

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002750.D
 Acq On : 20 Jun 2018 19:00
 Operator : JC/MD
 Sample : J3597-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 04:00:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	160303	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	143794	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
35) Dibromofluoromethane	5.51	113	117202	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.72	98	423274	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
62) 4-Bromofluorobenzene	11.14	95	149808	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	

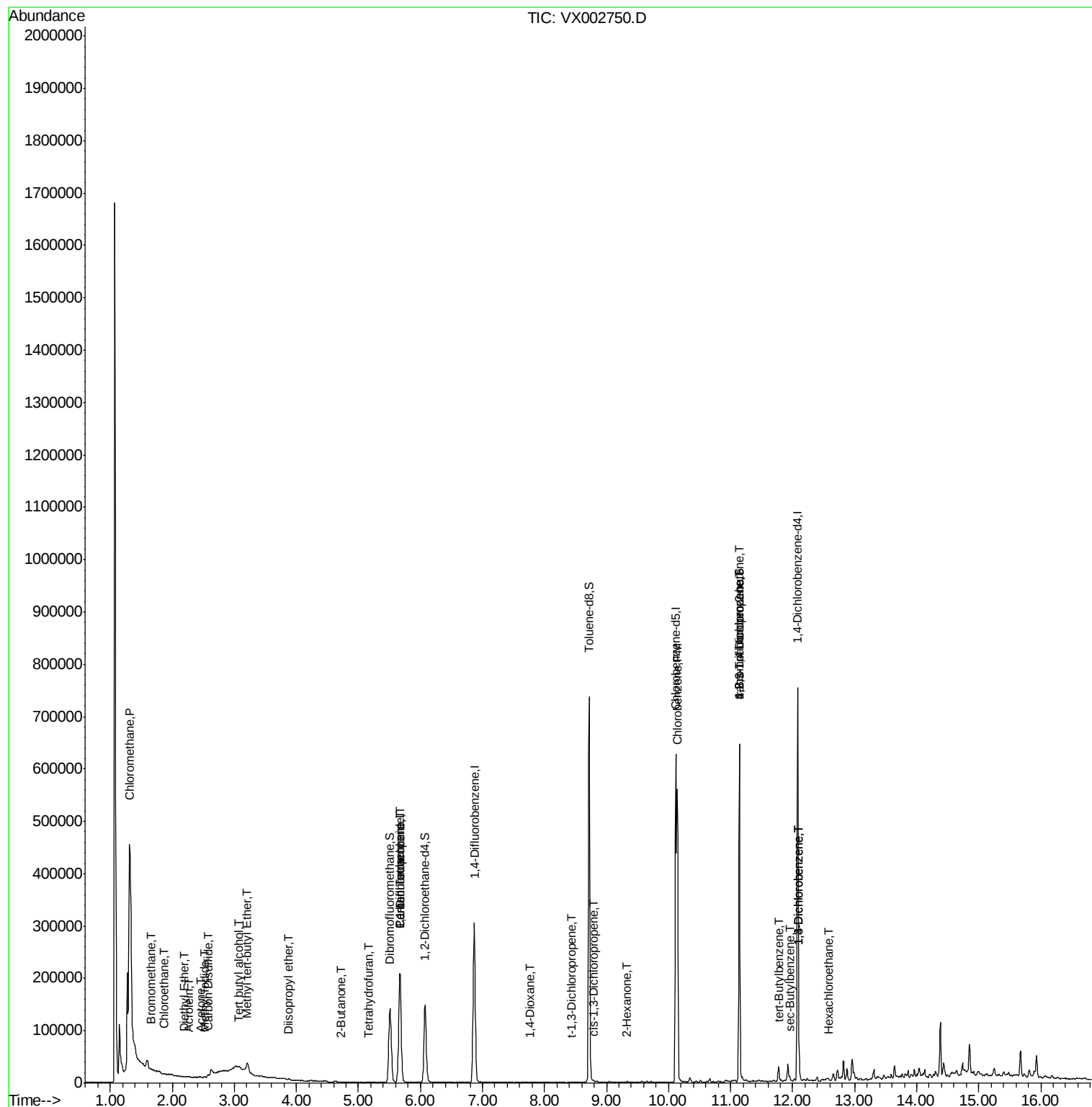
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	18031	6.74	ug/l #	44
5) Bromomethane	1.65	94	1169	0.70	ug/l #	74
6) Chloroethane	1.87	64	1743	0.95	ug/l #	43
8) Diethyl Ether	2.19	74	361	0.21	ug/l	100
10) Methyl Iodide	2.52	142	2021	5.71	ug/l #	92
11) Tert butyl alcohol	3.07	59	2535	3.81	ug/l	95
13) Acrolein	2.27	56	314	7.84	ug/l #	52
16) Acetone	2.45	43	1333	0.94	ug/l #	70
17) Carbon Disulfide	2.57	76	7967	1.42	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	16169	1.82	ug/l	95
22) Diisopropyl ether	3.87	45	3052	0.36	ug/l #	80
25) 2-Butanone	4.71	43	492	0.26	ug/l #	52
29) Tetrahydrofuran	5.17	42	285	0.23	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	14492	4.57	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19400	6.14	ug/l #	16
49) 1,4-Dioxane	7.77	88	233	4.05	ug/l #	56
53) t-1,3-Dichloropropene	8.43	75	49	2.41	ug/l #	43
54) cis-1,3-Dichloropropene	8.80	75	38	3.22	ug/l #	61
59) 2-Hexanone	9.32	43	599	0.21	ug/l	90
65) Chlorobenzene	10.14	112	227362	33.38	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	78981	26.11	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	78981	80.74	ug/l #	7
83) tert-Butylbenzene	11.77	119	8848	1.01	ug/l	87
85) sec-Butylbenzene	11.95	105	2909	0.27	ug/l #	56
87) 1,3-Dichlorobenzene	12.10	146	17757	3.24	ug/l	90
88) 1,4-Dichlorobenzene	12.10	146	17757	3.19	ug/l	90
90) Hexachloroethane	12.59	117	45	2.65	ug/l #	1

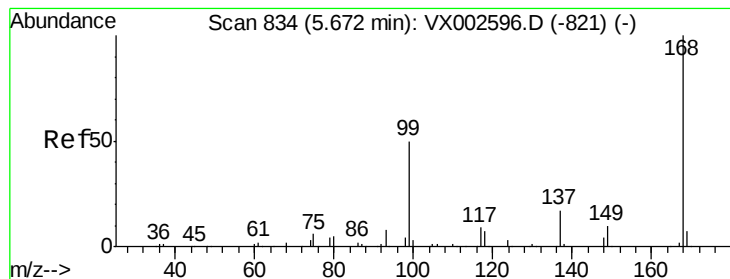
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062018\
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Quant Time: Jun 21 04:00:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

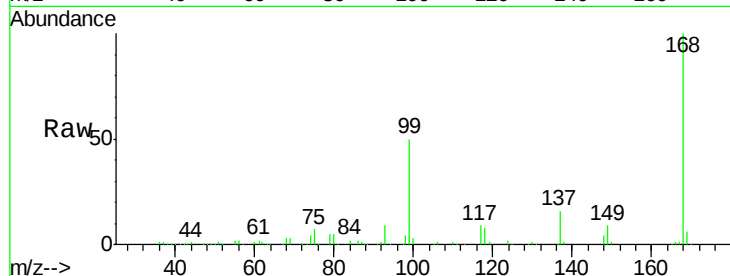
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 211745

Ion Ratio Lower Upper

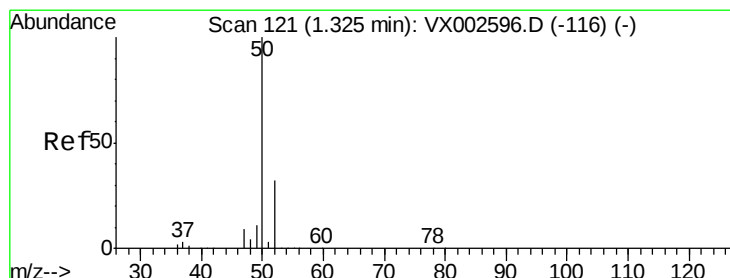
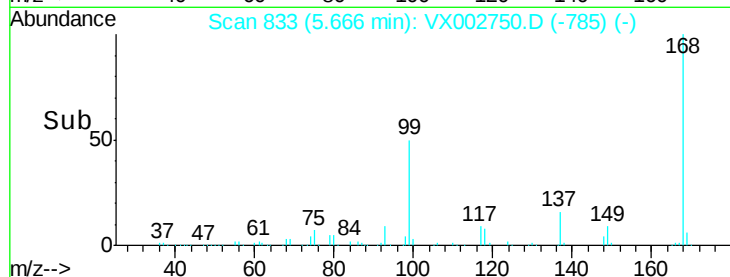
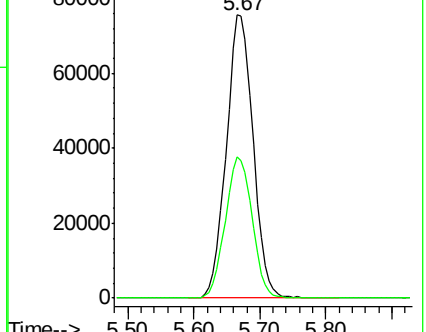
168 100

99 50.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 6.74 ug/l

RT: 1.31 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX002750.D

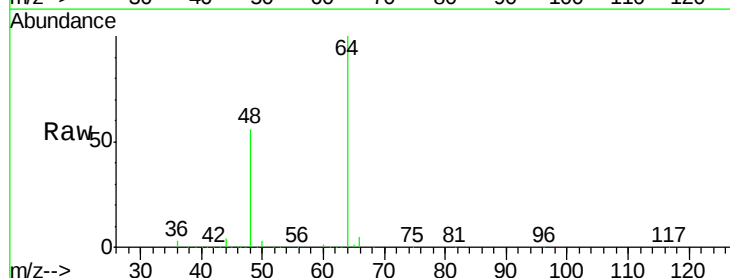
Acq: 20 Jun 2018 19:00

Tgt Ion: 50 Resp: 18031

Ion Ratio Lower Upper

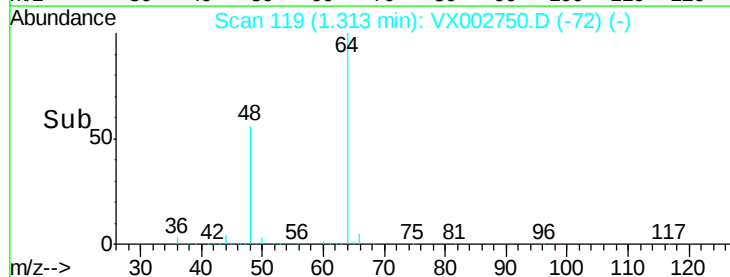
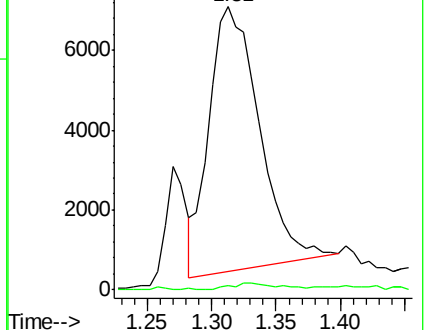
50 100

52 0.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.70 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

Instrument :

MSVOA_X

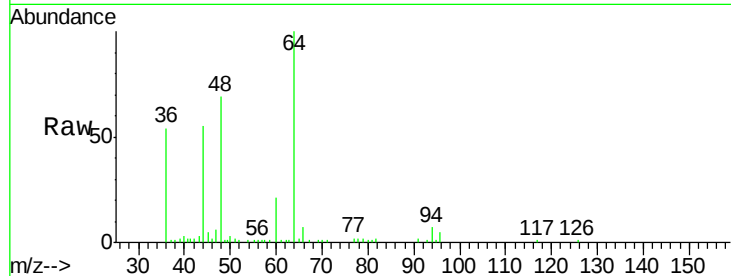
ClientSampled :

Tot Ion: 94 Resp: 1169

Ion Ratio Lower Upper

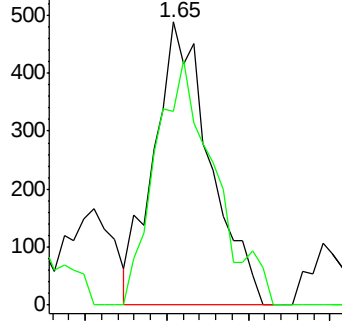
94 100

96 68.6 74.9 112.3#

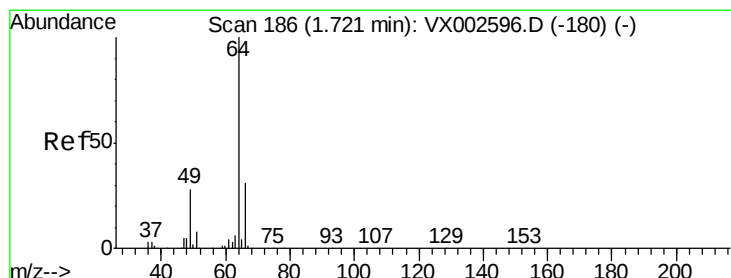
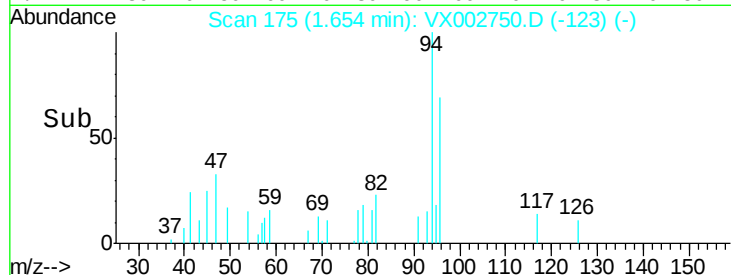


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.95 ug/l

RT: 1.87 min Scan# 210

Delta R.T. 0.15 min

Lab File: VX002750.D

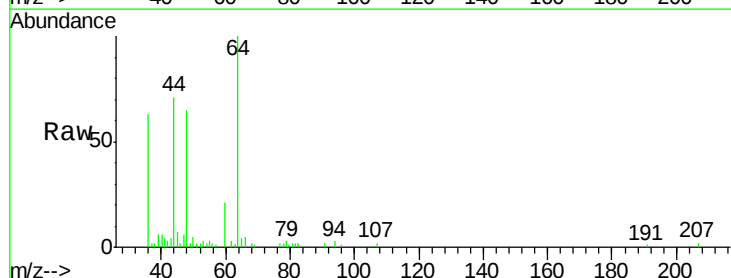
Acq: 20 Jun 2018 19:00

Tgt Ion: 64 Resp: 1743

Ion Ratio Lower Upper

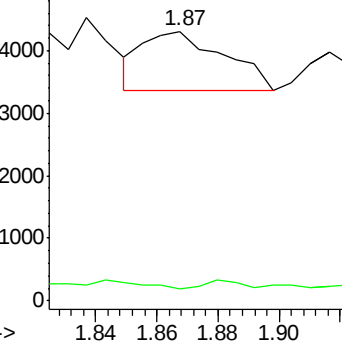
64 100

66 0.0 25.5 38.3#

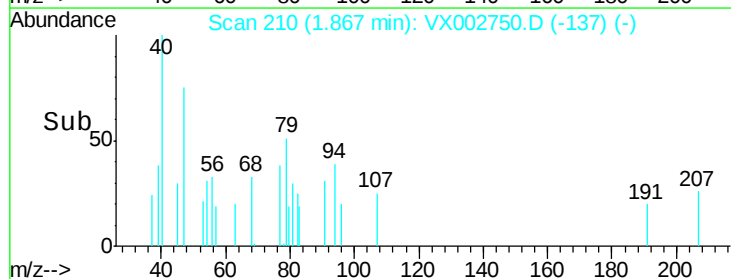


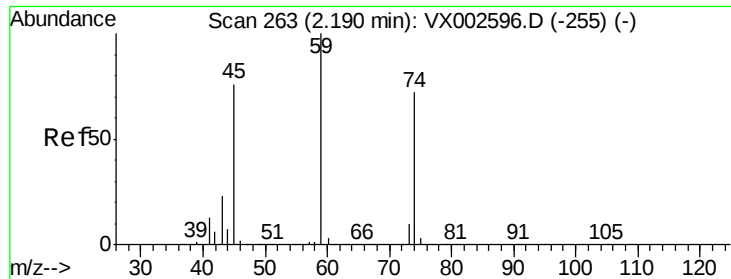
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#8

Diethyl Ether

Concen: 0.21 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

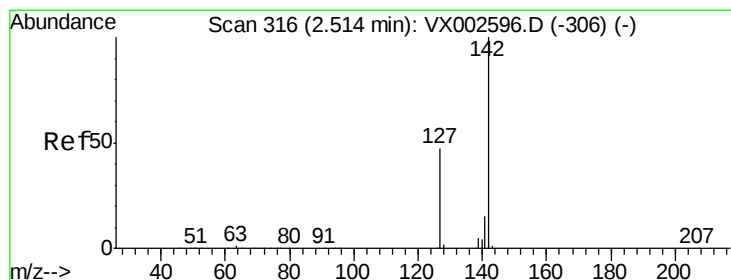
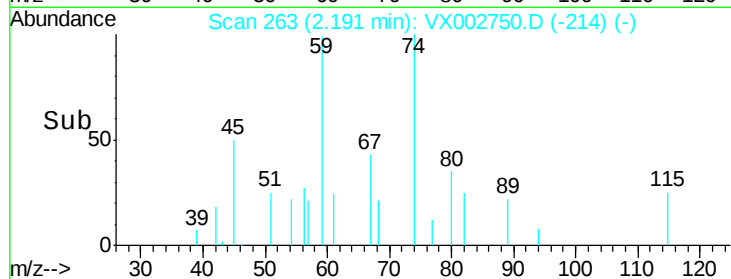
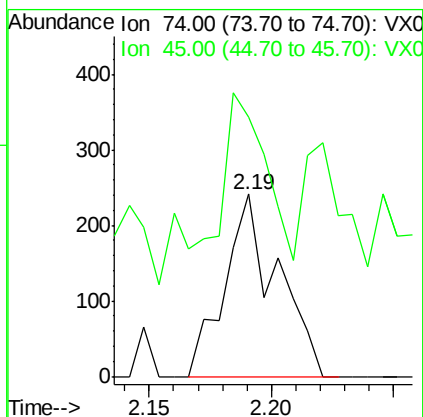
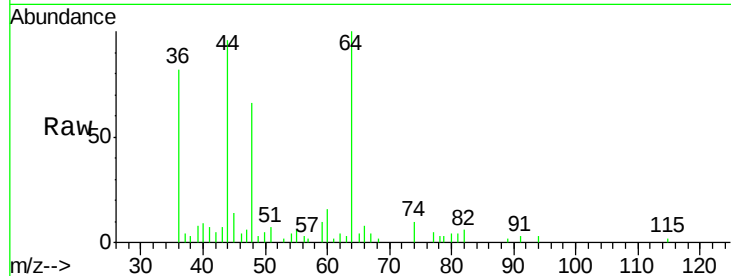
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 74 Resp: 361

Ion Ratio Lower Upper

74 100

45 105.8 53.1 159.4



#10

Methyl Iodide

Concen: 5.71 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

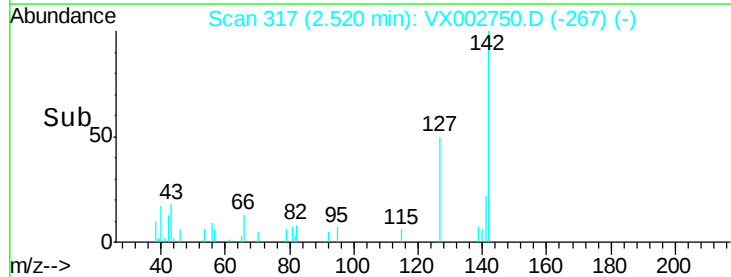
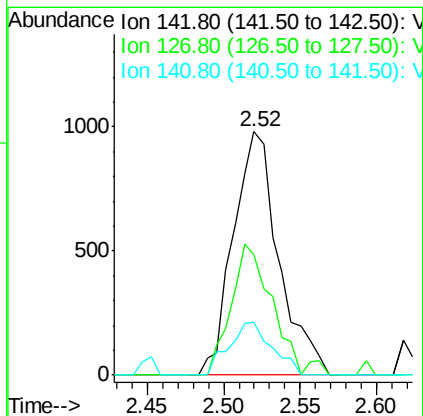
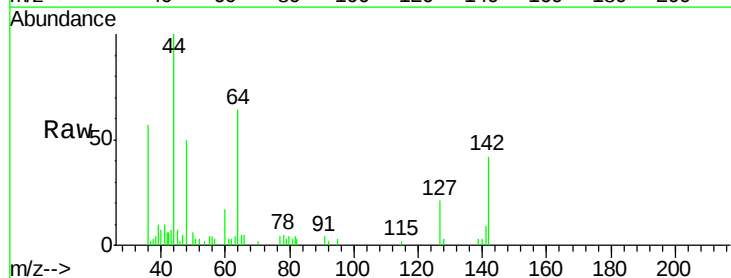
Tgt Ion:142 Resp: 2021

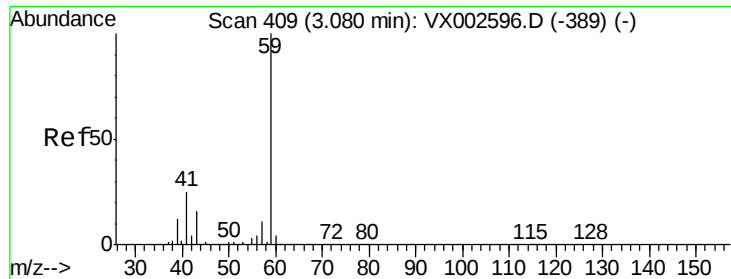
Ion Ratio Lower Upper

142 100

127 49.6 36.6 55.0

141 20.6 11.3 16.9#



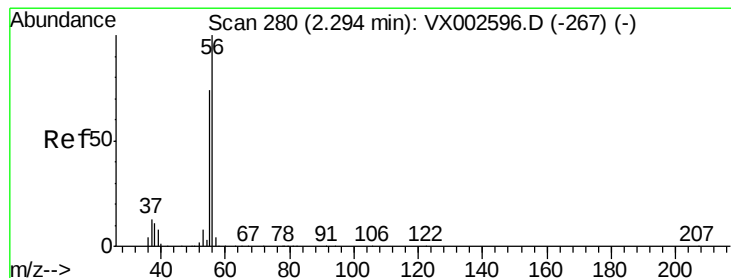
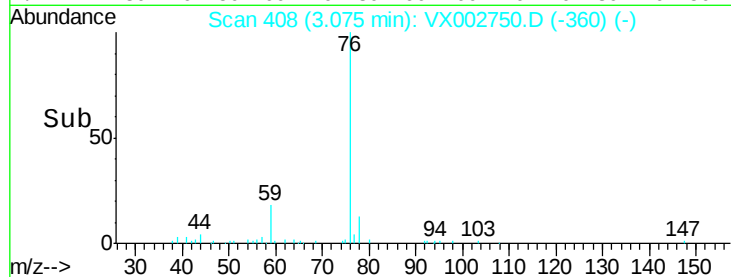
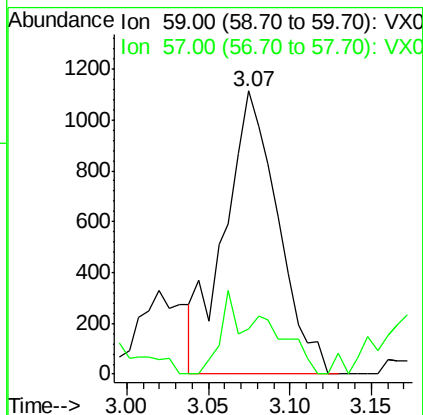
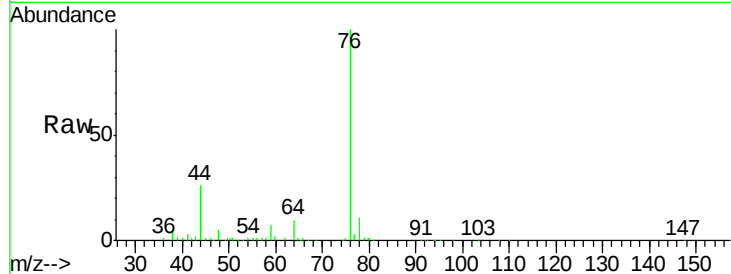


#11

Tert butyl alcohol
Concen: 3.81 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Instrument :
MSVOA_X
ClientSampled :

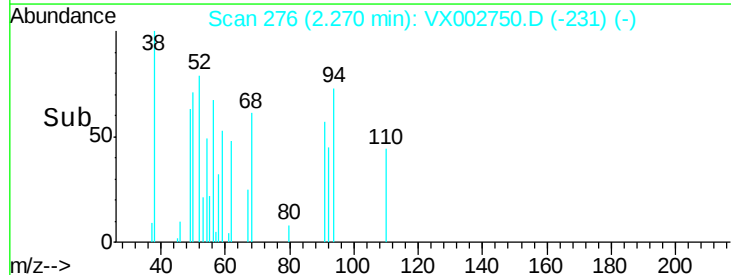
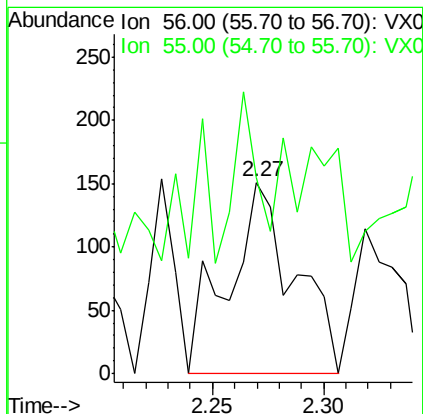
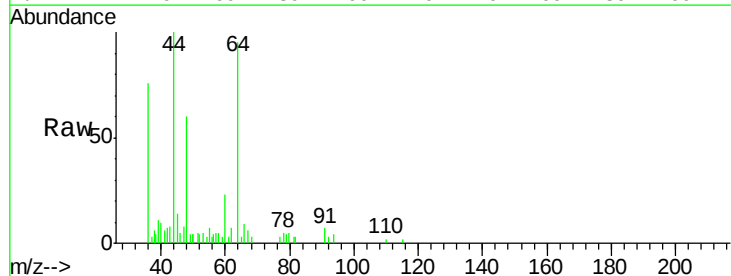
Tot Ion: 59 Resp: 2535
Ion Ratio Lower Upper
59 100
57 12.1 8.2 12.2

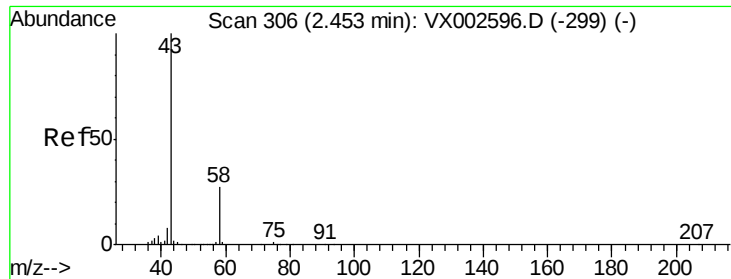


#13

Acrolein
Concen: 7.84 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Tgt Ion: 56 Resp: 314
Ion Ratio Lower Upper
56 100
55 31.5 57.0 85.4#





#16

Acetone

Concen: 0.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

Instrument :

MSVOA_X

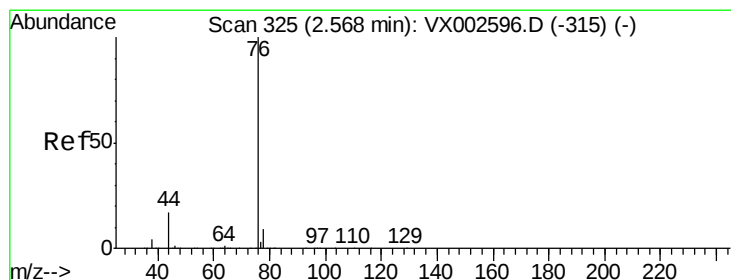
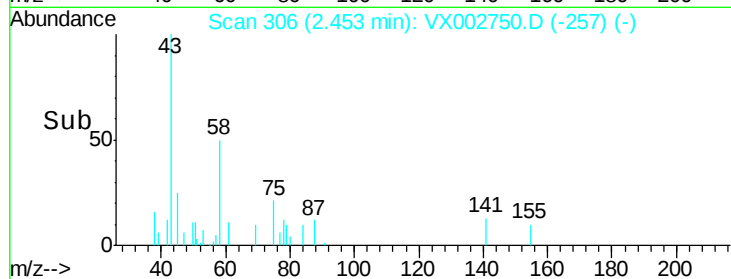
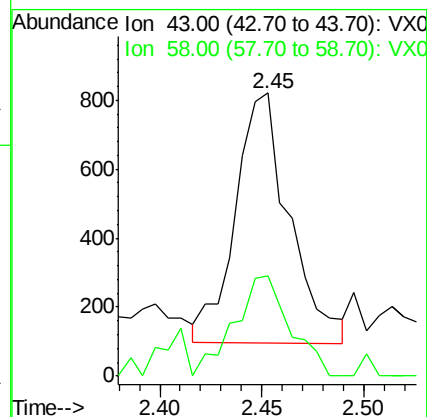
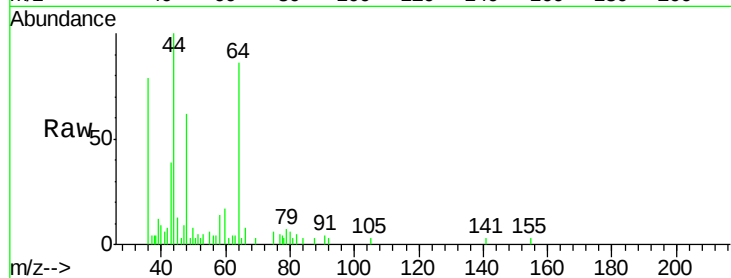
ClientSampled :

Tot Ion: 43 Resp: 1333

Ion Ratio Lower Upper

43 100

58 43.1 22.1 33.1#



#17

Carbon Disulfide

Concen: 1.42 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002750.D

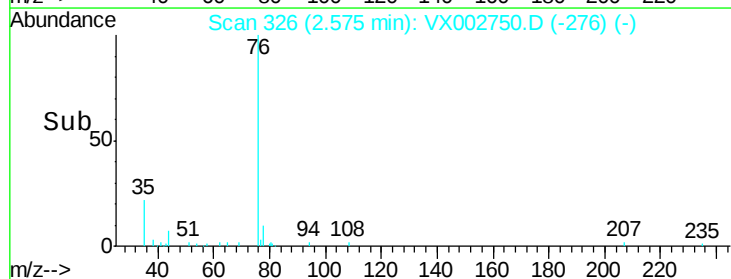
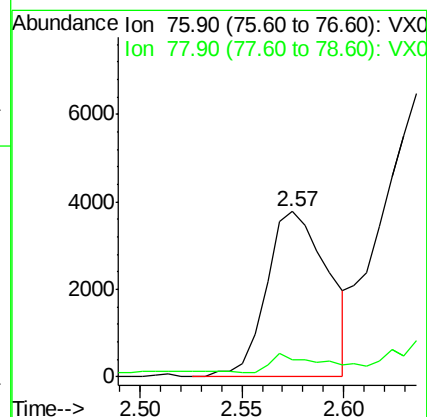
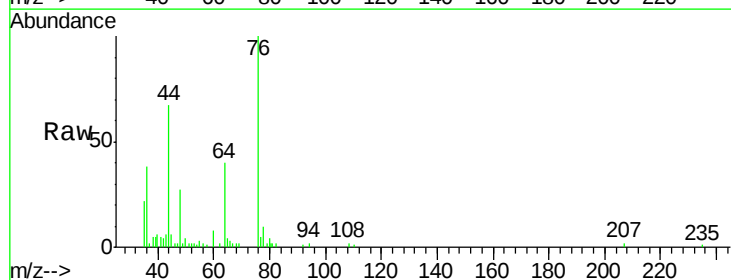
Acq: 20 Jun 2018 19:00

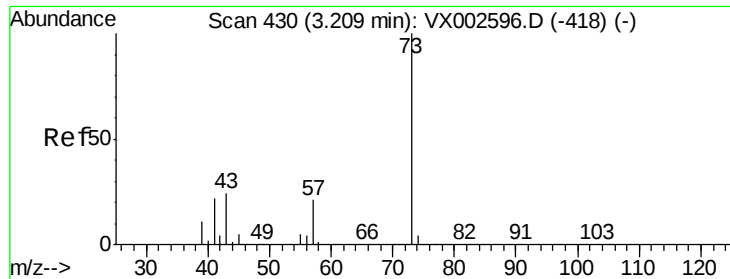
Tgt Ion: 76 Resp: 7967

Ion Ratio Lower Upper

76 100

78 6.9 6.9 10.3

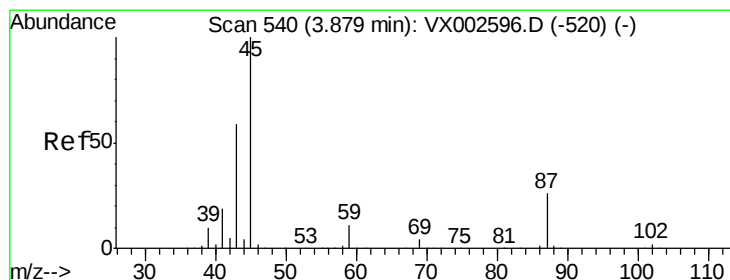
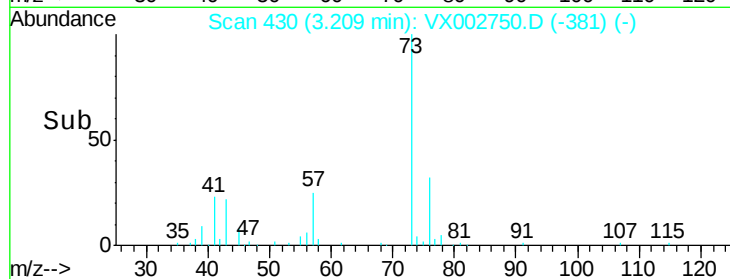
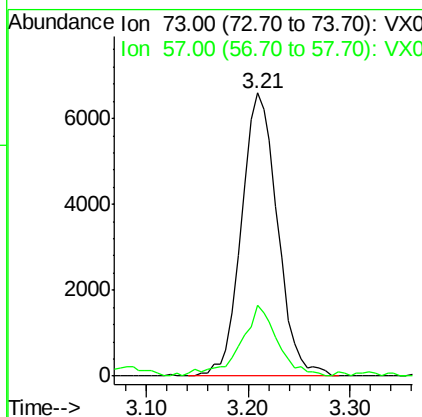
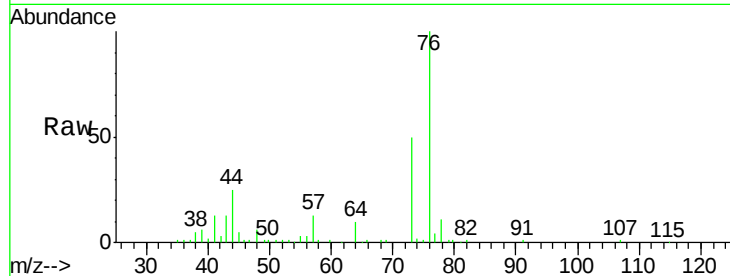




#19
Methvl tert-butvl Ether
Concen: 1.82 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

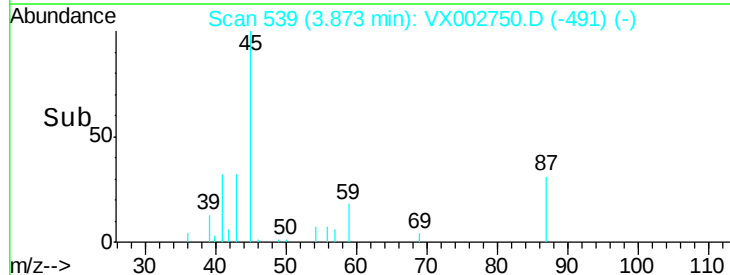
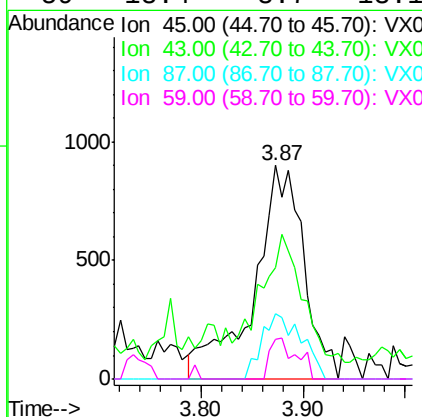
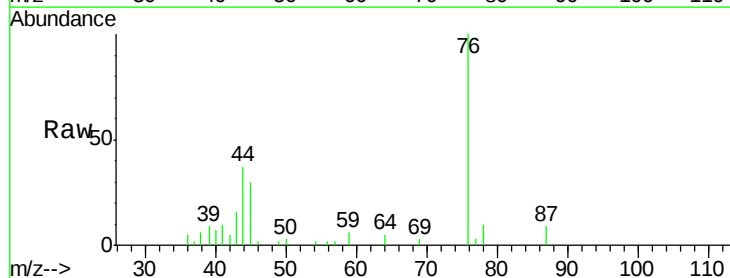
Instrument :
MSVOA_X
ClientSampleId :

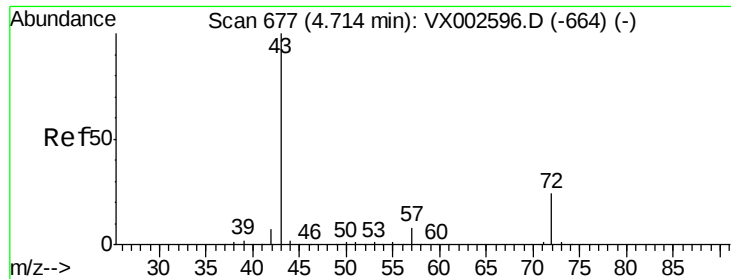
Tot Ion: 73 Resp: 16169
Ion Ratio Lower Upper
73 100
57 24.3 17.7 26.5



#22
Diisopropyl ether
Concen: 0.36 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Tgt Ion: 45 Resp: 3052
Ion Ratio Lower Upper
45 100
43 40.3 46.8 70.2#
87 30.7 20.2 30.4#
59 18.4 8.7 13.1#





#25

2-Butanone

Concen: 0.26 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

Instrument :

MSVOA_X

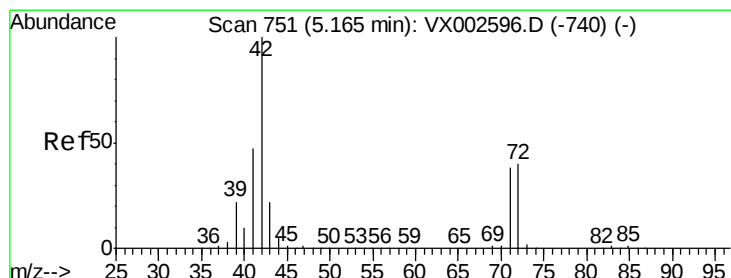
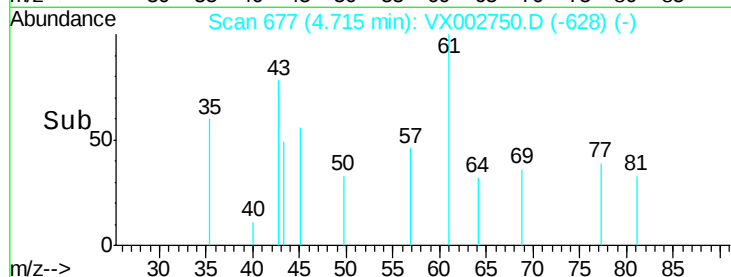
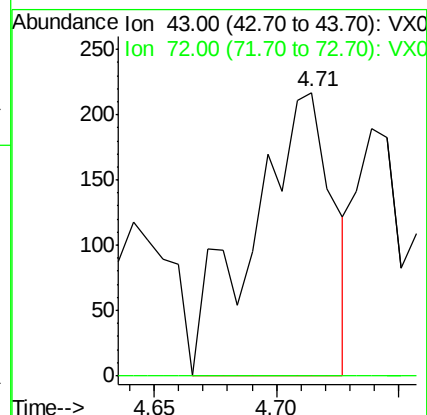
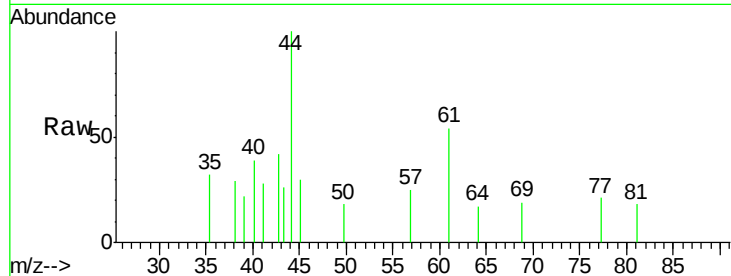
ClientSampled :

Tot Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

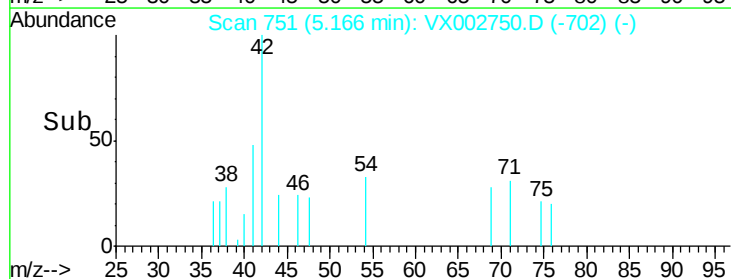
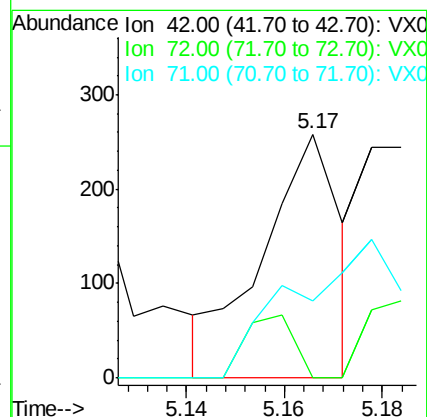
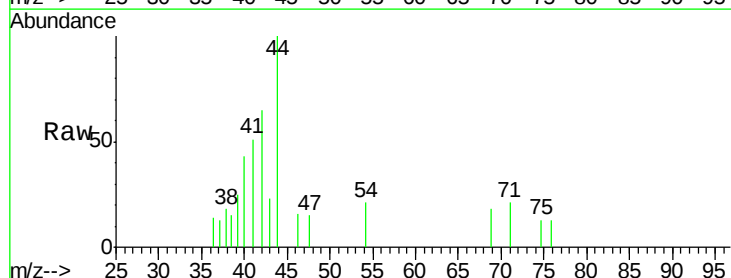
Tgt Ion: 42 Resp: 285

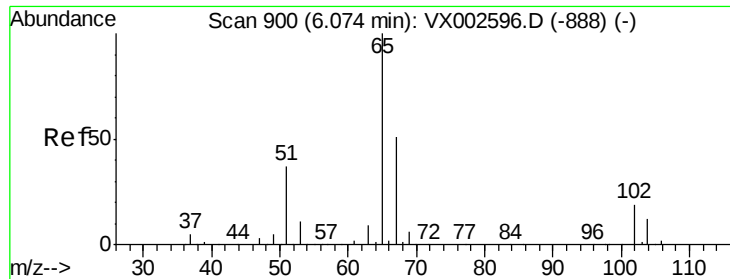
Ion Ratio Lower Upper

42 100

72 16.1 32.0 48.0#

71 0.0 30.1 45.1#

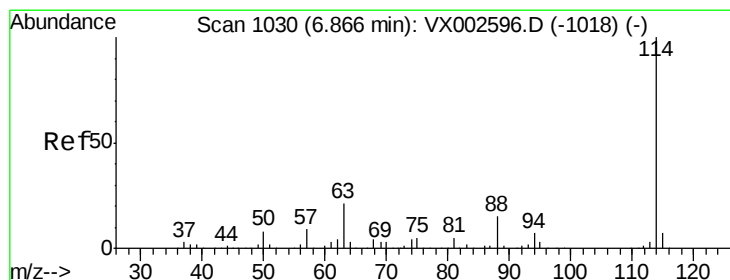
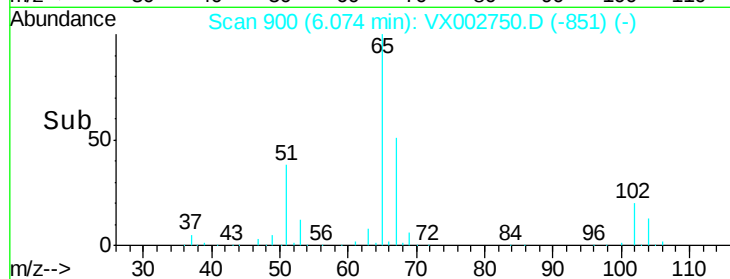
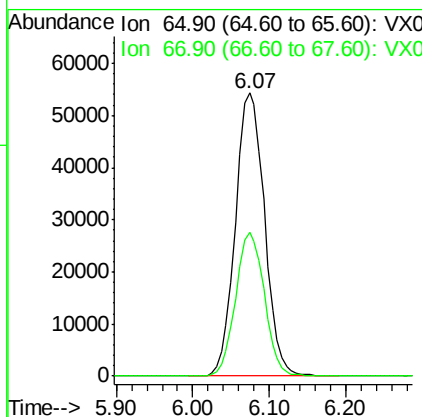
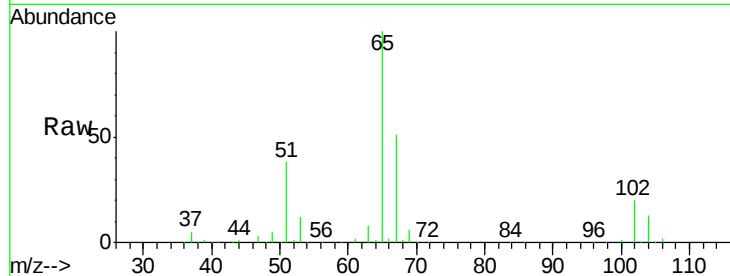




#33
 1,2-Dichloroethane-d4
 Concen: 44.69 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

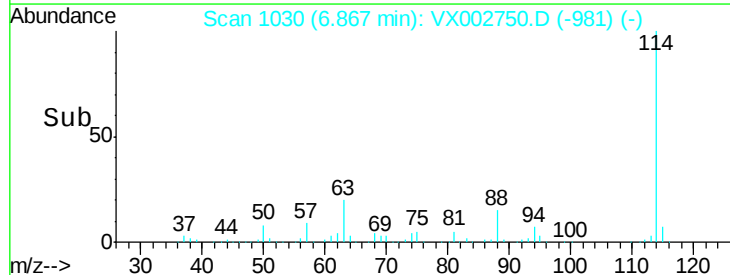
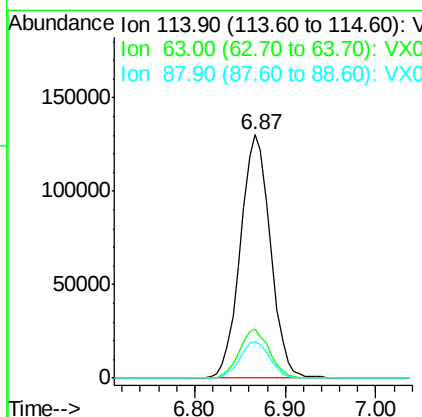
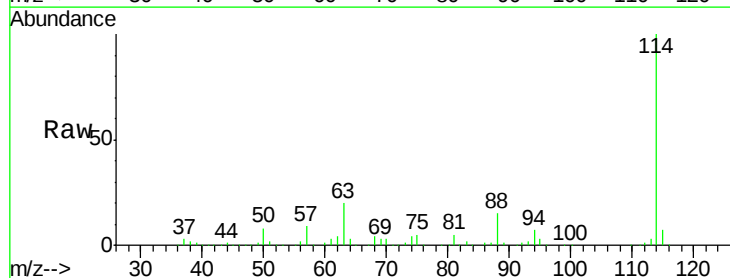
Instrument :
 MSVOA_X
 ClientSampleId :

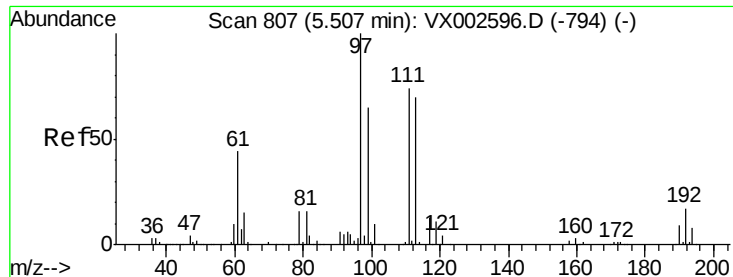
Tot Ion: 65 Resp: 143794
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

Tgt Ion: 114 Resp: 298593
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.9 0.0 30.0

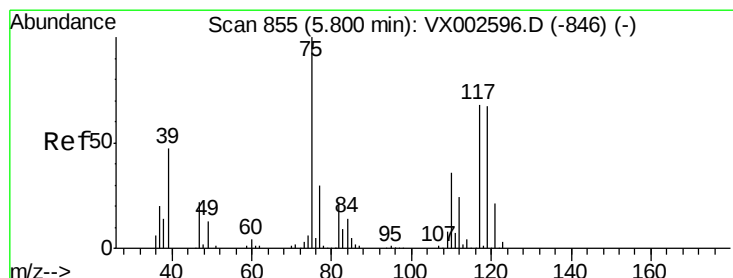
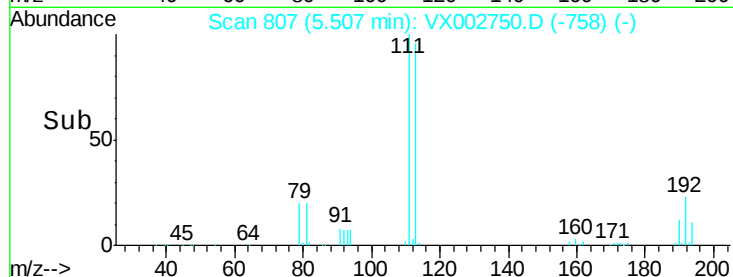
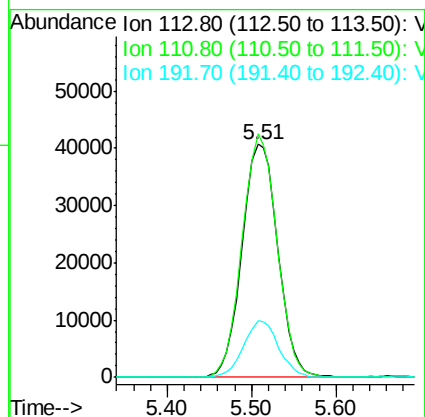
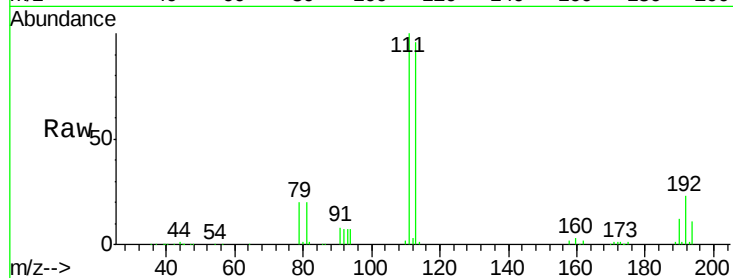




#35
 Dibromofluoromethane
 Concen: 49.18 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

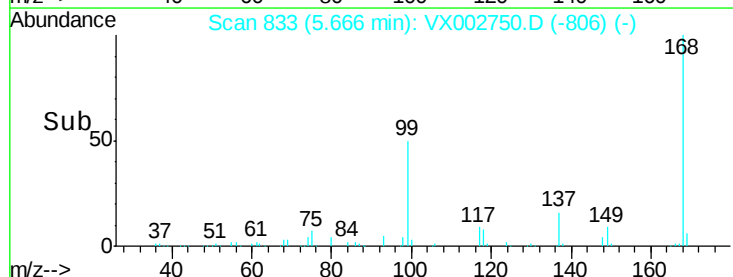
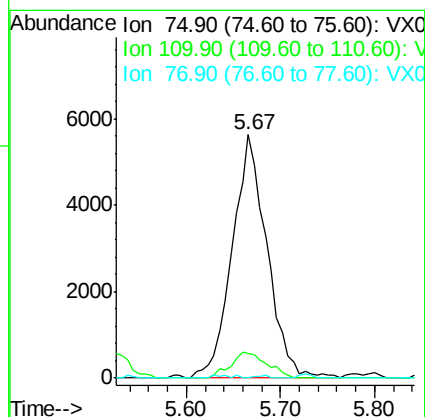
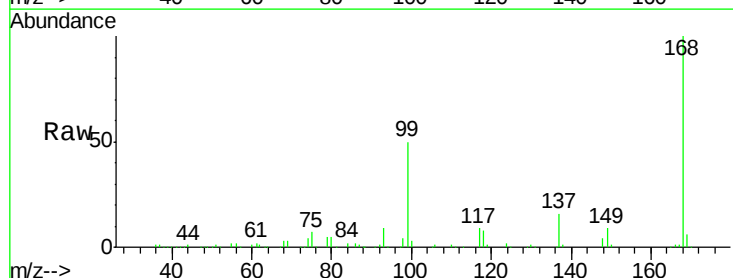
Instrument :
 MSVOA_X
 ClientSampled :

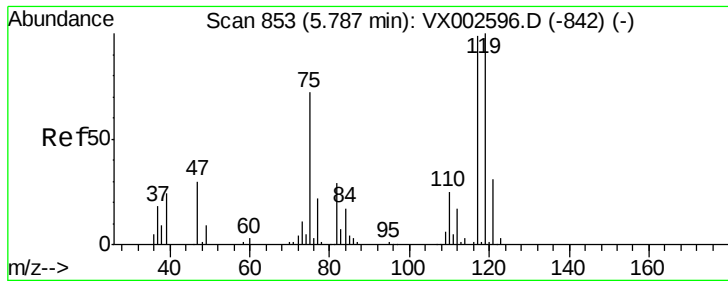
Tot Ion:113 Resp: 117202
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.0
 192 23.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.57 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

Tgt Ion: 75 Resp: 14492
 Ion Ratio Lower Upper
 75 100
 110 11.1 18.1 54.4#
 77 0.0 24.3 36.5#

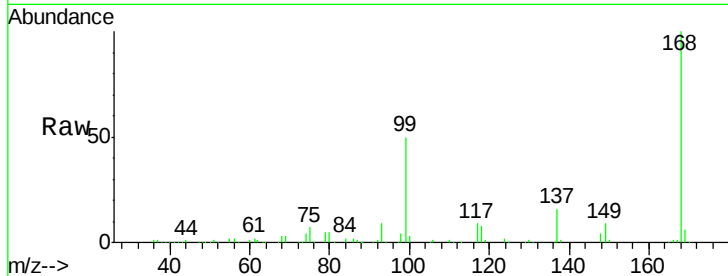




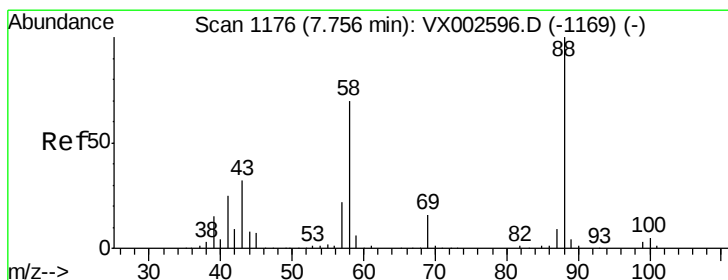
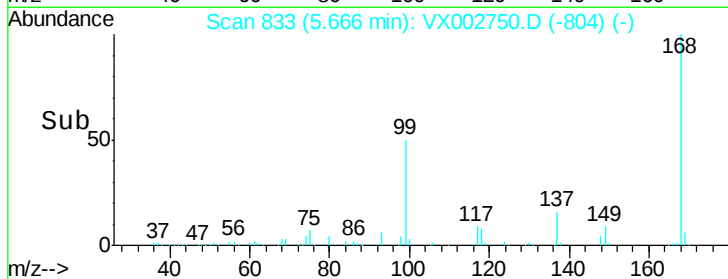
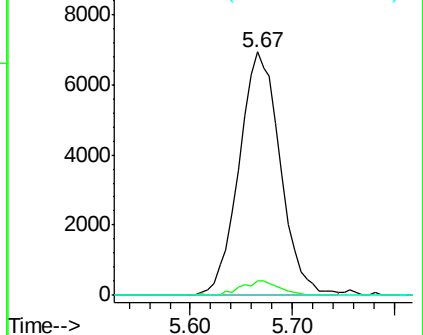
#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 19400
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.0#
121 0.0 24.4 36.6#

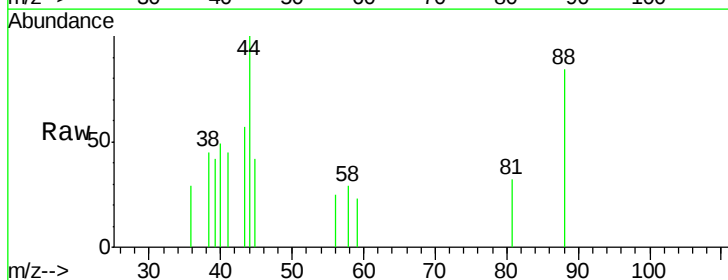


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

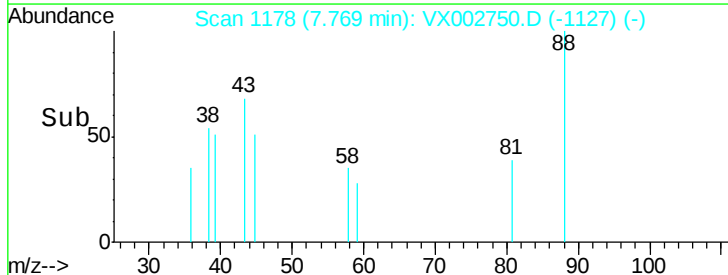
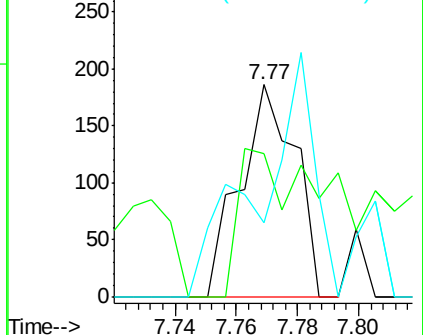


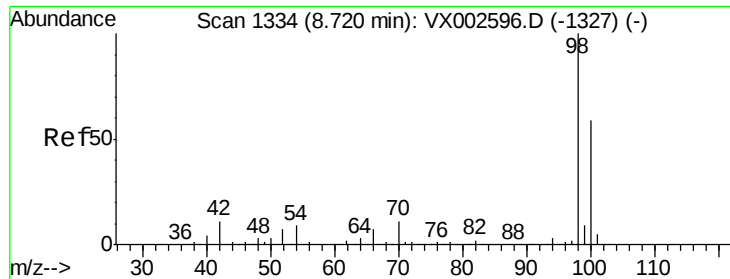
#49
1,4-Dioxane
Concen: 4.05 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Tgt Ion: 88 Resp: 233
Ion Ratio Lower Upper
88 100
43 51.9 29.8 44.6#
58 115.9 57.1 85.7#



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

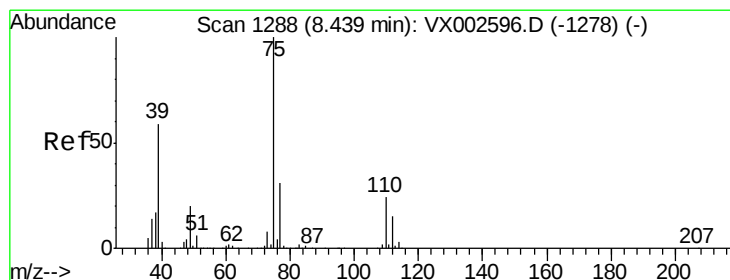
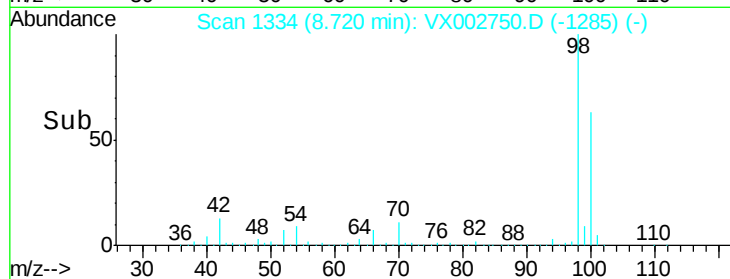
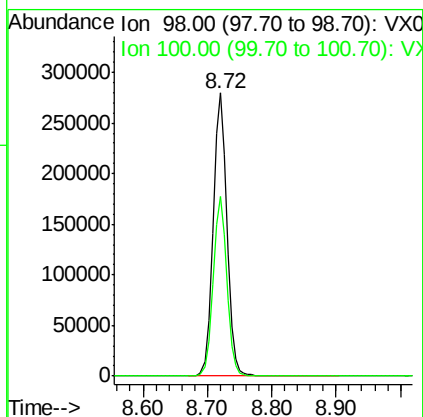
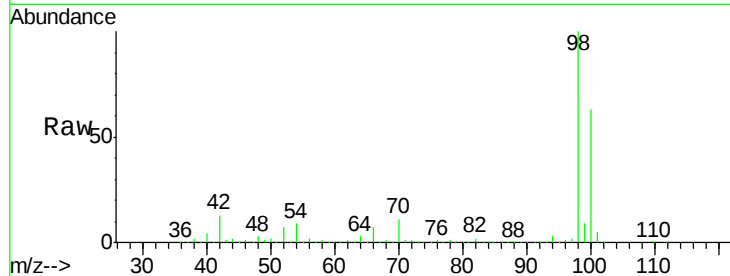




#50
Toluene-d8
Concen: 46.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

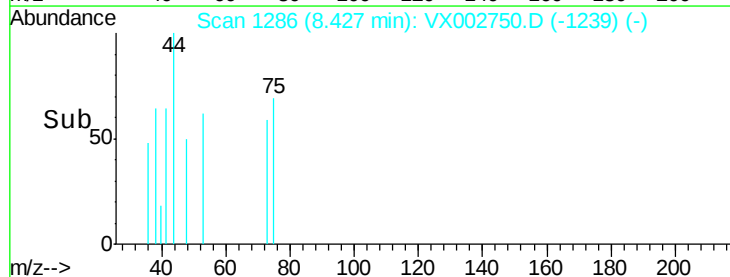
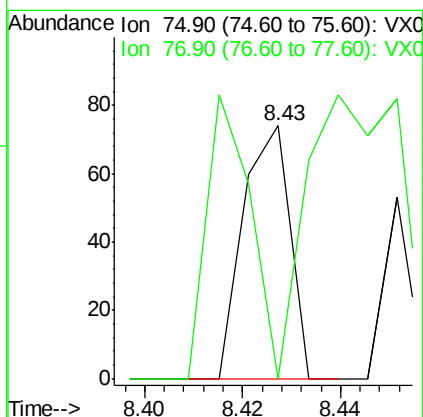
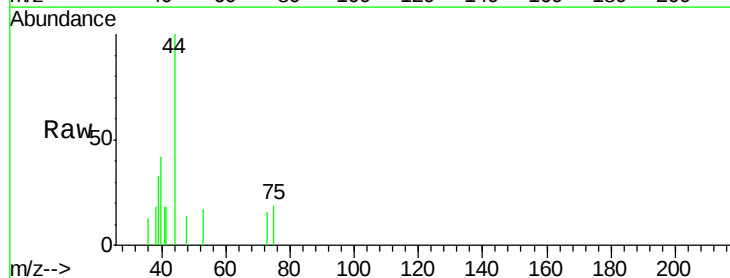
Instrument :
MSVOA_X
ClientSampleId :

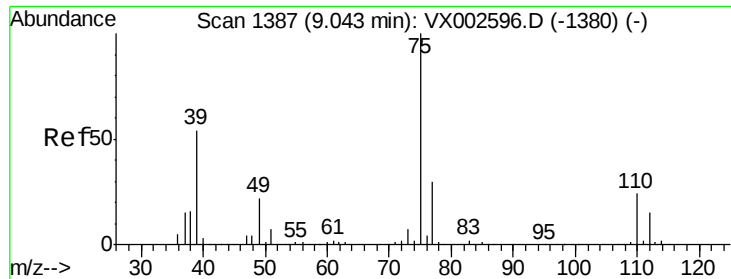
Tot Ion: 98 Resp: 423274
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.41 ug/l
RT: 8.43 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

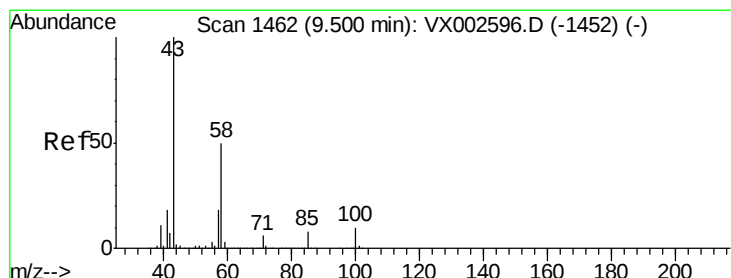
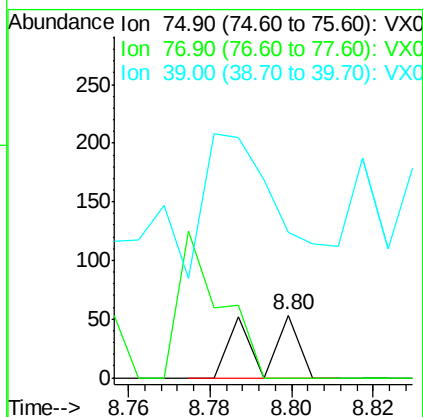
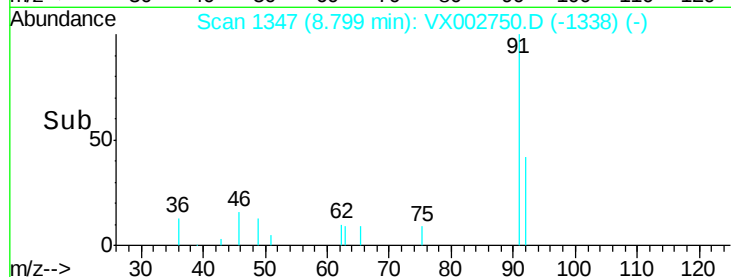
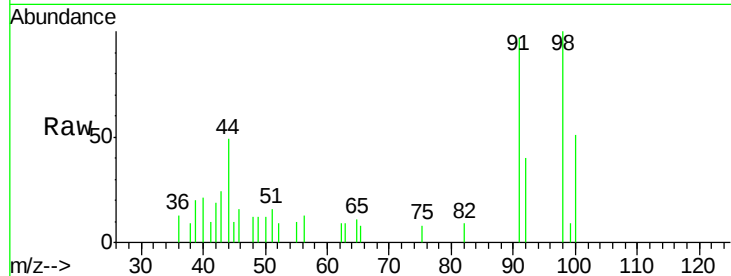




#54
 cis-1,3-Dichloropropene
 Concen: 3.22 ug/l
 RT: 8.80 min Scan# 1347
 Delta R.T. -0.24 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

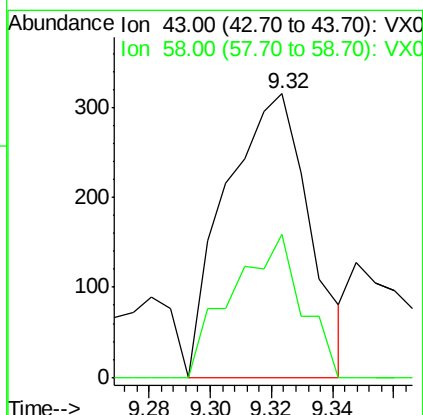
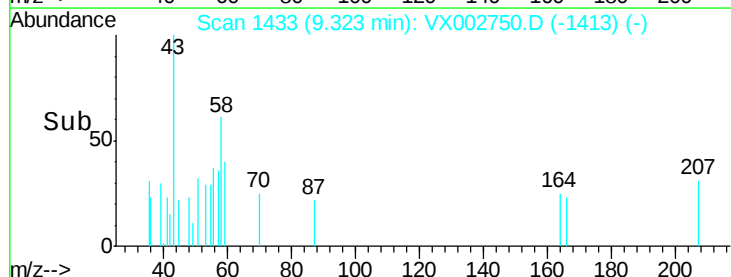
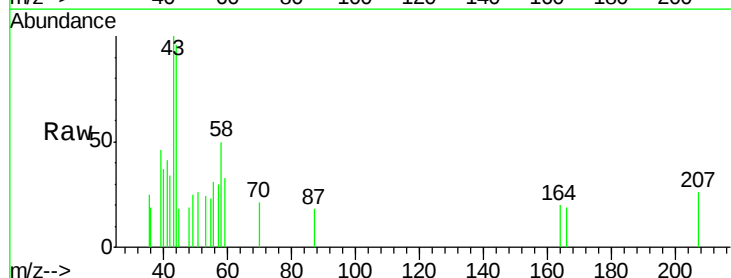
Instrument :
 MSVOA_X
 ClientSampled :

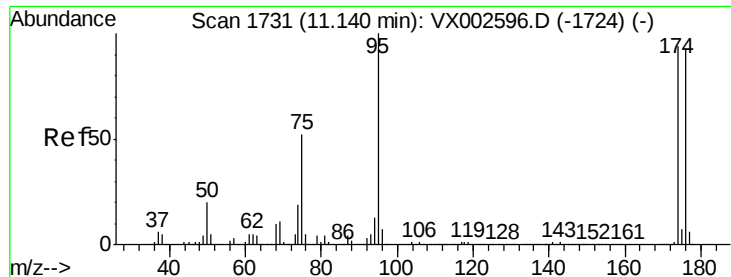
Tot Ion: 75 Resp: 38
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 73.6 42.4 63.6#



#59
 2-Hexanone
 Concen: 0.21 ug/l
 RT: 9.32 min Scan# 1433
 Delta R.T. -0.18 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

Tgt Ion: 43 Resp: 599
 Ion Ratio Lower Upper
 43 100
 58 42.2 24.6 73.6

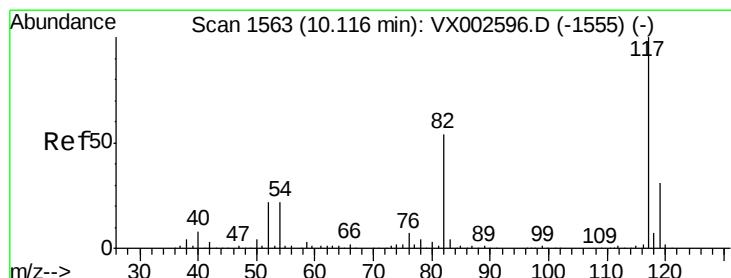
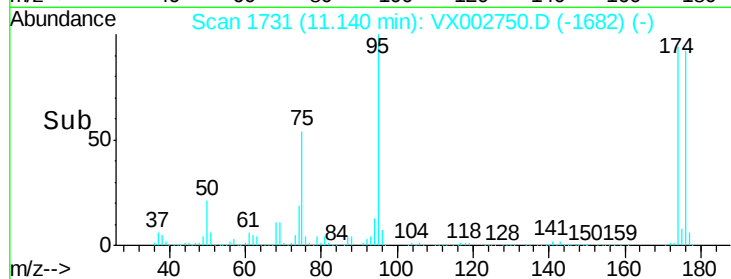
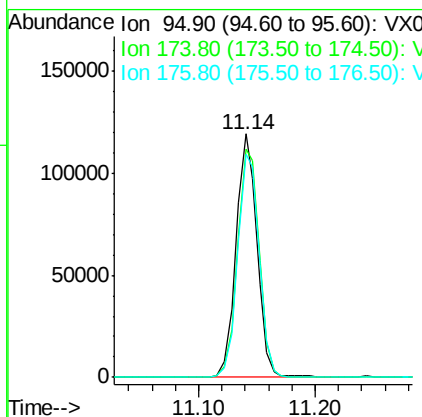
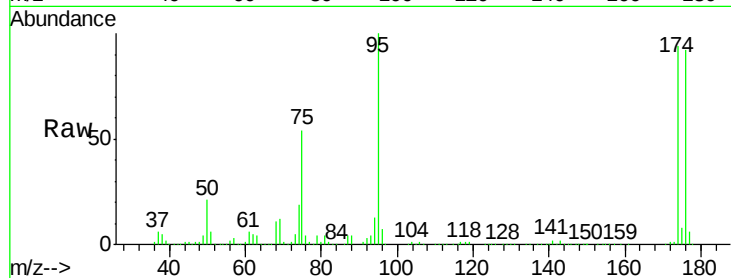




#62
4-Bromofluorobenzene
Concen: 43.69 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

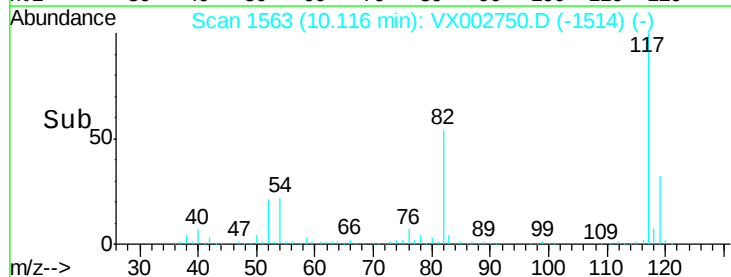
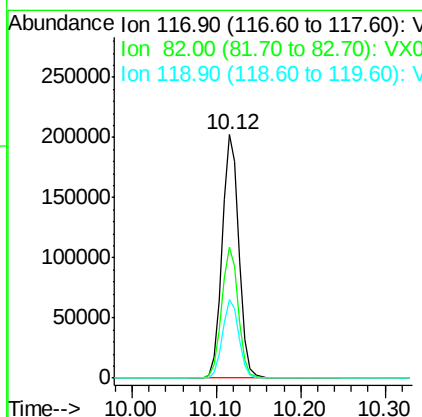
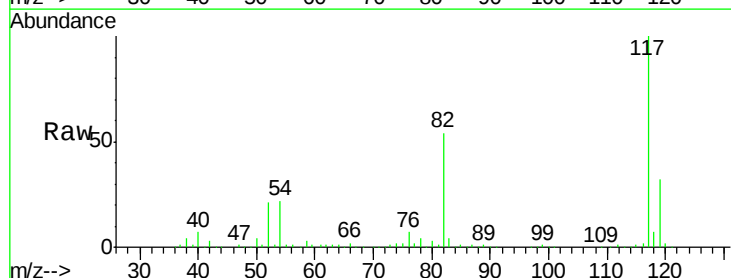
Instrument :
MSVOA_X
ClientSampleId :

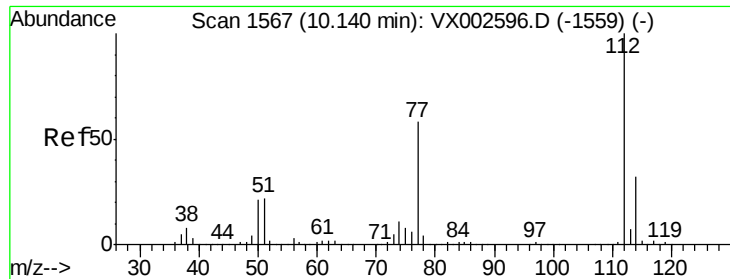
Tot Ion: 95 Resp: 149808
Ion Ratio Lower Upper
95 100
174 97.2 0.0 187.4
176 94.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Tgt Ion: 117 Resp: 277336
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.2 25.8 38.6





#65

Chlorobenzene

Concen: 33.38 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

Instrument :

MSVOA_X

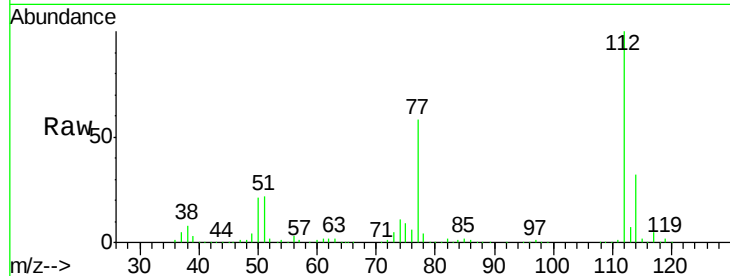
ClientSampleId :

Tot Ion:112 Resp: 227362

Ion Ratio Lower Upper

112 100

114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

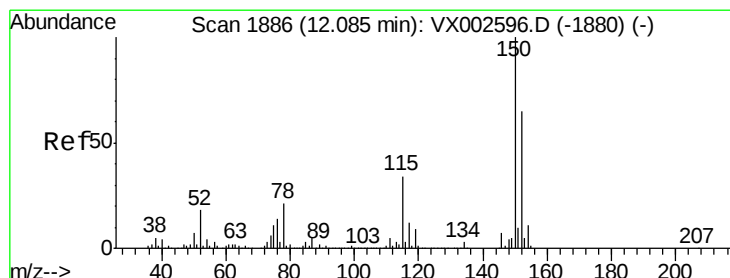
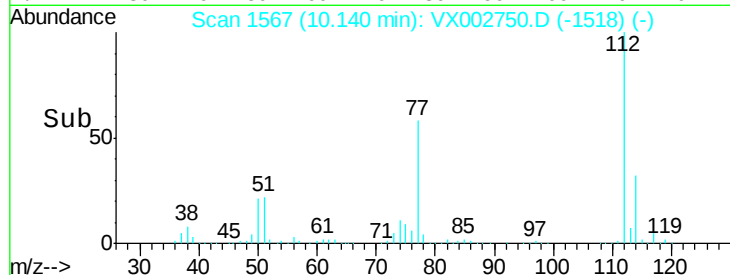
150000

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

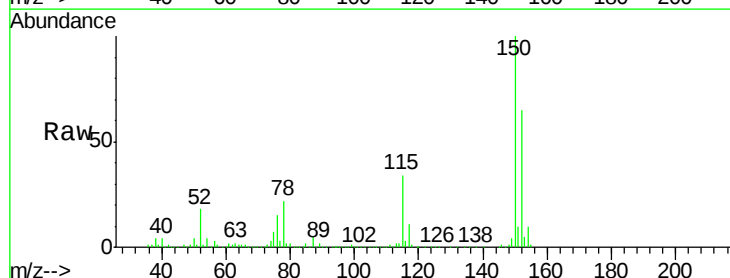
Tgt Ion:152 Resp: 160303

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

150 156.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.09

250000

200000

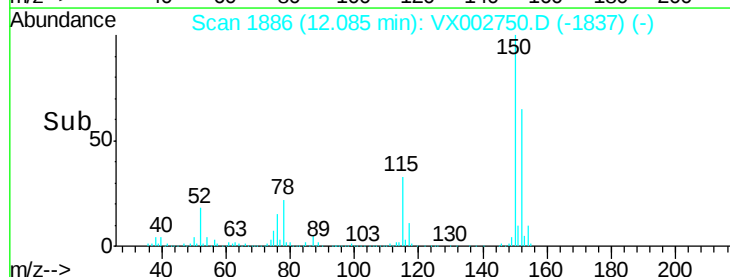
150000

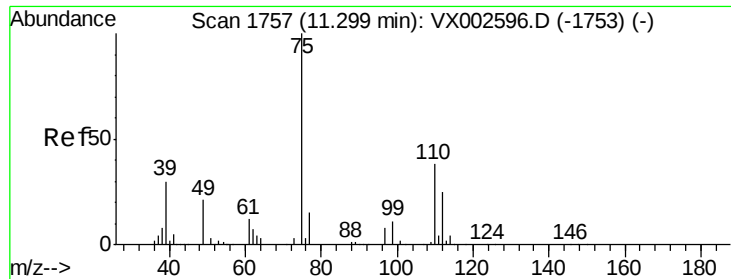
100000

50000

0

Time-->

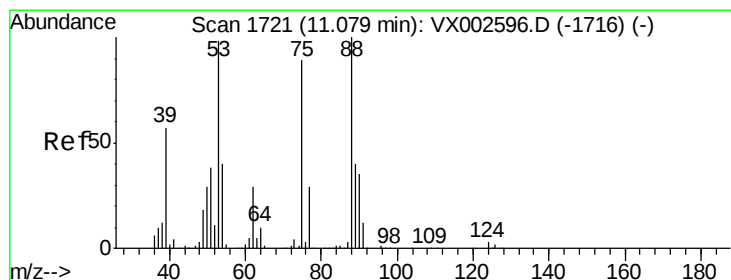
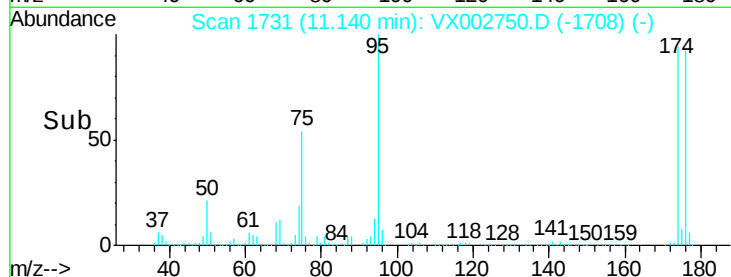
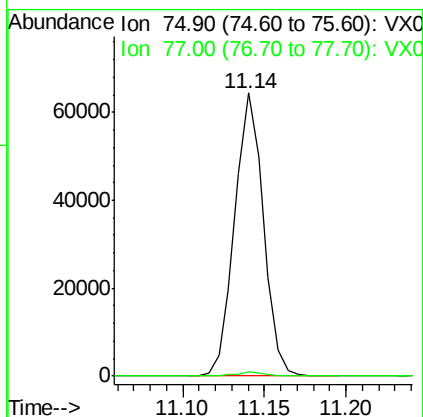
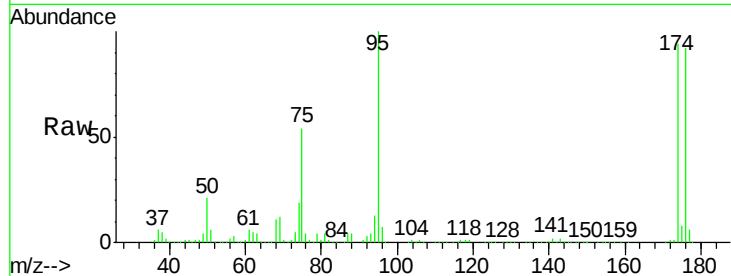




#76
 1,2,3-Trichloropropane
 Concen: 26.11 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

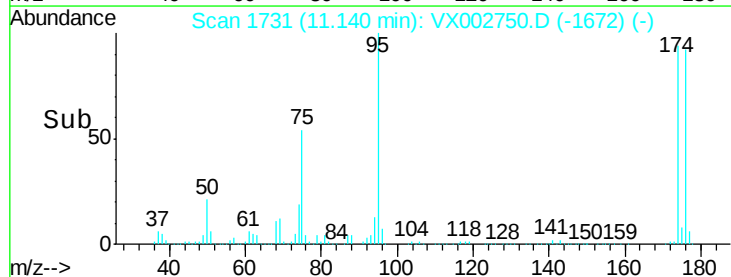
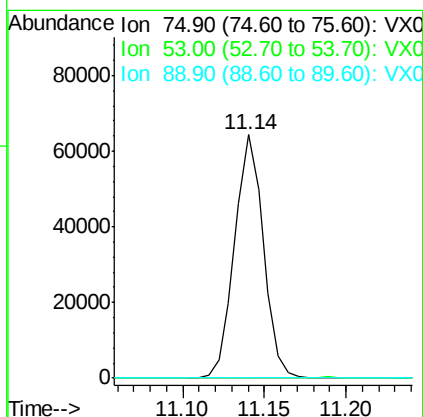
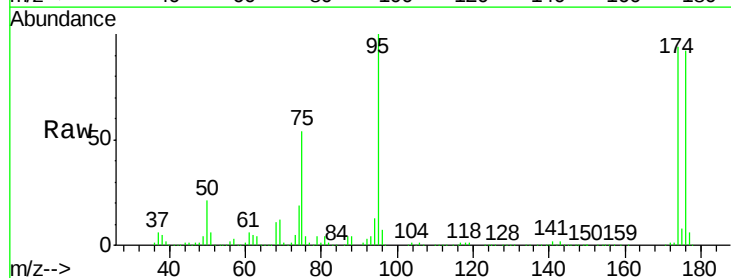
Instrument :
 MSVOA_X
 ClientSampleId :

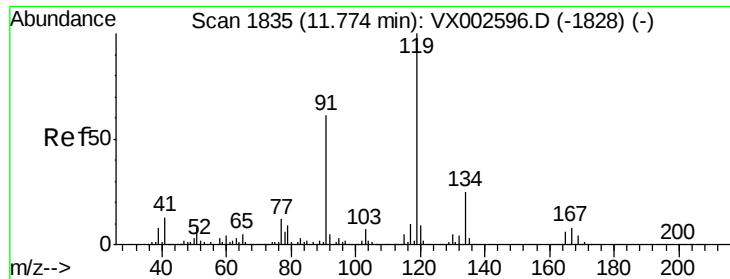
Tot Ion: 75 Resp: 78981
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.74 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

Tgt Ion: 75 Resp: 78981
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

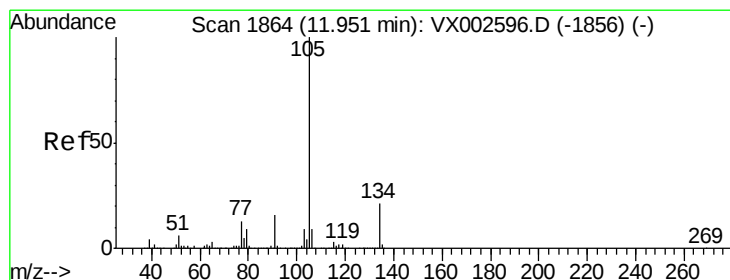
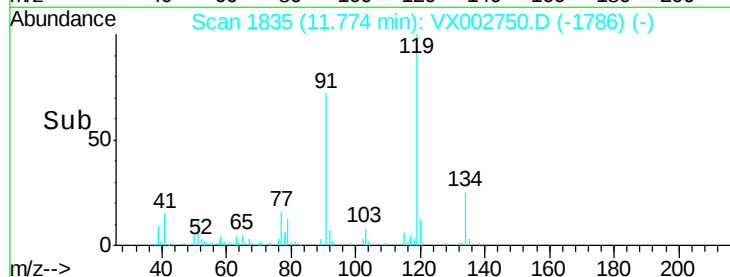
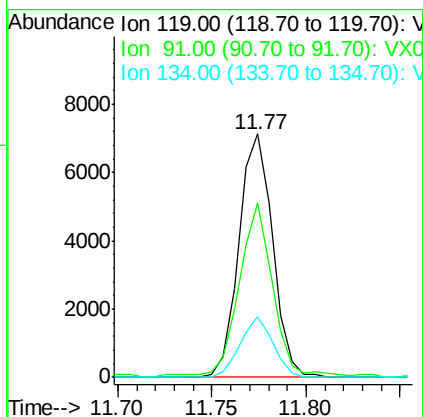
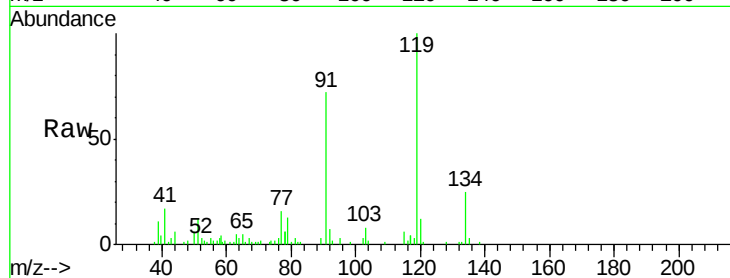




#83
tert-Butylbenzene
Concen: 1.01 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

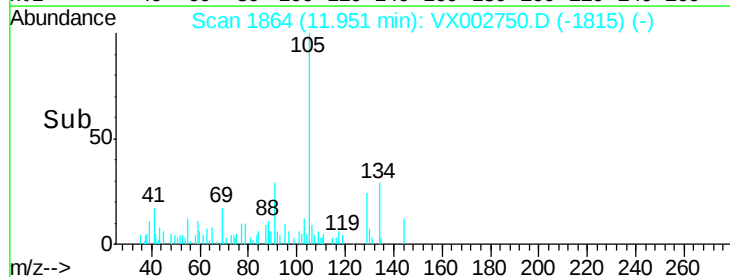
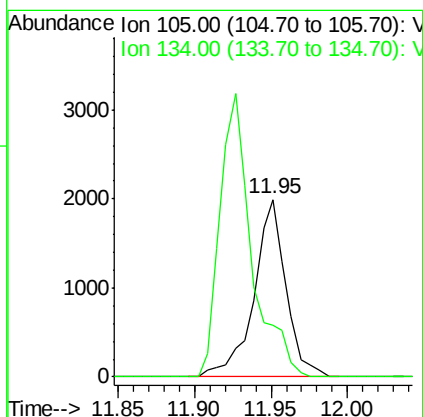
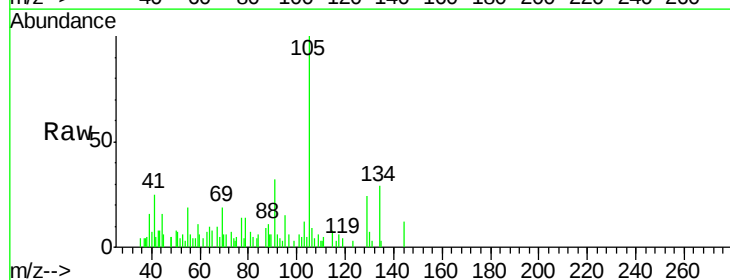
Instrument :
MSVOA_X
ClientSampled :

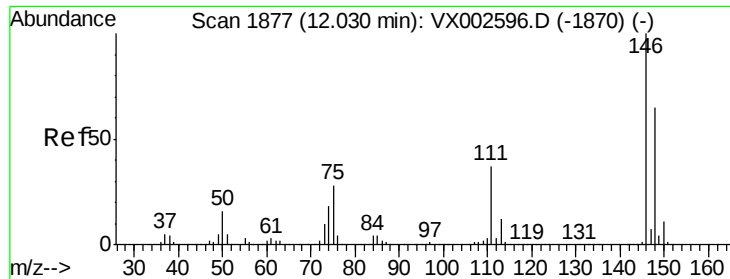
Tot Ion:119 Resp: 8848
Ion Ratio Lower Upper
119 100
91 73.6 30.3 90.9
134 24.3 11.7 35.1



#85
sec-Butylbenzene
Concen: 0.27 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX002750.D
Acq: 20 Jun 2018 19:00

Tgt Ion:105 Resp: 2909
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#

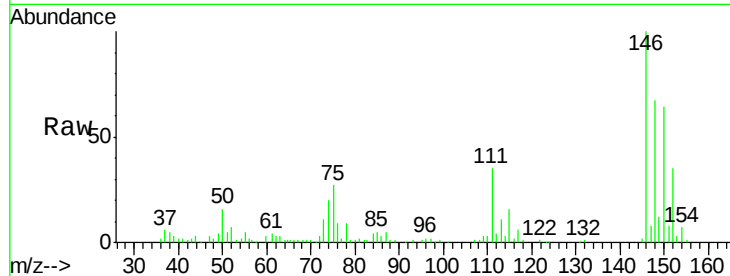




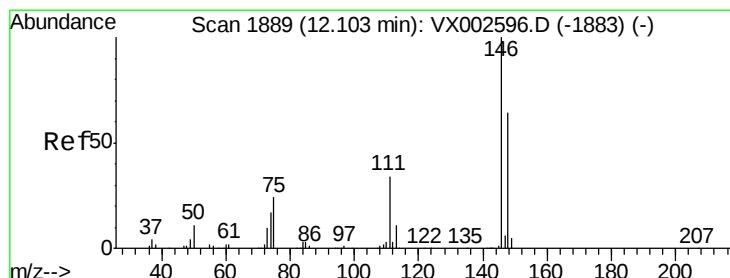
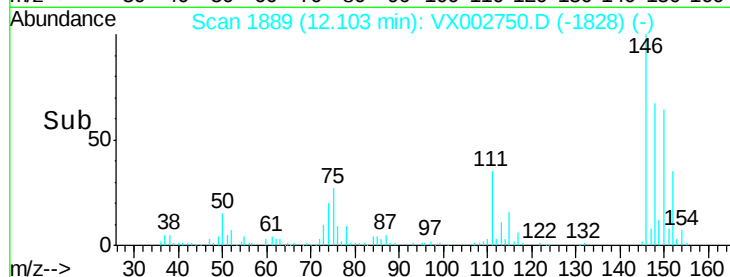
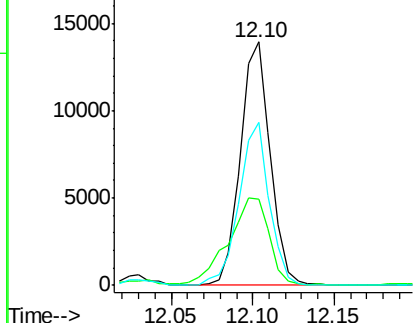
#87
 1,3-Dichlorobenzene
 Concen: 3.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.07 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 17757
 Ion Ratio Lower Upper
 146 100
 111 49.6 18.9 56.7
 148 68.0 32.1 96.3

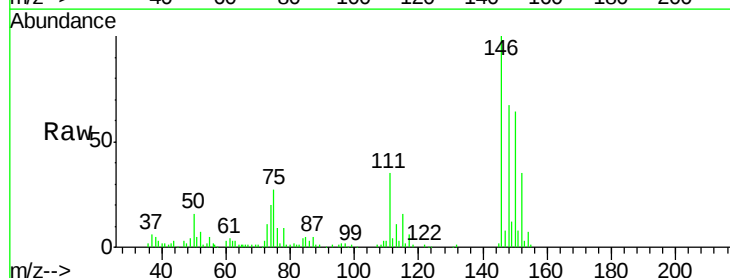


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

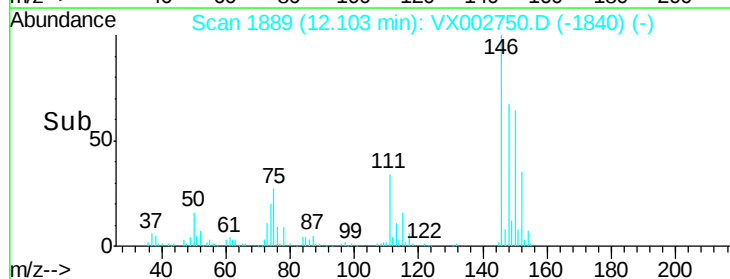
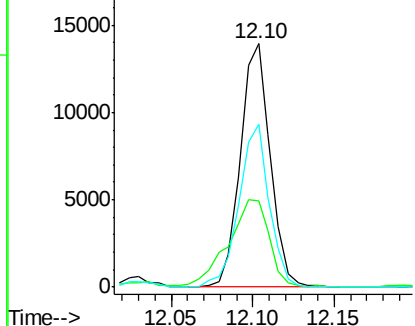


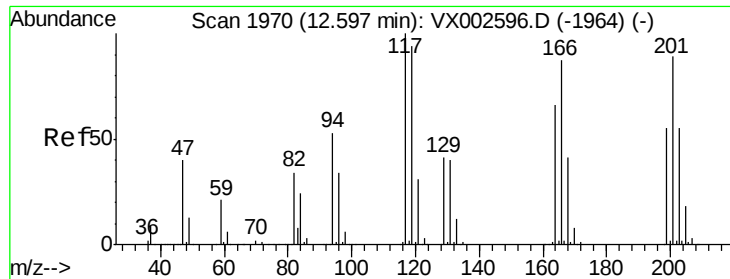
#88
 1,4-Dichlorobenzene
 Concen: 3.19 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002750.D
 Acq: 20 Jun 2018 19:00

Tgt Ion:146 Resp: 17757
 Ion Ratio Lower Upper
 146 100
 111 49.6 18.7 56.1
 148 68.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.65 ug/l

RT: 12.59 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VX002750.D

Acq: 20 Jun 2018 19:00

Instrument :

MSVOA_X

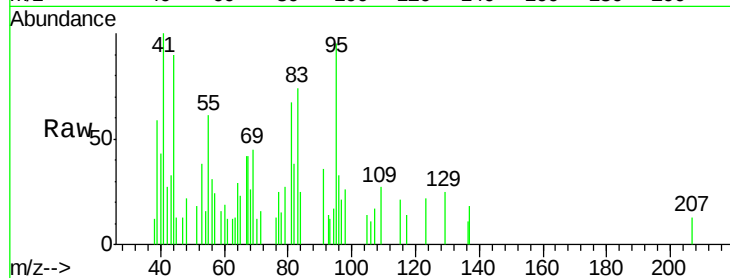
ClientSampleId :

Tot Ion:117 Resp: 45

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

