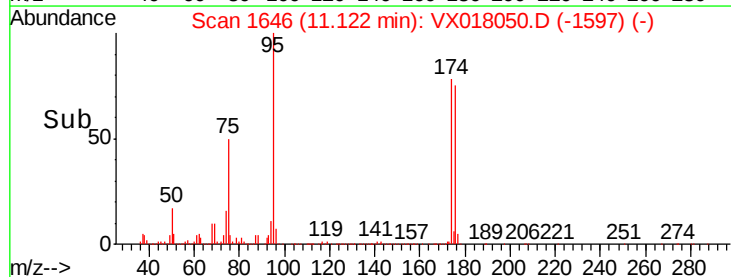
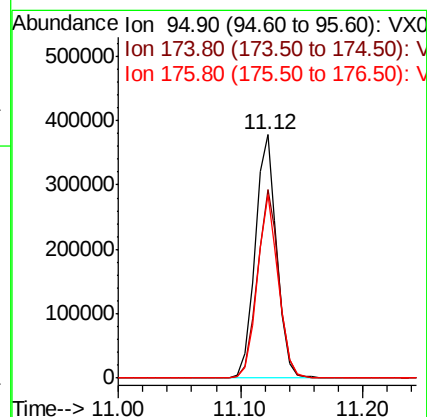
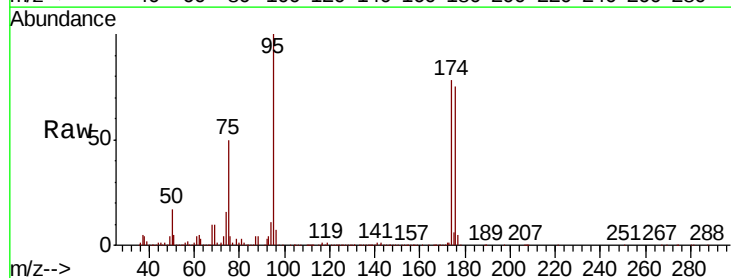
Tgt Ion: 95 Resp: 464340

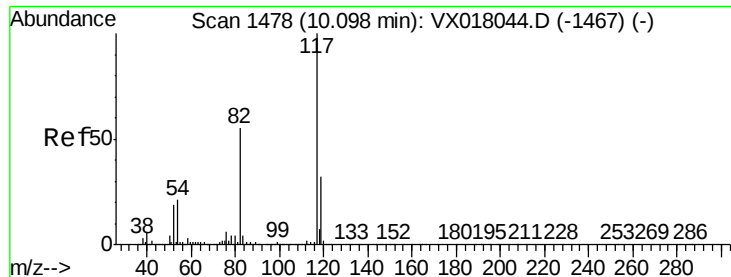
Ion Ratio Lower Upper

95 100

174 77.7 0.0 160.2

176 73.9 0.0 155.8

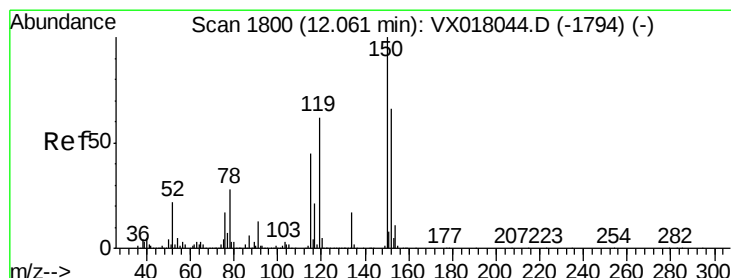
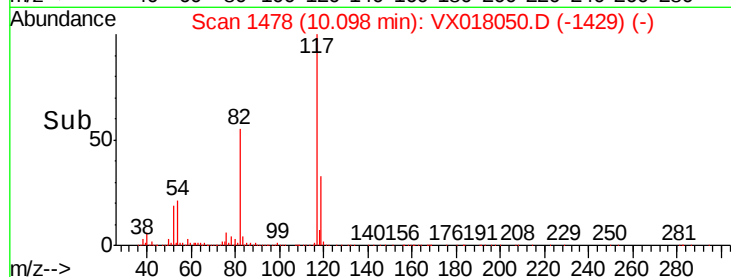
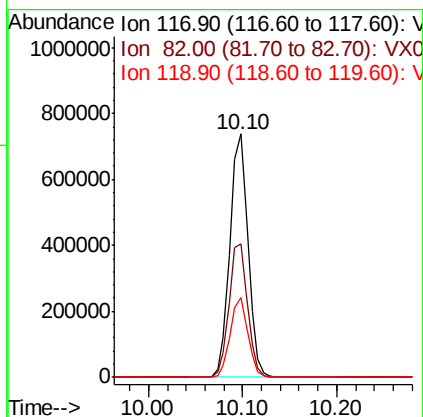
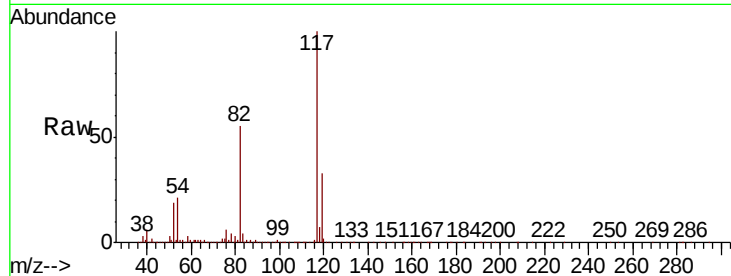




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

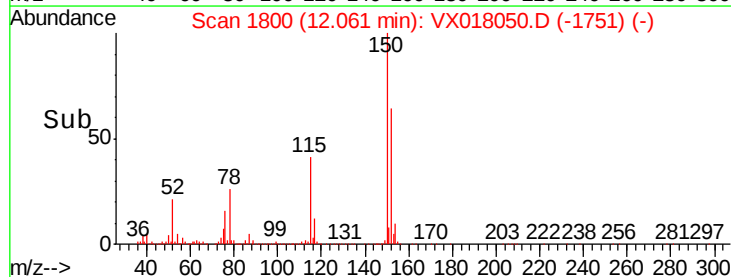
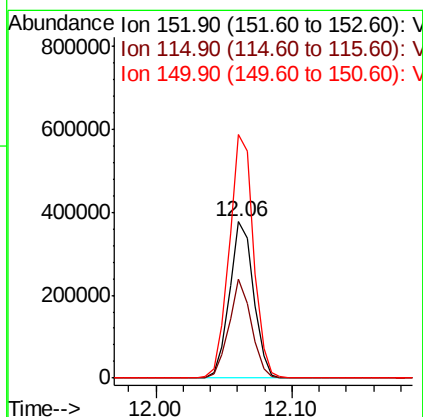
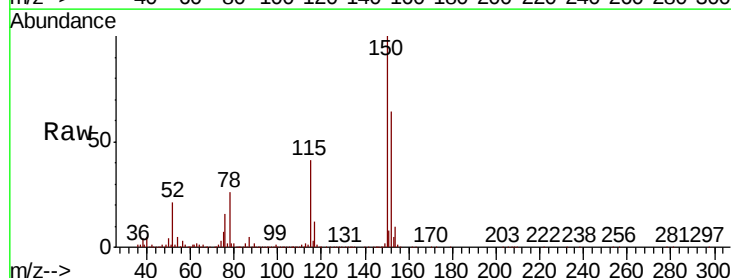
Instrument :
MSVOA_X
ClientSampleId :

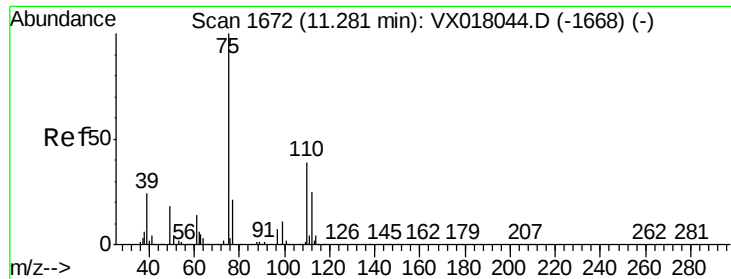
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.2	66.2
119	32.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018050.D
Acq: 21 Aug 2020 11:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	41.5	124.5
150	156.8	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.181 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

Instrument :

MSVOA_X

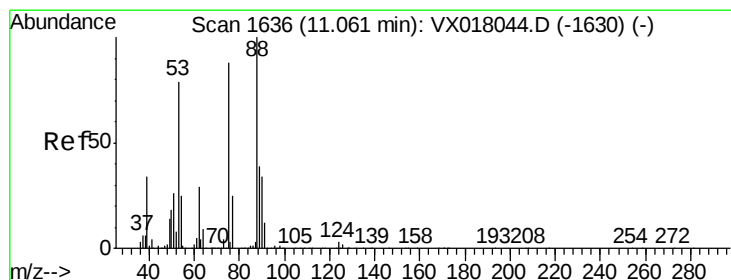
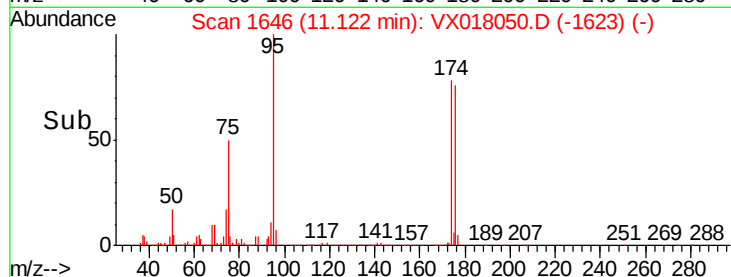
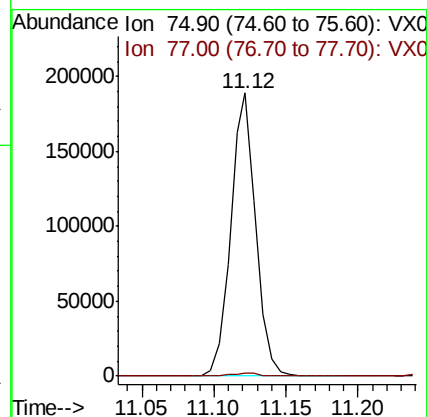
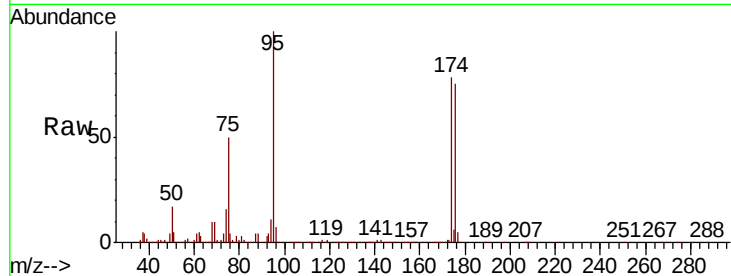
ClientSampleId :

Tot Ion: 75 Resp: 228798

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018050.D

Acq: 21 Aug 2020 11:36

Tgt Ion: 75 Resp: 228798

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.6 54.8#

