

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061918\
 Data File : VX002724.D
 Acq On : 19 Jun 2018 20:18
 Operator : JC/MD
 Sample : J3528-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 01:04:40 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	196731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	274707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	141313	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	131056	43.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.68%	
35) Dibromofluoromethane	5.51	113	103406	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	
50) Toluene-d8	8.72	98	393182	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	132520	42.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.02%	

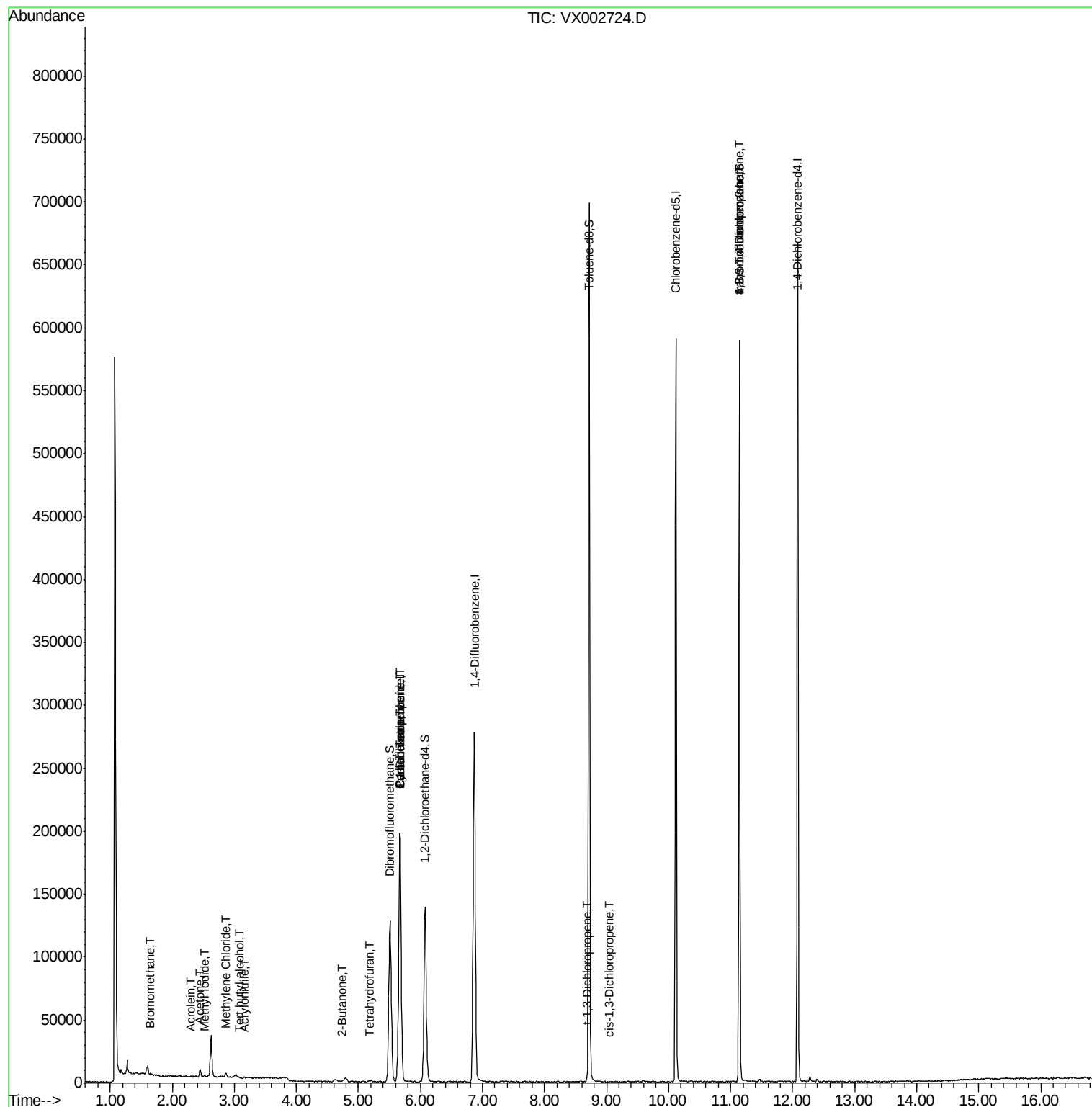
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1044	0.67	ug/l	100
10) Methyl Iodide	2.52	142	952	5.45	ug/l #	84
11) Tert butyl alcohol	3.08	59	209	0.34	ug/l #	31
13) Acrolein	2.29	56	294	7.85	ug/l #	42
15) Acrylonitrile	3.15	53	312	0.23	ug/l #	67
16) Acetone	2.45	43	6786	5.14	ug/l	98
20) Methylene Chloride	2.86	84	1364	0.50	ug/l	88
25) 2-Butanone	4.73	43	665	0.38	ug/l	97
29) Tetrahydrofuran	5.18	42	936	0.82	ug/l #	84
31) Cyclohexane	5.67	56	4215	1.19	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	13927	4.77	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18304	6.30	ug/l #	17
53) t-1,3-Dichloropropene	8.68	75	19	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.04	75	41	3.22	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	70865	26.58	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	70865	82.10	ug/l #	7

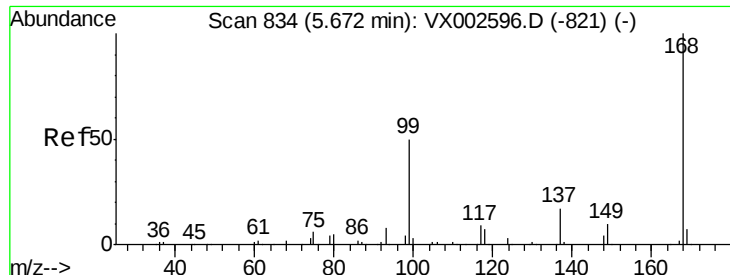
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061918\
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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: VX002724.D

Acq: 19 Jun 2018 20:18

Instrument :

MSVOA_X

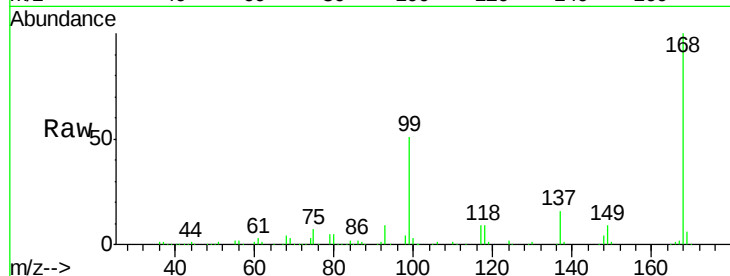
ClientSampleId :

Tot Ion:168 Resp: 196731

Ion Ratio Lower Upper

168 100

99 51.5 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

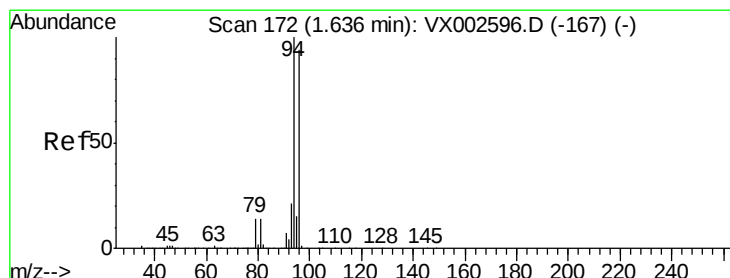
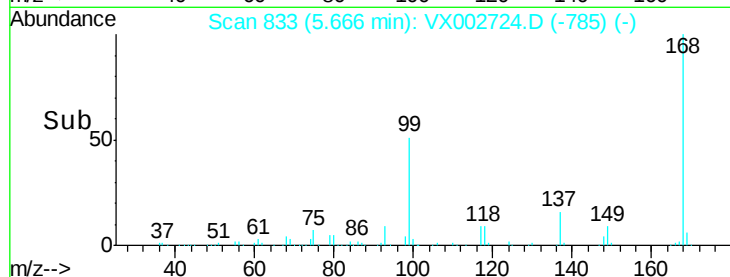
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.67 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002724.D

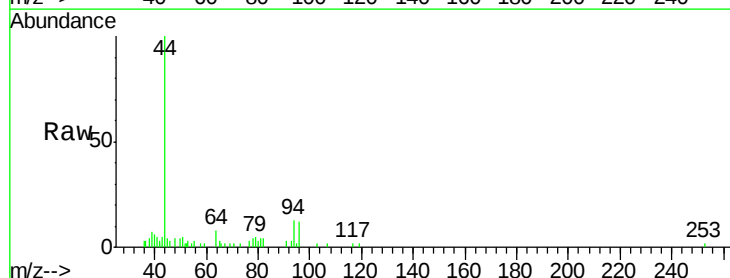
Acq: 19 Jun 2018 20:18

Tgt Ion: 94 Resp: 1044

Ion Ratio Lower Upper

94 100

96 93.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

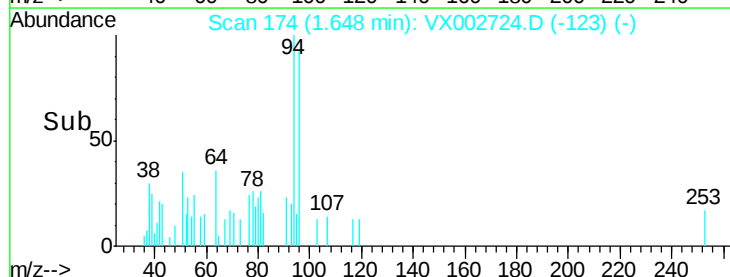
300

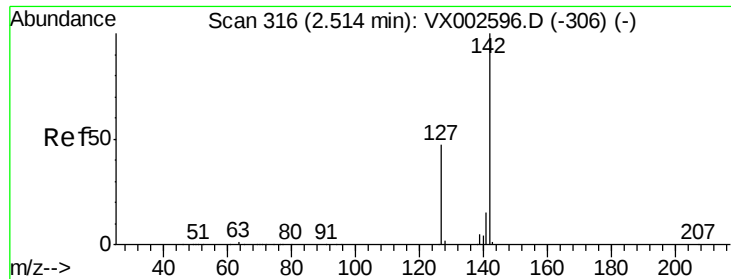
200

100

0

Time--> 1.60 1.65 1.70

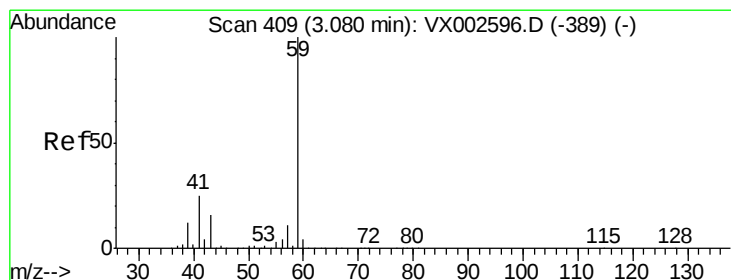
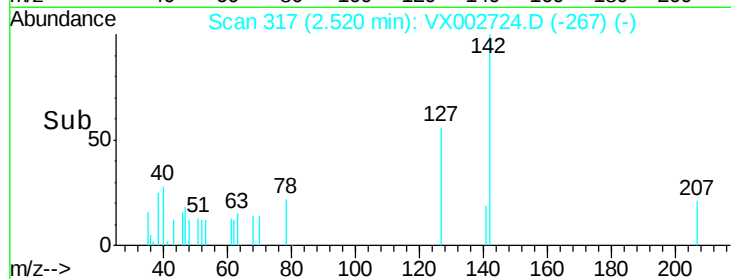
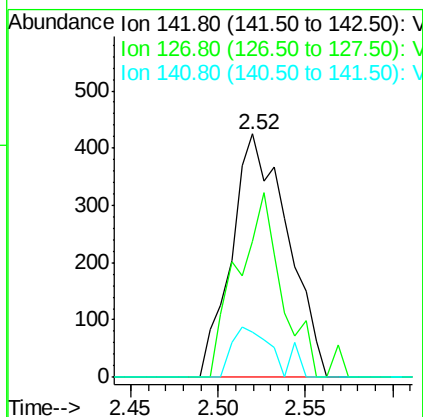
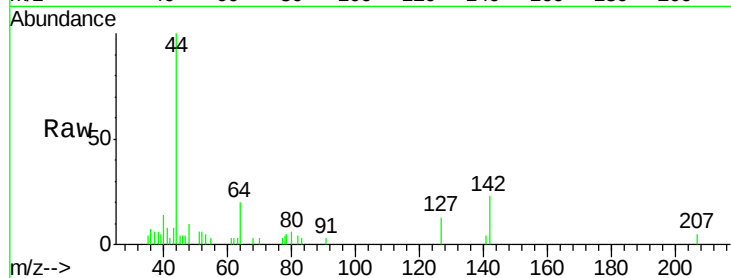




#10
Methyl Iodide
Concen: 5.45 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

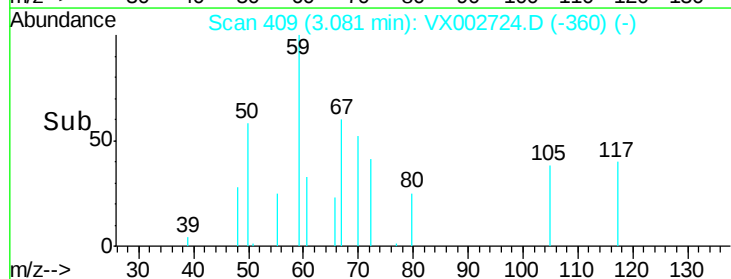
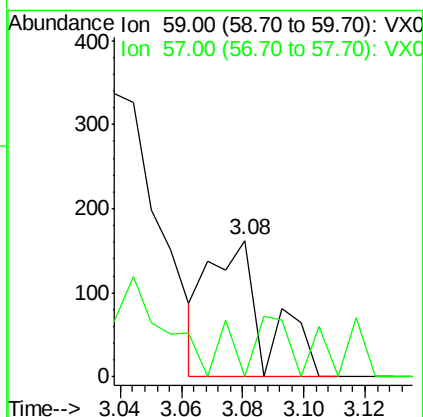
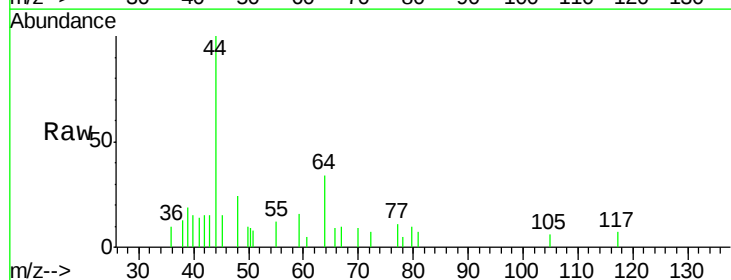
Instrument :
MSVOA_X
ClientSampled :

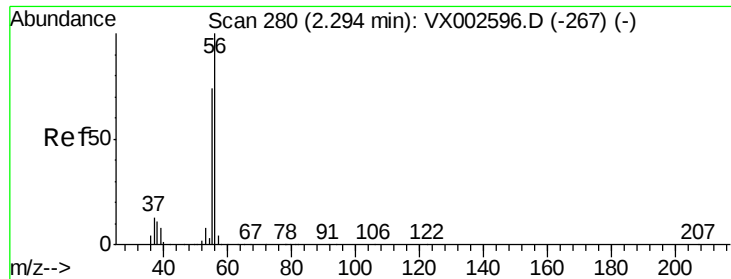
Tot Ion:142 Resp: 952
Ion Ratio Lower Upper
142 100
127 59.5 36.6 55.0#
141 13.2 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 35.9 8.2 12.2#





#13

Acrolein

Concen: 7.85 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

Instrument :

MSVOA_X

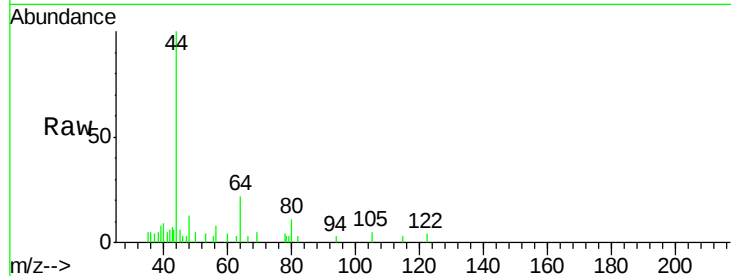
ClientSampled :

Tot Ion: 56 Resp: 294

Ion Ratio Lower Upper

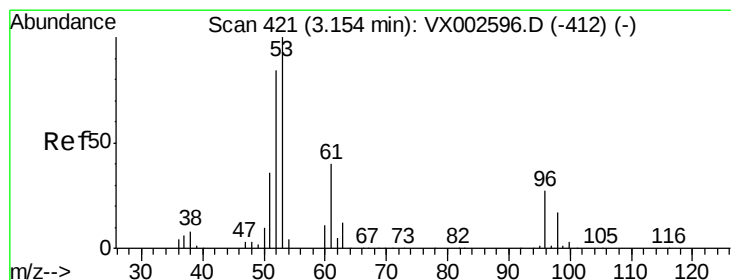
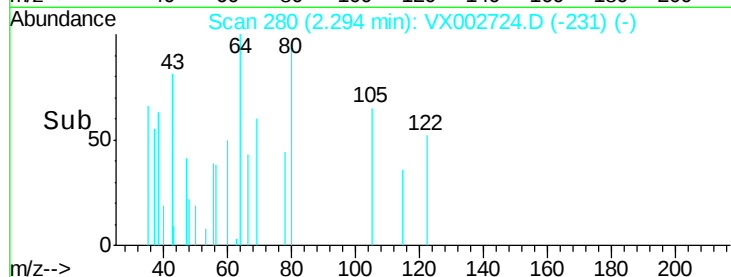
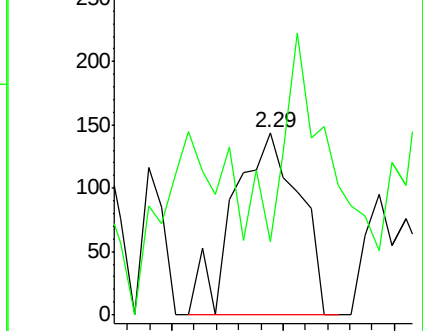
56 100

55 119.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

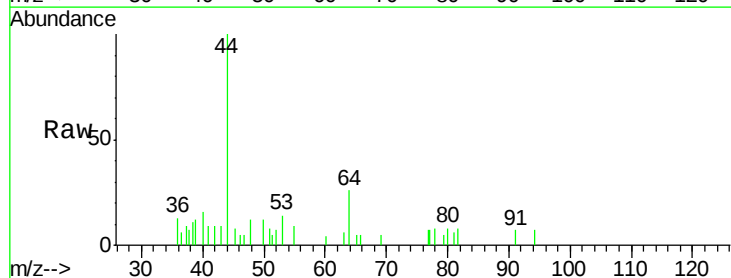
Tgt Ion: 53 Resp: 312

Ion Ratio Lower Upper

53 100

52 47.4 66.7 100.1#

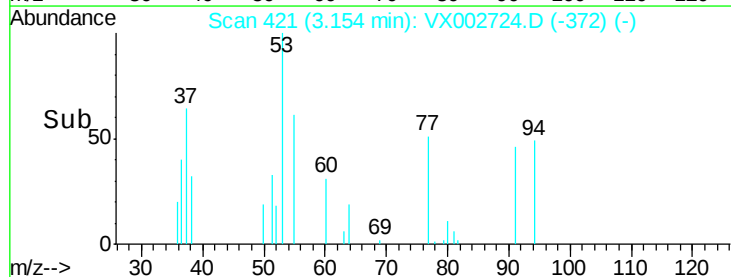
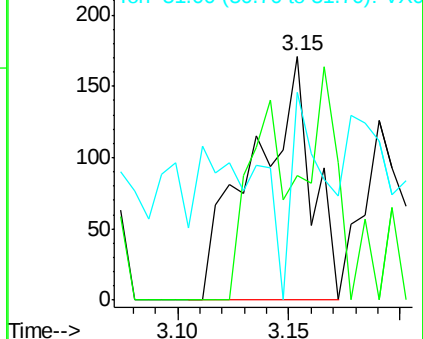
51 47.8 29.9 44.9#

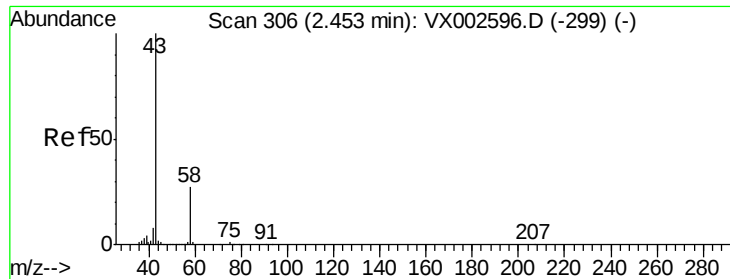


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 5.14 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

Instrument :

MSVOA_X

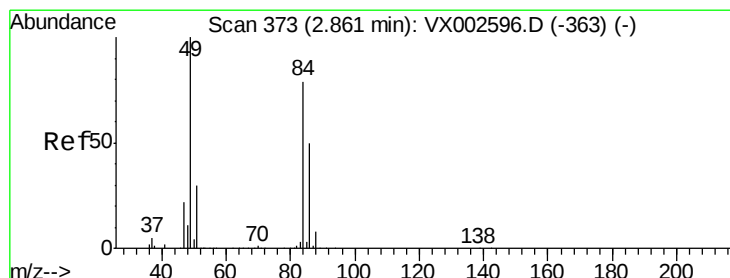
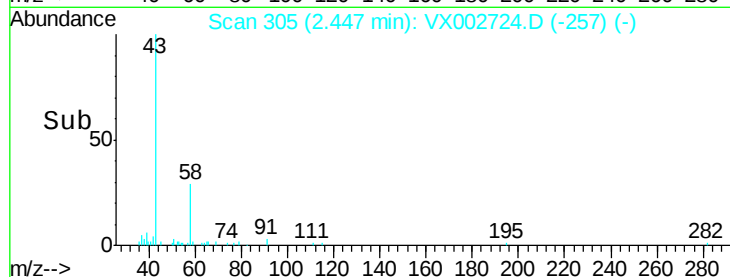
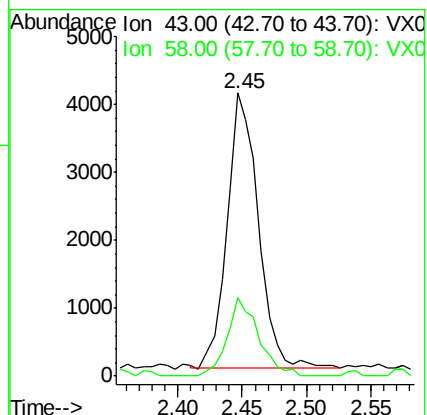
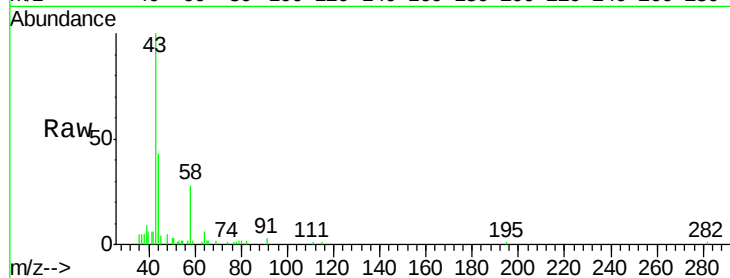
ClientSampleId :

Tot Ion: 43 Resp: 6786

Ion Ratio Lower Upper

43 100

58 28.9 22.1 33.1



#20

Methylene Chloride

Concen: 0.50 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

Tgt Ion: 84 Resp: 1364

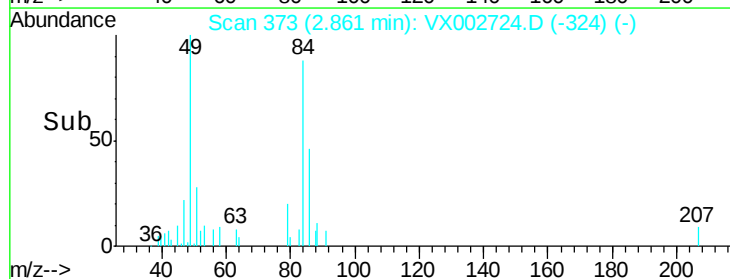
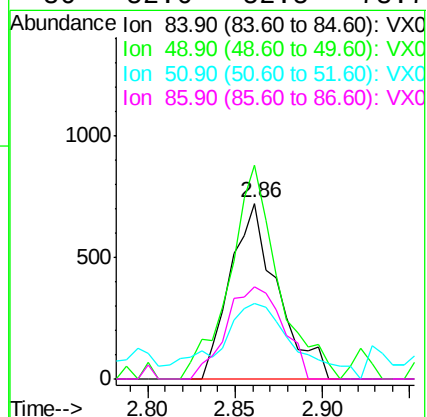
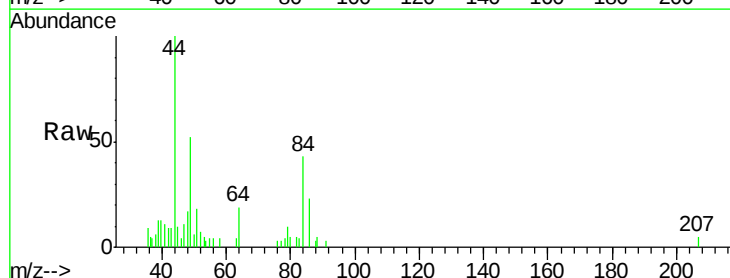
Ion Ratio Lower Upper

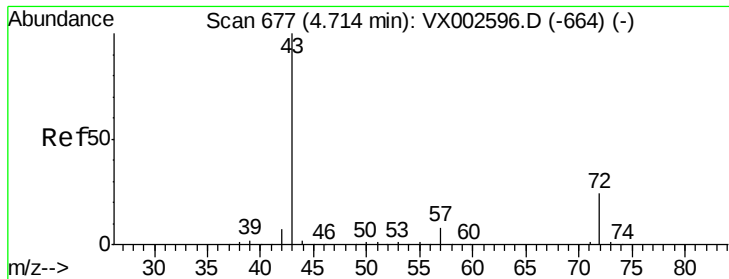
84 100

49 121.6 107.8 161.6

51 35.8 32.8 49.2

86 52.6 52.5 78.7

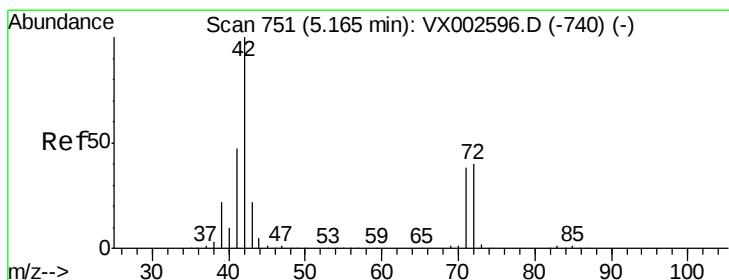
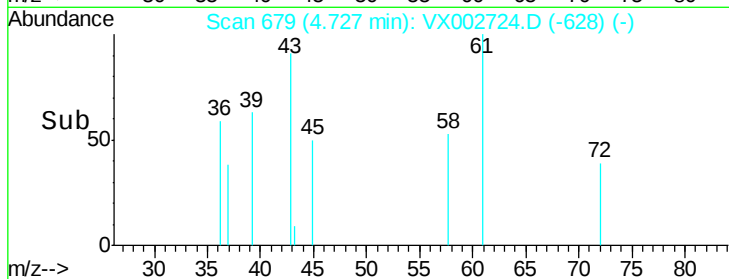
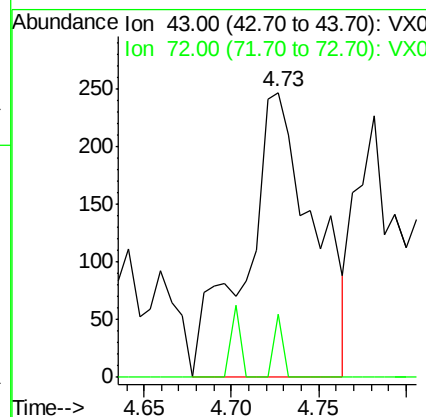
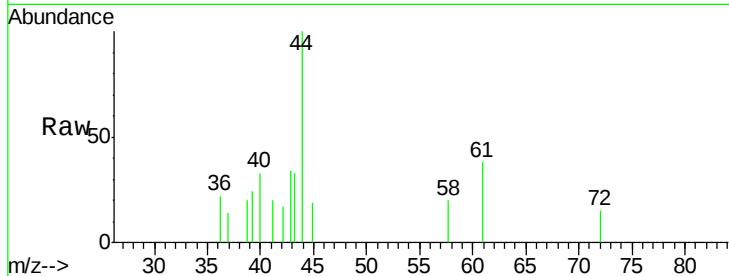




#25
2-Butanone
Concen: 0.38 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

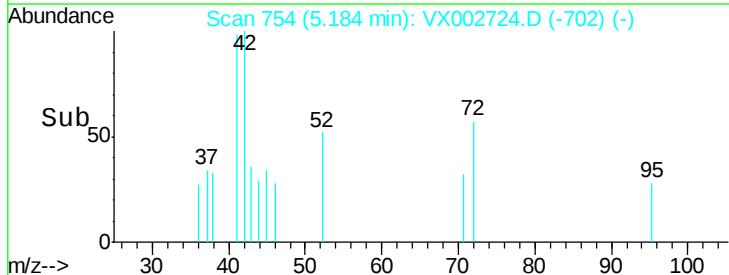
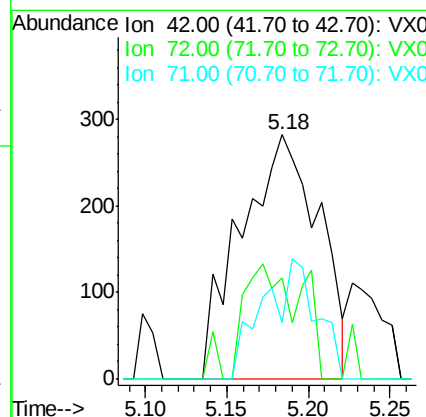
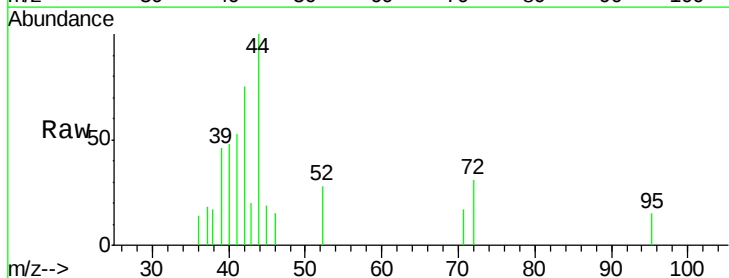
Instrument :
MSVOA_X
ClientSampled :

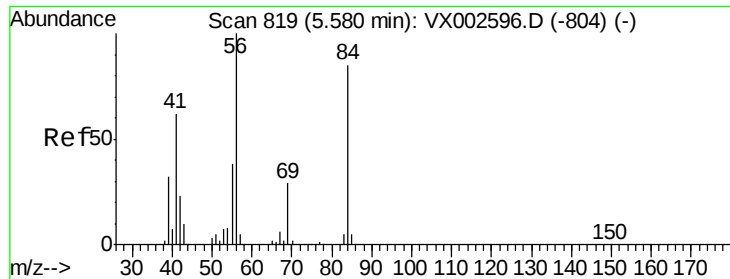
Tot Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
72 21.9 18.5 27.7



#29
Tetrahydrofuran
Concen: 0.82 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.02 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Tgt Ion: 42 Resp: 936
Ion Ratio Lower Upper
42 100
72 24.7 32.0 48.0#
71 33.3 30.1 45.1

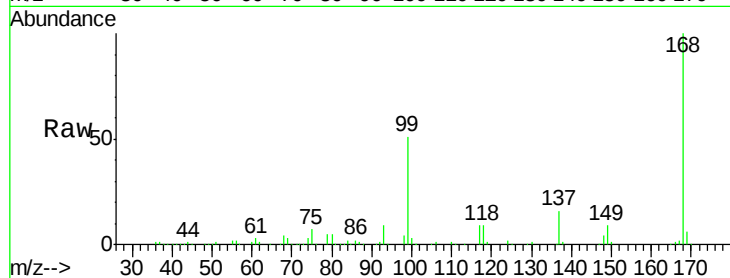




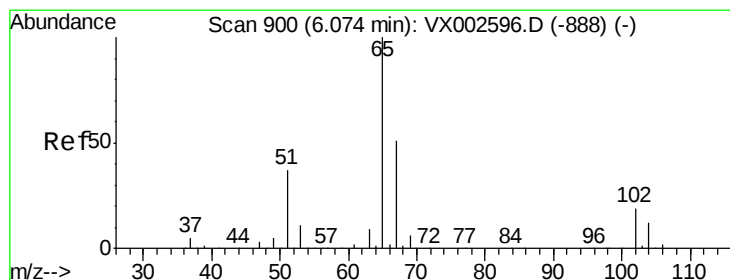
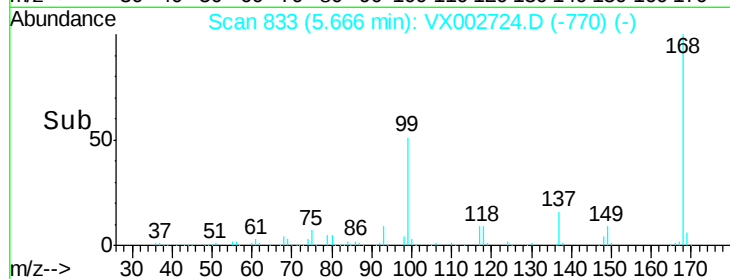
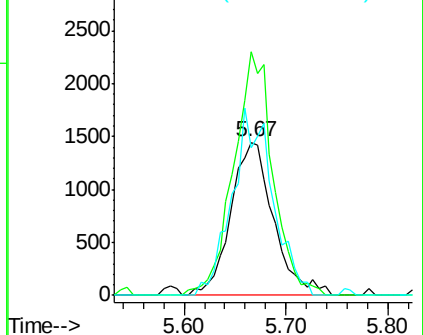
#31
Cyclohexane
Concen: 1.19 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4215
Ion Ratio Lower Upper
56 100
69 159.1 23.7 35.5#
84 104.6 64.1 96.1#

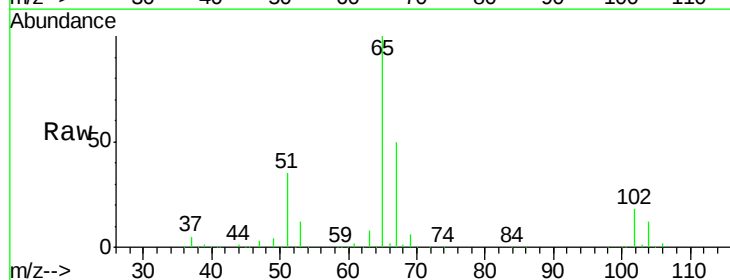


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

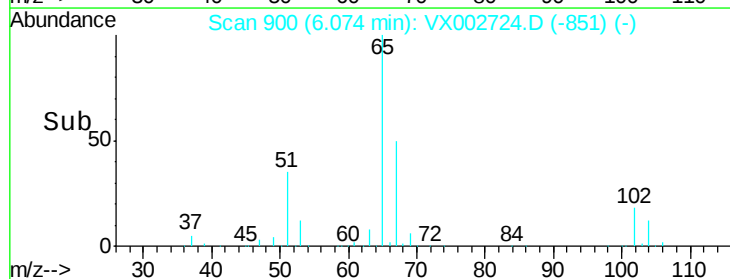
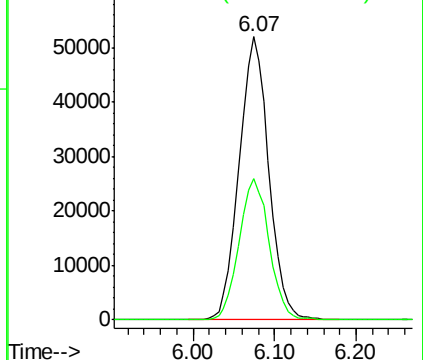


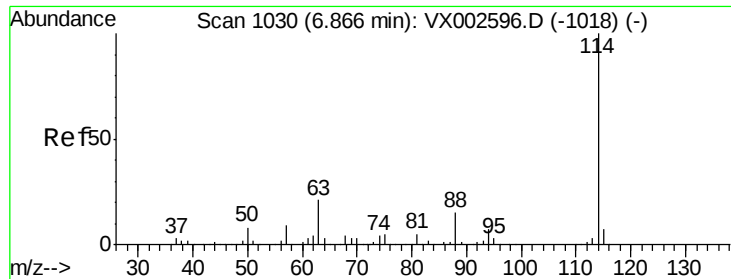
#33
1,2-Dichloroethane-d4
Concen: 43.84 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Tgt Ion: 65 Resp: 131056
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6



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

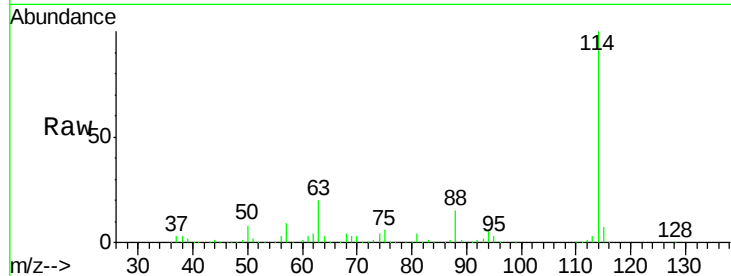




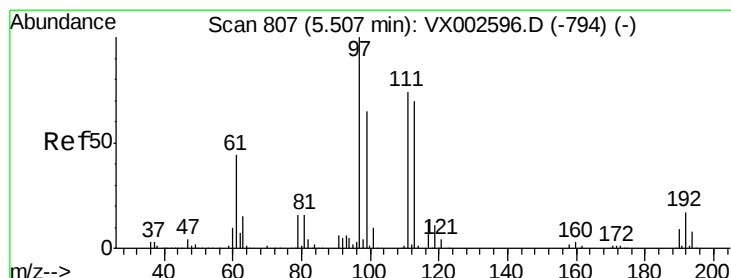
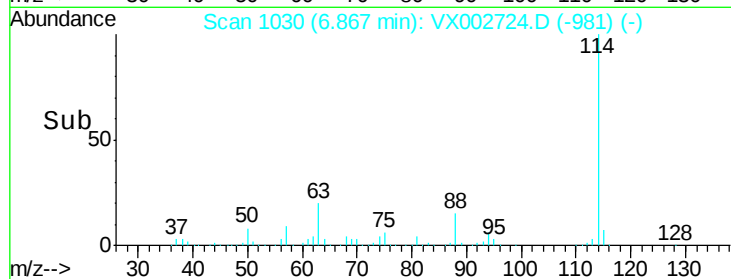
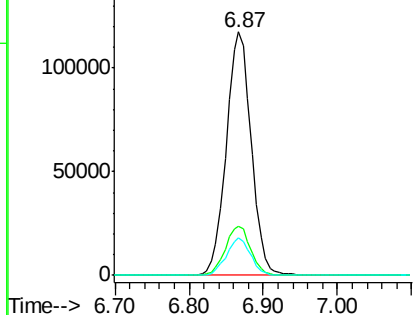
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002724.D
 Acq: 19 Jun 2018 20:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.4
88	15.5	0.0	30.0

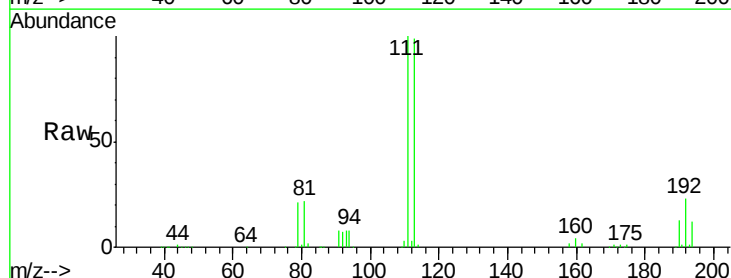


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

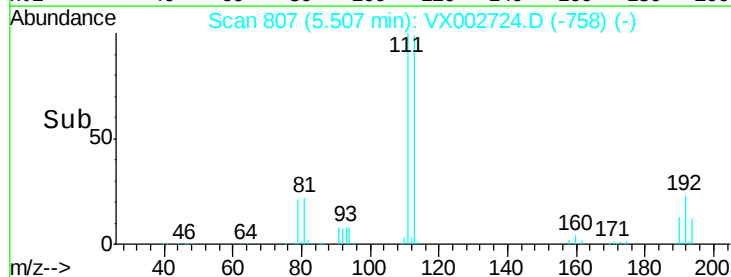
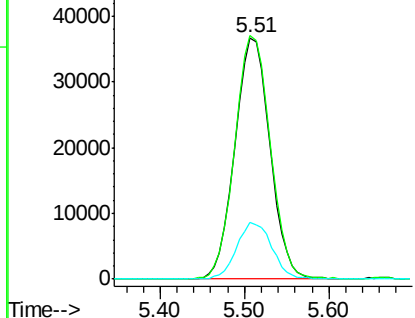


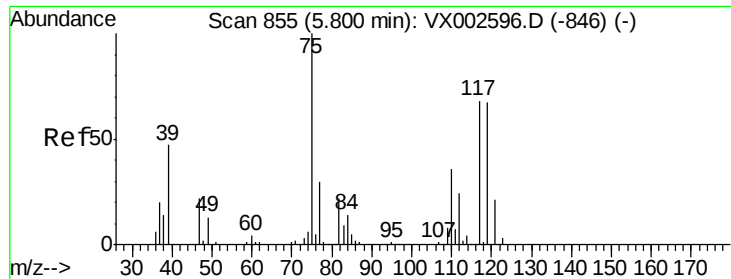
#35
 Dibromofluoromethane
 Concen: 47.17 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002724.D
 Acq: 19 Jun 2018 20:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	23.5	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

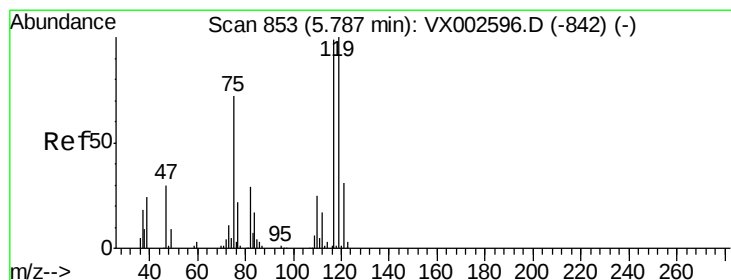
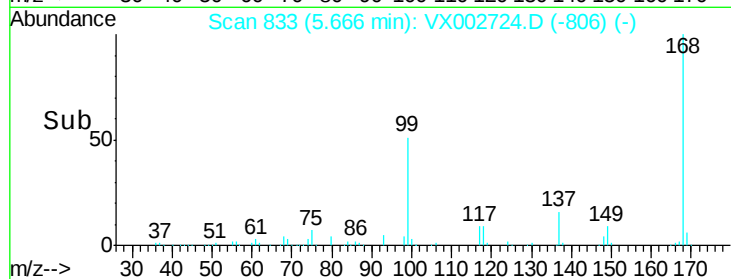
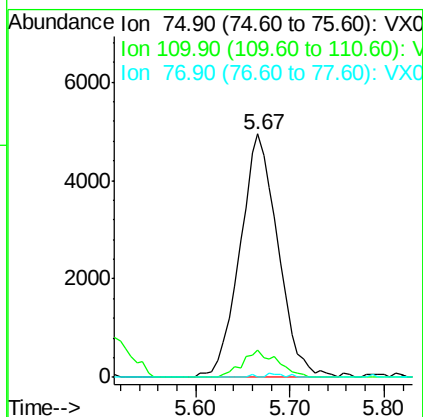
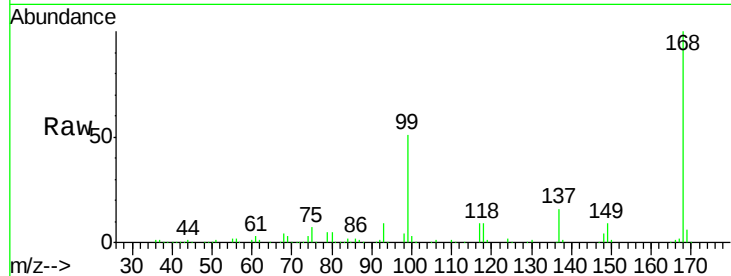




#36
 1,1-Dichloropropene
 Concen: 4.77 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002724.D
 Acq: 19 Jun 2018 20:18

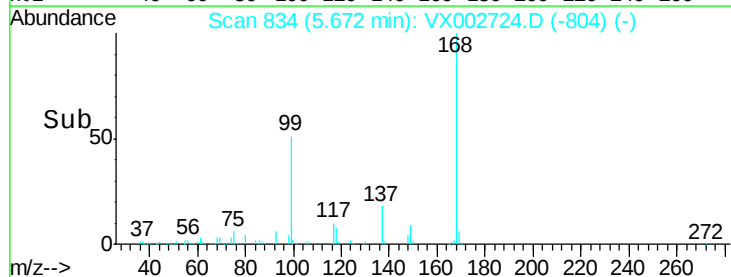
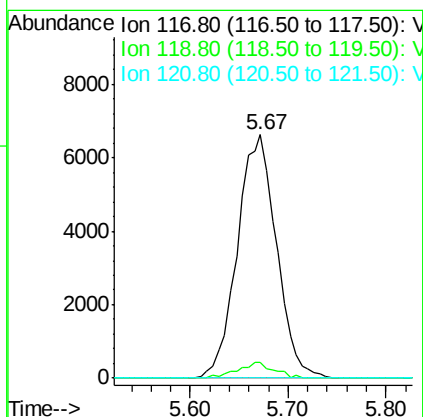
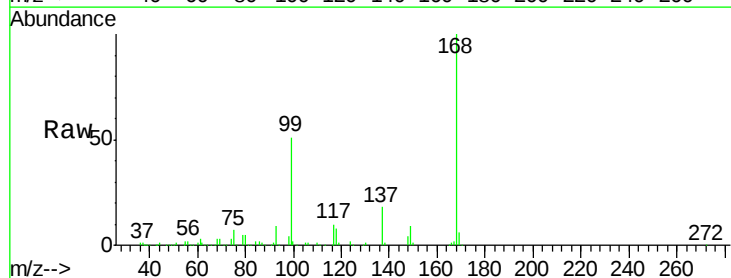
Instrument :
 MSVOA_X
 ClientSampleId :

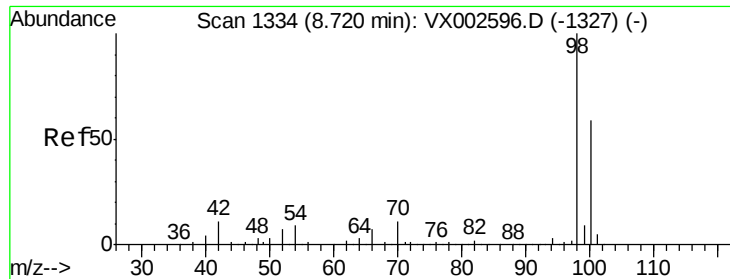
Tot Ion: 75 Resp: 13927
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.4#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.30 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002724.D
 Acq: 19 Jun 2018 20:18

Tgt Ion: 117 Resp: 18304
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.4 116.0#
 121 0.0 24.4 36.6#

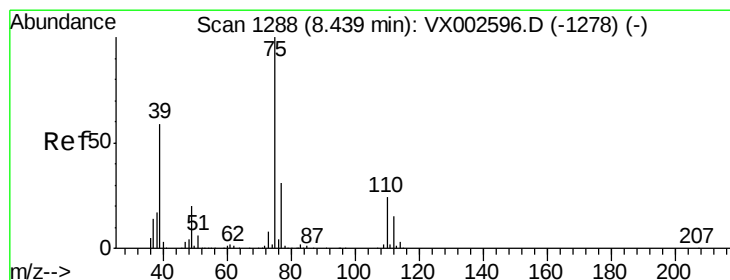
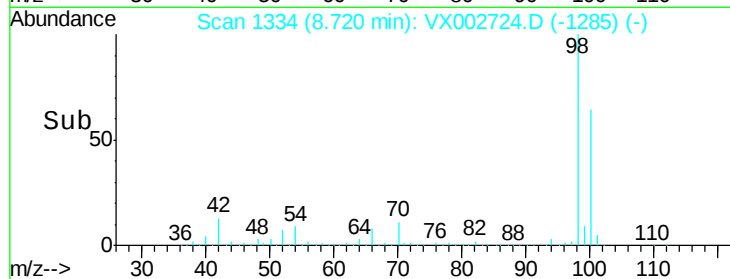
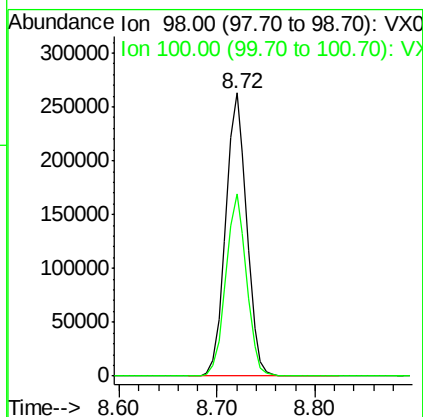
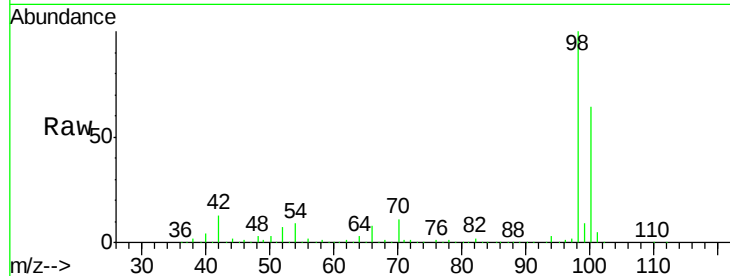




#50
Toluene-d8
Concen: 47.23 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

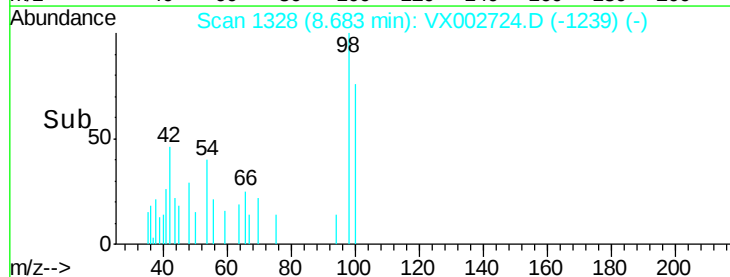
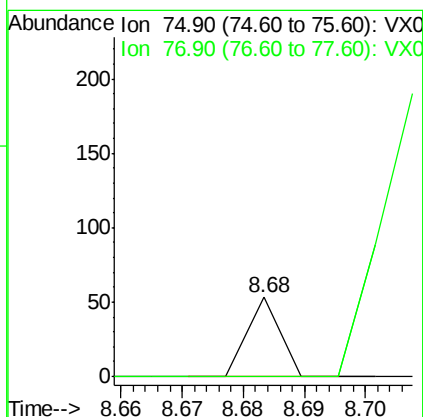
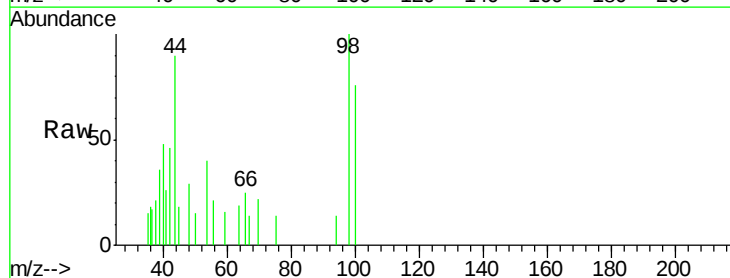
Instrument :
MSVOA_X
ClientSampled :

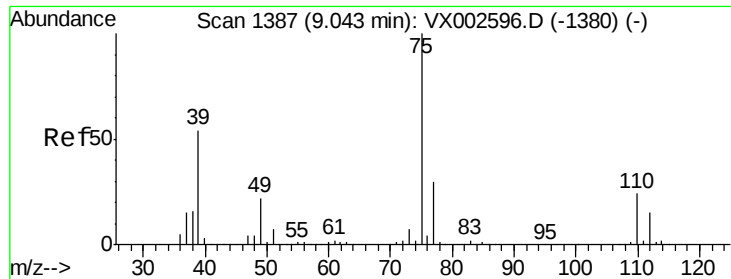
Tot Ion: 98 Resp: 393182
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.68 min Scan# 1328
Delta R.T. 0.24 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



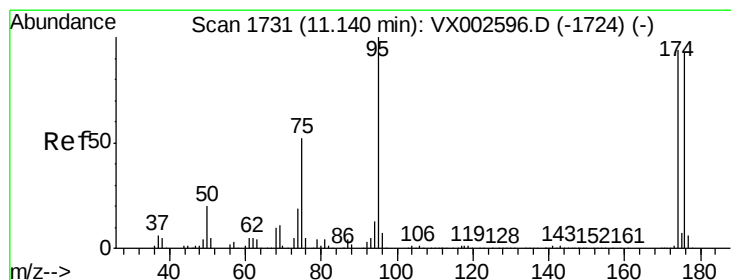
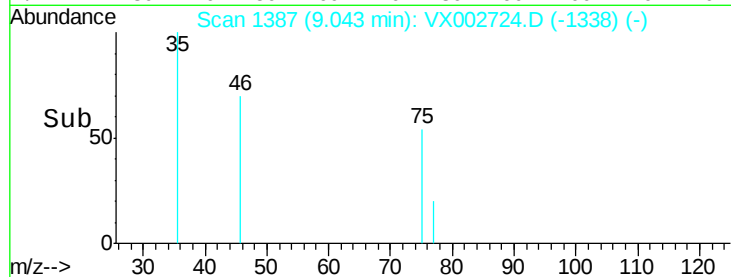
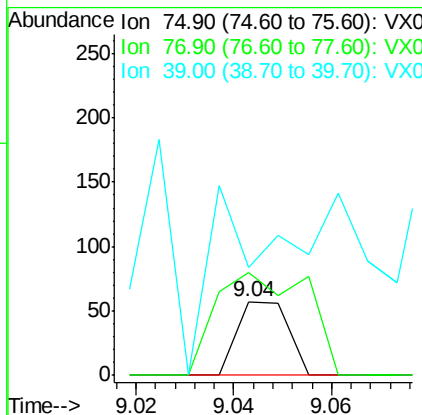
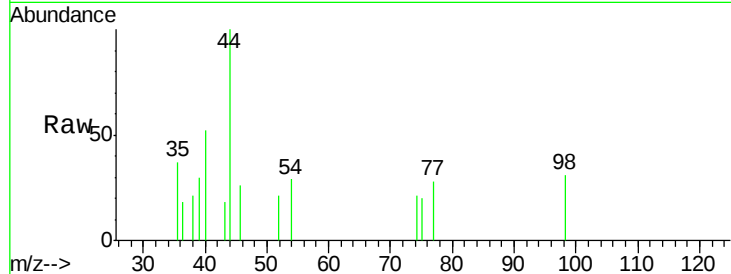


#54

cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Instrument :
MSVOA_X
ClientSampled :

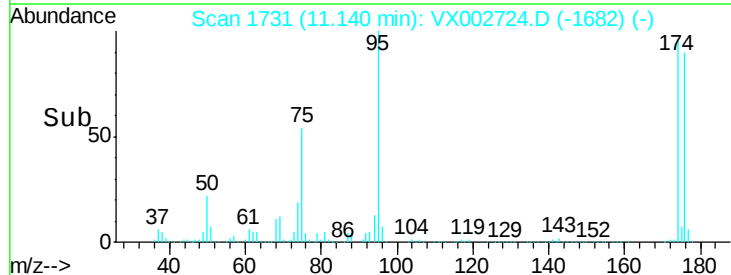
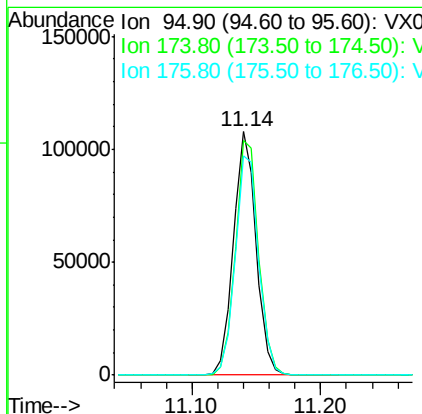
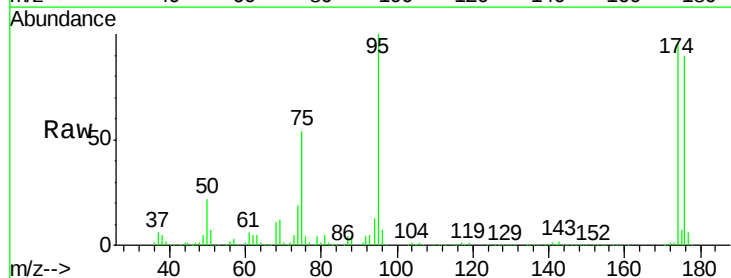
Tot Ion: 75 Resp: 41
Ion Ratio Lower Upper
75 100
77 140.4 24.8 37.2#
39 147.4 42.4 63.6#

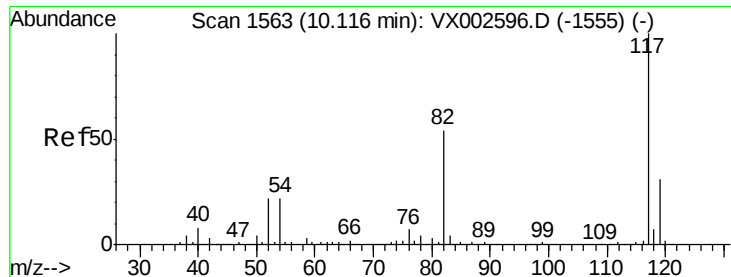


#62

4-Bromofluorobenzene
Concen: 42.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002724.D
Acq: 19 Jun 2018 20:18

Tgt Ion: 95 Resp: 132520
Ion Ratio Lower Upper
95 100
174 98.4 0.0 187.4
176 93.3 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: VX002724.D

Acq: 19 Jun 2018 20:18

Instrument :

MSVOA_X

ClientSampleId :

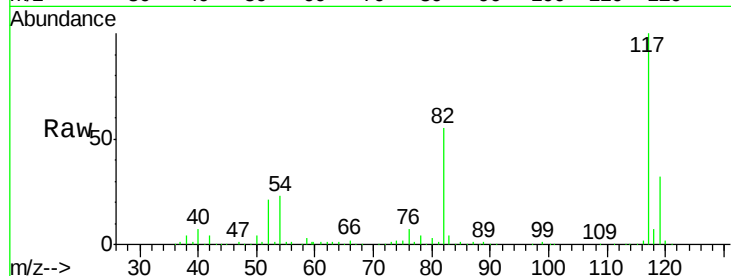
Tot Ion:117 Resp: 253376

Ion Ratio Lower Upper

117 100

82 54.9 45.0 67.4

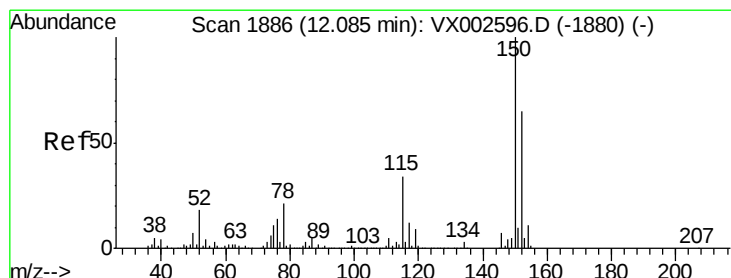
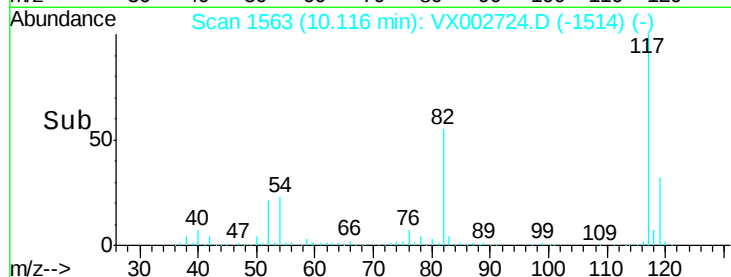
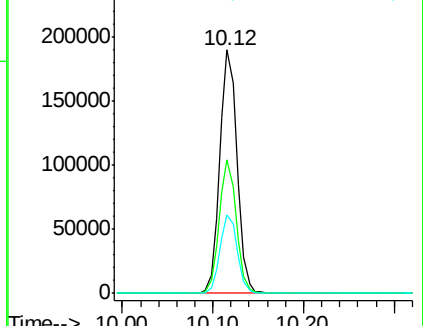
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

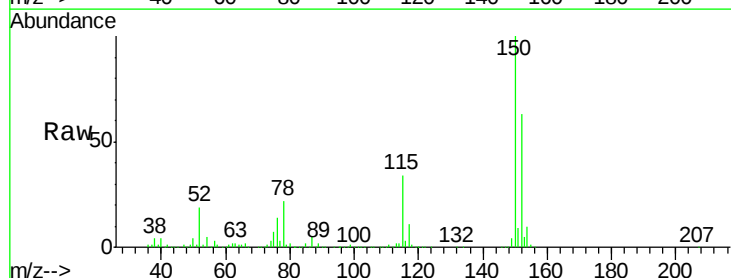
Tgt Ion:152 Resp: 141313

Ion Ratio Lower Upper

152 100

115 54.9 40.1 120.2

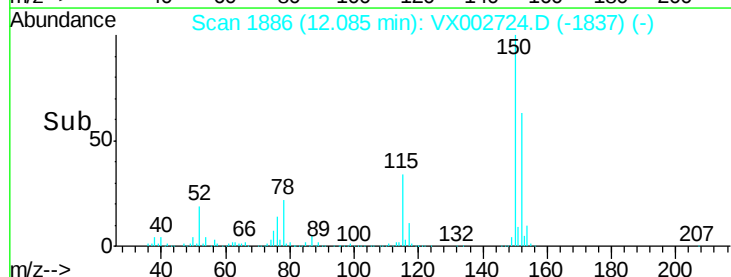
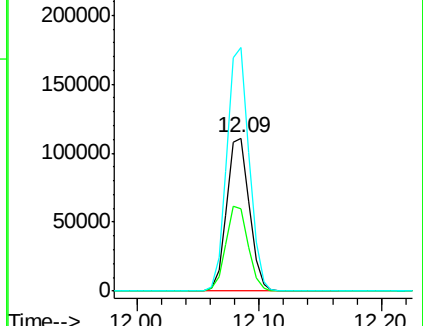
150 157.0 0.0 347.2

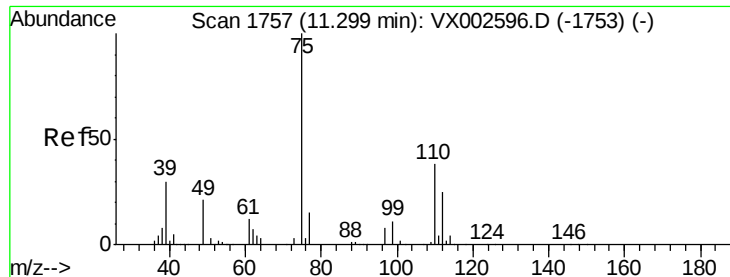


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

Instrument :

MSVOA_X

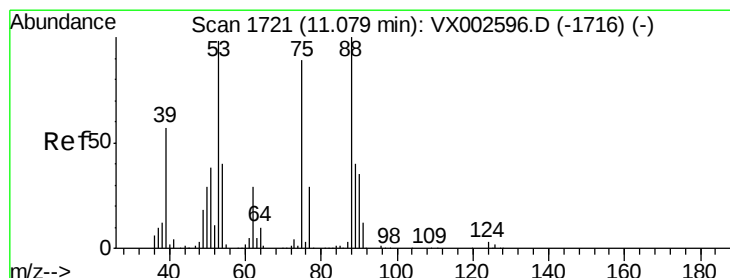
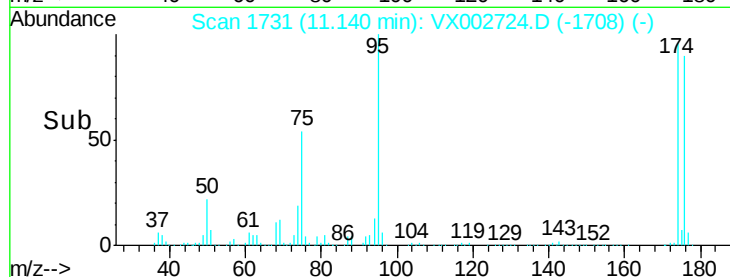
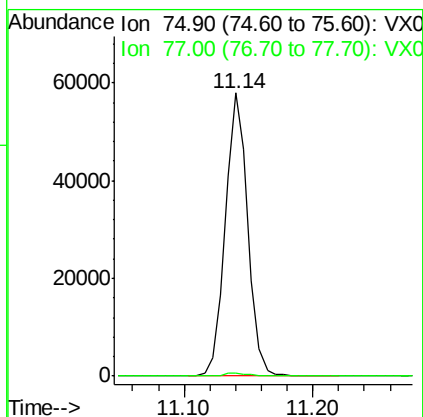
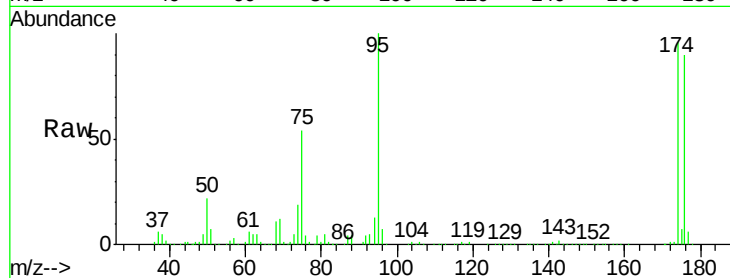
ClientSampleId :

Tot Ion: 75 Resp: 70865

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002724.D

Acq: 19 Jun 2018 20:18

Tgt Ion: 75 Resp: 70865

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

