

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001897.D
 Acq On : 22 May 2018 16:56
 Operator : JC/MD
 Sample : J2988-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:14:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	451579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212140	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	245587	57.61	ug/l	0.00
Spiked Amount			Recovery	=	115.22%	
35) Dibromofluoromethane	5.51	113	196262	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	8.72	98	675743	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.14	95	220539	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	

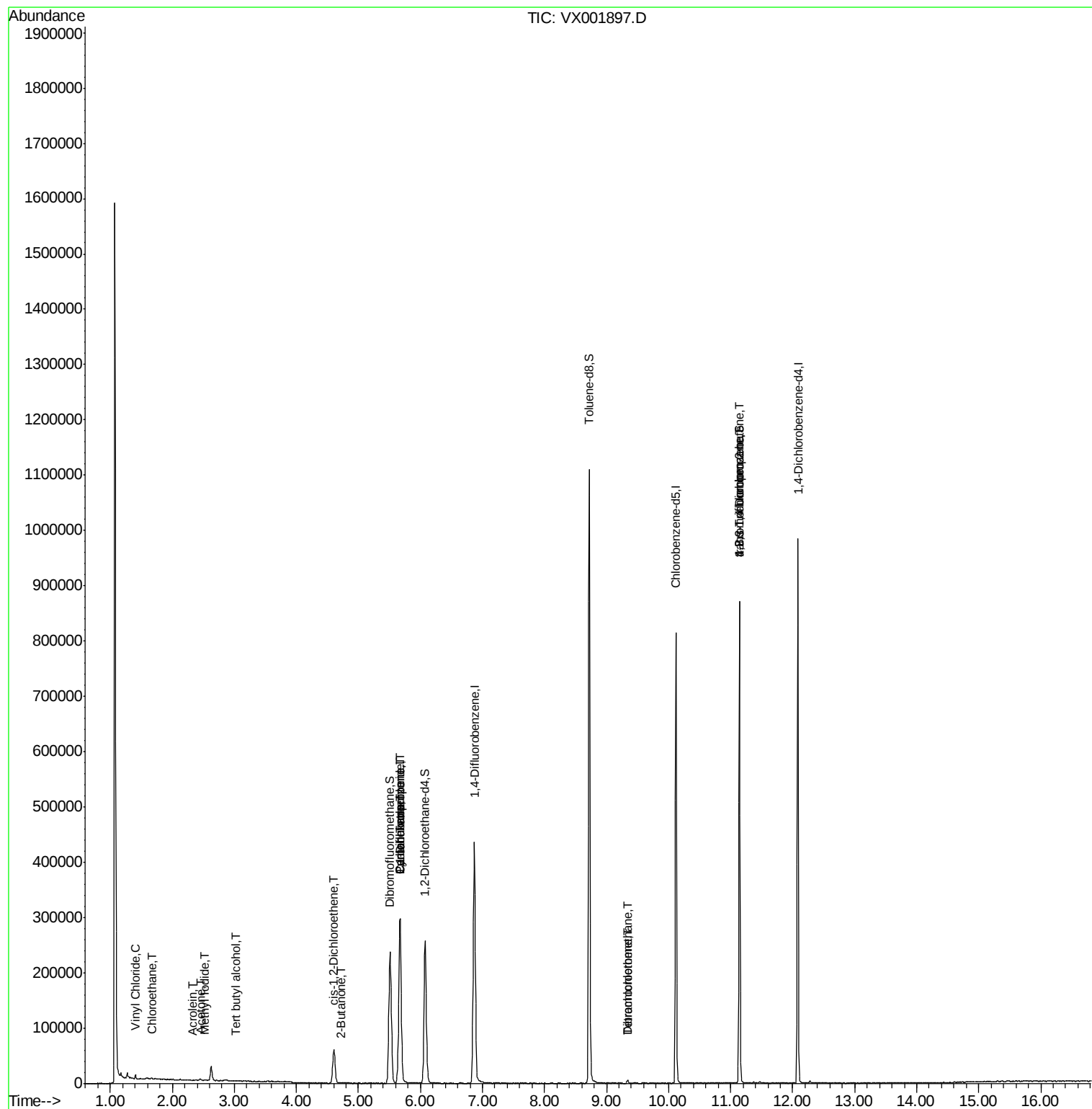
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	5202	1.40	ug/l	100
5) Bromomethane	1.66	94	1184	Below Cal		91
6) Chloroethane	1.67	64	584	0.25	ug/l #	73
10) Methyl Iodide	2.52	142	1222	0.41	ug/l #	92
11) Tert butyl alcohol	3.02	59	601	0.79	ug/l #	83
13) Acrolein	2.32	56	115	0.21	ug/l #	15
16) Acetone	2.45	43	4006	2.39	ug/l	93
25) 2-Butanone	4.71	43	548	0.21	ug/l #	51
27) cis-1,2-Dichloroethene	4.60	96	39568	10.04	ug/l	95
31) Cyclohexane	5.67	56	5159	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19271	3.71	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26722	4.91	ug/l #	16
60) Dibromochloromethane	9.34	129	1017	0.26	ug/l #	11
64) Tetrachloroethene	9.34	164	1131	0.22	ug/l #	72
76) 1,2,3-Trichloropropane	11.14	75	105544	26.16	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	105544	76.12	ug/l #	10

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
Data File : VX001897.D
Acq On : 22 May 2018 16:56
Operator : JC/MD
Sample : J2988-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 23 01:14:16 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

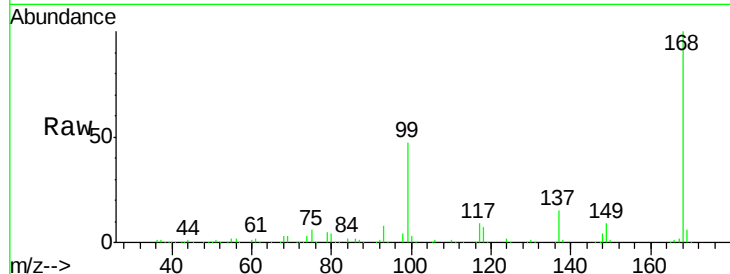
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 318051

Ion Ratio Lower Upper

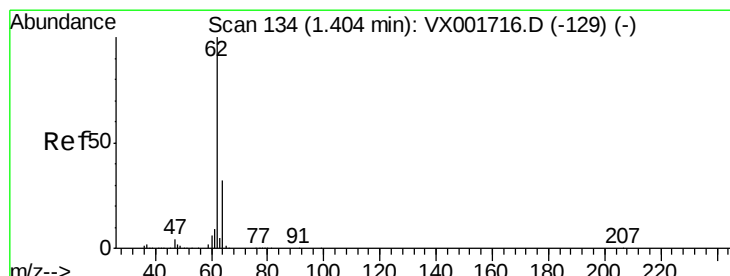
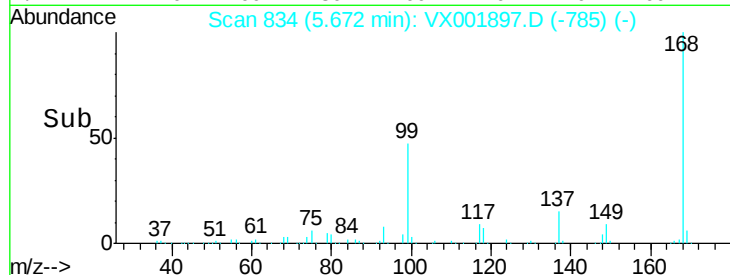
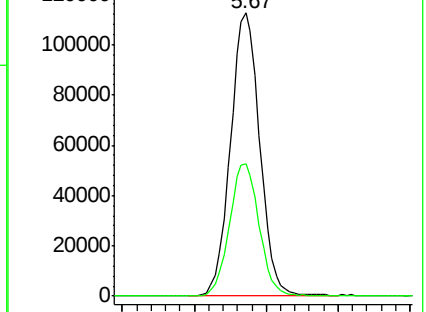
168 100

99 46.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.40 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001897.D

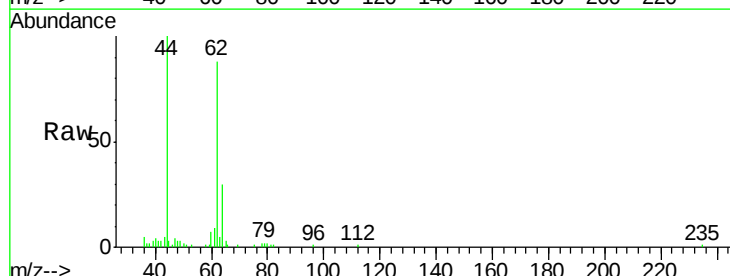
Acq: 22 May 2018 16:56

Tgt Ion: 62 Resp: 5202

Ion Ratio Lower Upper

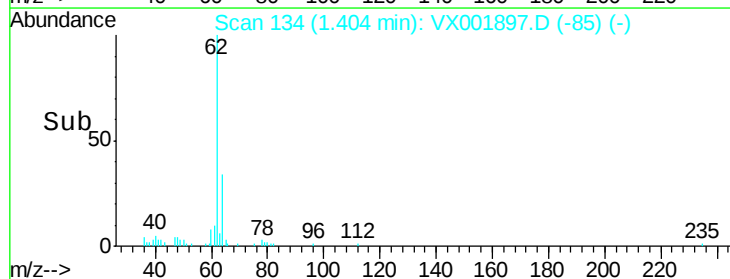
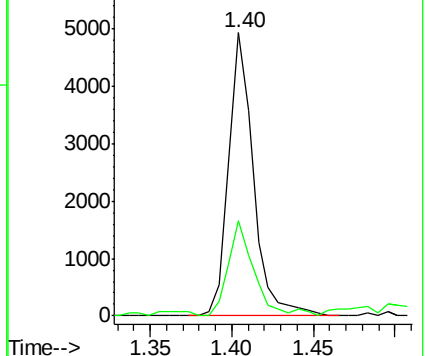
62 100

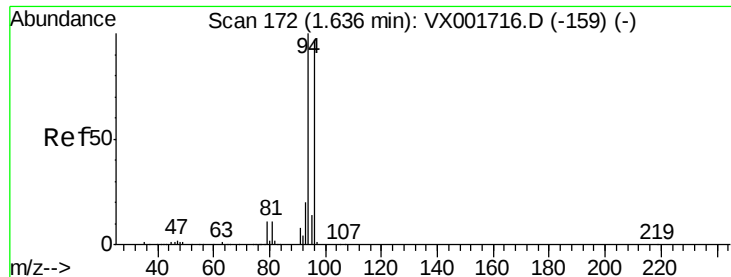
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Instrument :

MSVOA_X

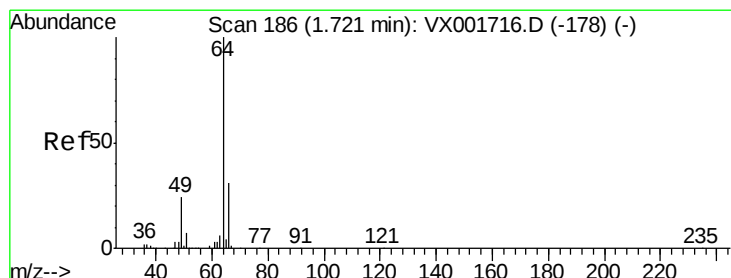
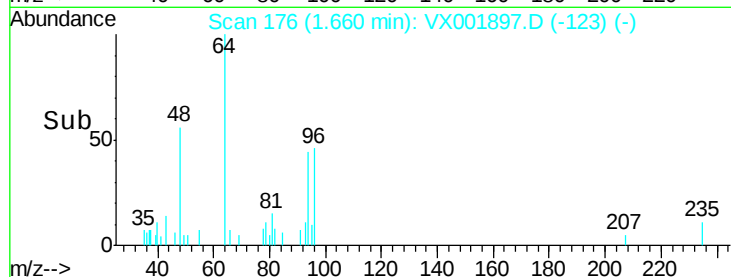
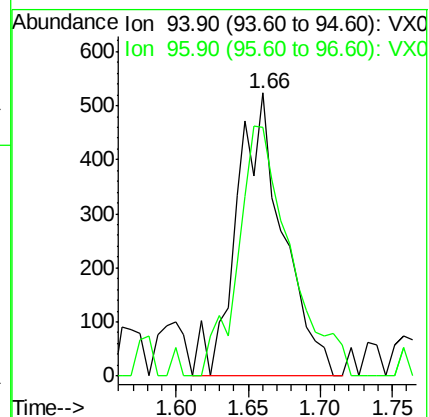
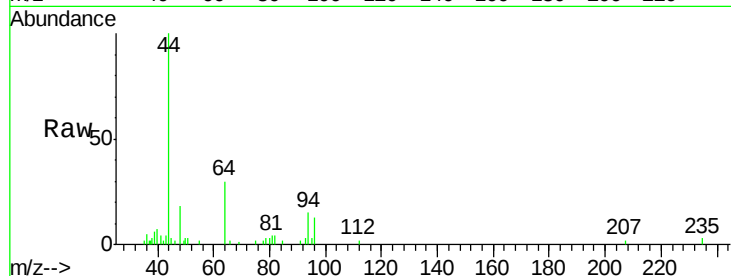
ClientSampleId :

Tot Ion: 94 Resp: 1184

Ion Ratio Lower Upper

94 100

96 87.8 77.4 116.0



#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.67 min Scan# 178

Delta R.T. -0.05 min

Lab File: VX001897.D

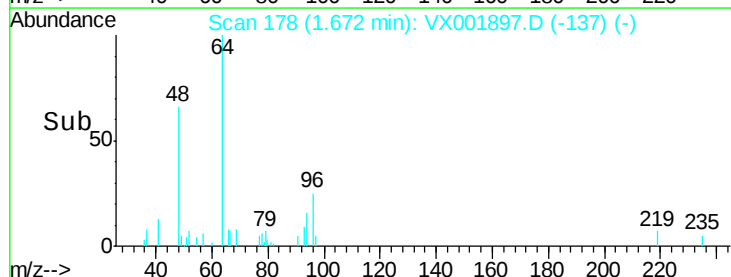
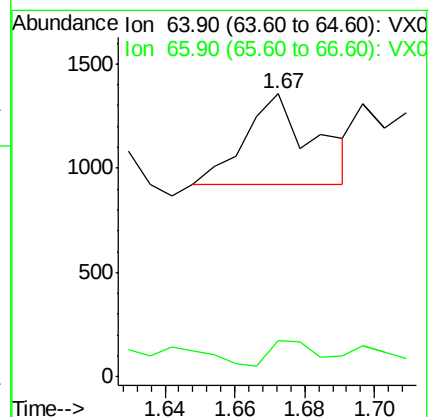
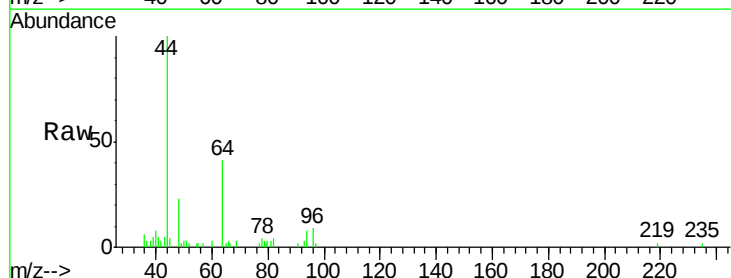
Acq: 22 May 2018 16:56

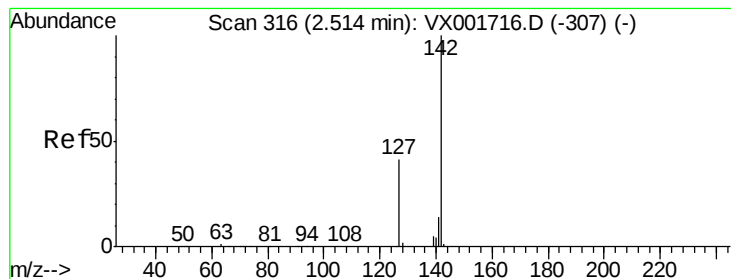
Tgt Ion: 64 Resp: 584

Ion Ratio Lower Upper

64 100

66 16.4 25.2 37.8#





#10

Methvl Iodide

Concen: 0.41 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

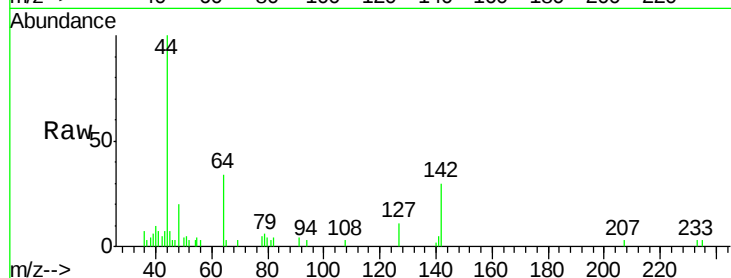
Tot Ion:142 Resp: 1222

Ion Ratio Lower Upper

142 100

127 45.6 32.5 48.7

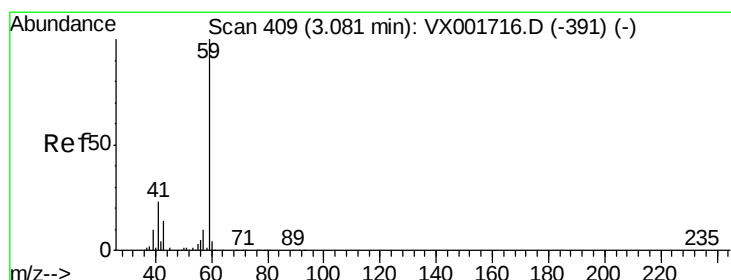
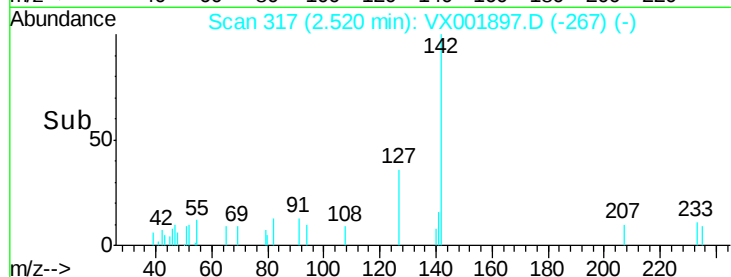
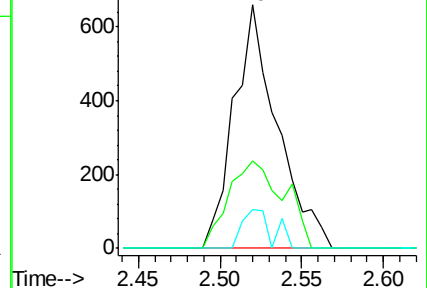
141 10.7 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.79 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX001897.D

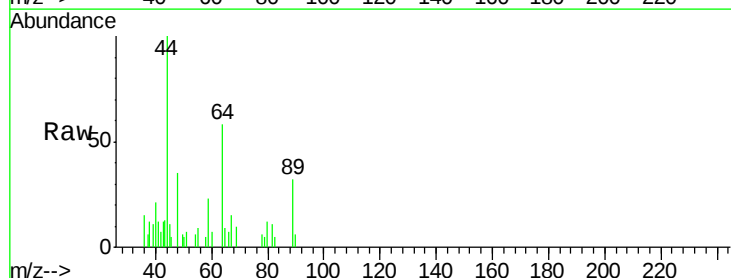
Acq: 22 May 2018 16:56

Tgt Ion: 59 Resp: 601

Ion Ratio Lower Upper

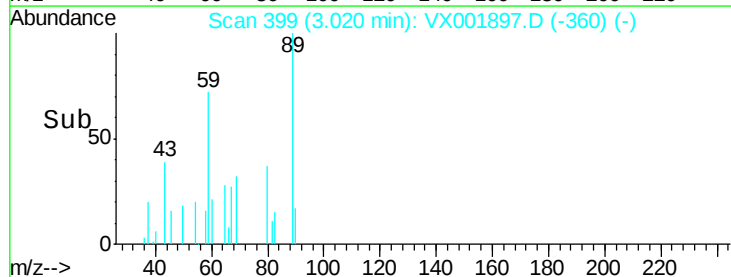
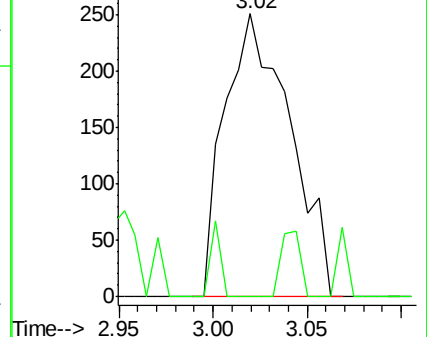
59 100

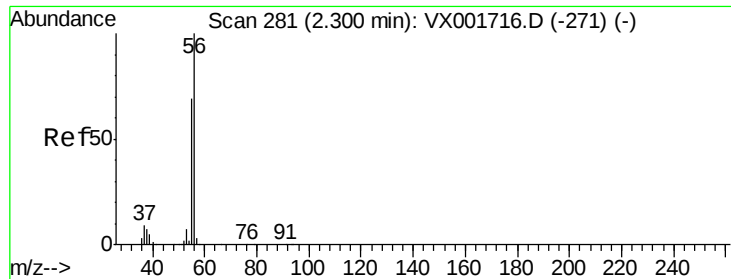
57 4.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Instrument :

MSVOA_X

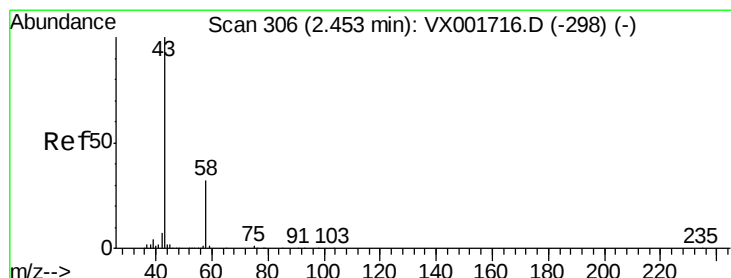
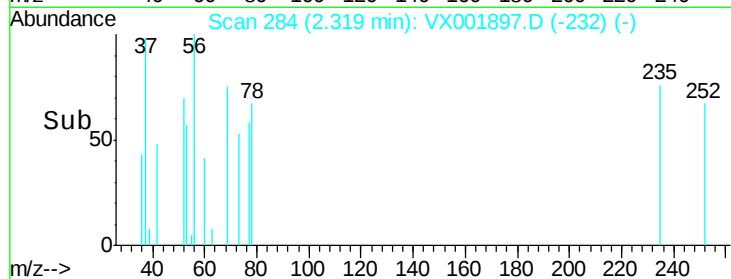
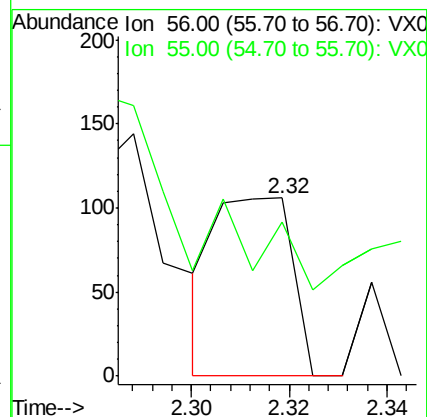
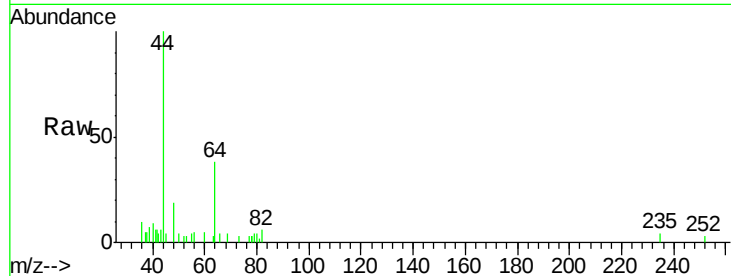
ClientSampleId :

Tot Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#16

Acetone

Concen: 2.39 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001897.D

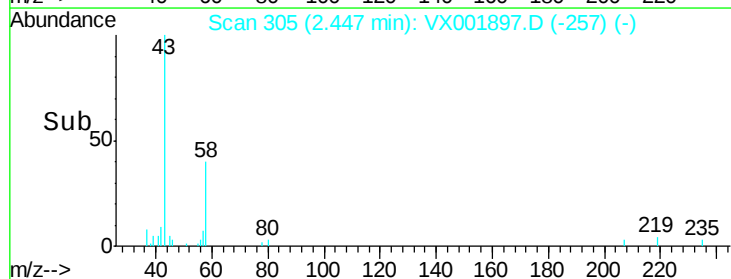
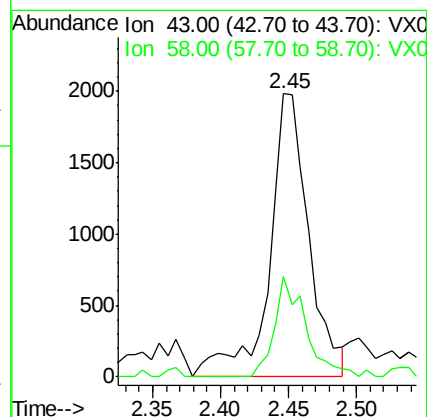
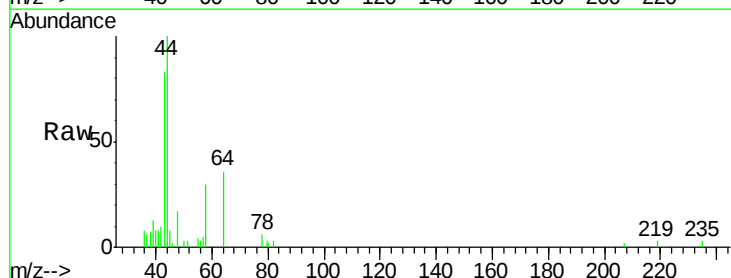
Acq: 22 May 2018 16:56

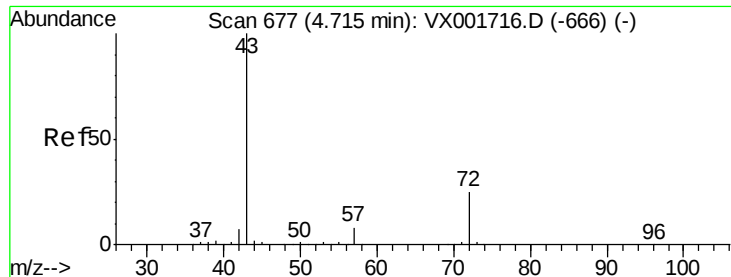
Tgt Ion: 43 Resp: 4006

Ion Ratio Lower Upper

43 100

58 35.6 25.3 37.9





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Instrument :

MSVOA_X

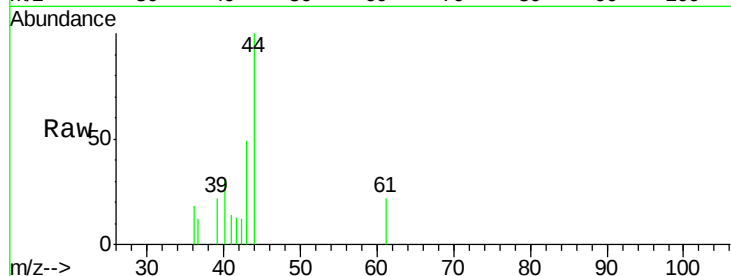
ClientSampled :

Tot Ion: 43 Resp: 548

Ion Ratio Lower Upper

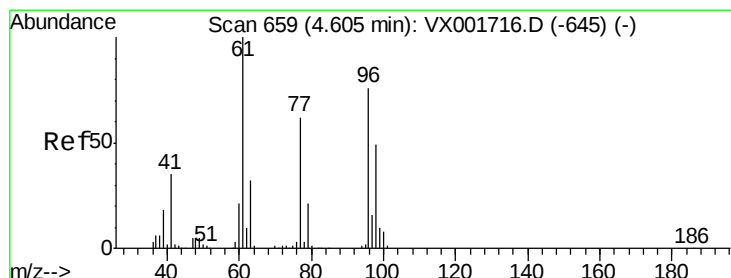
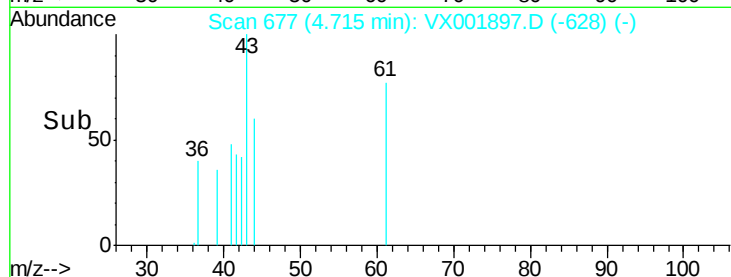
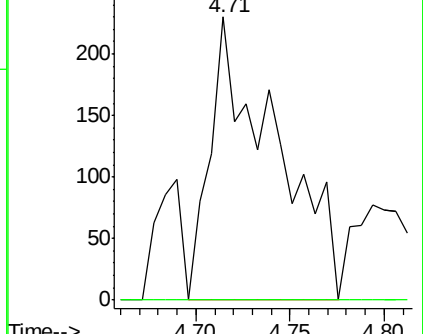
43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 10.04 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

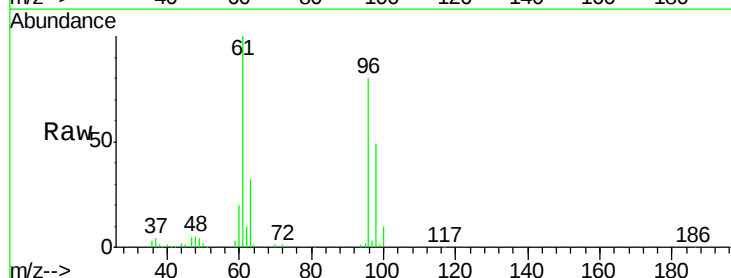
Tgt Ion: 96 Resp: 39568

Ion Ratio Lower Upper

96 100

61 130.8 0.0 280.4

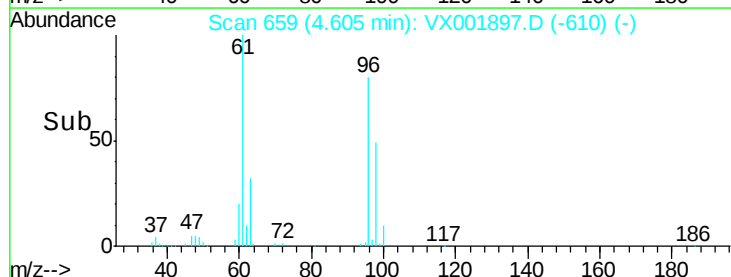
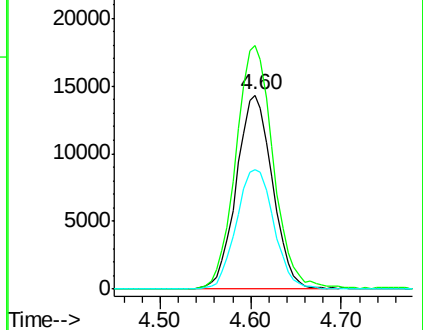
98 63.9 0.0 128.4

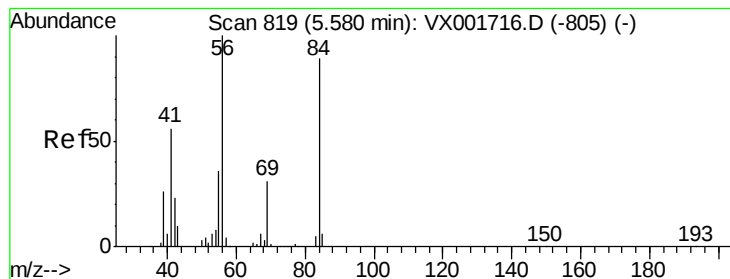


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cvclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

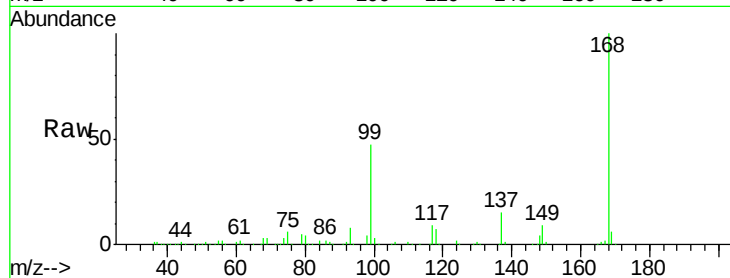
Delta R.T. 0.09 min

Lab File: VX001897.D

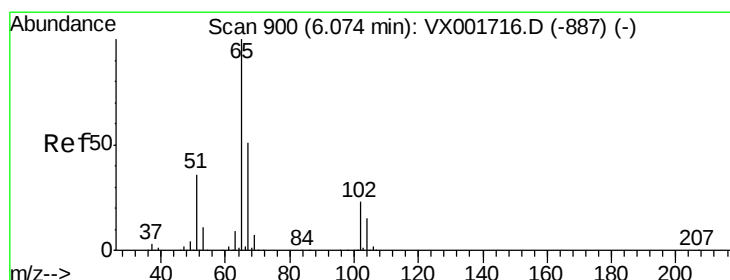
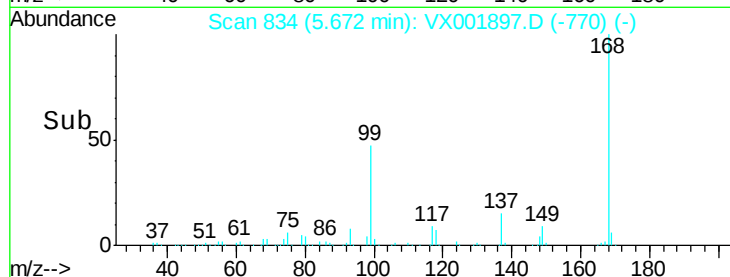
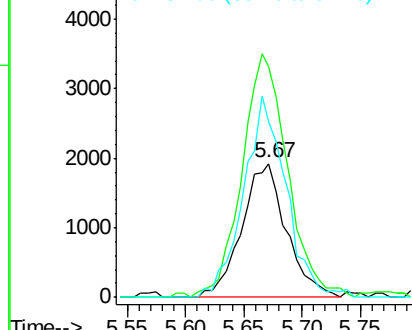
Acq: 22 May 2018 16:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 5159
Ion Ratio Lower Upper
56 100
69 172.5 25.0 37.6#
84 131.2 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 57.61 ug/l

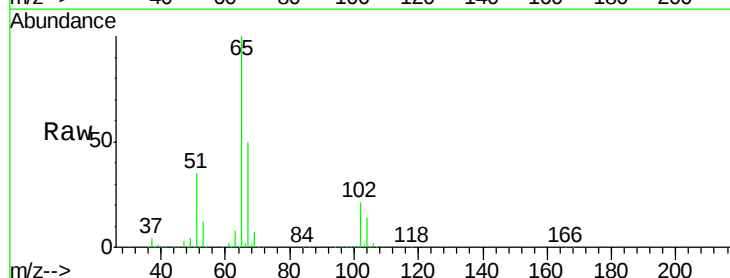
RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

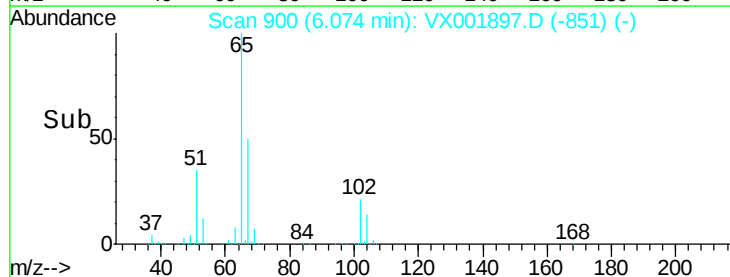
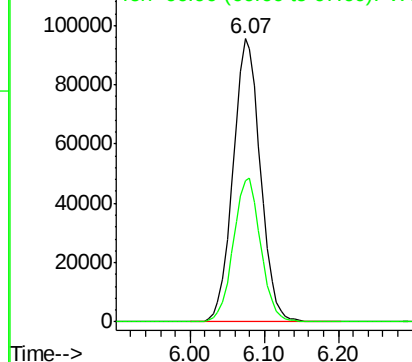
Lab File: VX001897.D

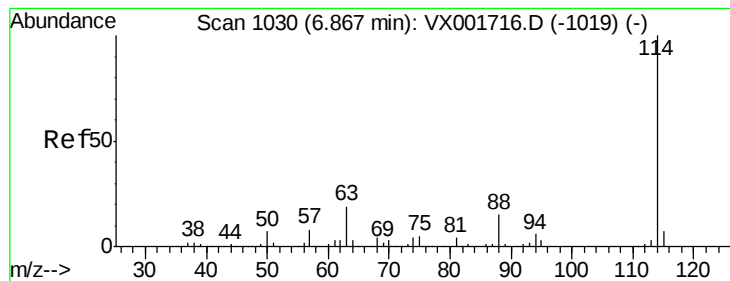
Acq: 22 May 2018 16:56

Tgt Ion: 65 Resp: 245587
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

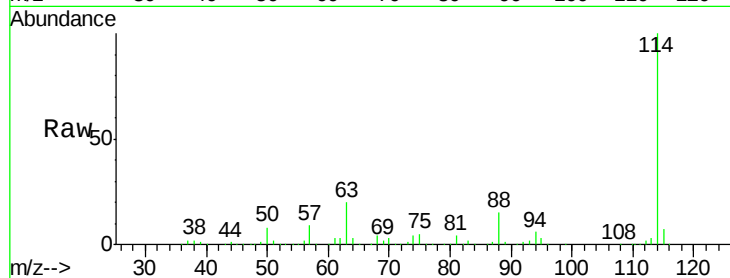
Tot Ion:114 Resp: 451579

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.0

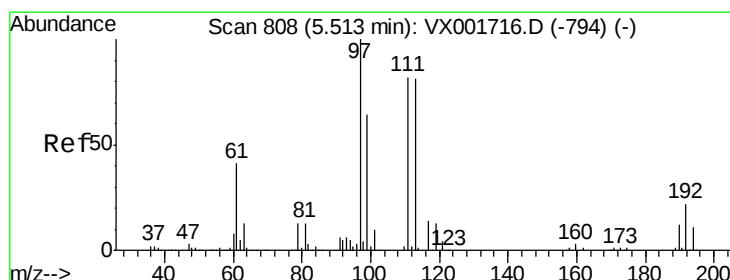
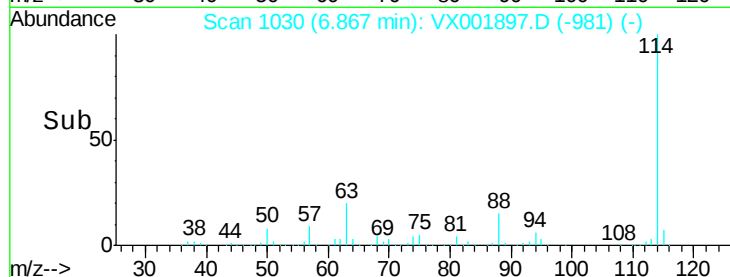
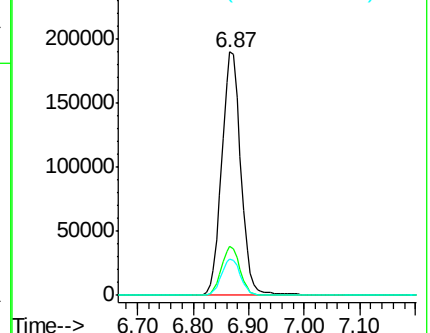
88 15.1 0.0 29.8



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: 51.50 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

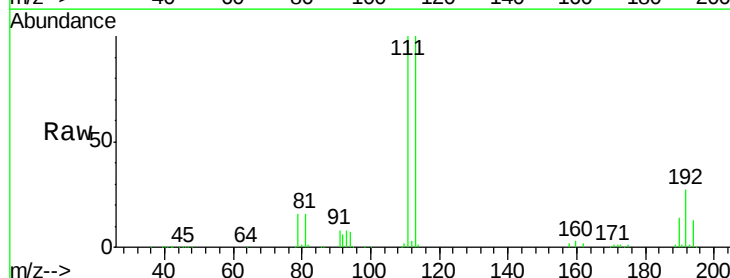
Tgt Ion:113 Resp: 196262

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

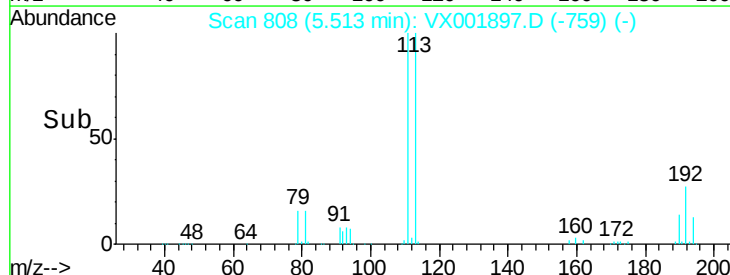
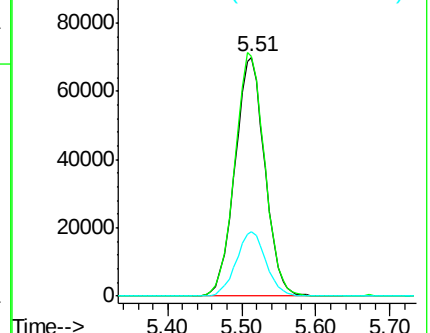
192 26.7 21.6 32.4

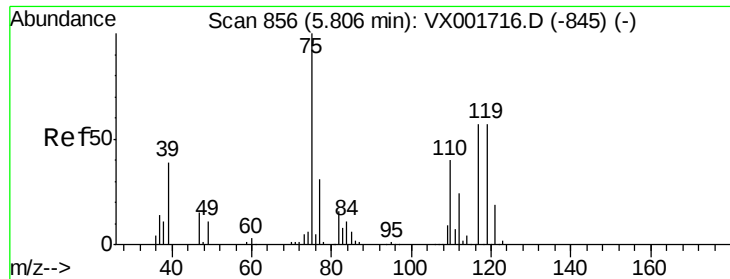


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

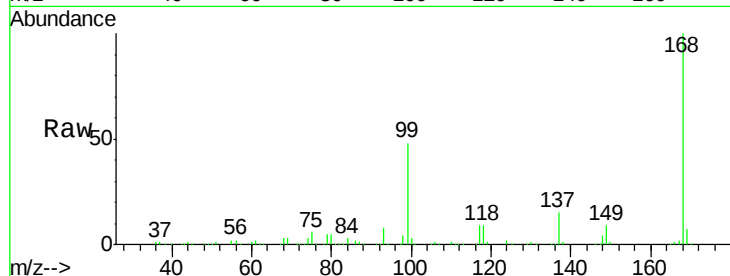




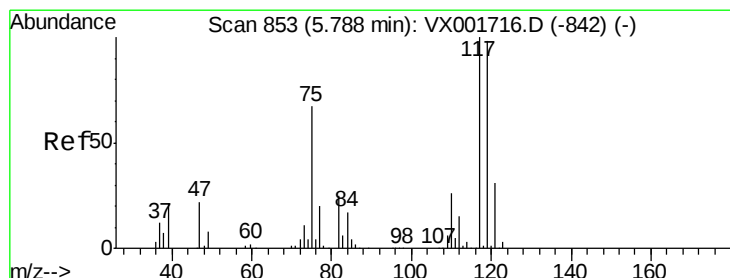
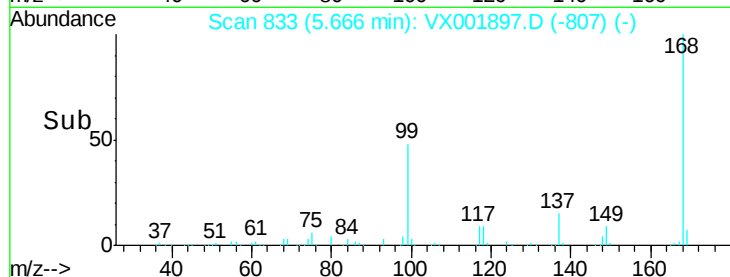
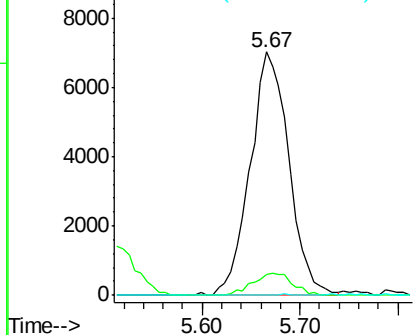
#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001897.D
 Acq: 22 May 2018 16:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.1	57.1#
77	0.1	24.6	37.0#

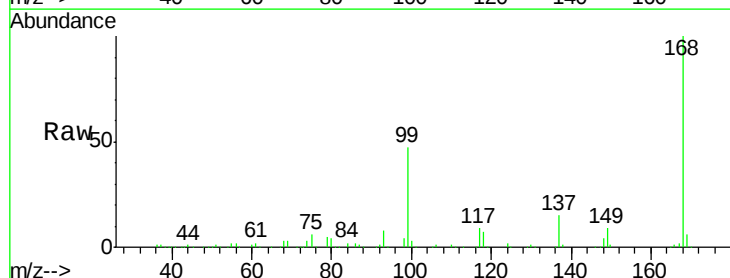


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

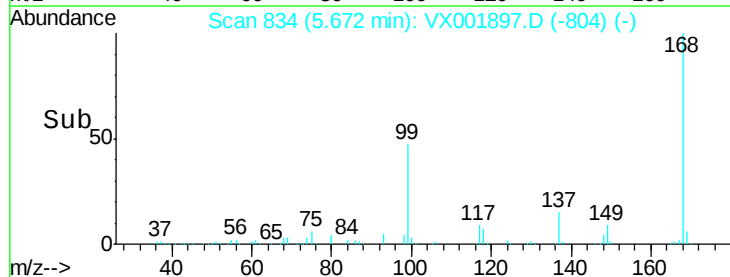
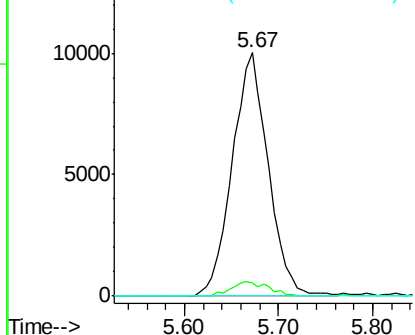


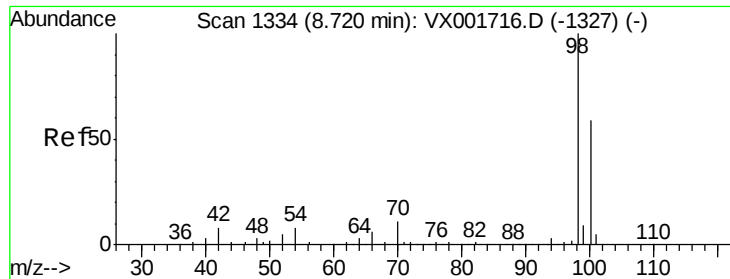
#38
 Carbon Tetrachloride
 Concen: 4.91 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001897.D
 Acq: 22 May 2018 16:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.6	116.4#
121	0.0	24.6	36.8#



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





#50

Toluene-d8

Concen: 49.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

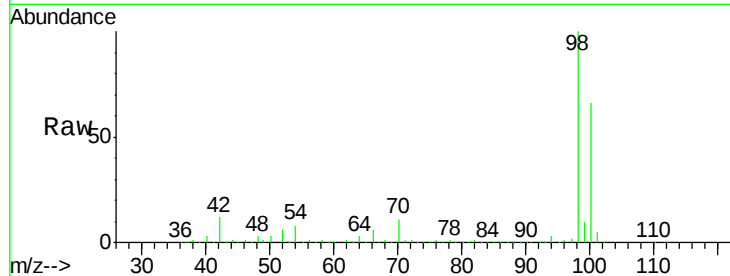
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 675743

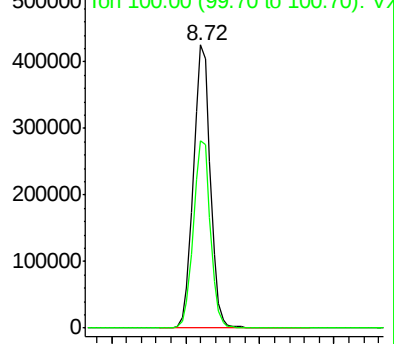
Ion Ratio Lower Upper

98 100

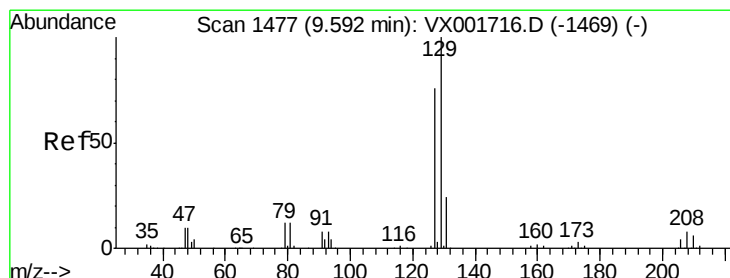
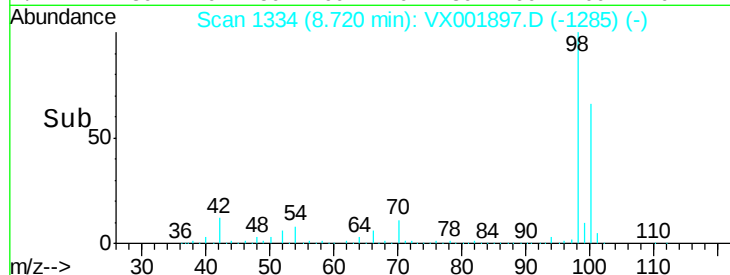
100 66.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX001897.D (-1285) (-)



Time-->



#60

Dibromochloromethane

Concen: 0.26 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001897.D

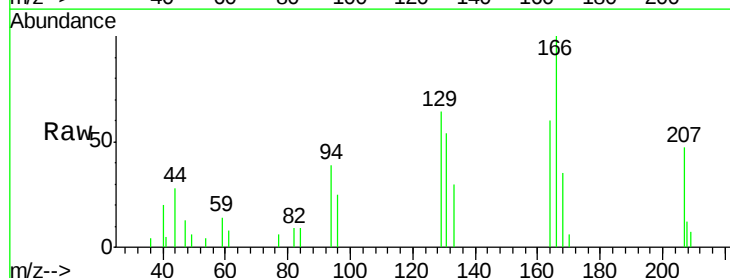
Acq: 22 May 2018 16:56

Tgt Ion: 129 Resp: 1017

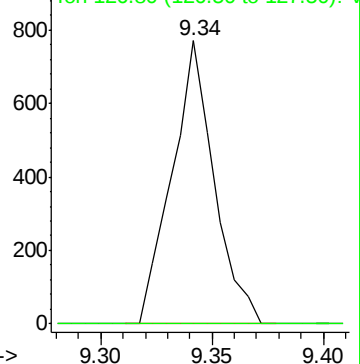
Ion Ratio Lower Upper

129 100

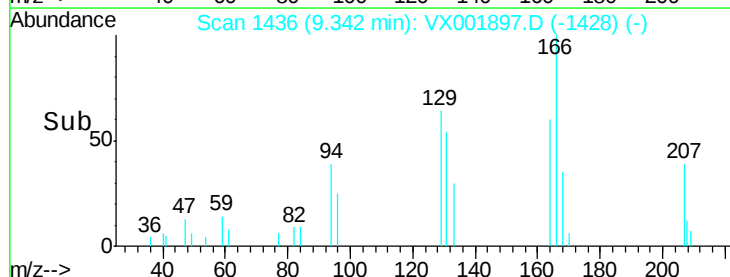
127 0.0 38.7 116.1#

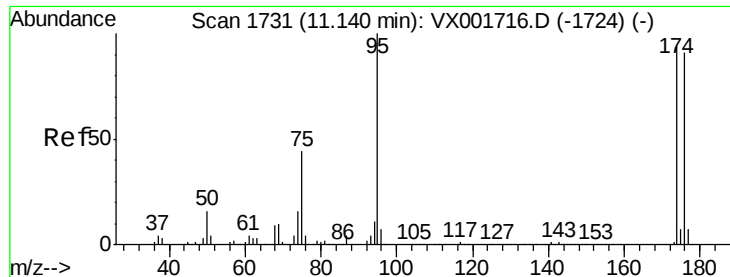


Abundance Ion 128.80 (128.50 to 129.50): VX001897.D (-1428) (-)



Time-->

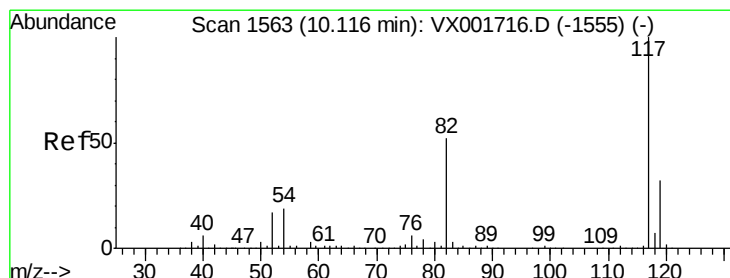
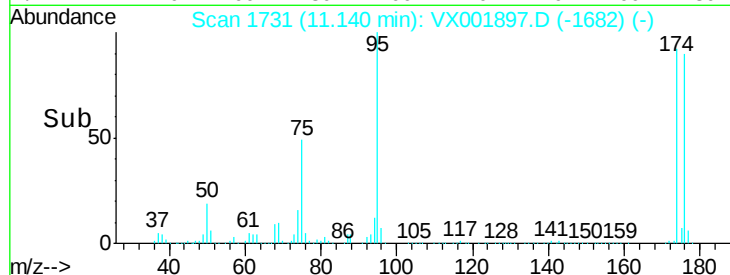
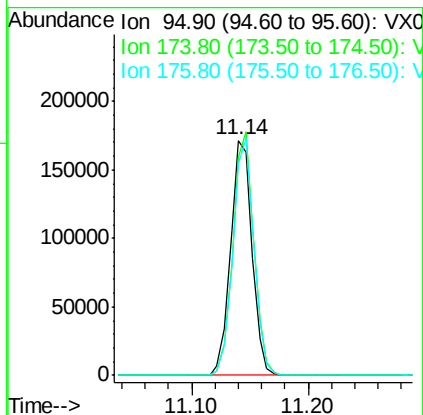
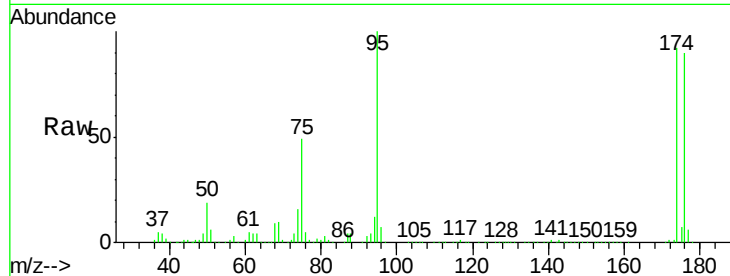




#62
4-Bromofluorobenzene
Concen: 44.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001897.D
Acq: 22 May 2018 16:56

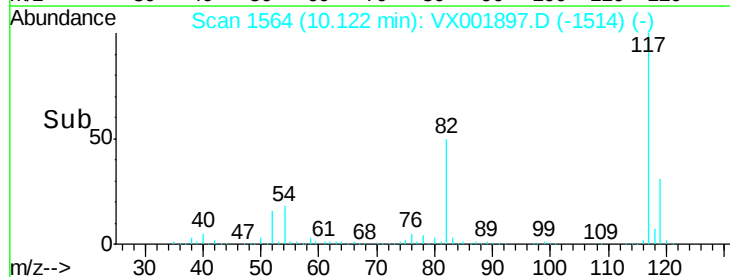
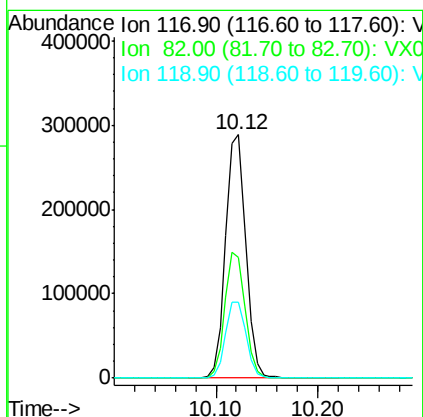
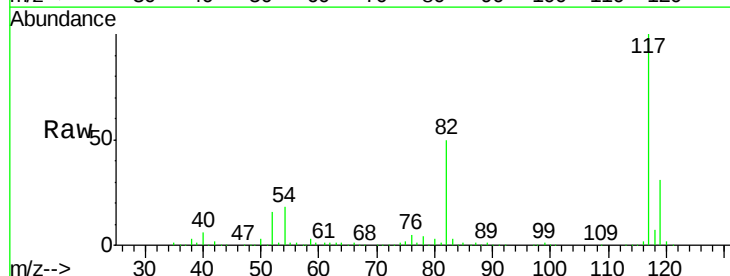
Instrument :
MSVOA_X
ClientSampled :

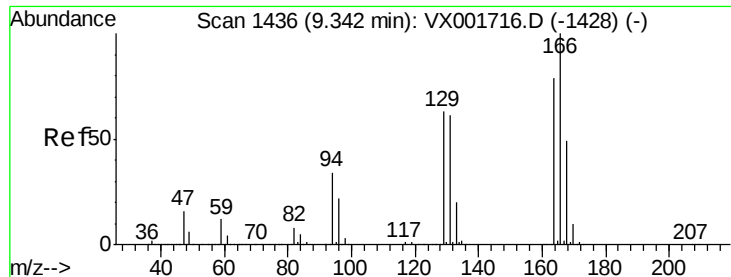
Tot Ion: 95 Resp: 220539
Ion Ratio Lower Upper
95 100
174 100.8 0.0 201.8
176 98.3 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001897.D
Acq: 22 May 2018 16:56

Tgt Ion: 117 Resp: 396427
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.2
119 31.2 25.6 38.4

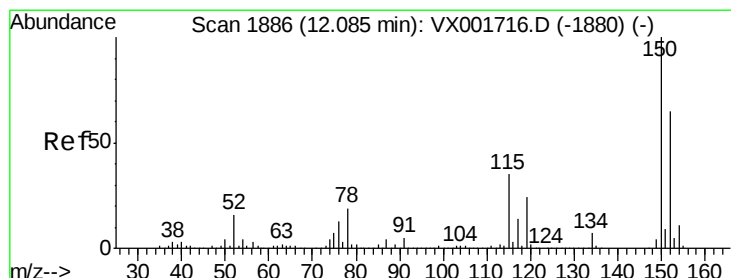
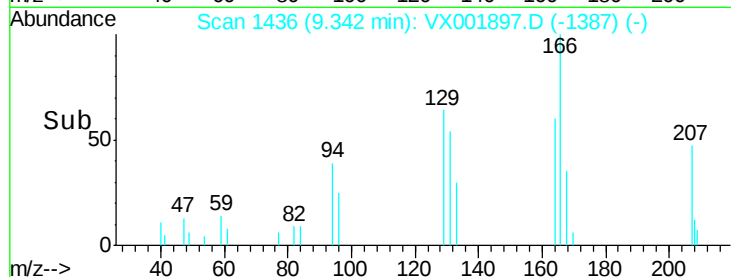
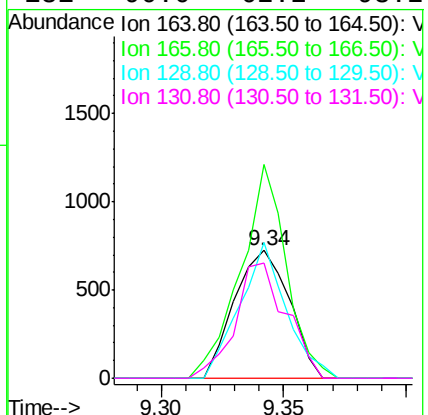
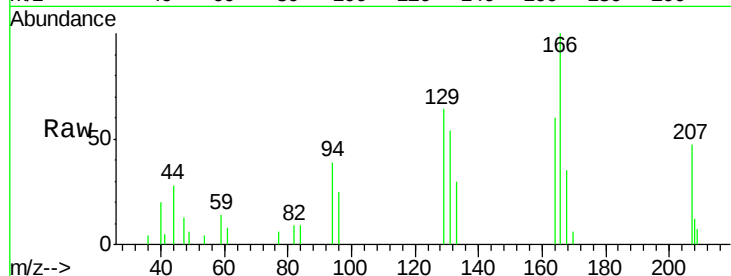




#64
Tetrachloroethene
Concen: 0.22 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001897.D
Acq: 22 May 2018 16:56

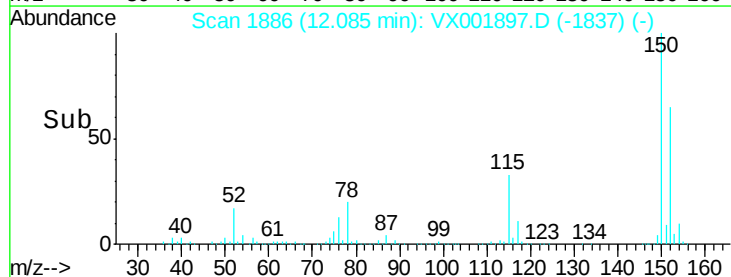
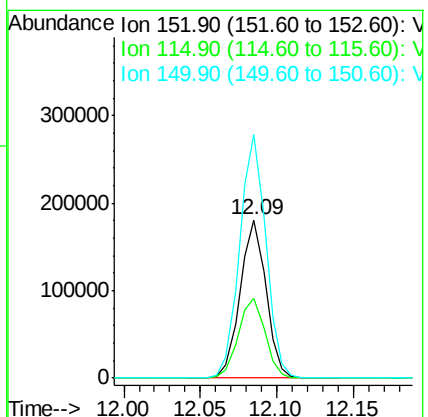
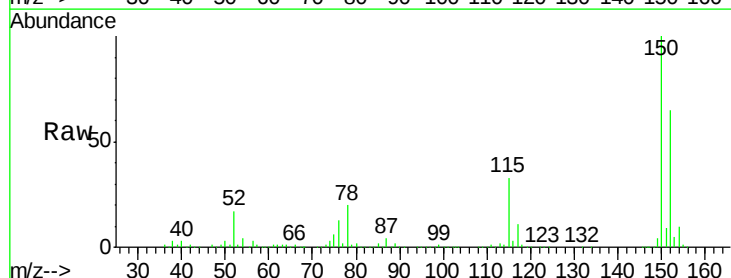
Instrument :
MSVOA_X
ClientSampleId :

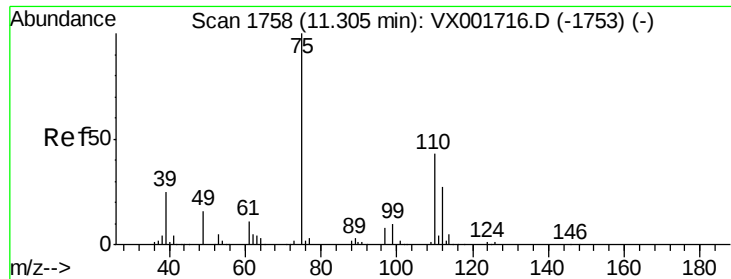
Tot Ion	Ratio	Lower	Upper
164	100		
166	167.6	101.8	152.8#
129	106.6	63.8	95.6#
131	90.0	62.2	93.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001897.D
Acq: 22 May 2018 16:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	37.4	112.2
150	156.2	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 26.16 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Instrument :

MSVOA_X

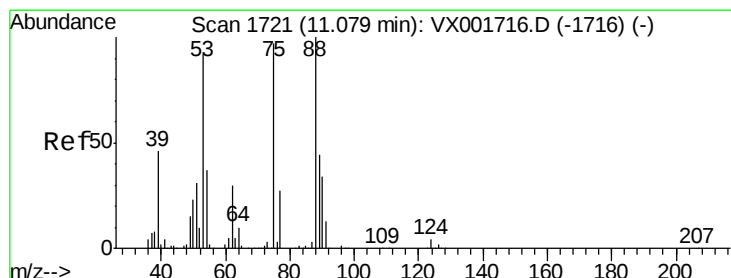
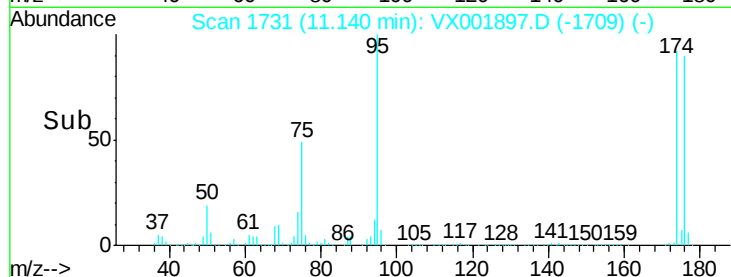
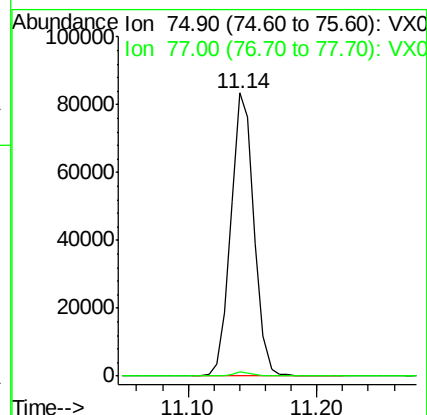
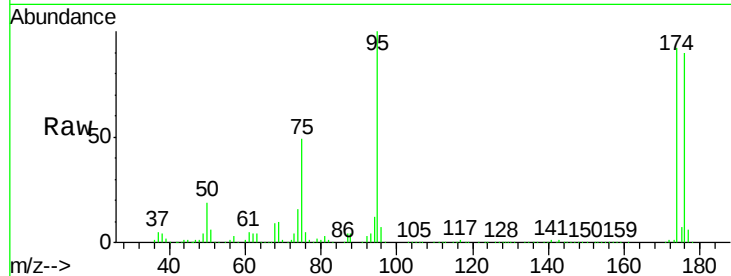
ClientSampled :

Tot Ion: 75 Resp: 105544

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001897.D

Acq: 22 May 2018 16:56

Tgt Ion: 75 Resp: 105544

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.2#

89 0.0 38.8 58.2#

