

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002698.D
 Acq On : 19 Jun 2018 00:34
 Operator : JC/MD
 Sample : J3563-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:11:40 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	212735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134740	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	140518	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	
35) Dibromofluoromethane	5.51	113	110645	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
50) Toluene-d8	8.72	98	421143	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
62) 4-Bromofluorobenzene	11.14	95	136541	39.54	ug/l	0.00
Spiked Amount			Recovery	=	79.08%	

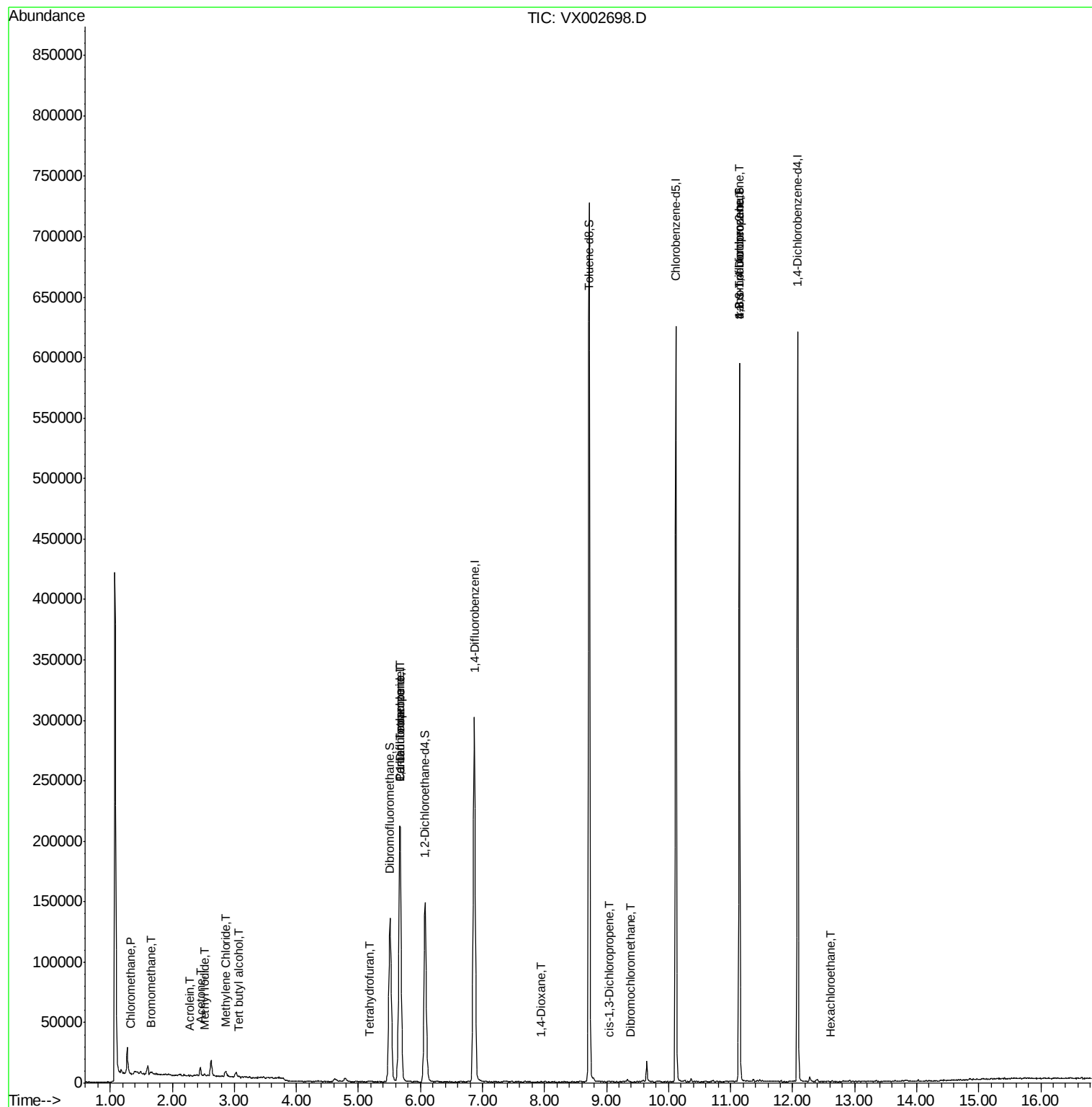
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	748	0.28	ug/l #	64
5) Bromomethane	1.65	94	1634	0.97	ug/l	97
10) Methyl Iodide	2.52	142	1802	5.65	ug/l #	95
11) Tert butyl alcohol	3.07	59	564	0.84	ug/l #	55
13) Acrolein	2.29	56	114	7.22	ug/l #	14
16) Acetone	2.45	43	7304	5.12	ug/l	98
20) Methylene Chloride	2.86	84	2039	0.70	ug/l	84
29) Tetrahydrofuran	5.17	42	512	0.42	ug/l #	72
36) 1,1-Dichloropropene	5.67	75	14438	4.52	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19900	6.26	ug/l #	17
49) 1,4-Dioxane	7.95	88	21	0.36	ug/l #	1
54) cis-1,3-Dichloropropene	9.05	75	68	3.23	ug/l #	4
60) Dibromochloromethane	9.39	129	22	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	72592	28.55	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	72592	87.90	ug/l #	6
90) Hexachloroethane	12.60	117	23	2.64	ug/l #	1

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

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ClientSampled :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
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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: VX002698.D

Acq: 19 Jun 2018 00:34

Instrument :

MSVOA_X

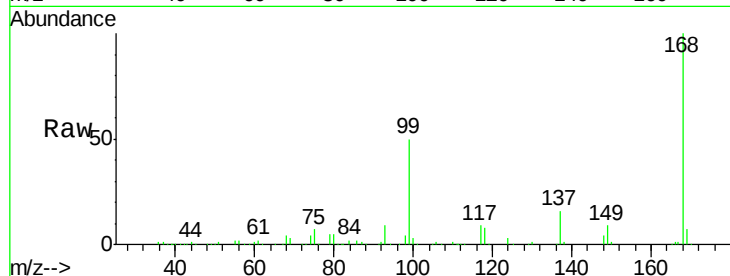
ClientSampled :

Tot Ion:168 Resp: 212735

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

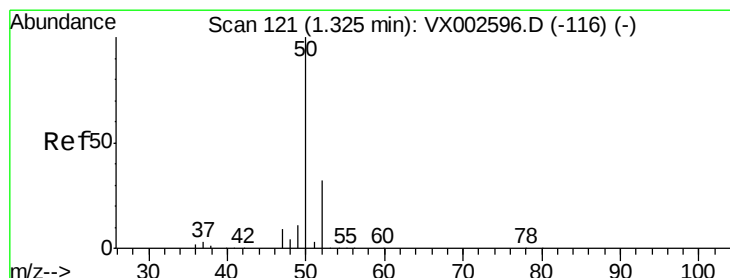
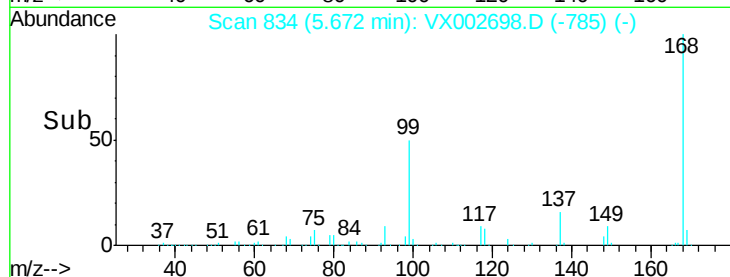
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002698.D

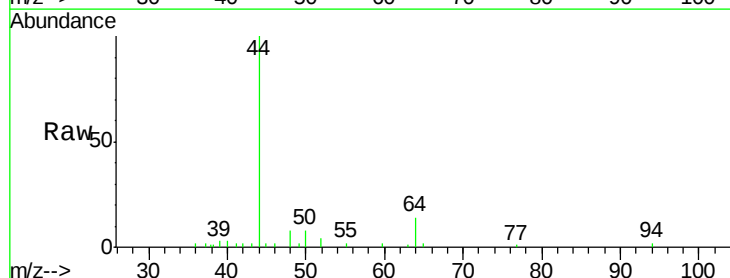
Acq: 19 Jun 2018 00:34

Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

50 100

52 52.4 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

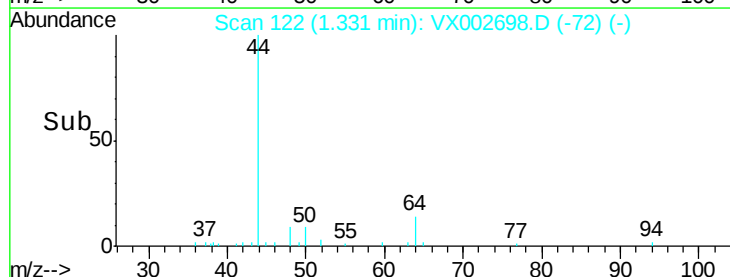
300

200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.97 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

Instrument :

MSVOA_X

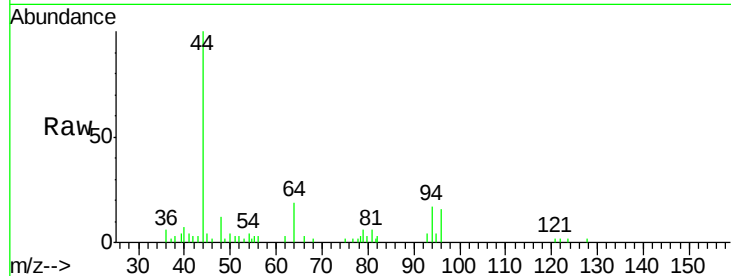
ClientSampleId :

Tot Ion: 94 Resp: 1634

Ion Ratio Lower Upper

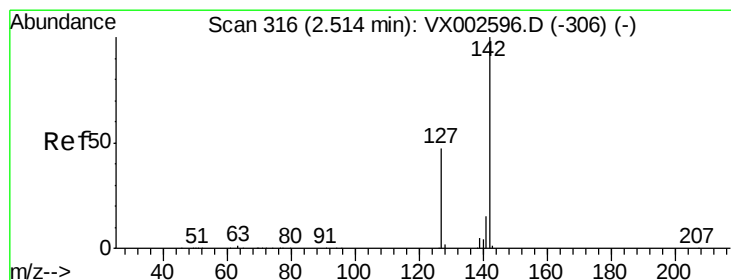
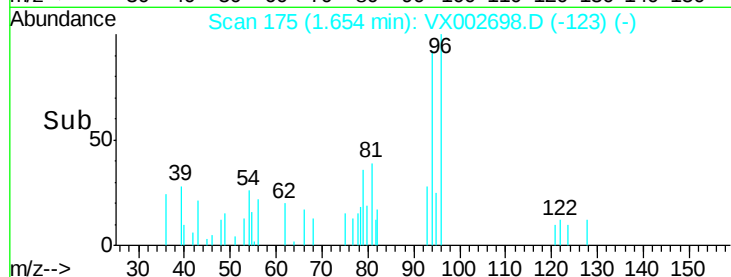
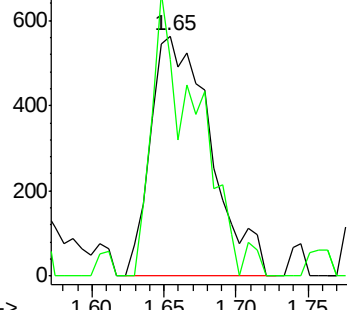
94 100

96 90.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.65 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

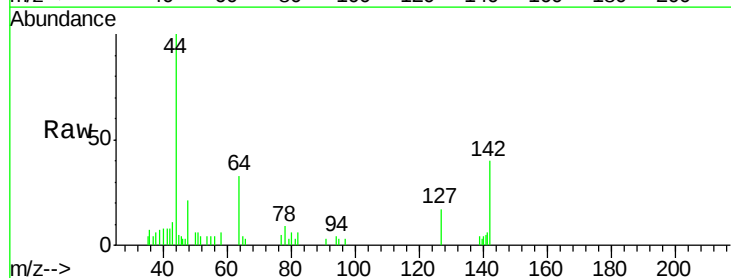
Tgt Ion: 142 Resp: 1802

Ion Ratio Lower Upper

142 100

127 46.8 36.6 55.0

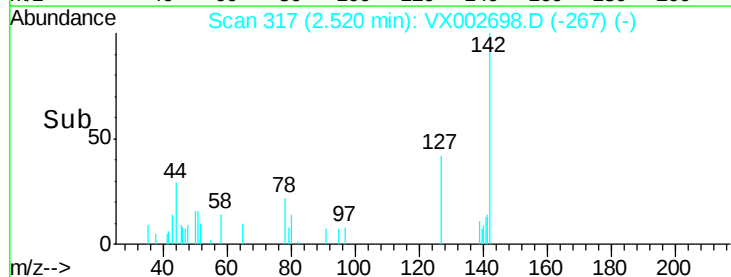
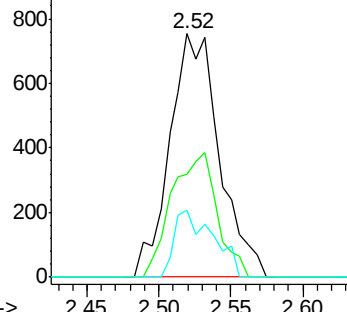
141 21.4 11.3 16.9#

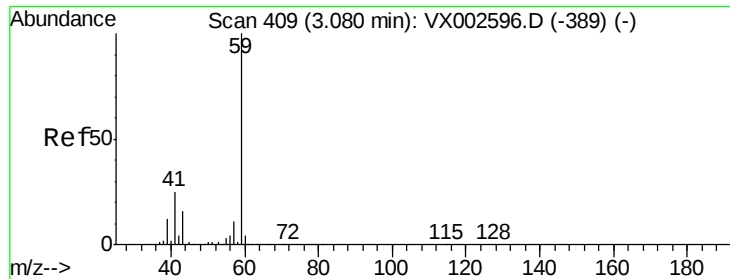


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

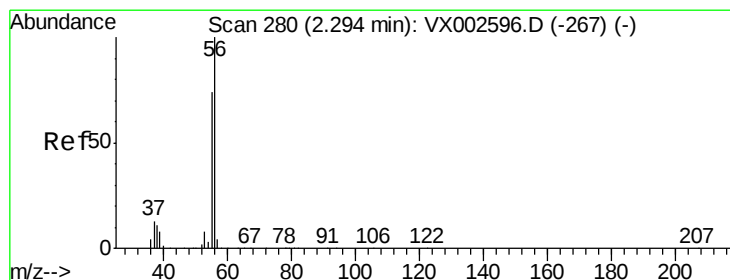
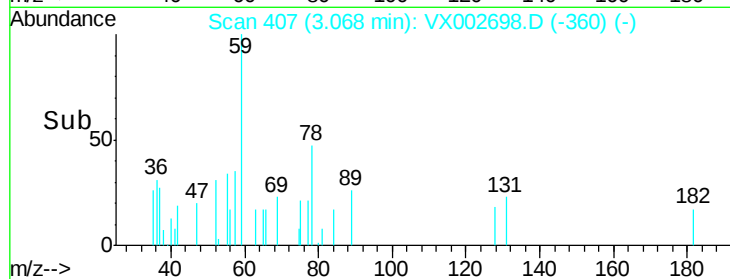
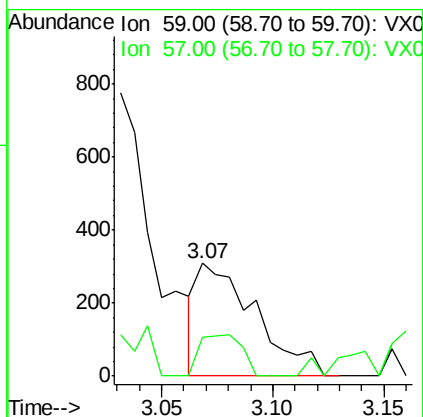
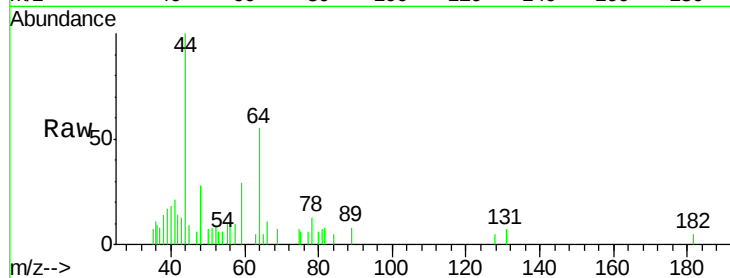




#11
Tert butyl alcohol
Concen: 0.84 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

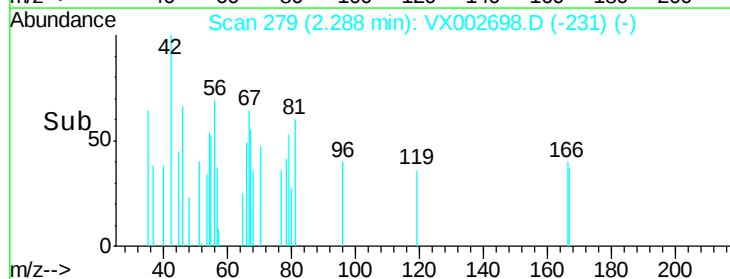
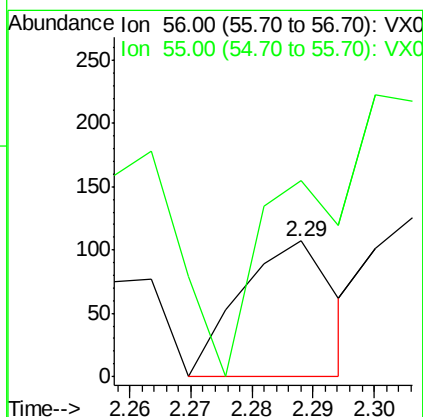
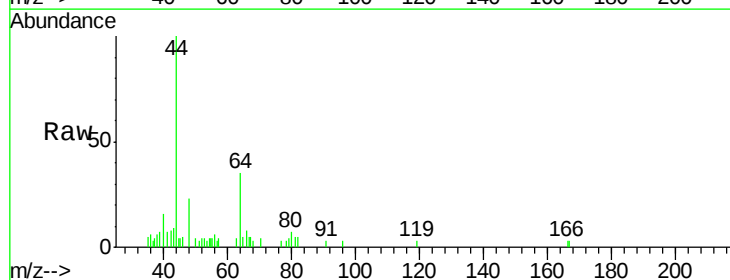
Instrument :
MSVOA_X
ClientSampled :

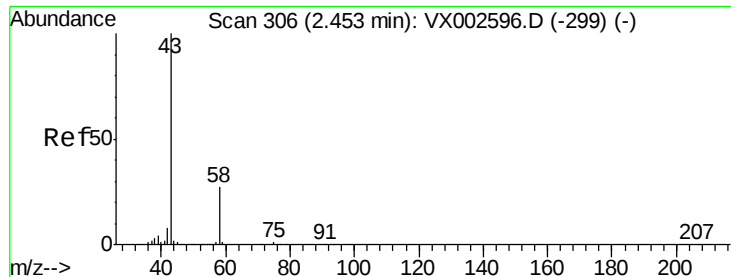
Tot Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 26.8 8.2 12.2#



#13
Acrolein
Concen: 7.22 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 5.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

Instrument :

MSVOA_X

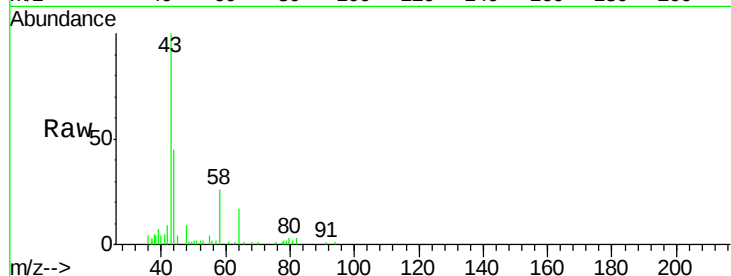
ClientSampled :

Tot Ion: 43 Resp: 7304

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

3000

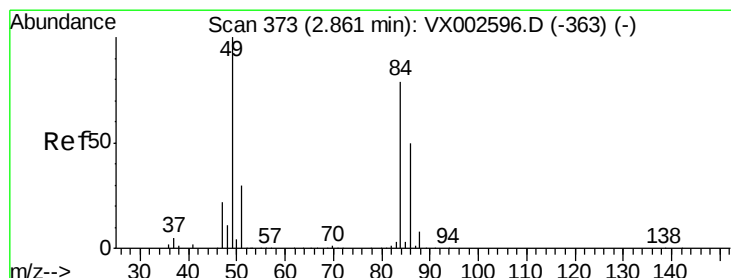
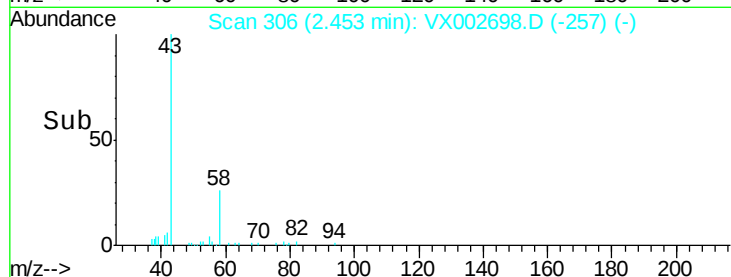
2000

1000

0

Time-->

2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.70 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

Tgt Ion: 84 Resp: 2039

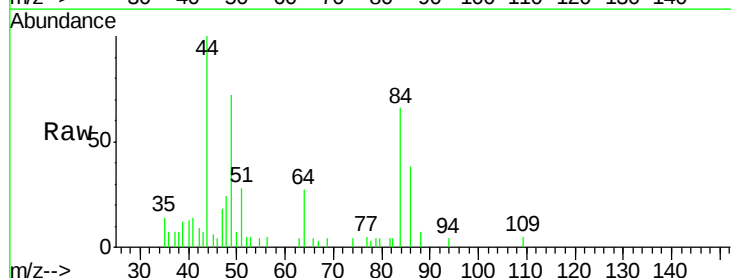
Ion Ratio Lower Upper

84 100

49 110.4 107.8 161.6

51 34.9 32.8 49.2

86 57.7 52.5 78.7



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

2000

1500

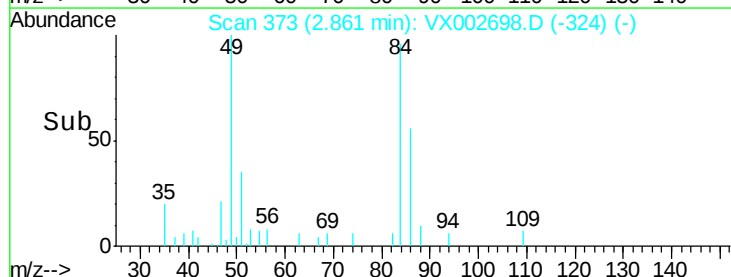
1000

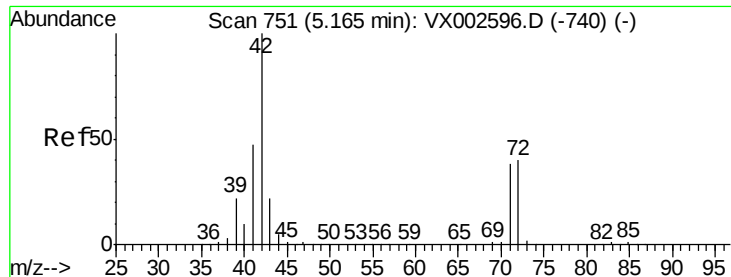
500

0

Time-->

2.80 2.85 2.90

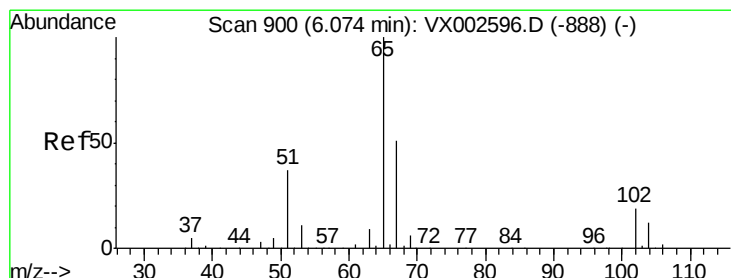
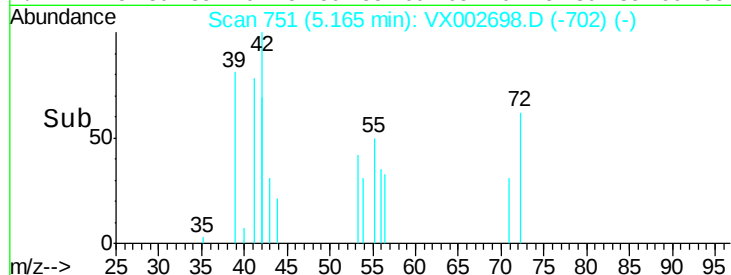
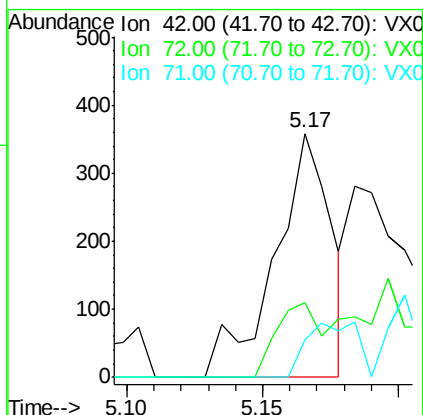
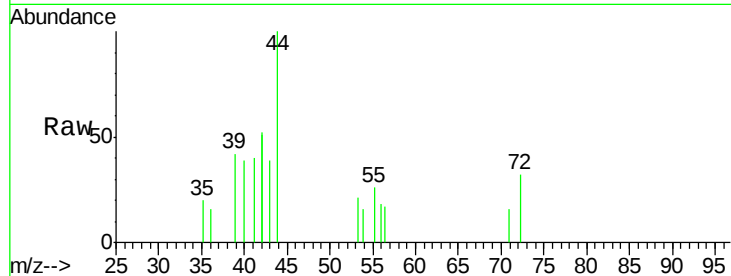




#29
Tetrahydrofuran
Concen: 0.42 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

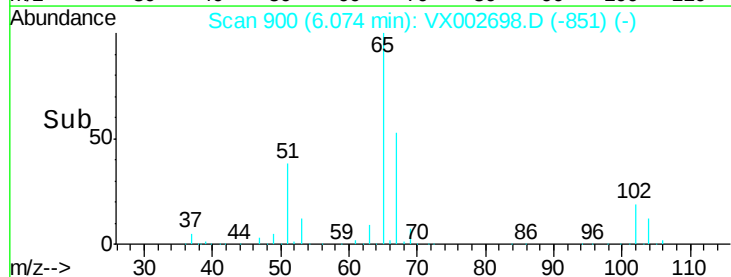
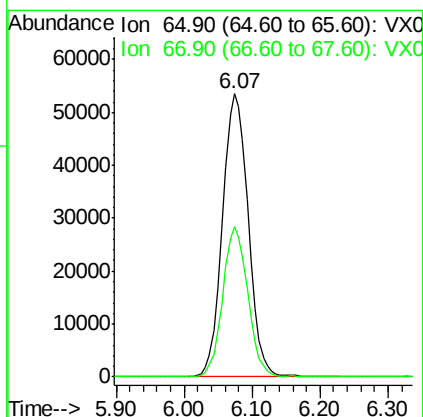
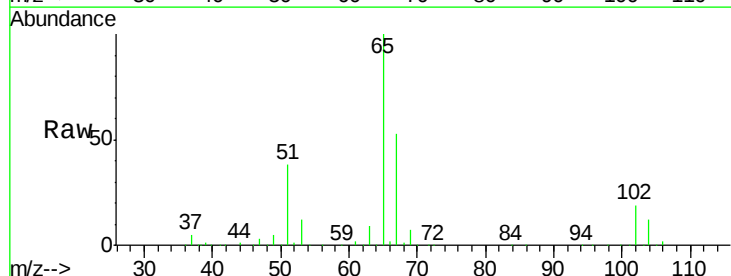
Instrument :
MSVOA_X
ClientSampled :

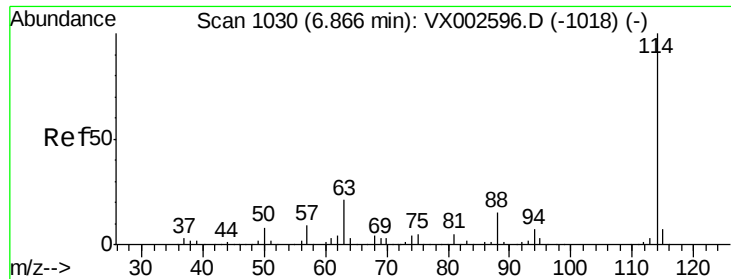
Tot Ion: 42 Resp: 512
Ion Ratio Lower Upper
42 100
72 23.2 32.0 48.0#
71 20.5 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 43.47 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

Tgt Ion: 65 Resp: 140518
Ion Ratio Lower Upper
65 100
67 51.5 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: VX002698.D

Acq: 19 Jun 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

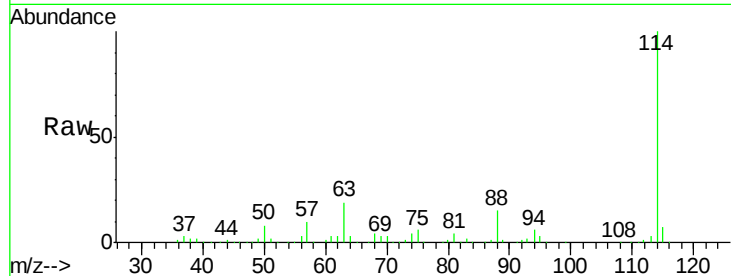
Tot Ion:114 Resp: 300738

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

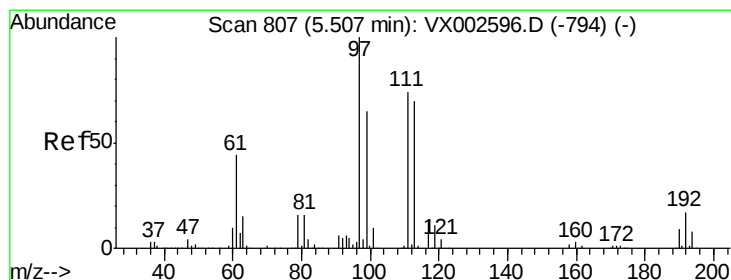
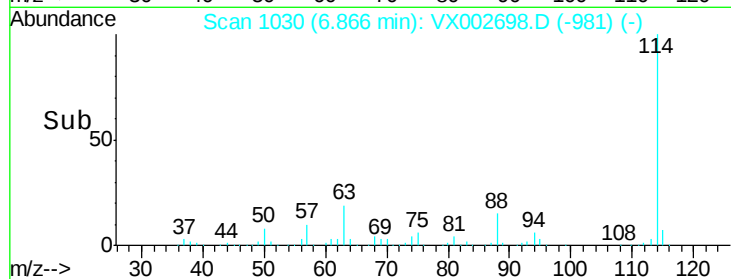
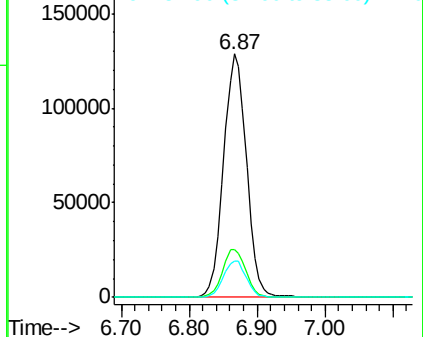
88 15.0 0.0 30.0



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: 46.10 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

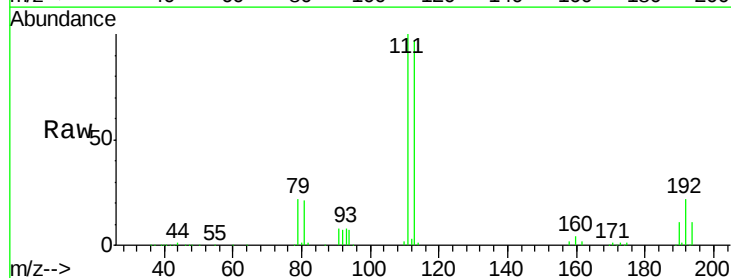
Tgt Ion:113 Resp: 110645

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

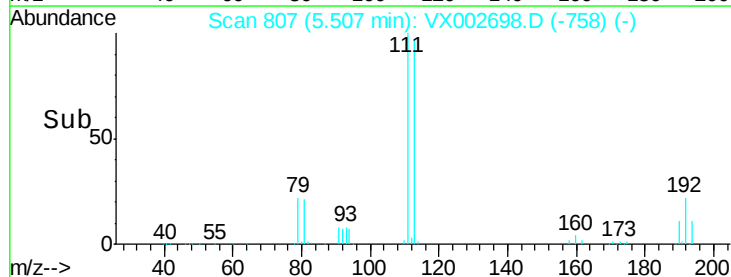
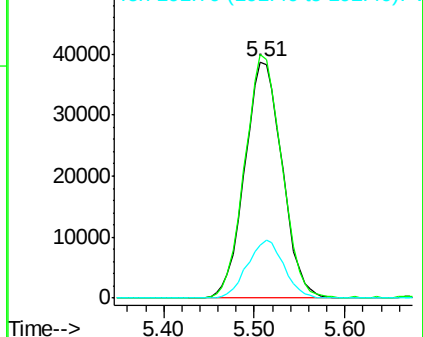
192 24.2 19.1 28.7

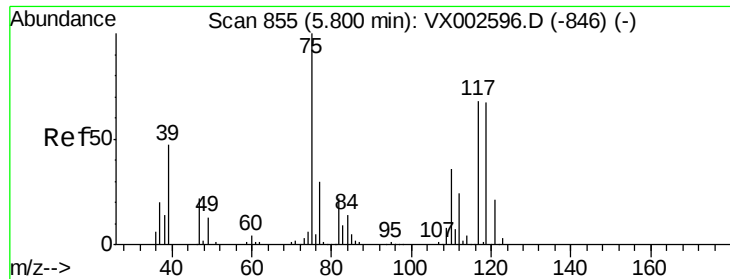


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

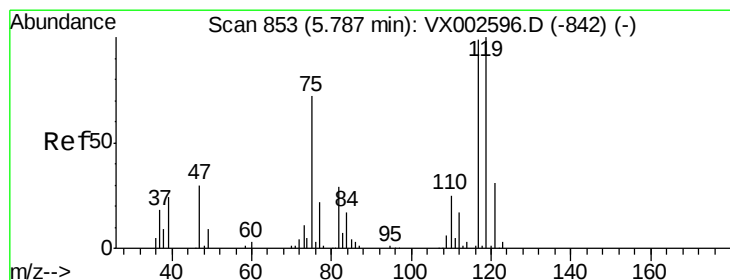
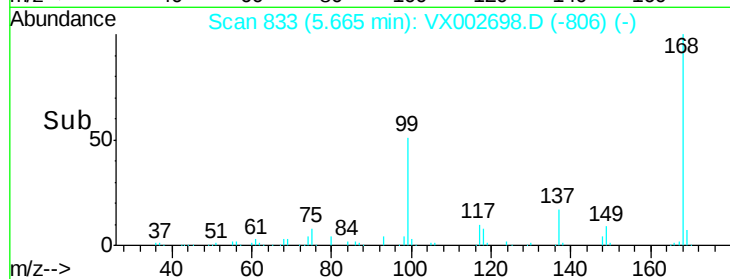
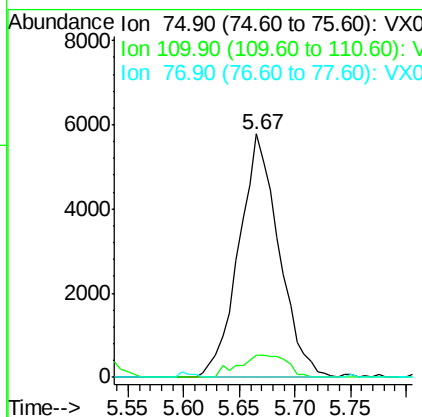
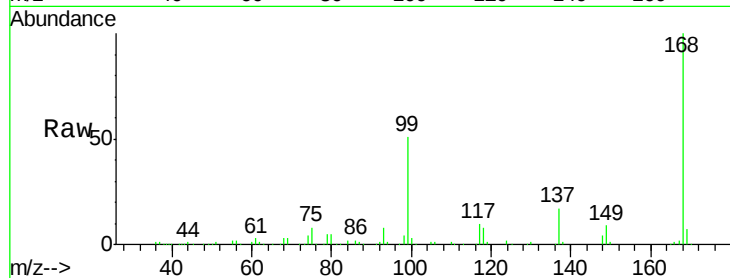




#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002698.D
 Acq: 19 Jun 2018 00:34

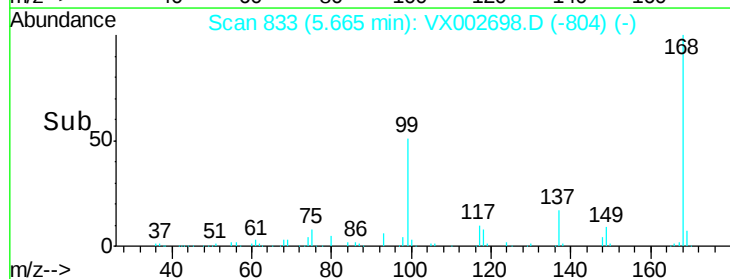
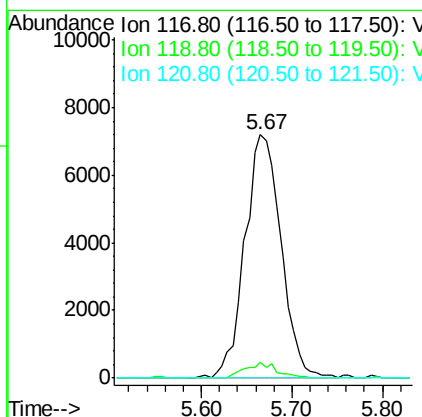
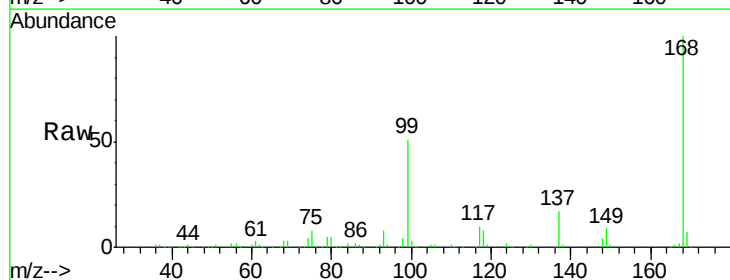
Instrument :
 MSVOA_X
 ClientSampled :

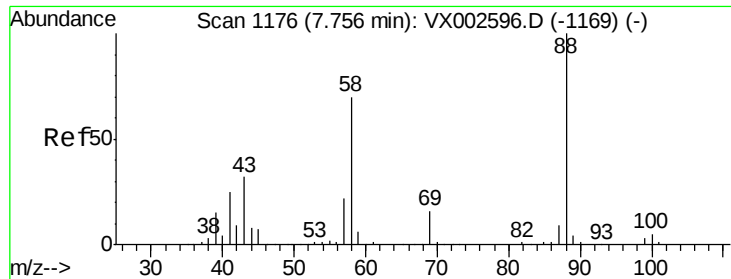
Tot Ion	75	Resp	14438
Ion Ratio	Lower	Upper	
75	100		
110	11.1	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.26 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002698.D
 Acq: 19 Jun 2018 00:34

Tgt Ion	117	Resp	19900
Ion Ratio	Lower	Upper	
117	100		
119	6.4	77.4	116.0#
121	0.0	24.4	36.6#

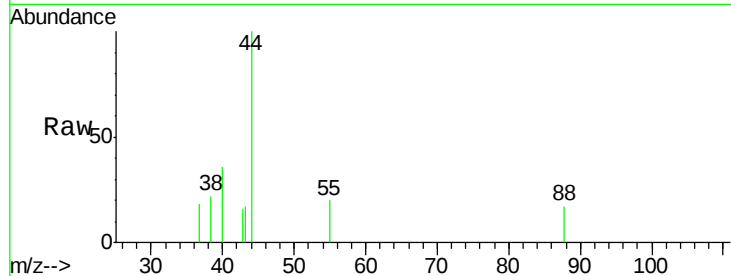




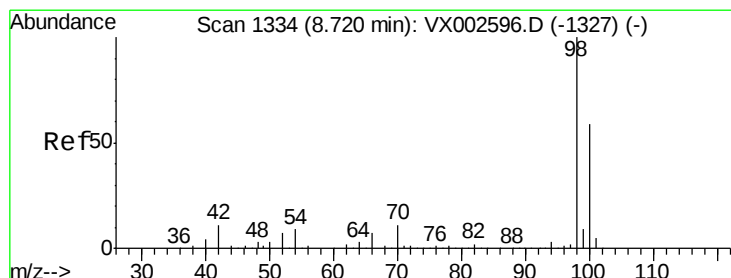
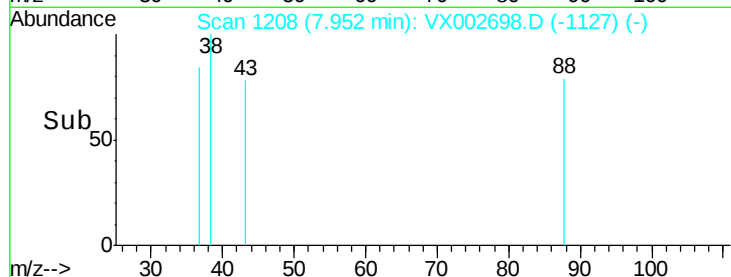
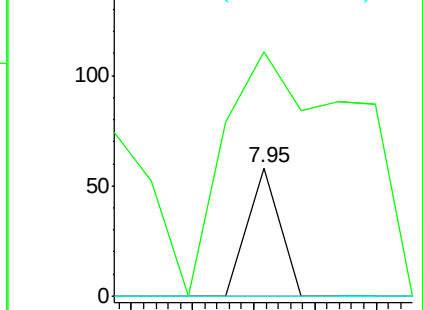
#49
 1,4-Dioxane
 Concen: 0.36 ug/l
 RT: 7.95 min Scan# 1208
 Delta R.T. 0.20 min
 Lab File: VX002698.D
 Acq: 19 Jun 2018 00:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 781.0 29.8 44.6#
 58 0.0 57.1 85.7#

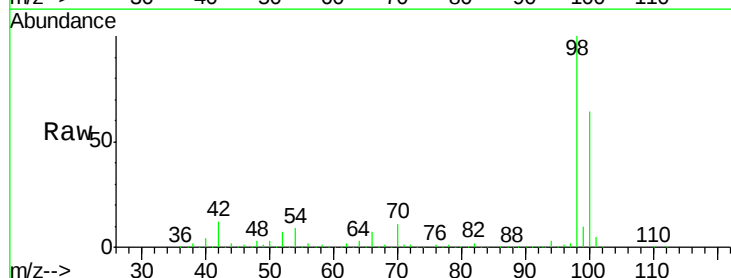


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

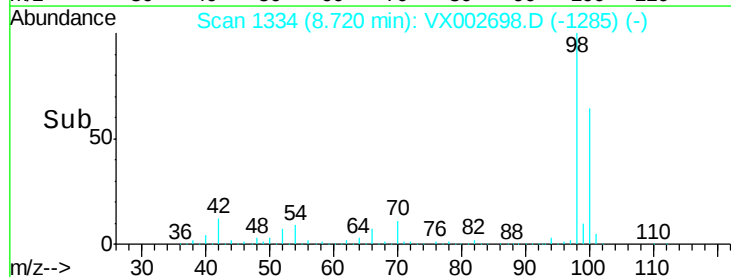
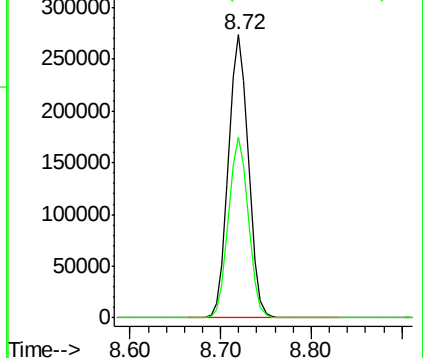


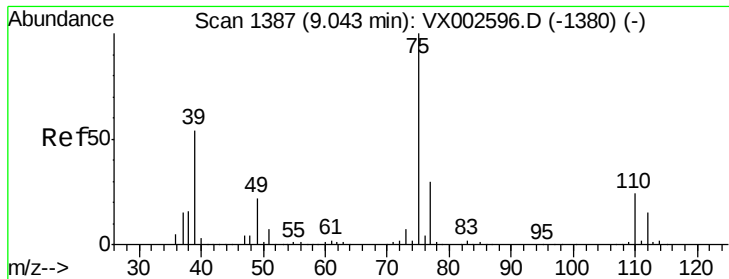
#50
 Toluene-d8
 Concen: 46.21 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002698.D
 Acq: 19 Jun 2018 00:34

Tgt Ion: 98 Resp: 421143
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0



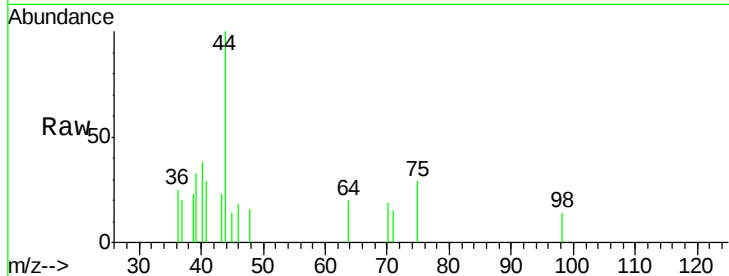


#54

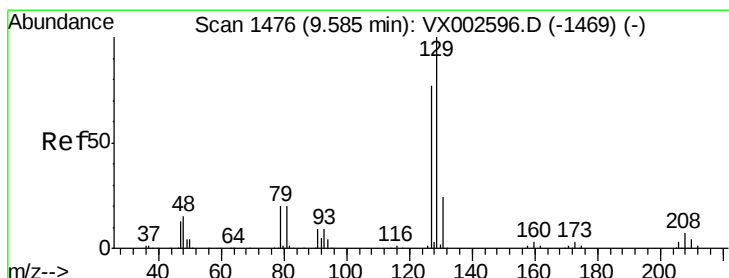
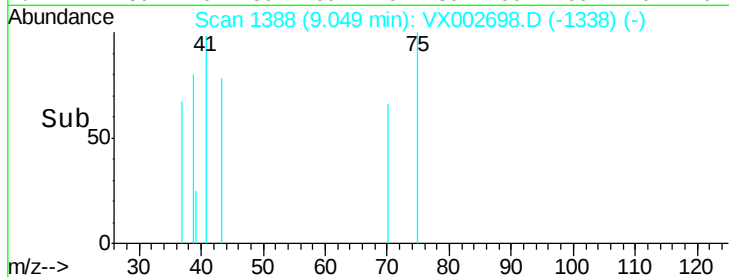
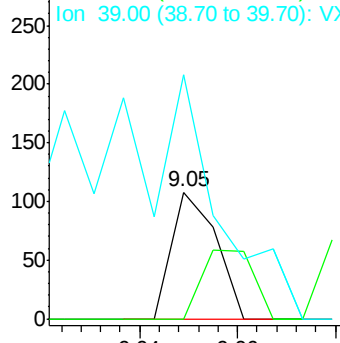
cis-1,3-Dichloropropene
Concen: 3.23 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 137.0 42.4 63.6#



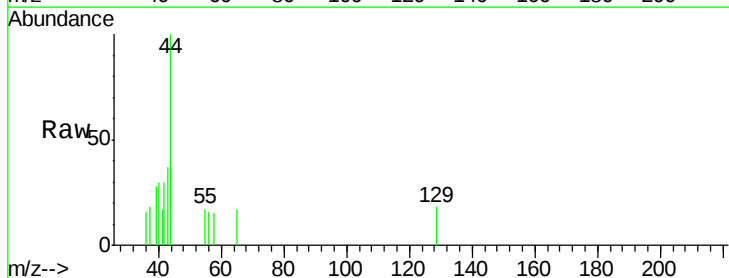
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



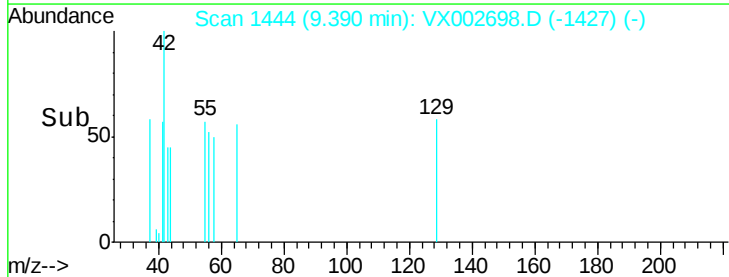
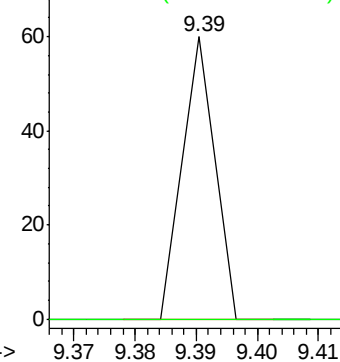
#60

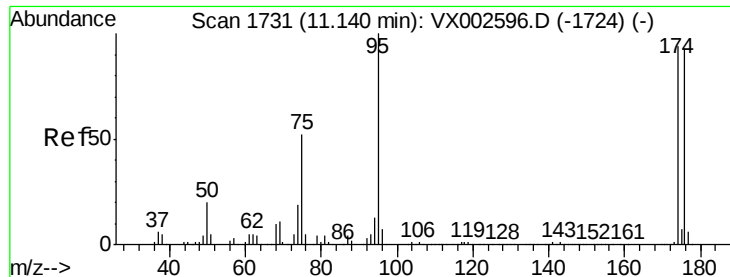
Dibromochloromethane
Concen: 3.77 ug/l
RT: 9.39 min Scan# 1444
Delta R.T. -0.19 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

Tgt Ion: 129 Resp: 22
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

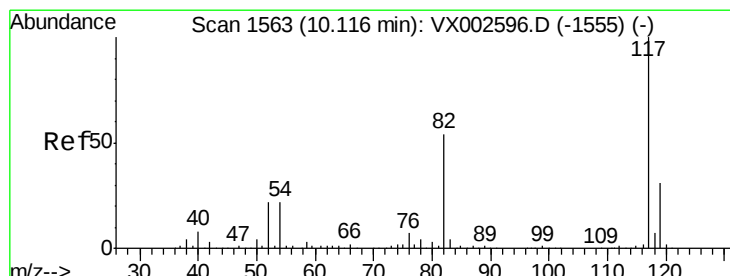
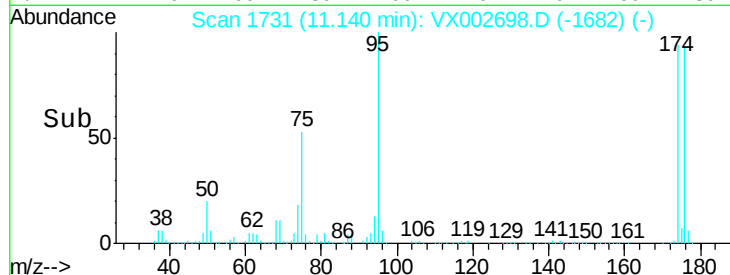
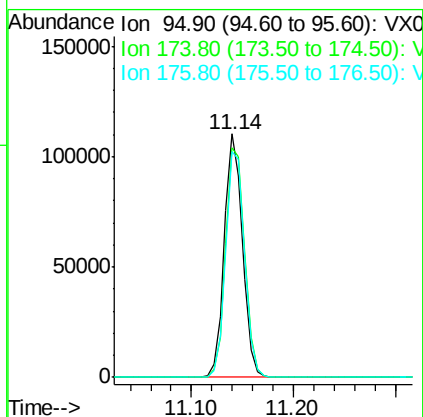
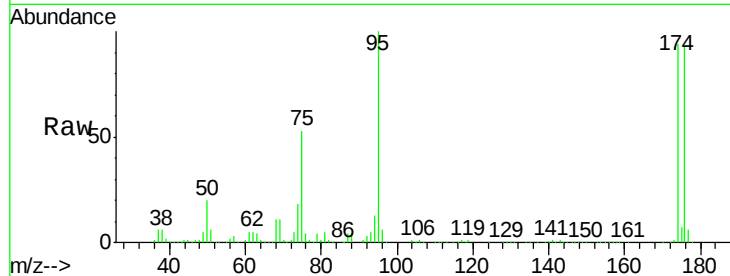




#62
4-Bromofluorobenzene
Concen: 39.54 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

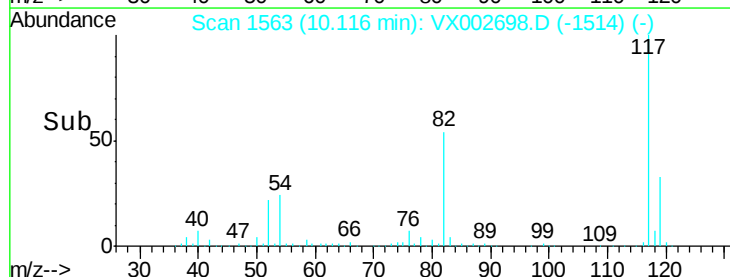
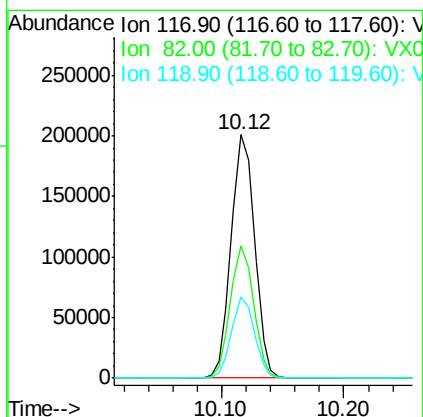
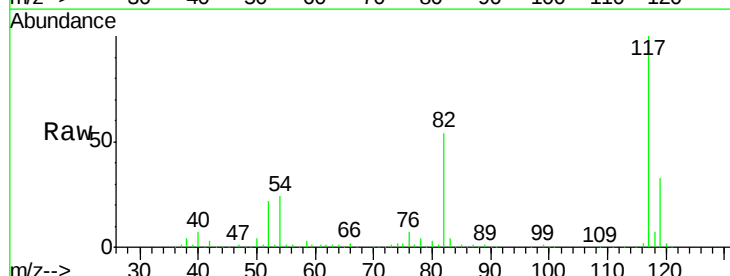
Instrument :
MSVOA_X
ClientSampled :

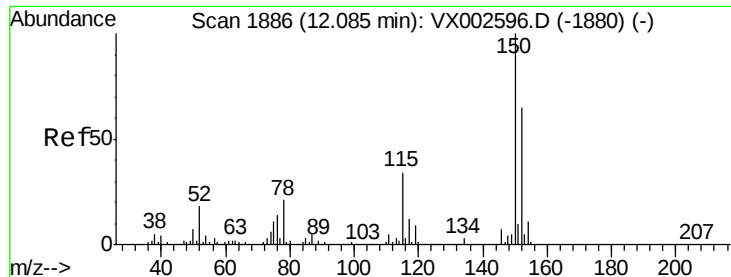
Tot Ion: 95 Resp: 136541
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 95.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002698.D
Acq: 19 Jun 2018 00:34

Tgt Ion: 117 Resp: 267904
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 33.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

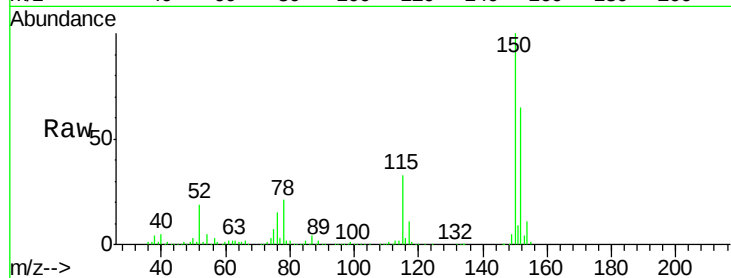
Tot Ion:152 Resp: 134740

Ion Ratio Lower Upper

152 100

115 54.3 40.1 120.2

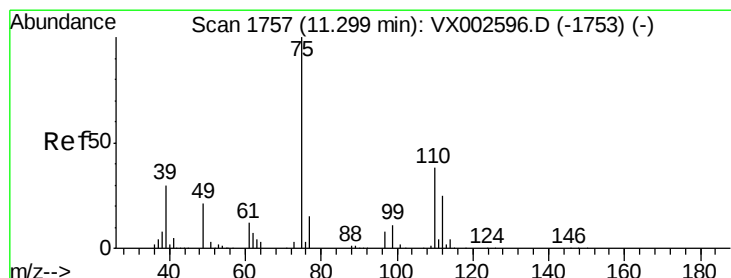
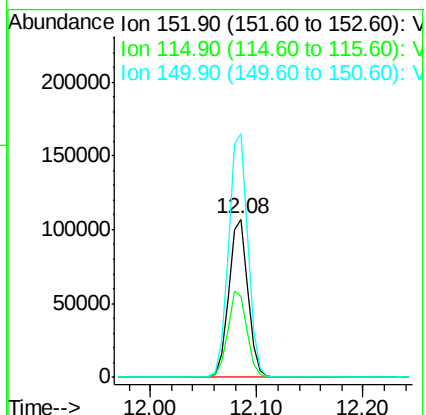
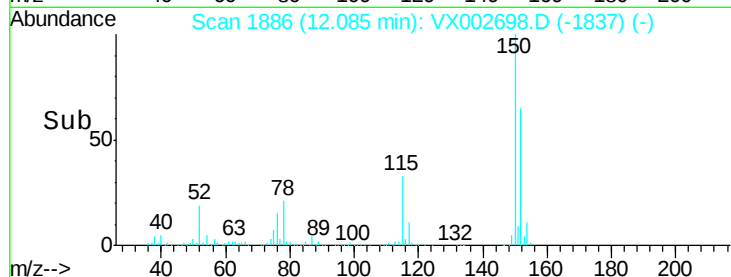
150 156.4 0.0 347.2



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: 28.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002698.D

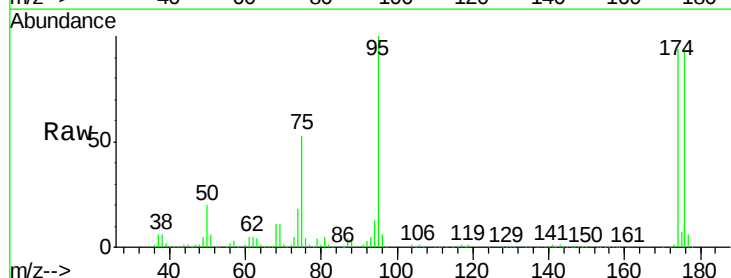
Acq: 19 Jun 2018 00:34

Tgt Ion: 75 Resp: 72592

Ion Ratio Lower Upper

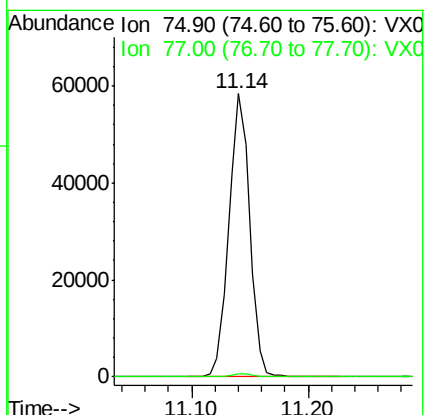
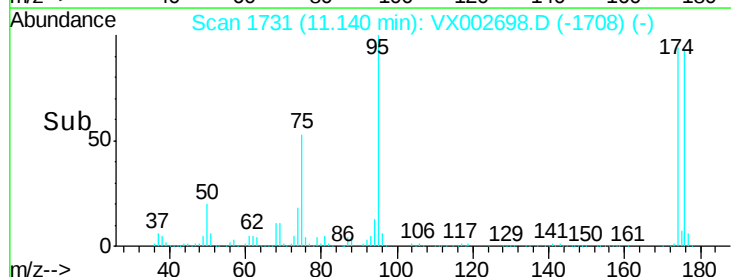
75 100

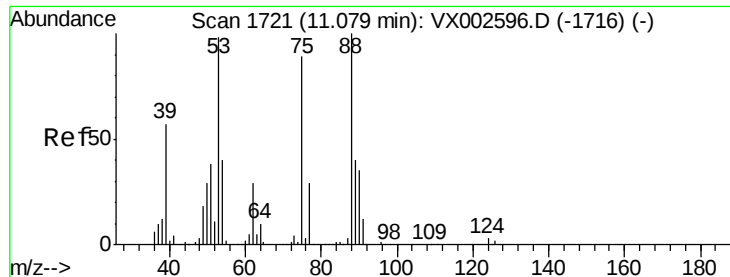
77 1.3 22.8 68.3#



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: 87.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002698.D

Acq: 19 Jun 2018 00:34

Instrument :

MSVOA_X

ClientSampleId :

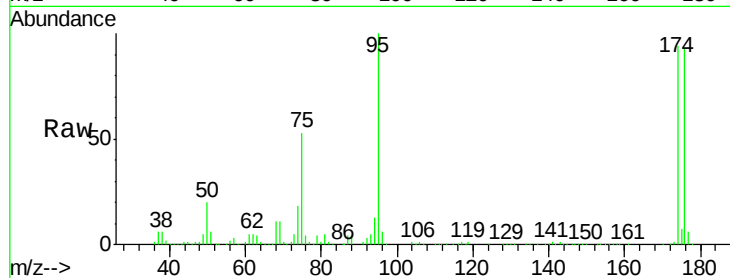
Tot Ion: 75 Resp: 72592

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

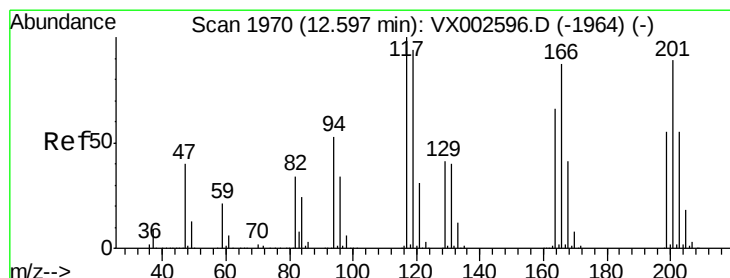
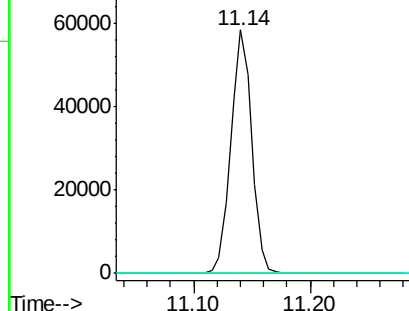
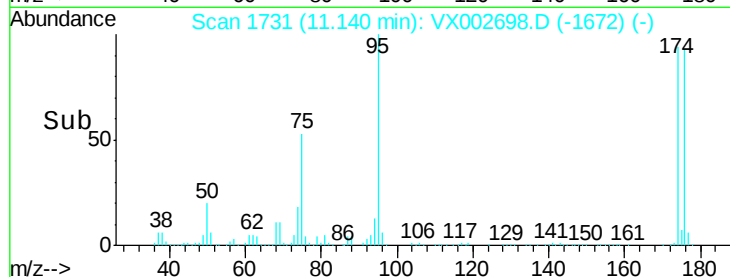
89 0.0 38.2 57.2#



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: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002698.D

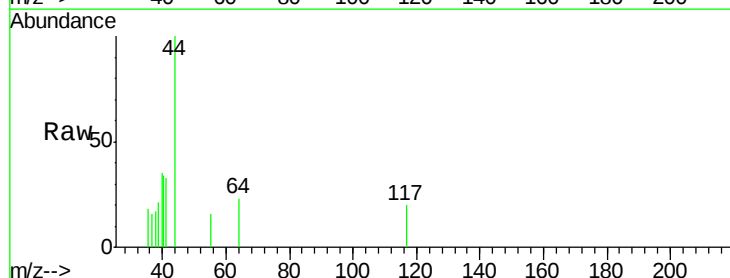
Acq: 19 Jun 2018 00:34

Tgt Ion: 117 Resp: 23

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

