

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002739.D
 Acq On : 20 Jun 2018 03:48
 Operator : JC/MD
 Sample : J3517-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 07:04:03 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	229630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	169277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156145	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	
35) Dibromofluoromethane	5.51	113	120966	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	8.72	98	456815	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
62) 4-Bromofluorobenzene	11.14	95	160544	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

Target Compounds

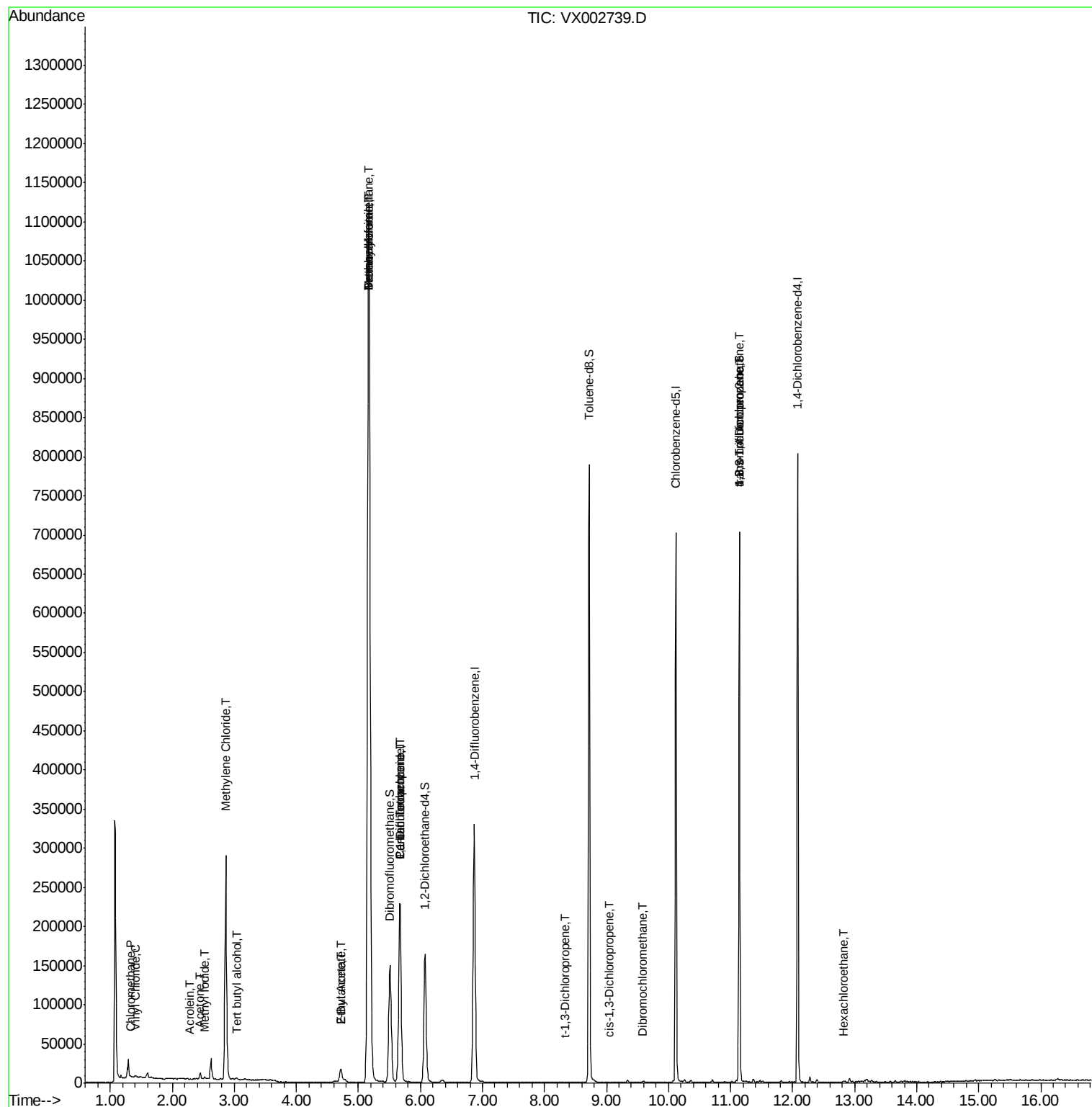
						Qvalue
3) Chloromethane	1.32	50	646	0.22	ug/l	93
4) Vinyl Chloride	1.40	62	824	0.27	ug/l #	1
10) Methyl Iodide	2.52	142	1948	5.65	ug/l #	89
11) Tert butyl alcohol	3.03	59	1183	1.64	ug/l #	73
13) Acrolein	2.29	56	243	7.56	ug/l #	14
16) Acetone	2.45	43	9389	6.10	ug/l	95
20) Methylene Chloride	2.86	84	127768	40.48	ug/l	97
25) 2-Butanone	4.71	43	30682	15.18	ug/l	95
28) Bromochloromethane	5.17	49	2712	1.16	ug/l #	13
29) Tetrahydrofuran	5.17	42	1028369	776.09	ug/l	98
36) 1,1-Dichloropropene	5.67	75	15905	4.63	ug/l #	51
37) Ethyl Acetate	4.71	43	30682	7.89	ug/l #	70
38) Carbon Tetrachloride	5.67	117	21763	6.36	ug/l #	15
41) Methacrylonitrile	5.17	41	596200	271.60	ug/l #	50
53) t-1,3-Dichloropropene	8.32	75	21	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	9.04	75	43	3.22	ug/l #	74
60) Dibromochloromethane	9.59	129	103	3.79	ug/l	86
76) 1,2,3-Trichloropropane	11.14	75	85546	26.78	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	85546	82.71	ug/l #	7
90) Hexachloroethane	12.82	117	19	2.64	ug/l #	1

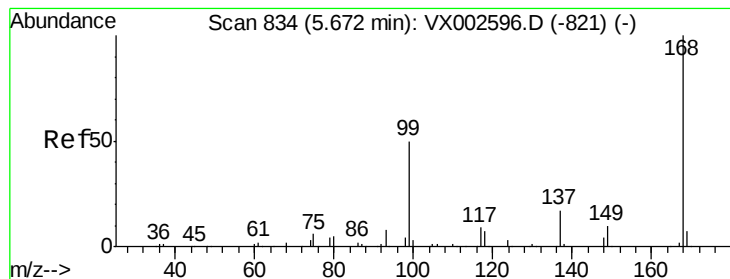
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 834

Delta R.T. 0.00 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

Instrument :

MSVOA_X

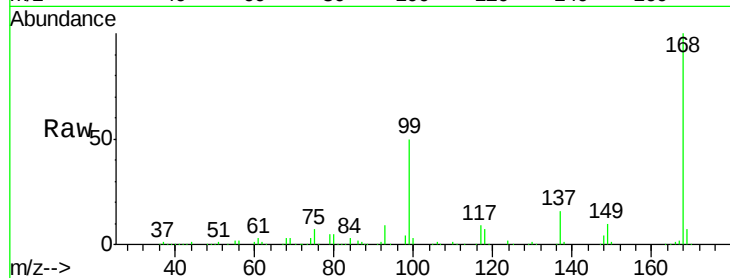
ClientSampled :

Tot Ion:168 Resp: 229630

Ion Ratio Lower Upper

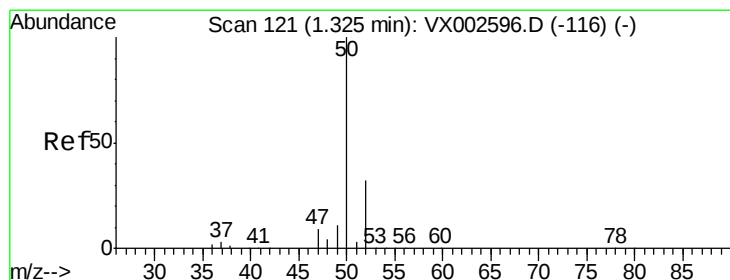
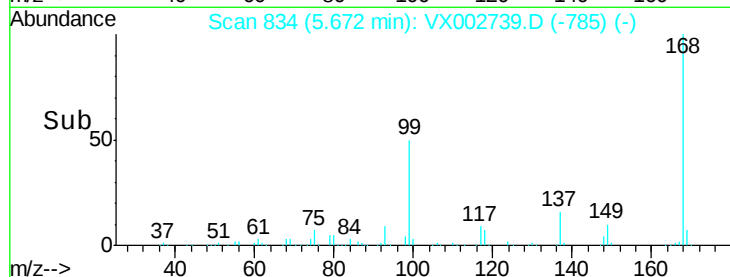
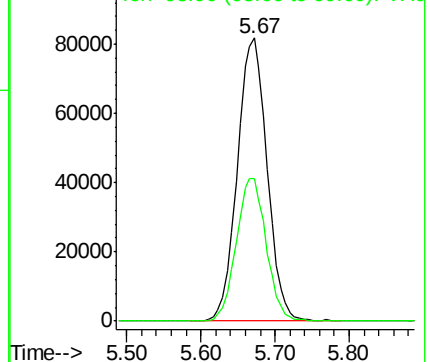
168 100

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: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002739.D

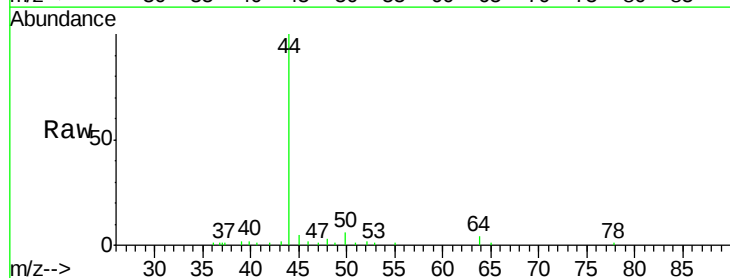
Acq: 20 Jun 2018 03:48

Tgt Ion: 50 Resp: 646

Ion Ratio Lower Upper

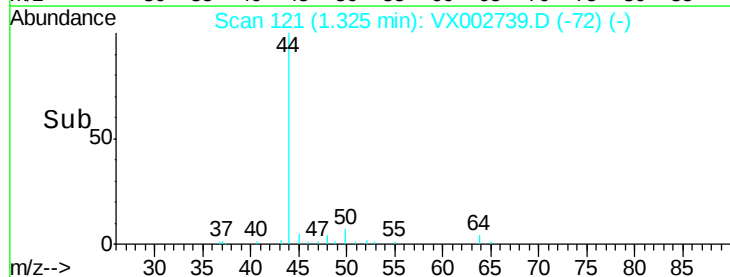
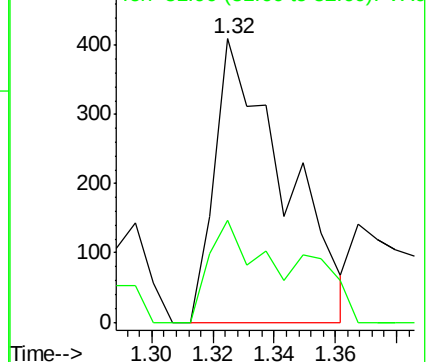
50 100

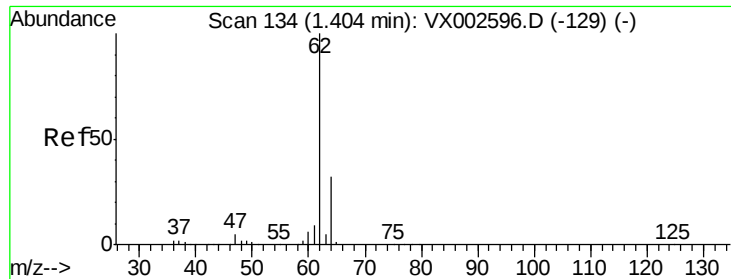
52 36.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

Instrument :

MSVOA_X

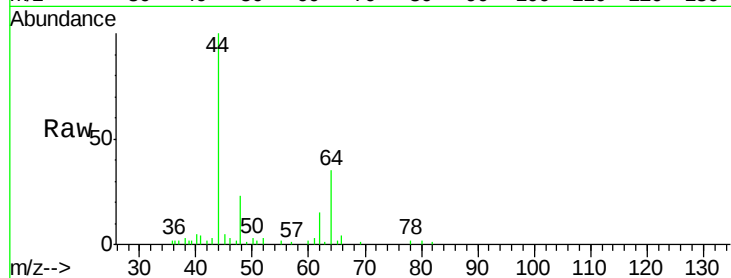
ClientSampled :

Tot Ion: 62 Resp: 824

Ion Ratio Lower Upper

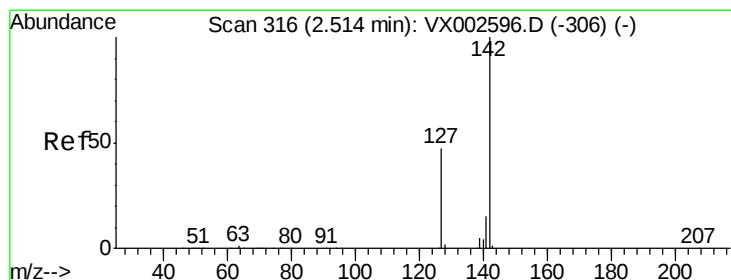
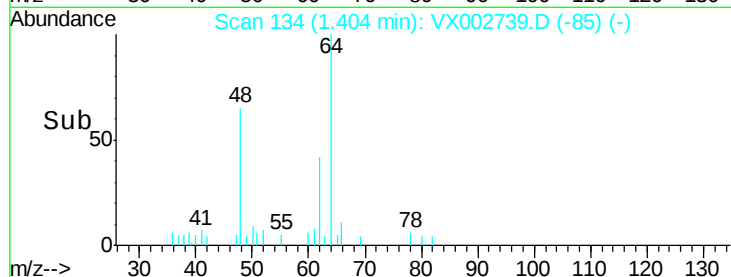
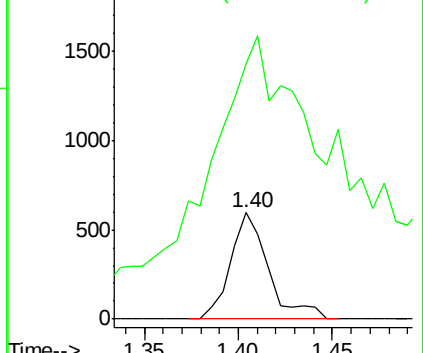
62 100

64 128.6 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 5.65 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

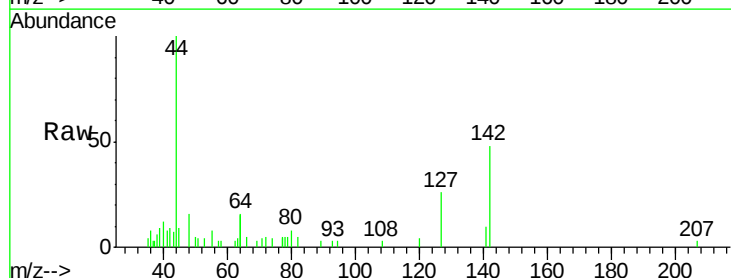
Tgt Ion: 142 Resp: 1948

Ion Ratio Lower Upper

142 100

127 48.5 36.6 55.0

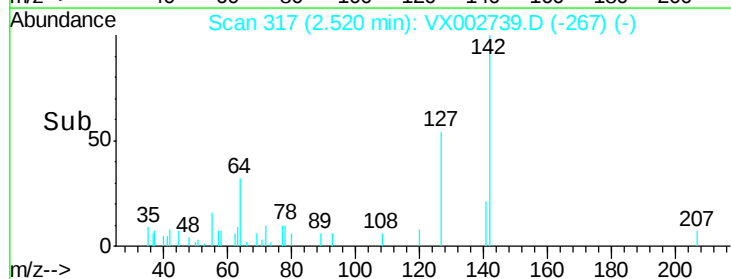
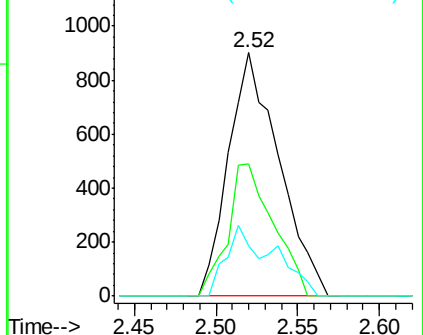
141 27.1 11.3 16.9#

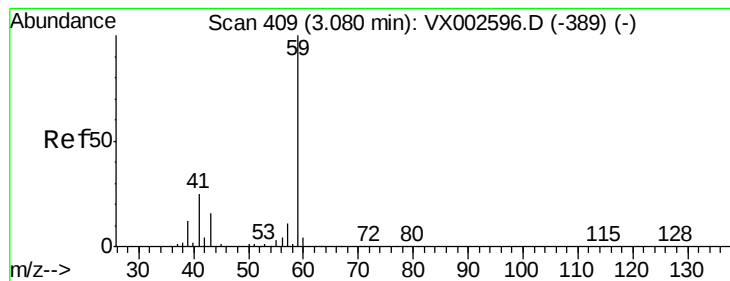


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



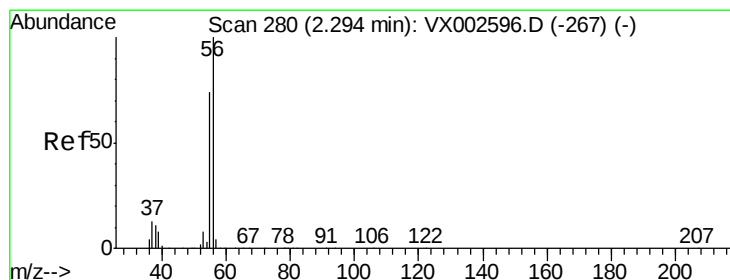
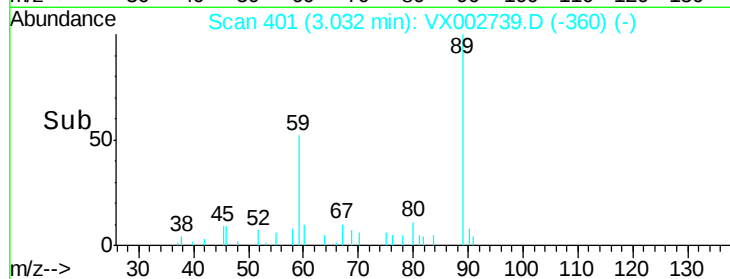
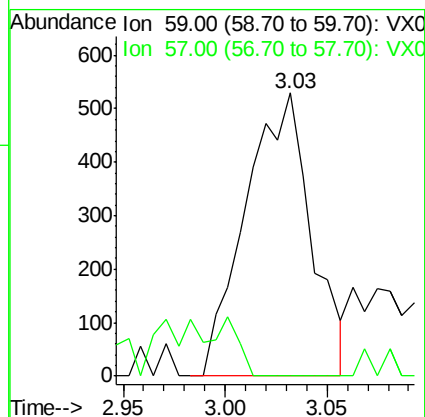
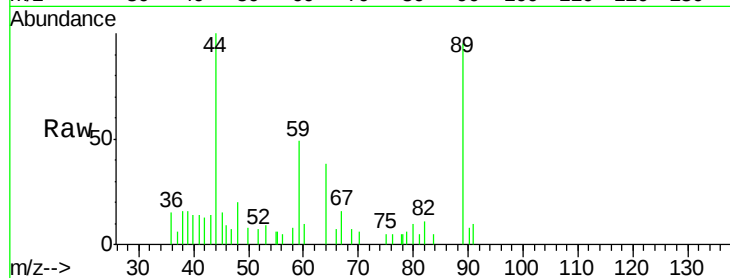


#11

Tert butyl alcohol
Concen: 1.64 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Instrument :
MSVOA_X
ClientSampled :

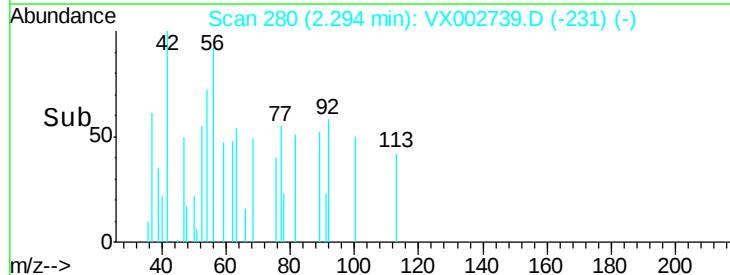
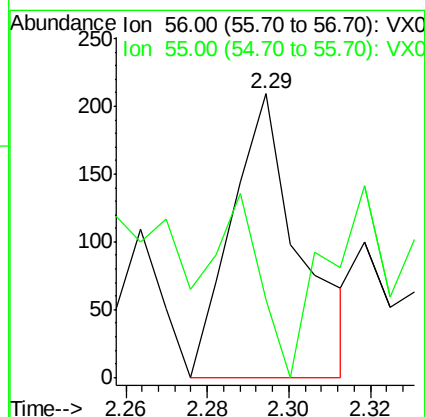
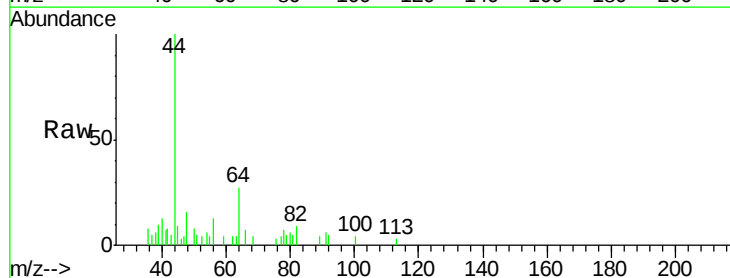
Tot Ion: 59 Resp: 1183
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

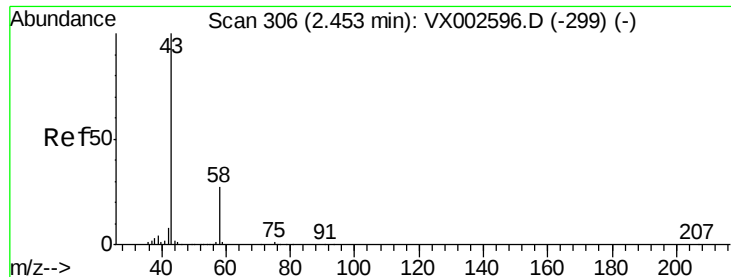


#13

Acrolein
Concen: 7.56 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 6.10 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

Instrument :

MSVOA_X

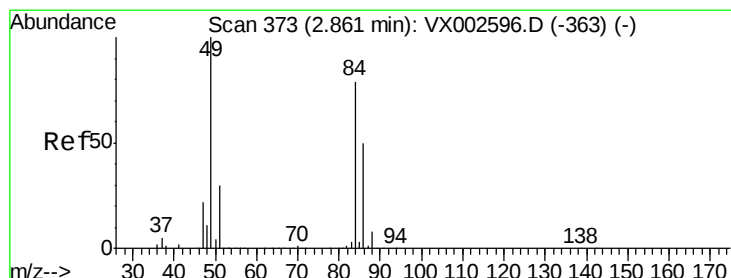
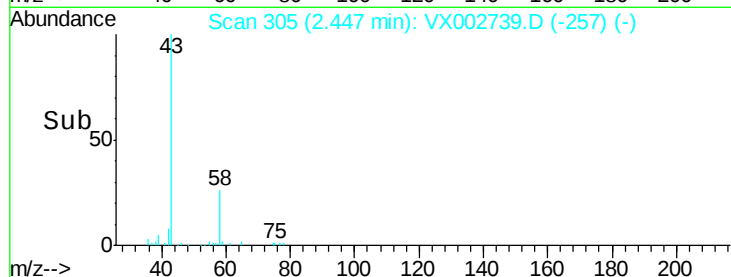
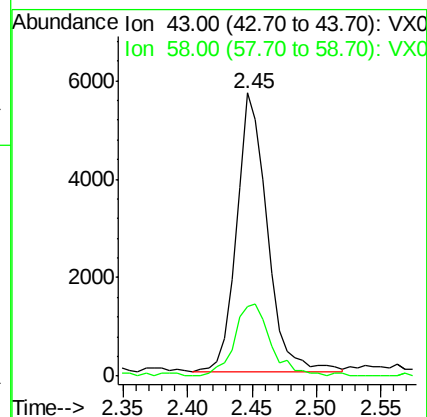
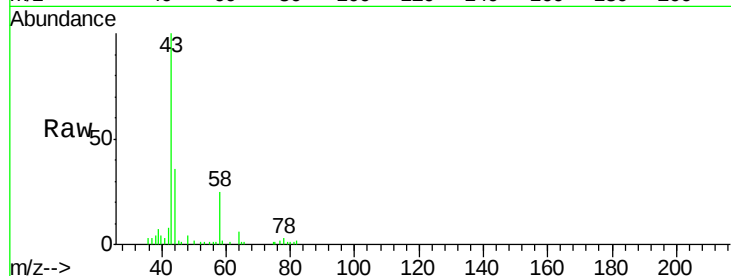
ClientSampleId :

Tot Ion: 43 Resp: 9389

Ion Ratio Lower Upper

43 100

58 25.1 22.1 33.1



#20

Methylene Chloride

Concen: 40.48 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

Tgt Ion: 84 Resp: 127768

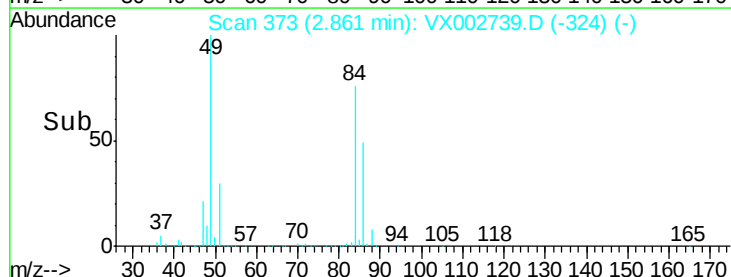
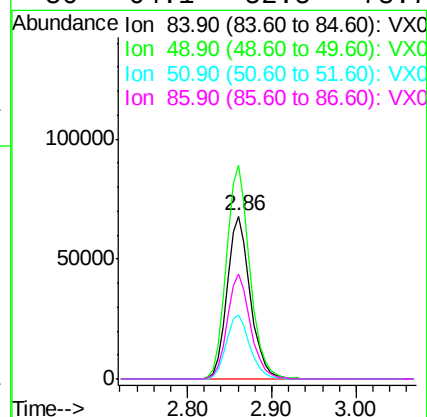
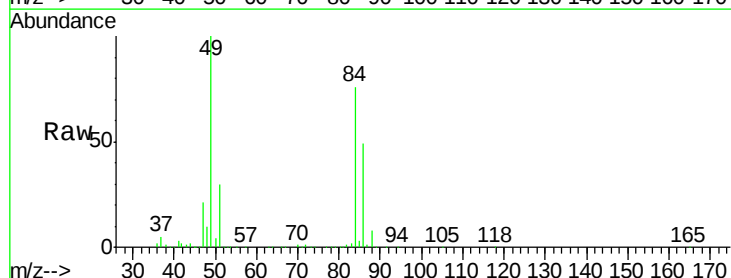
Ion Ratio Lower Upper

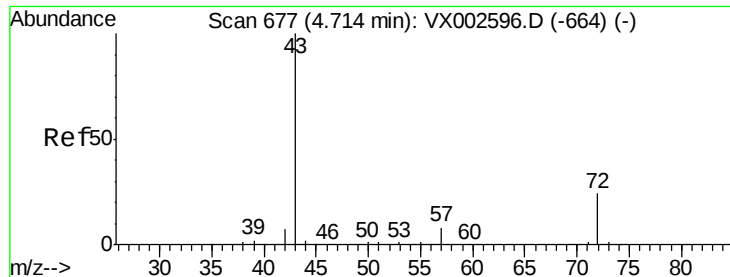
84 100

49 130.9 107.8 161.6

51 39.0 32.8 49.2

86 64.1 52.5 78.7





#25

2-Butanone

Concen: 15.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

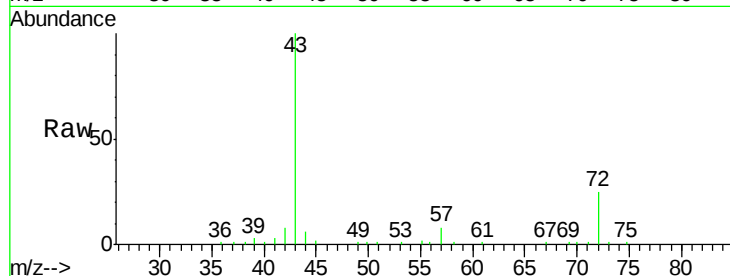
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 30682

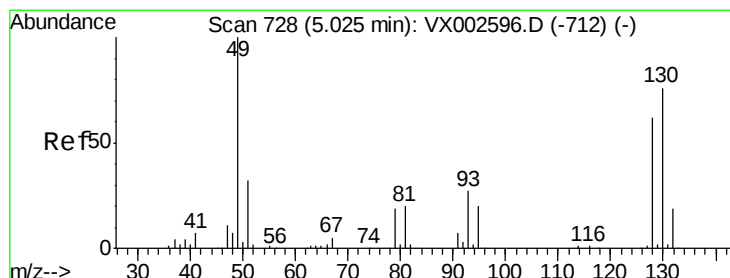
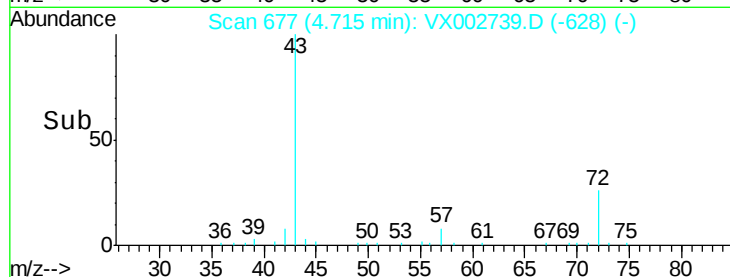
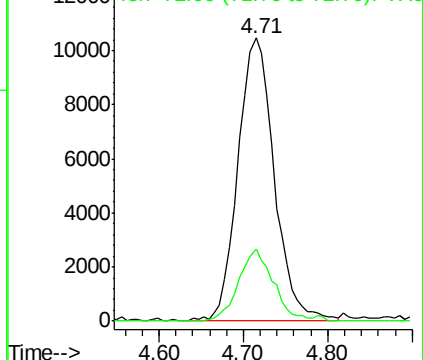
Ion Ratio Lower Upper

43 100

72 25.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 1.16 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.15 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

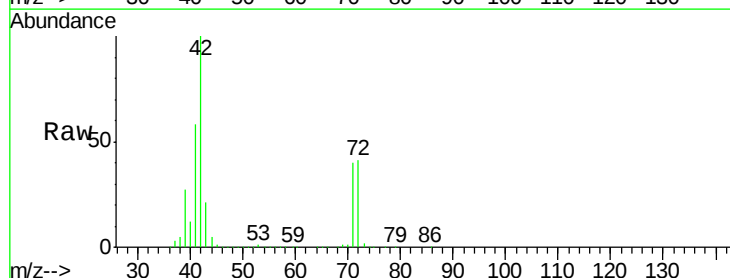
Tgt Ion: 49 Resp: 2712

Ion Ratio Lower Upper

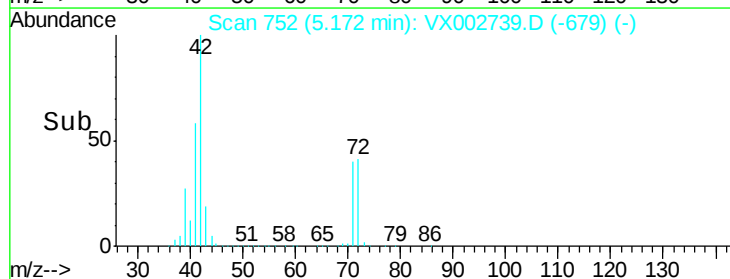
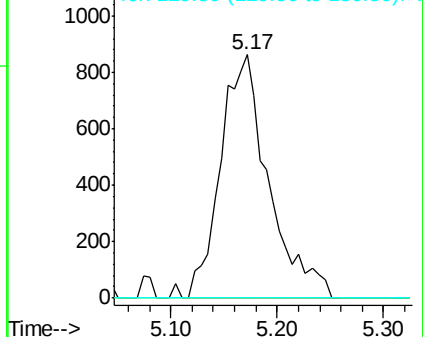
49 100

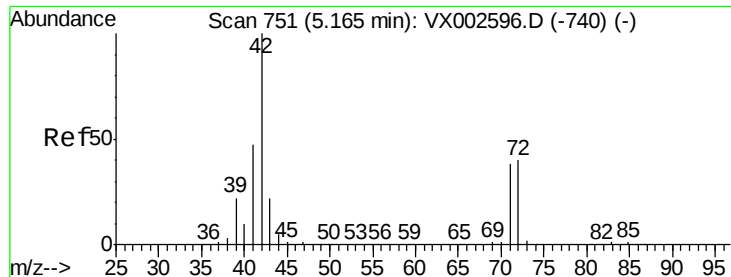
129 0.0 0.0 4.2

130 0.0 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

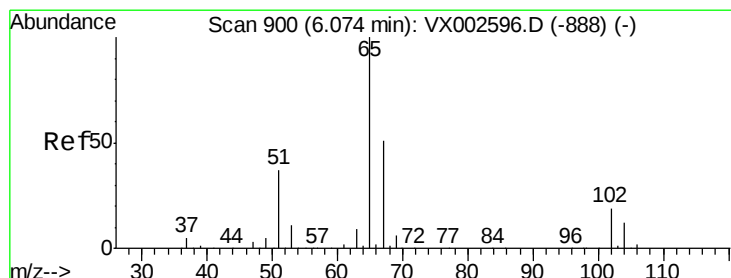
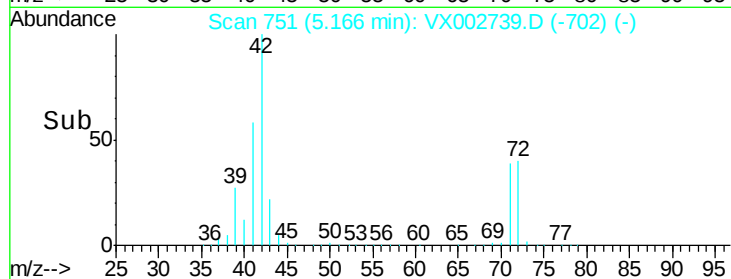
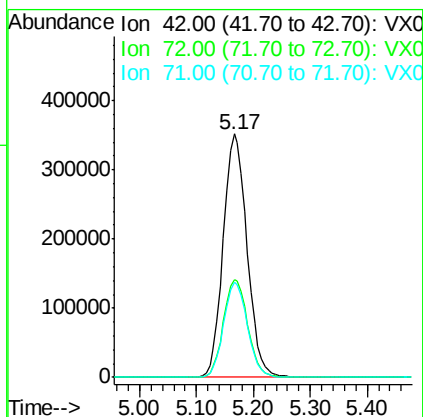
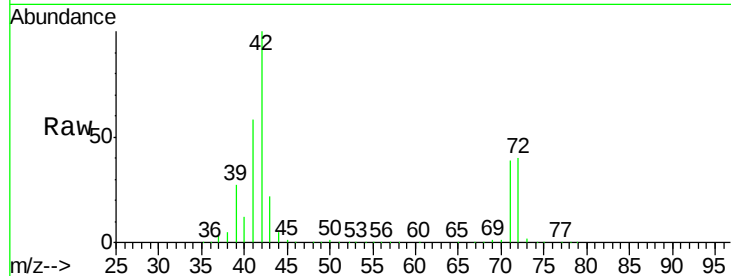




#29
Tetrahydrofuran
Concen: 776.09 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

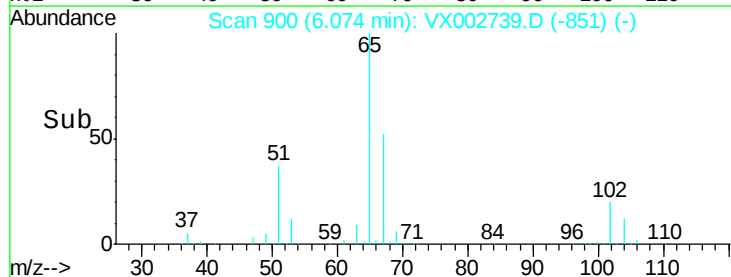
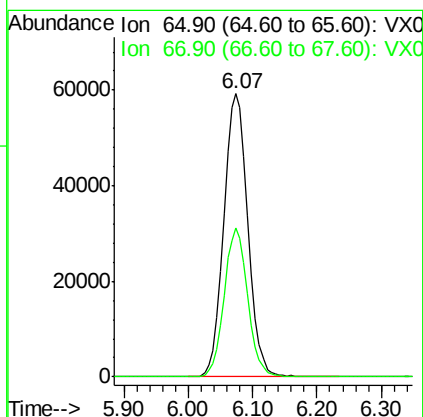
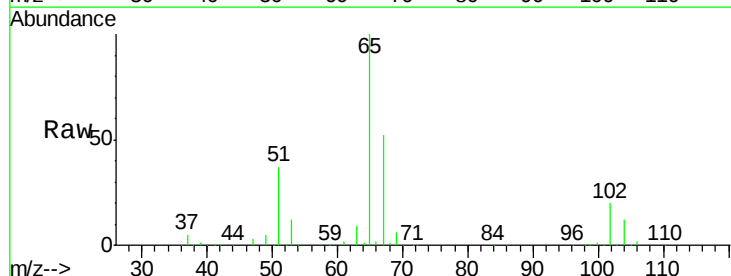
Instrument :
MSVOA_X
ClientSampled :

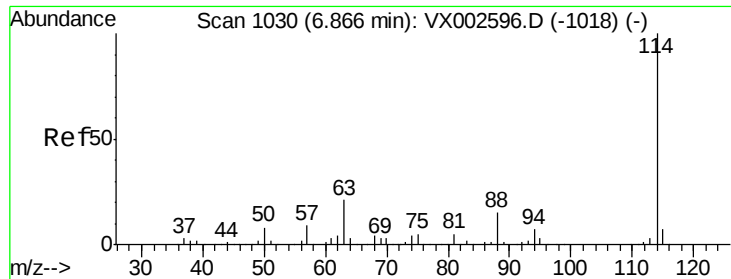
Tot Ion: 42 Resp: 1028369
Ion Ratio Lower Upper
42 100
72 40.8 32.0 48.0
71 39.0 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 44.75 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Tgt Ion: 65 Resp: 156145
Ion Ratio Lower Upper
65 100
67 51.2 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: VX002739.D

Acq: 20 Jun 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

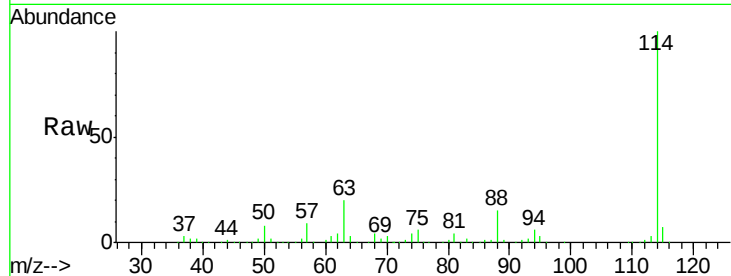
Tot Ion:114 Resp: 323415

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

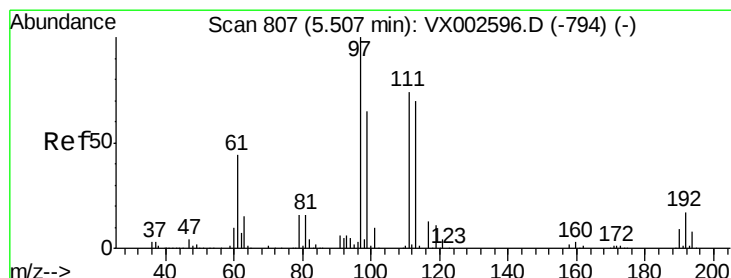
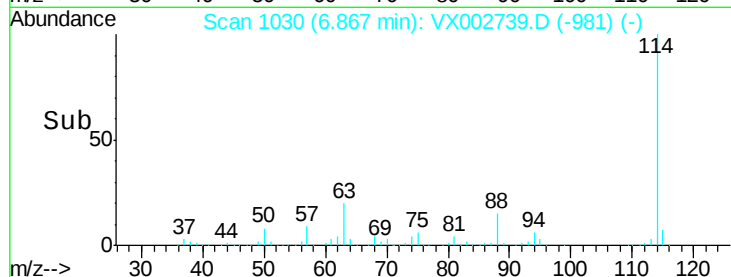
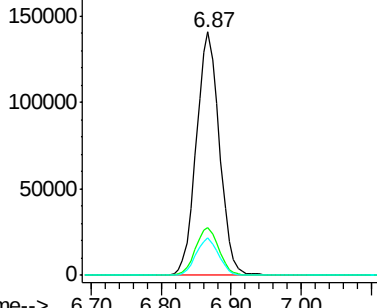
88 15.3 0.0 30.0



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: 46.86 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

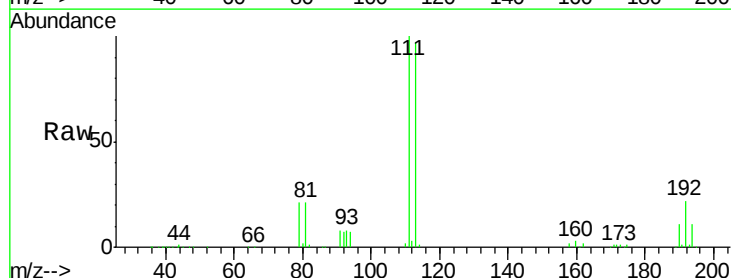
Tgt Ion:113 Resp: 120966

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

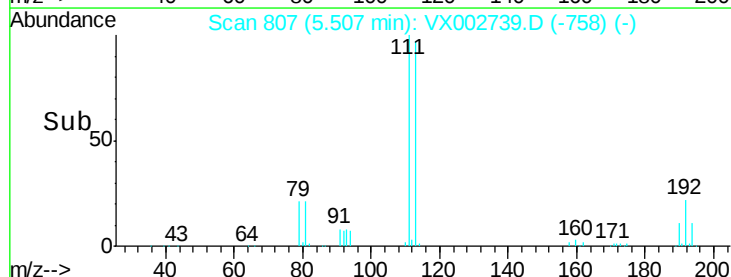
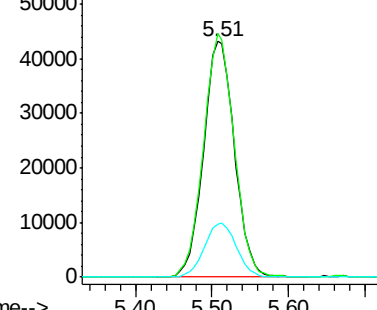
192 23.7 19.1 28.7

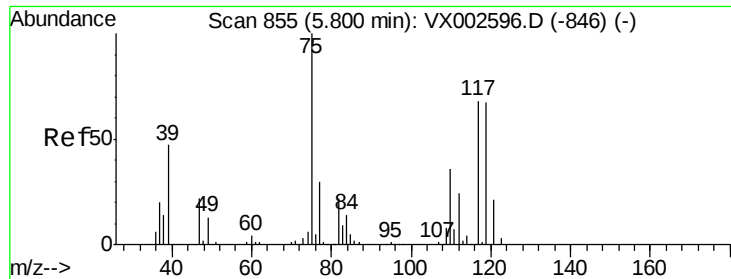


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

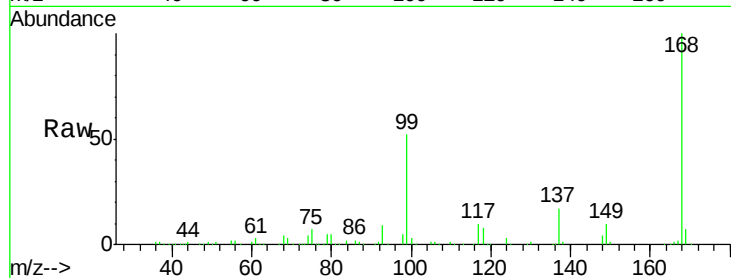




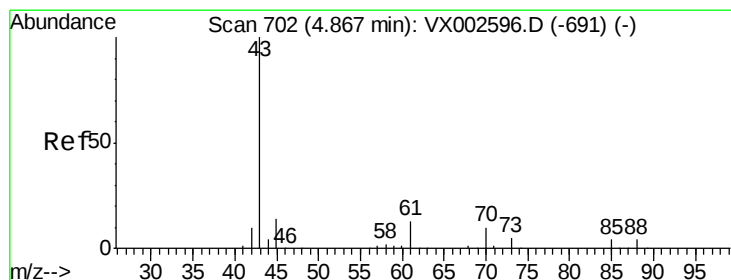
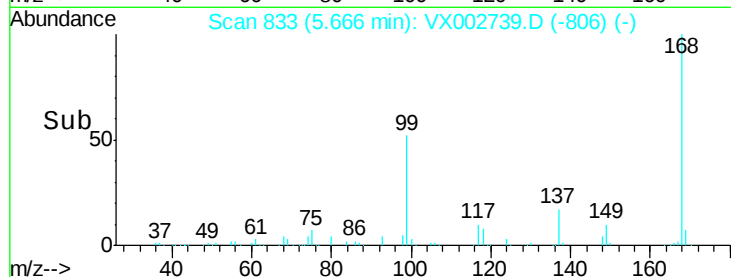
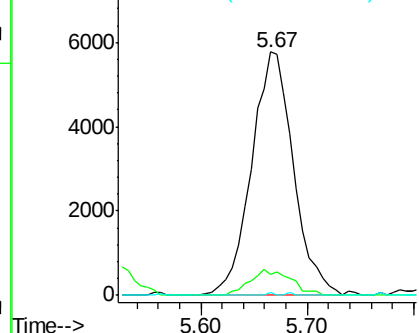
#36
 1,1-Dichloropropene
 Concen: 4.63 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002739.D
 Acq: 20 Jun 2018 03:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.4#
77	0.2	24.3	36.5#

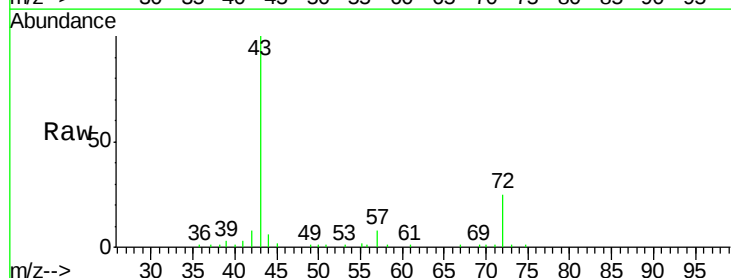


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

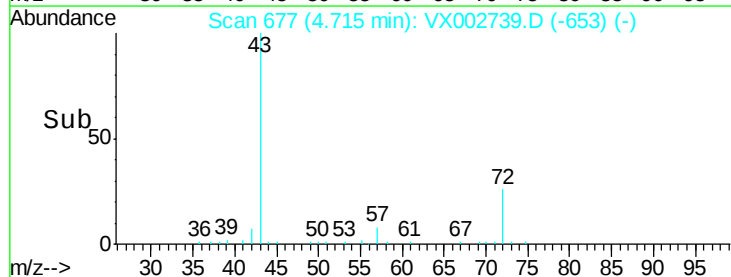
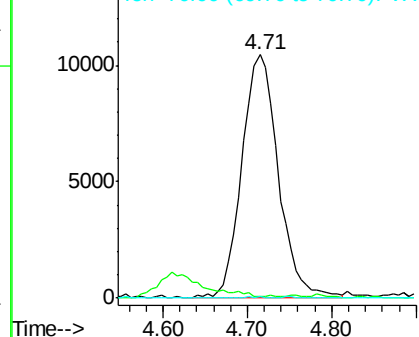


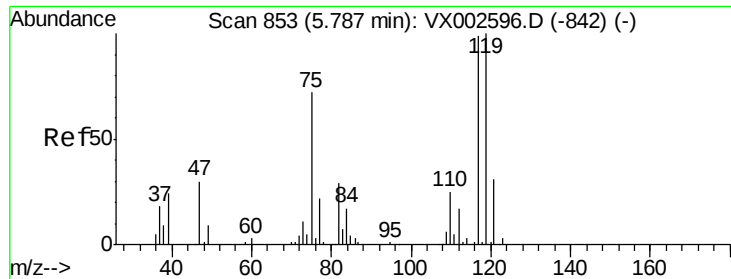
#37
 Ethyl Acetate
 Concen: 7.89 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.15 min
 Lab File: VX002739.D
 Acq: 20 Jun 2018 03:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	7.6	11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0

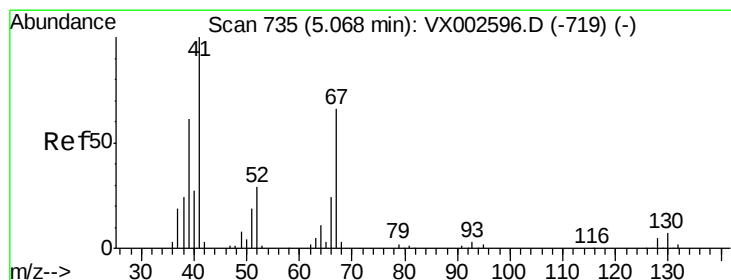
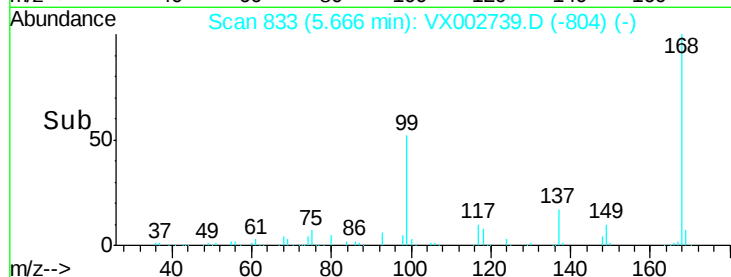
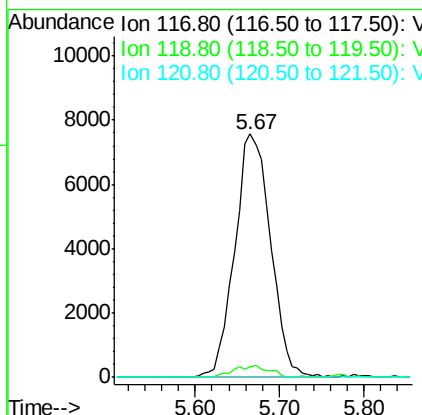
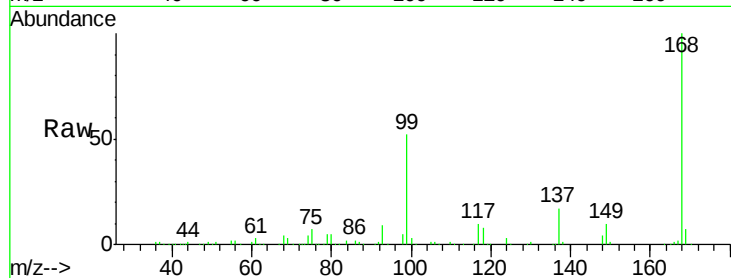




#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

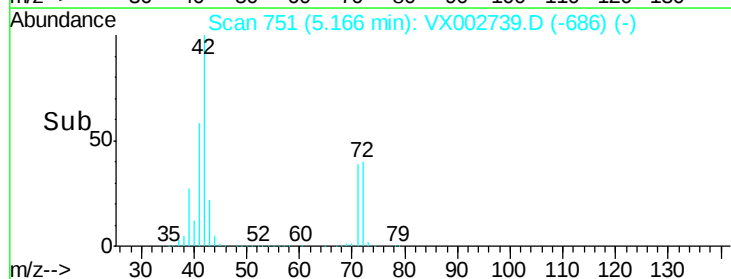
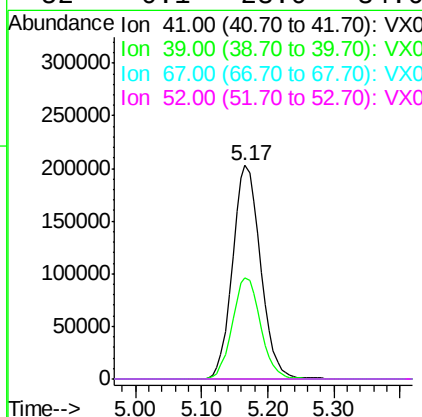
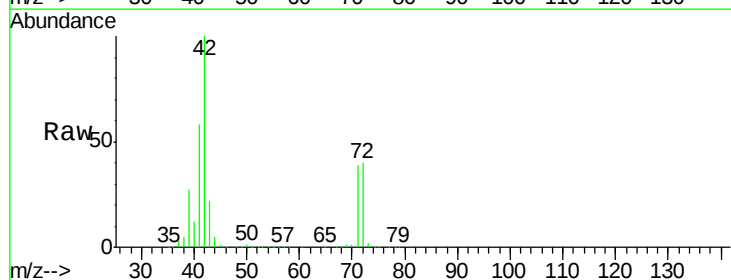
Instrument :
MSVOA_X
ClientSampleId :

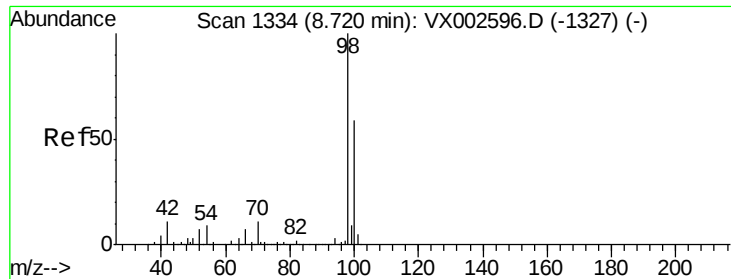
Tot Ion:117 Resp: 21763
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 271.60 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.10 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Tgt Ion: 41 Resp: 596200
Ion Ratio Lower Upper
41 100
39 47.6 45.8 68.6
67 0.0 51.3 76.9#
52 0.1 23.0 34.6#

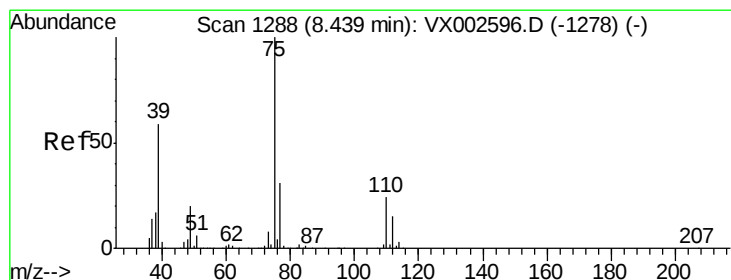
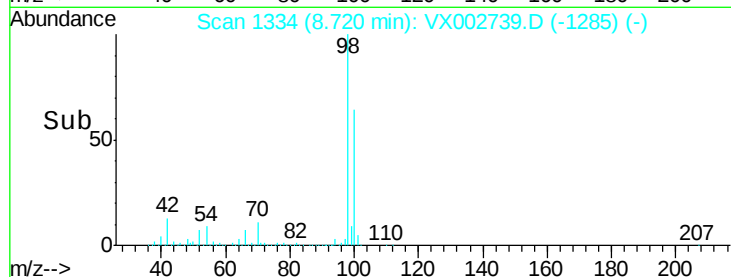
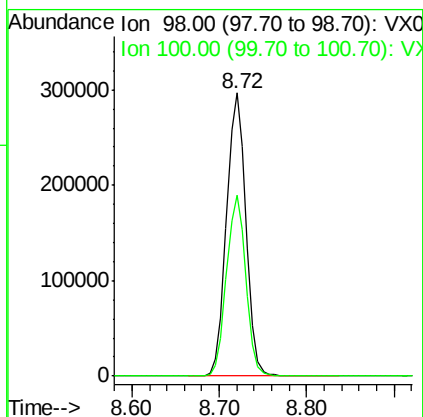
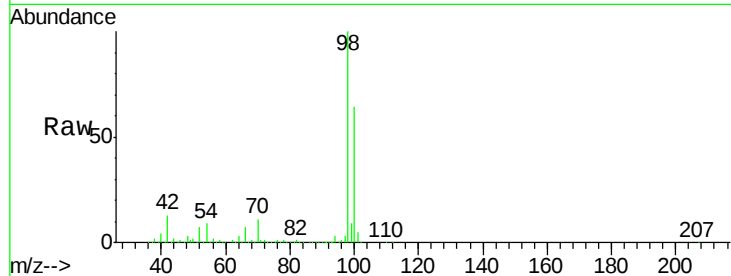




#50
Toluene-d8
Concen: 46.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

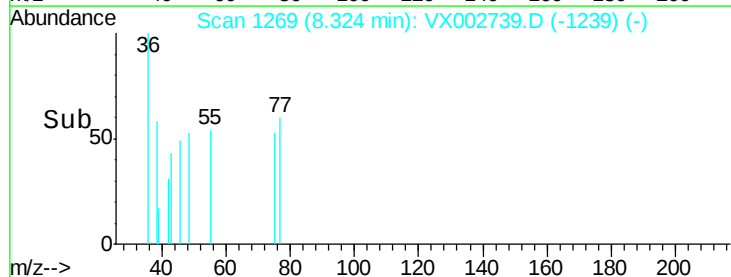
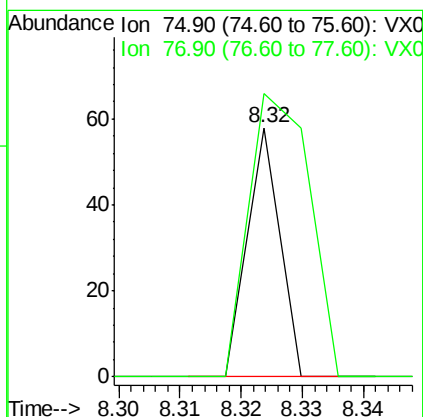
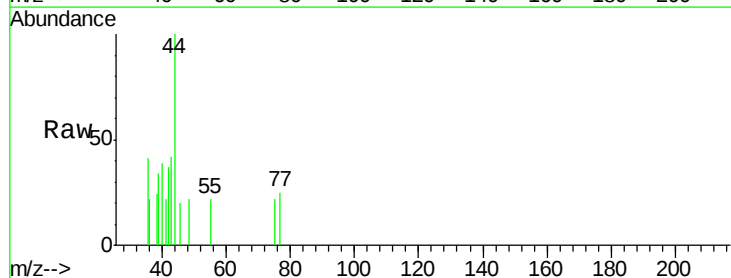
Instrument :
MSVOA_X
ClientSampleId :

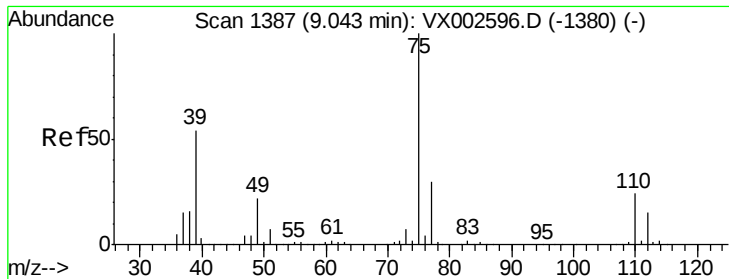
Tot Ion: 98 Resp: 456815
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. -0.12 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 113.8 25.4 38.2#



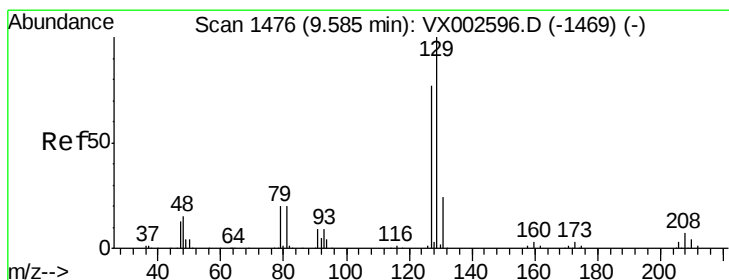
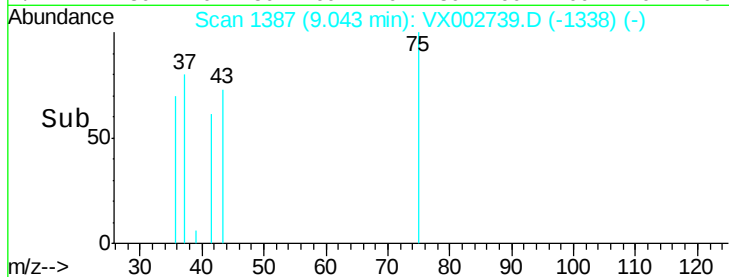
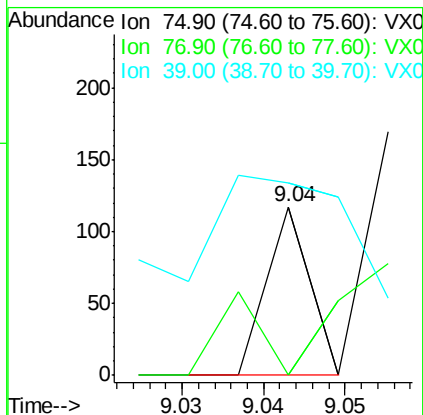
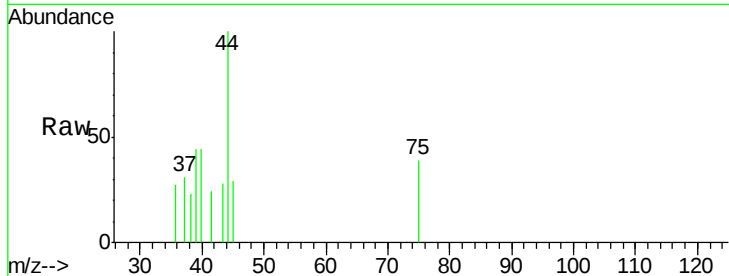


#54

cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Instrument :
MSVOA_X
ClientSampleId :

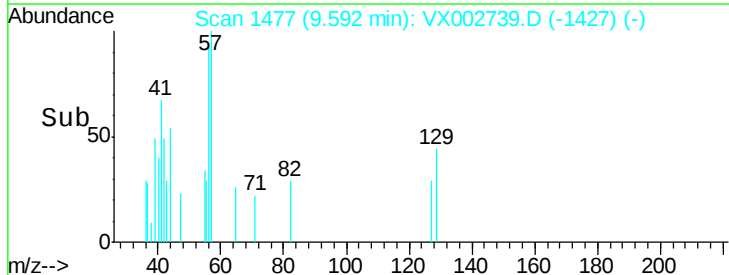
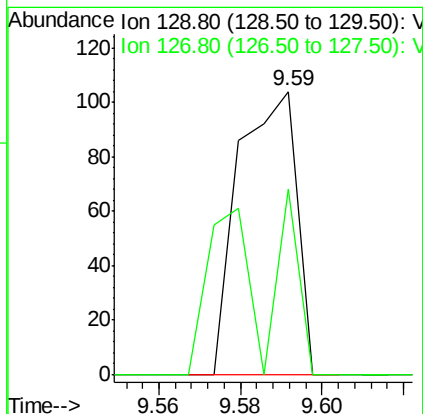
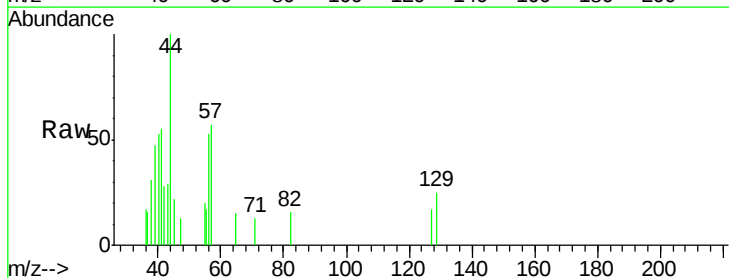
Tot Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 59.0 42.4 63.6

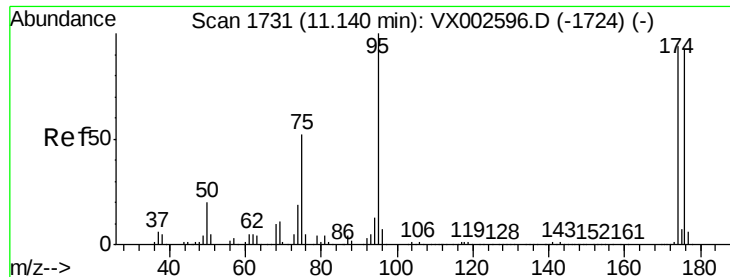


#60

Dibromochloromethane
Concen: 3.79 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Tgt Ion: 129 Resp: 103
Ion Ratio Lower Upper
129 100
127 65.0 38.5 115.3

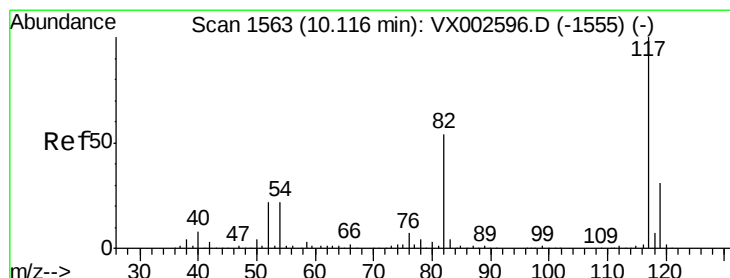
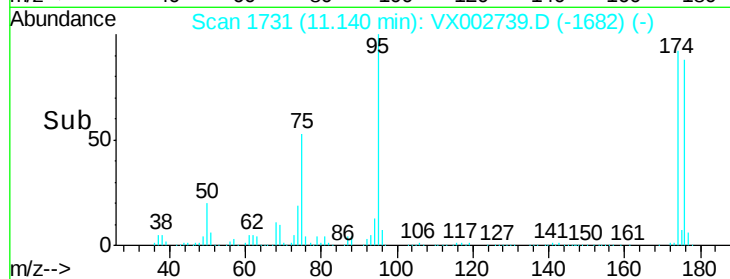
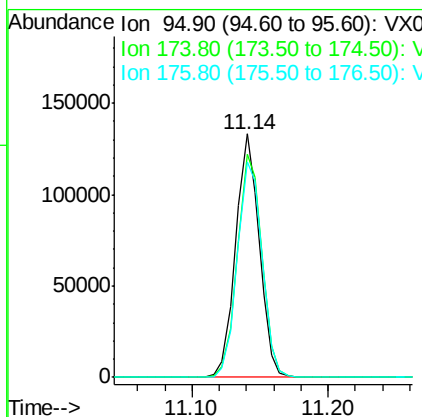
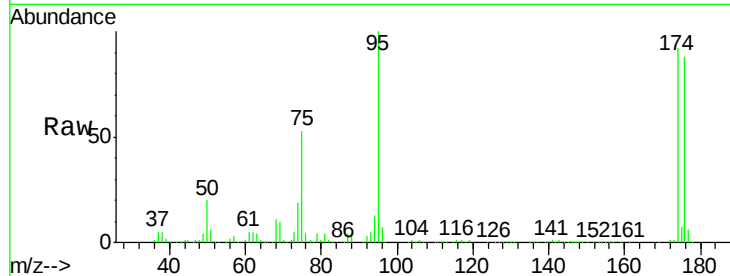




#62
4-Bromofluorobenzene
Concen: 43.23 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

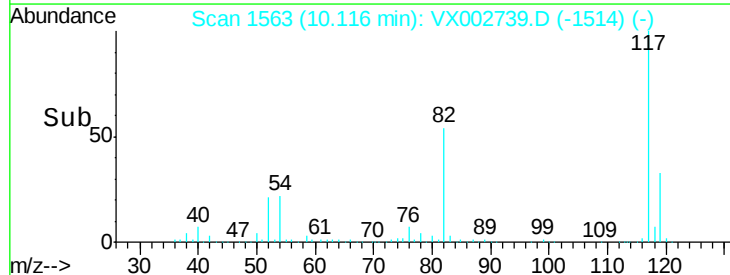
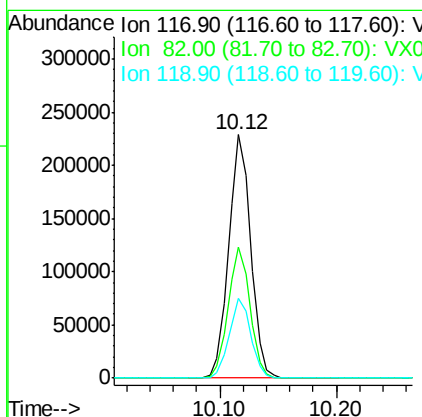
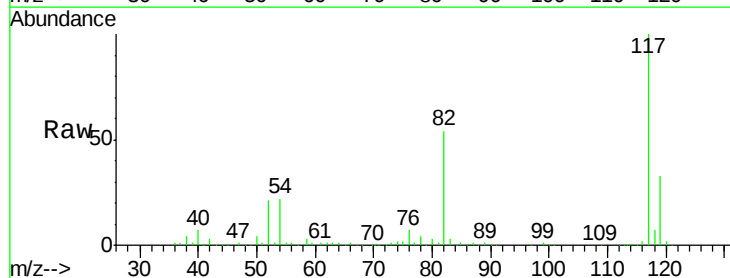
Instrument :
MSVOA_X
ClientSampleId :

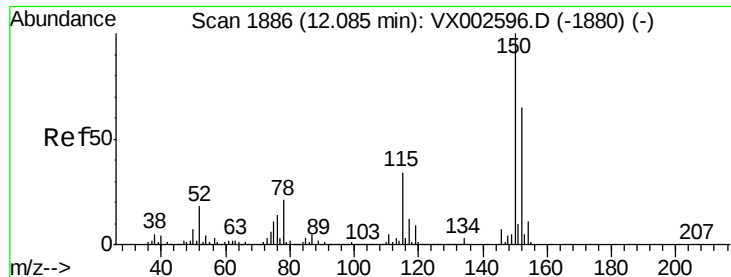
Tot Ion: 95 Resp: 160544
Ion Ratio Lower Upper
95 100
174 95.4 0.0 187.4
176 93.2 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002739.D
Acq: 20 Jun 2018 03:48

Tgt Ion: 117 Resp: 300723
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

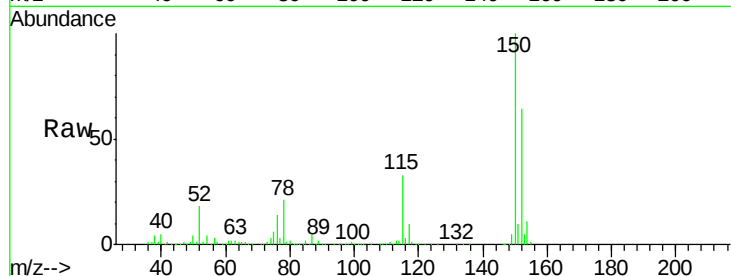
Tot Ion:152 Resp: 169277

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

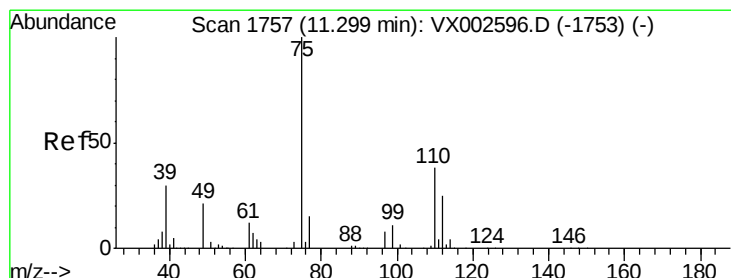
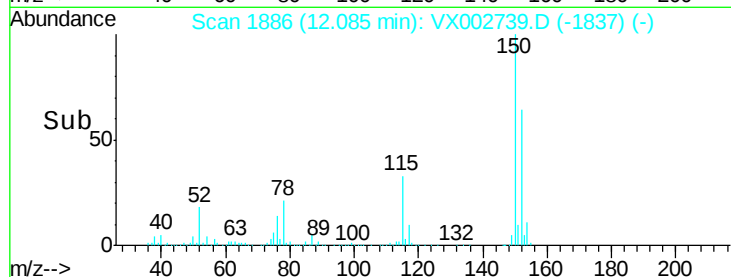
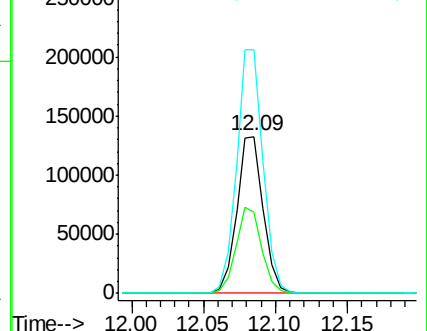
150 156.4 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 26.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002739.D

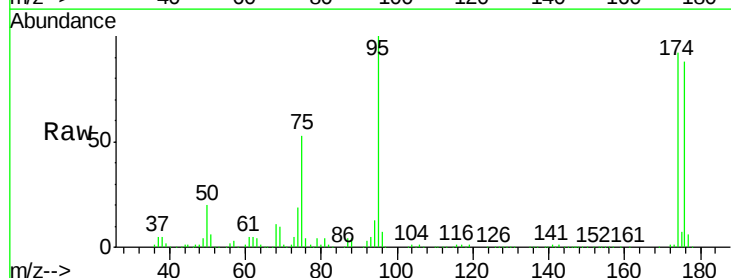
Acq: 20 Jun 2018 03:48

Tgt Ion: 75 Resp: 85546

Ion Ratio Lower Upper

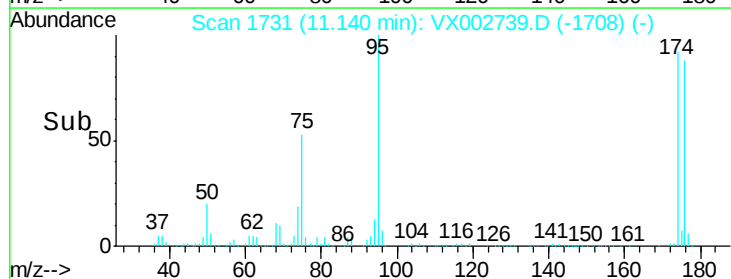
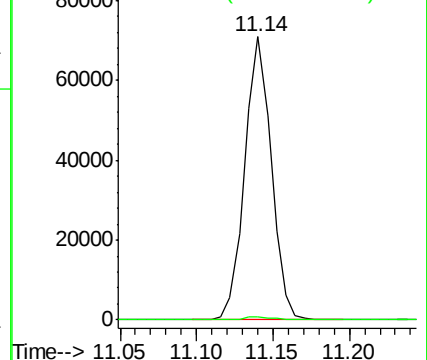
75 100

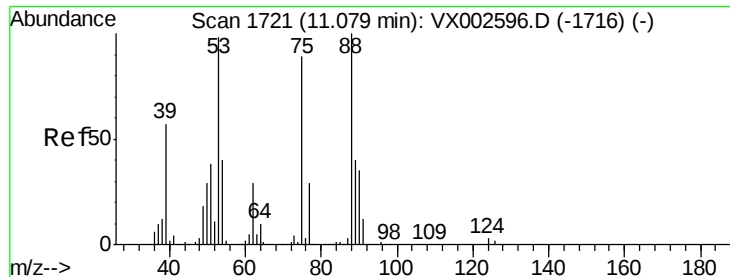
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 82.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002739.D

Acq: 20 Jun 2018 03:48

Instrument :

MSVOA_X

ClientSampleId :

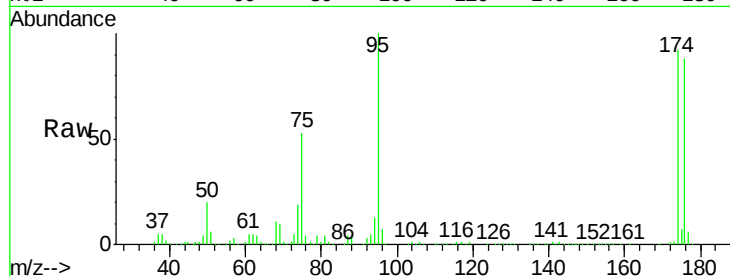
Tot Ion: 75 Resp: 85546

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

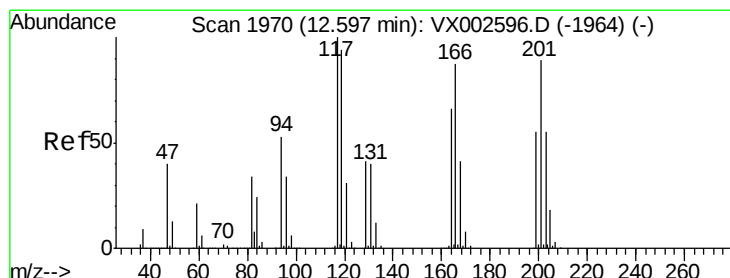
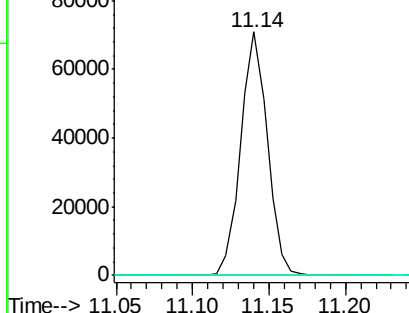
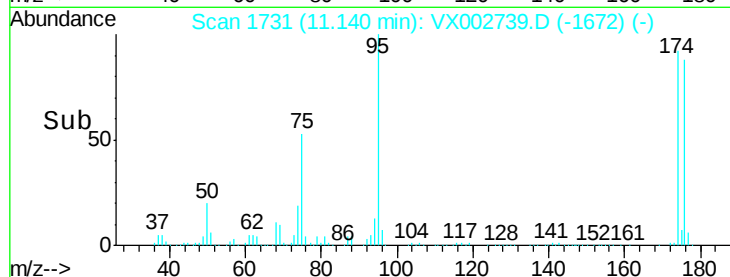
89 0.0 38.2 57.2#



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



#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. 0.23 min

Lab File: VX002739.D

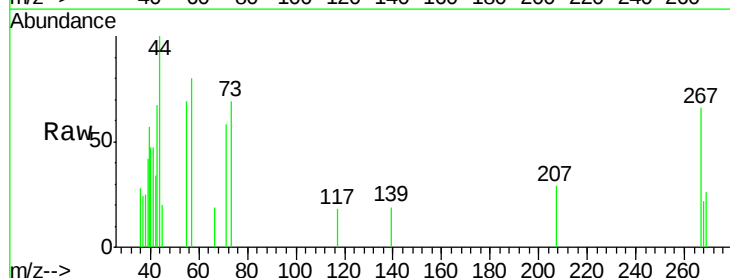
Acq: 20 Jun 2018 03:48

Tgt Ion: 117 Resp: 19

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

