

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002704.D
 Acq On : 19 Jun 2018 03:14
 Operator : JC/MD
 Sample : J3536-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:13:02 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	209225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	292844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	274937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	153403	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	153113	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
35) Dibromofluoromethane	5.51	113	120851	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	8.72	98	459318	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.14	95	158637	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

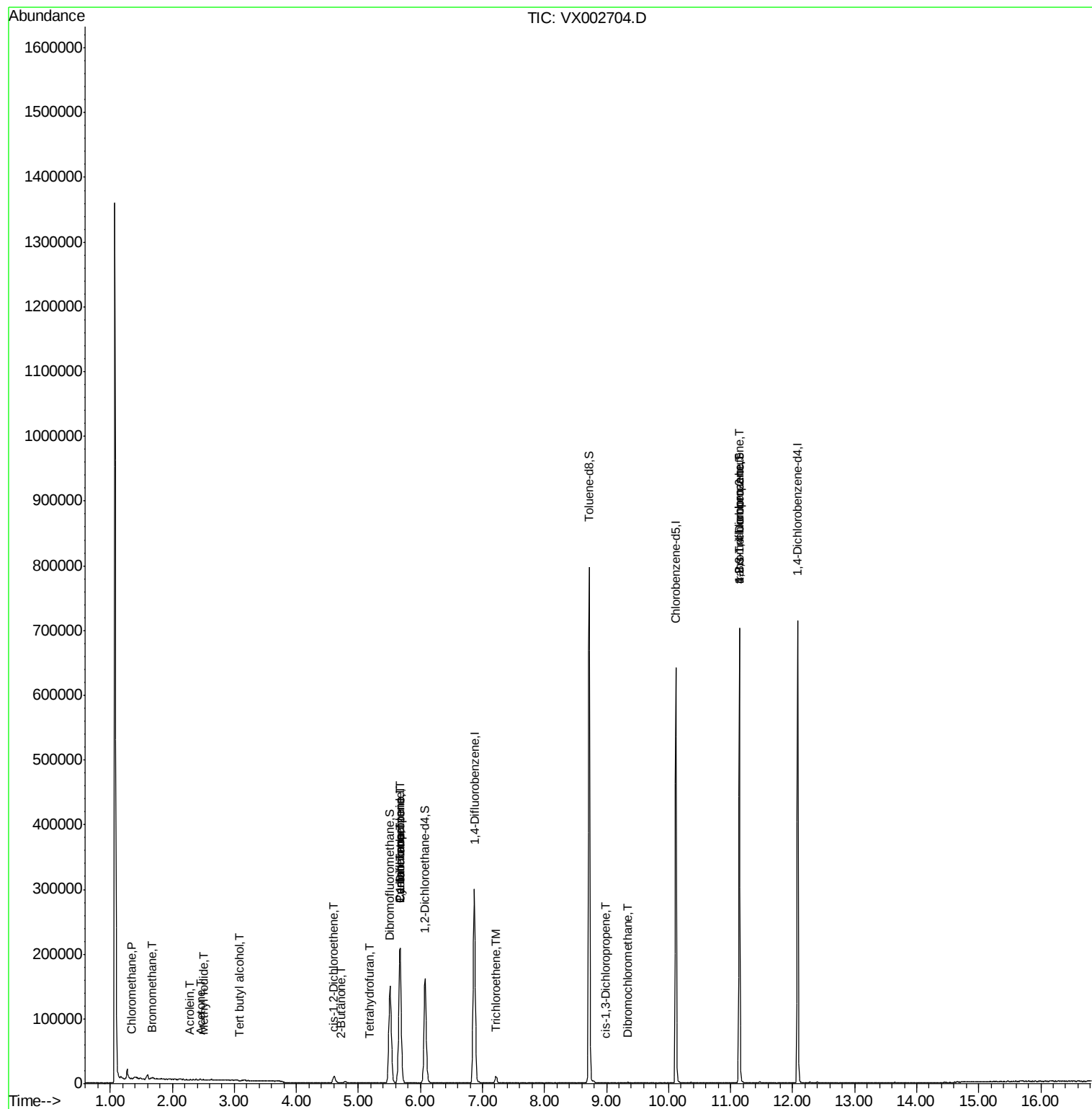
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	572	0.22	ug/l #	70
5) Bromomethane	1.67	94	978	0.59	ug/l	94
10) Methyl Iodide	2.51	142	994	5.45	ug/l #	96
11) Tert butyl alcohol	3.08	59	176	0.27	ug/l #	1
13) Acrolein	2.29	56	164	7.38	ug/l #	1
16) Acetone	2.45	43	1389	0.99	ug/l	97
25) 2-Butanone	4.73	43	614	0.33	ug/l #	78
27) cis-1,2-Dichloroethene	4.61	96	5290	2.05	ug/l	78
29) Tetrahydrofuran	5.19	42	492	0.41	ug/l #	47
31) Cyclohexane	5.67	56	4389	1.17	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	14364	4.62	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18928	6.11	ug/l #	15
44) Trichloroethene	7.21	130	3955	1.47	ug/l	92
54) cis-1,3-Dichloropropene	8.98	75	21	3.22	ug/l #	45
60) Dibromochloromethane	9.34	129	125	3.80	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	84977	29.36	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84977	90.26	ug/l #	7

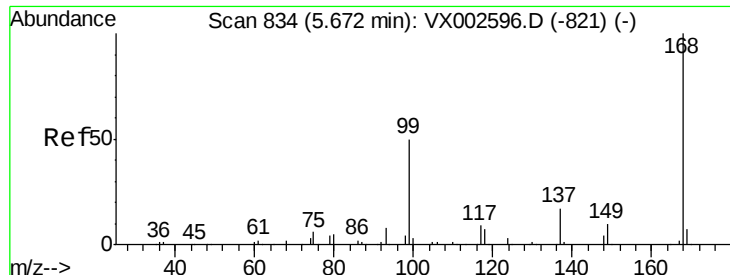
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061818\
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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# 834

Delta R.T. 0.00 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

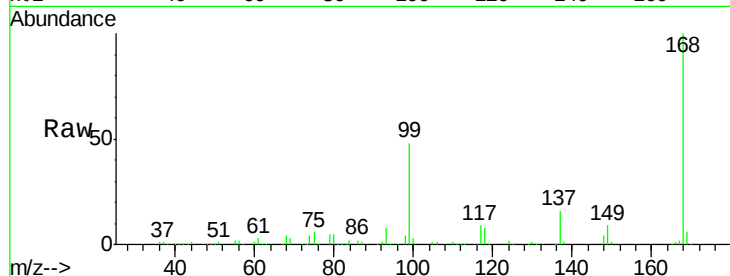
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 209225

Ion Ratio Lower Upper

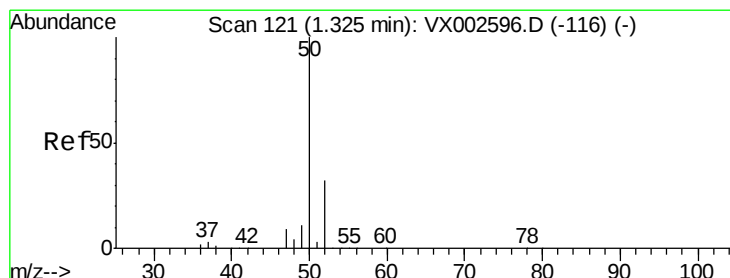
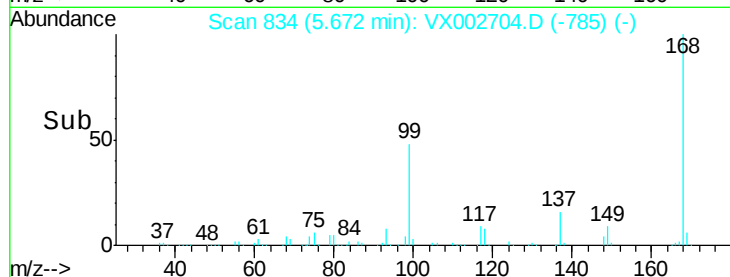
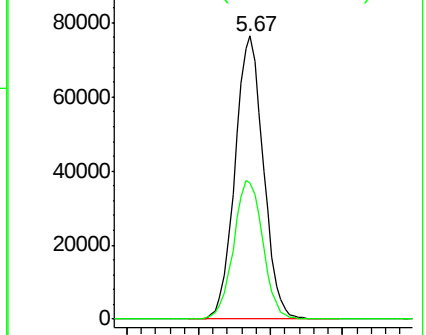
168 100

99 48.2 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: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002704.D

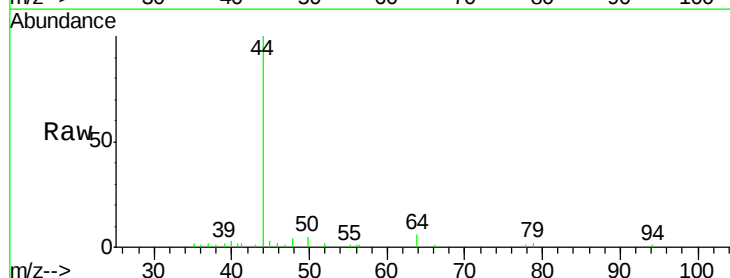
Acq: 19 Jun 2018 03:14

Tgt Ion: 50 Resp: 572

Ion Ratio Lower Upper

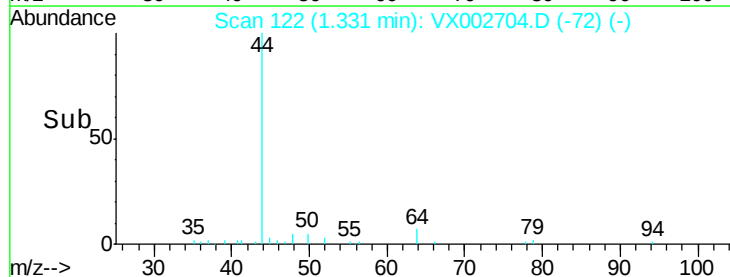
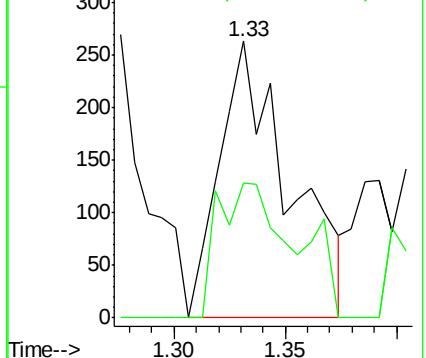
50 100

52 48.7 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.59 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

Instrument :

MSVOA_X

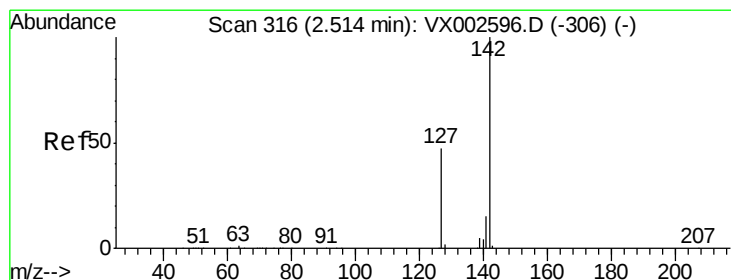
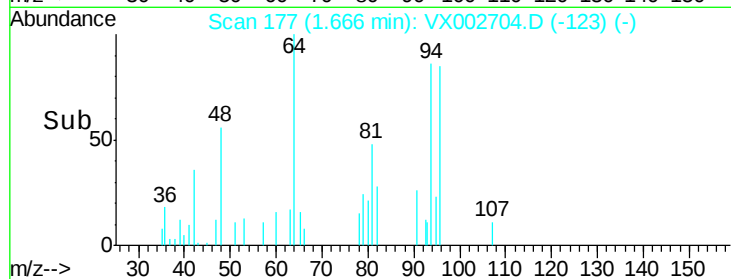
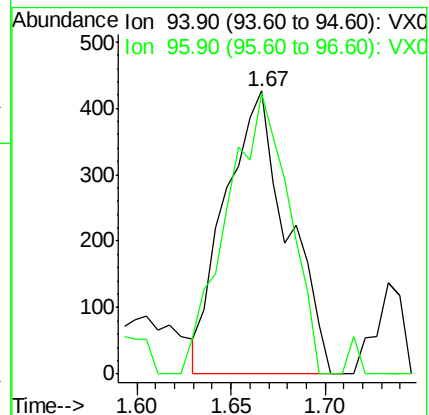
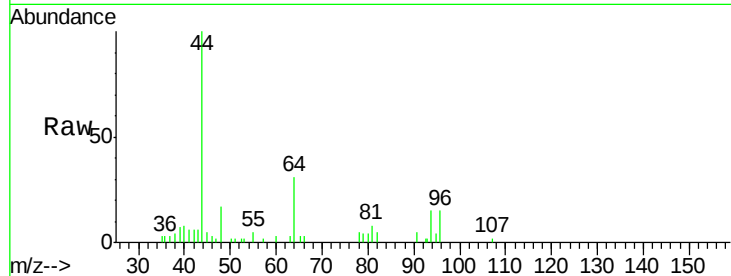
ClientSampled :

Tot Ion: 94 Resp: 978

Ion Ratio Lower Upper

94 100

96 99.3 74.9 112.3



#10

Methyl Iodide

Concen: 5.45 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

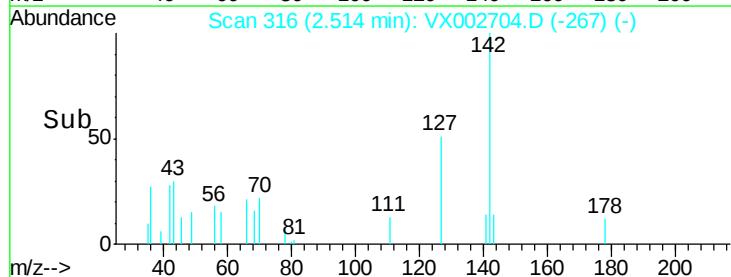
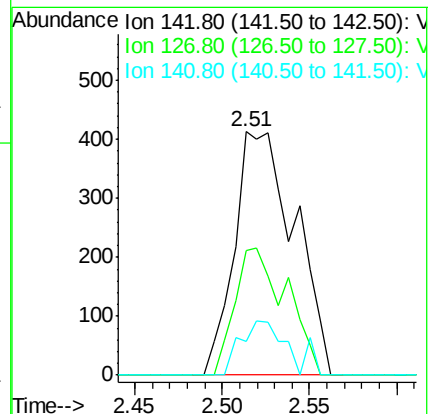
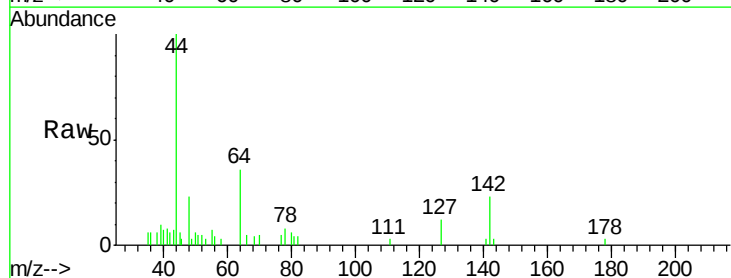
Tgt Ion:142 Resp: 994

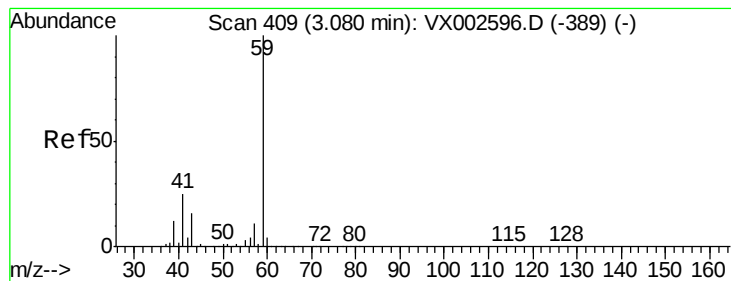
Ion Ratio Lower Upper

142 100

127 44.6 36.6 55.0

141 17.8 11.3 16.9#



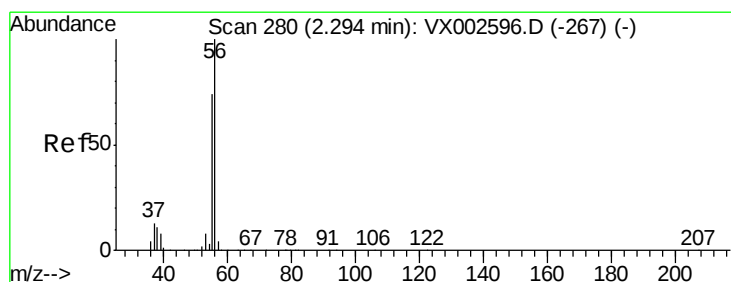
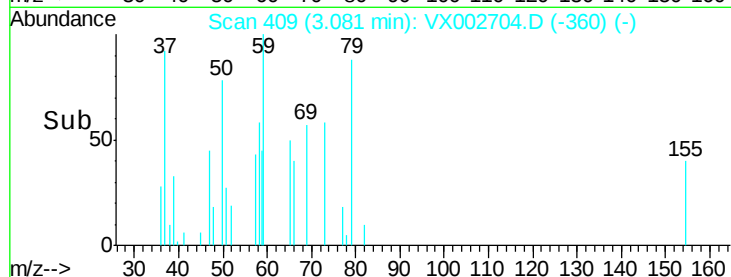
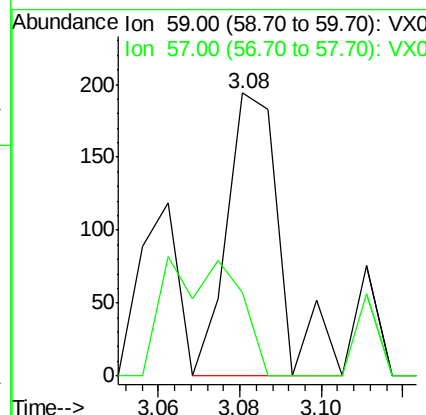
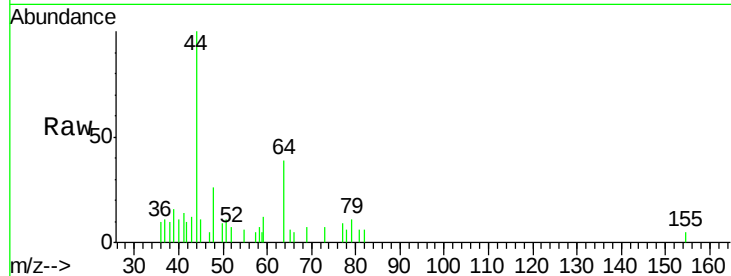


#11

Tert butyl alcohol
Concen: 0.27 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002704.D
Acq: 19 Jun 2018 03:14

Instrument :
MSVOA_X
ClientSampled :

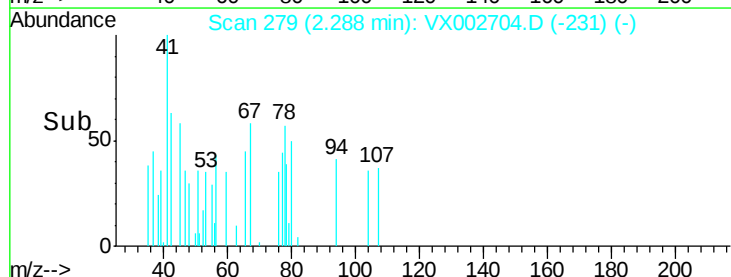
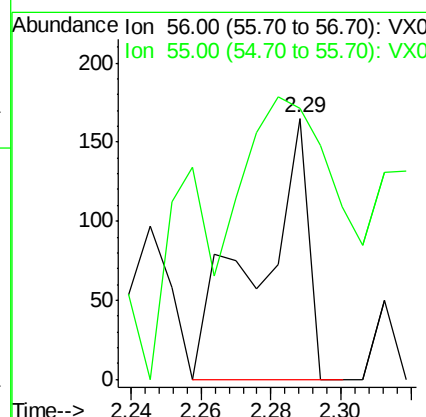
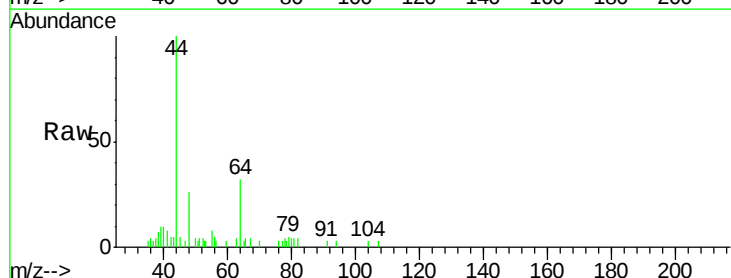
Tot Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 56.3 8.2 12.2#

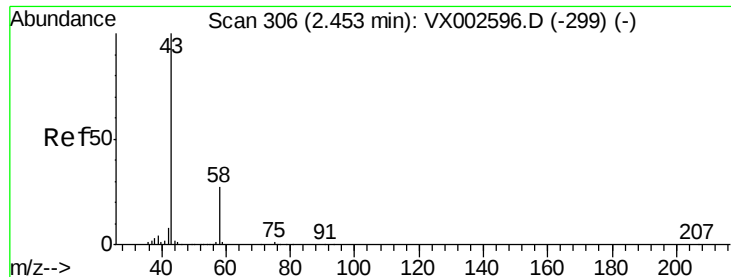


#13

Acrolein
Concen: 7.38 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002704.D
Acq: 19 Jun 2018 03:14

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 188.4 57.0 85.4#





#16

Acetone

Concen: 0.99 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

Instrument :

MSVOA_X

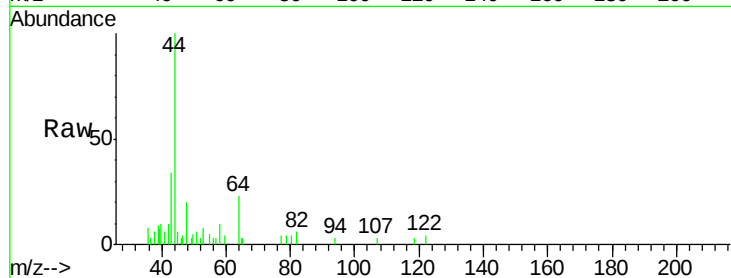
ClientSampled :

Tot Ion: 43 Resp: 1389

Ion Ratio Lower Upper

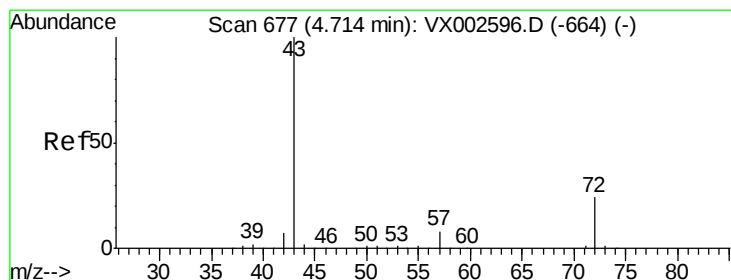
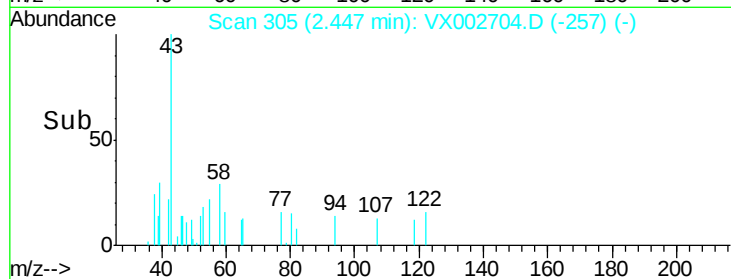
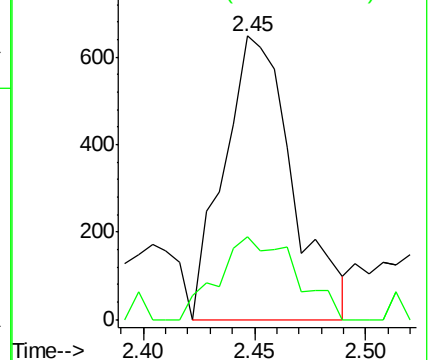
43 100

58 29.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX002704.D

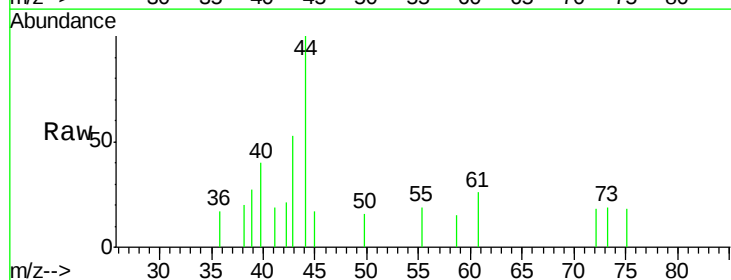
Acq: 19 Jun 2018 03:14

Tgt Ion: 43 Resp: 614

Ion Ratio Lower Upper

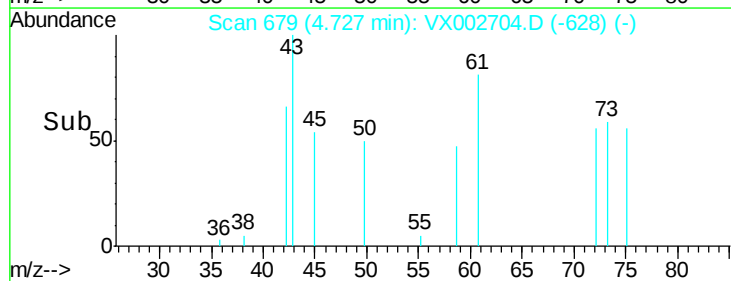
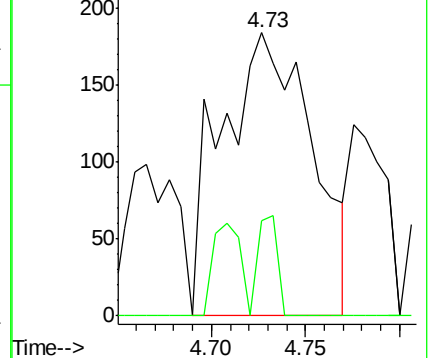
43 100

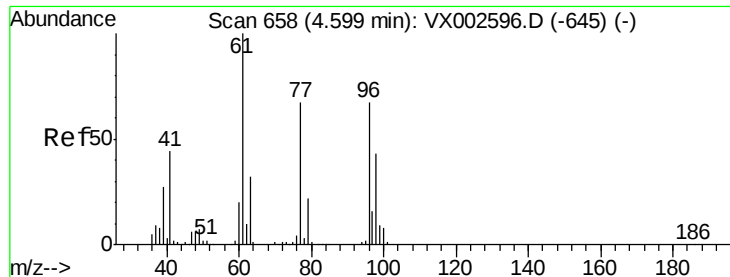
72 33.7 18.5 27.7#



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: 2.05 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

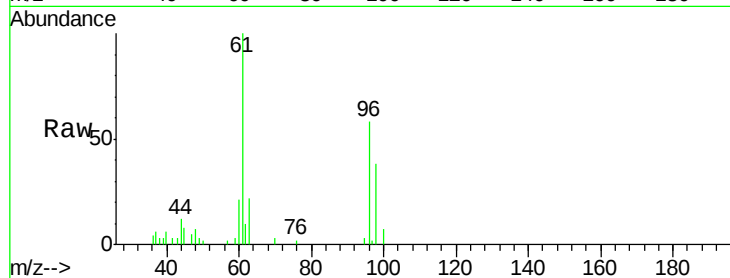
Tot Ion: 96 Resp: 5290

Ion Ratio Lower Upper

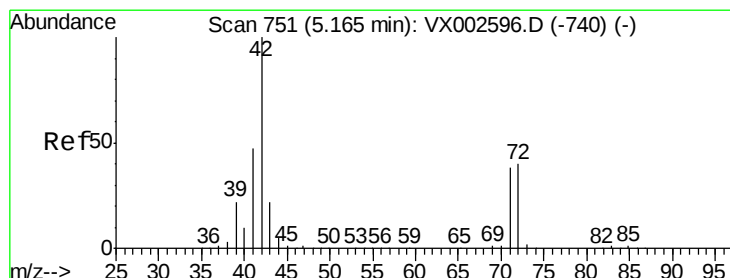
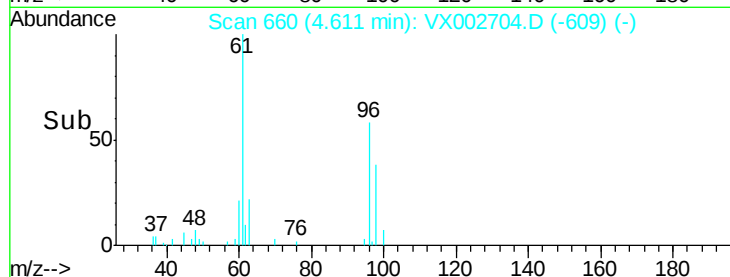
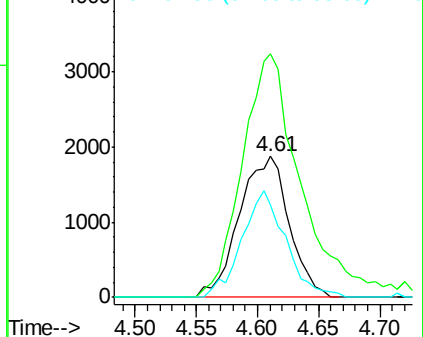
96 100

61 204.7 0.0 330.2

98 67.0 0.0 130.2



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



#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

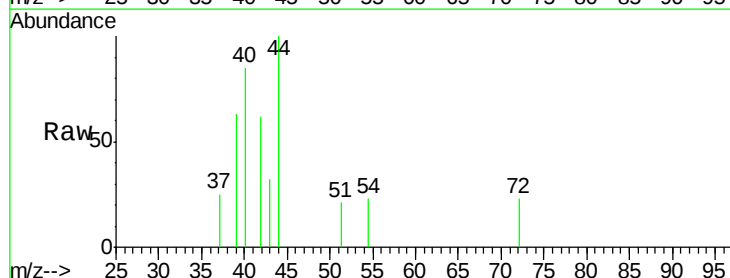
Tgt Ion: 42 Resp: 492

Ion Ratio Lower Upper

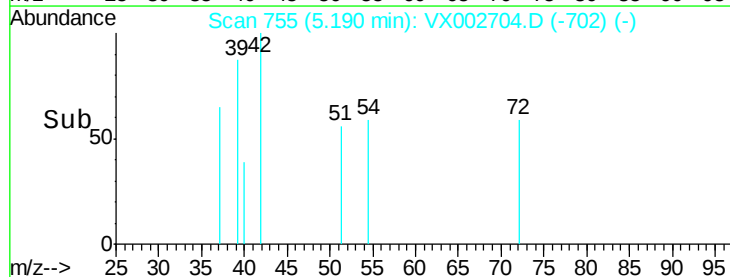
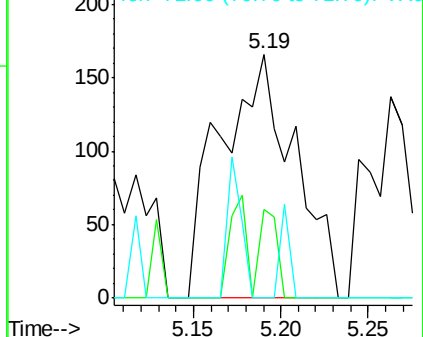
42 100

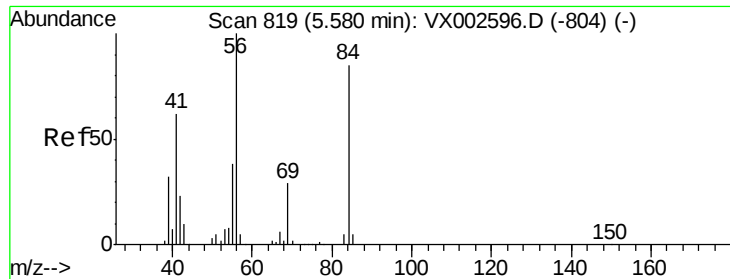
72 8.5 32.0 48.0#

71 4.7 30.1 45.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

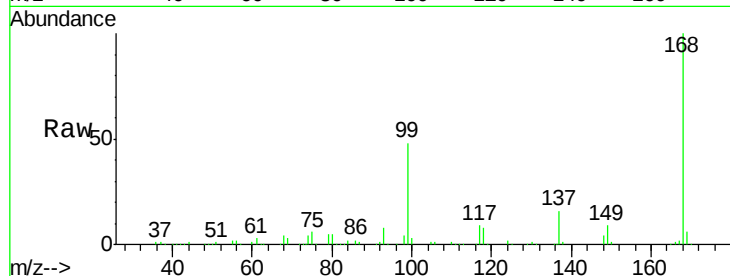




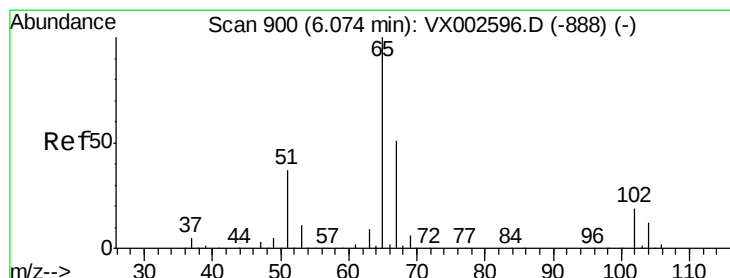
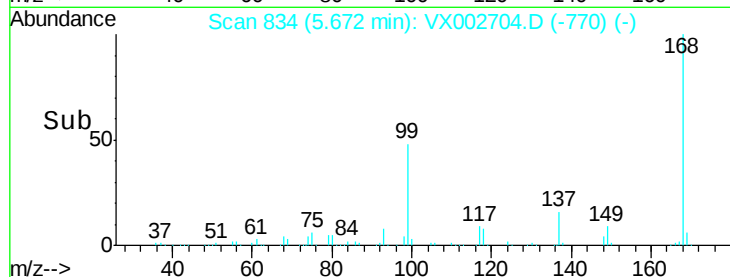
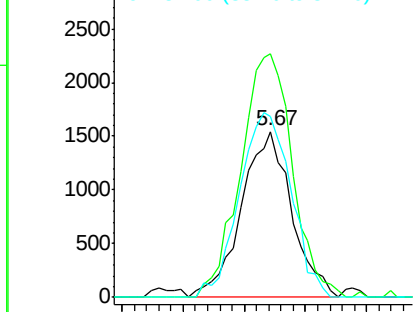
#31
Cyclohexane
Concen: 1.17 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX002704.D
Acq: 19 Jun 2018 03:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4389
Ion Ratio Lower Upper
56 100
69 146.7 23.7 35.5#
84 108.7 64.1 96.1#

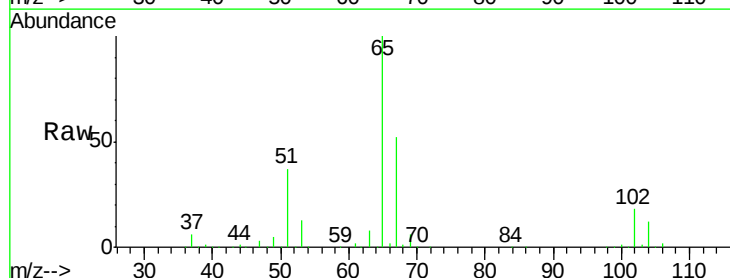


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

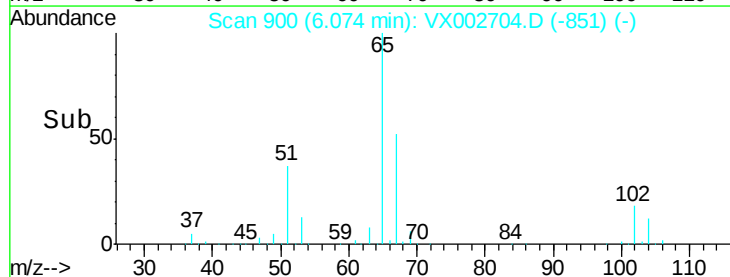
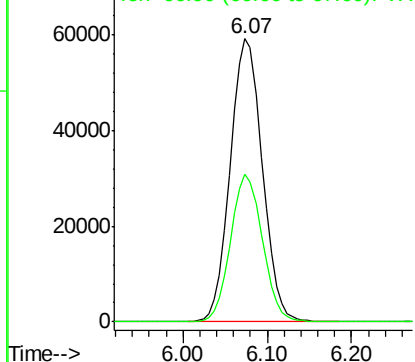


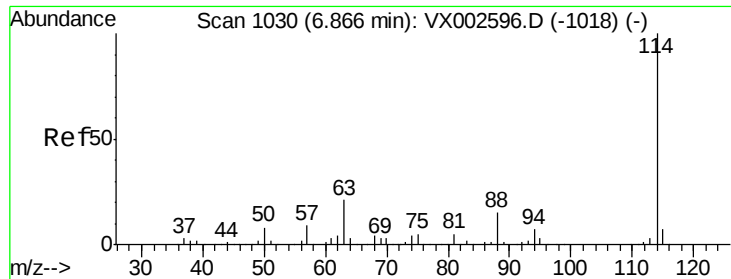
#33
1,2-Dichloroethane-d4
Concen: 48.16 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002704.D
Acq: 19 Jun 2018 03:14

Tgt Ion: 65 Resp: 153113
Ion Ratio Lower Upper
65 100
67 51.8 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: VX002704.D

Acq: 19 Jun 2018 03:14

Instrument :
MSVOA_X
ClientSampleId :

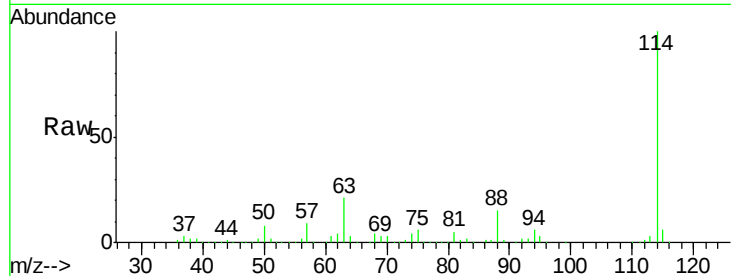
Tot Ion:114 Resp: 292844

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

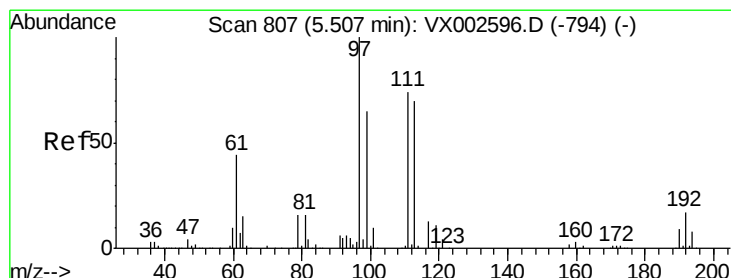
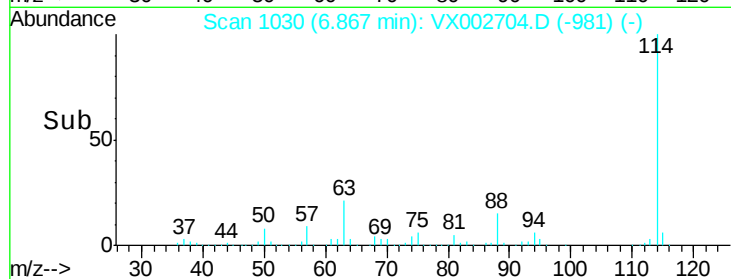
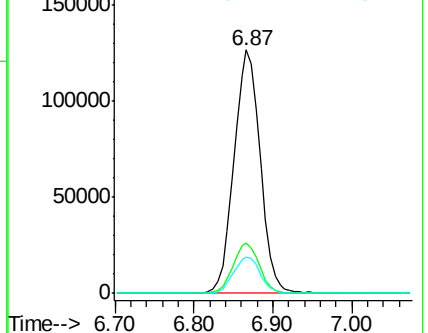
88 15.0 0.0 30.0



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: 51.71 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

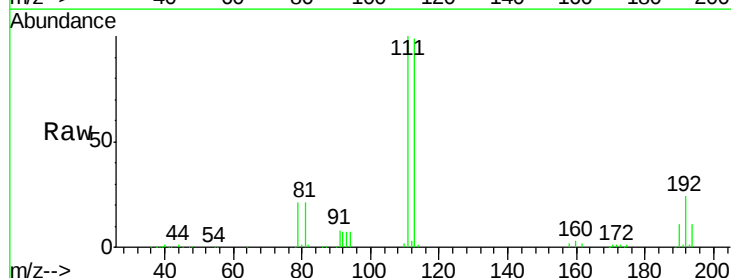
Tgt Ion:113 Resp: 120851

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

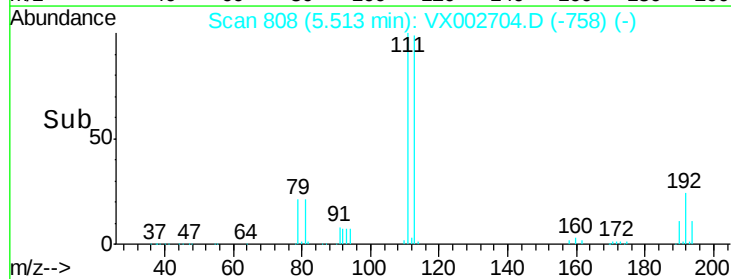
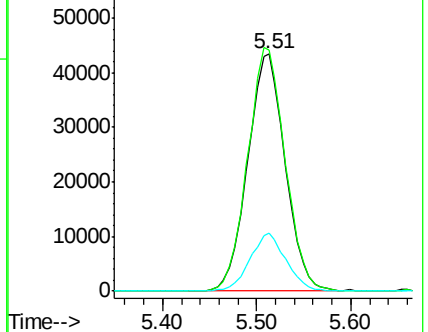
192 23.8 19.1 28.7

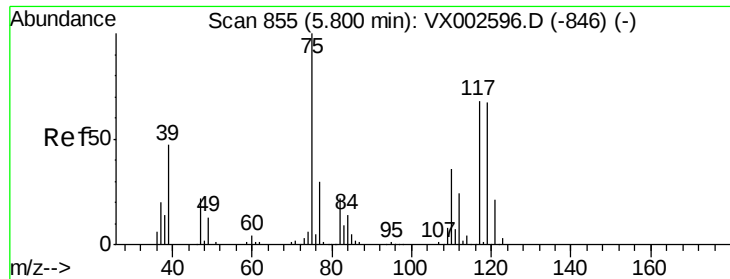


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

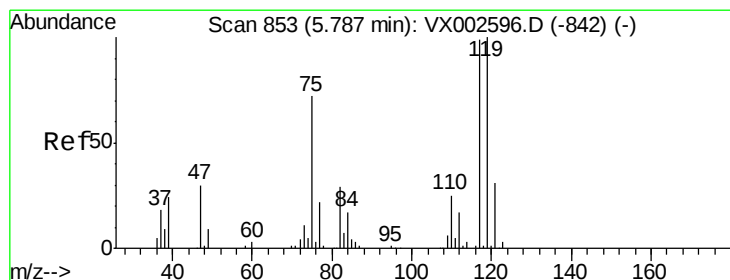
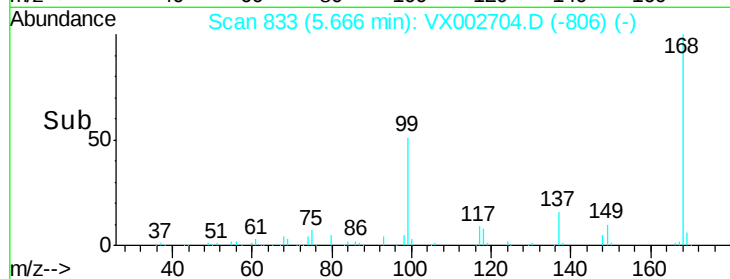
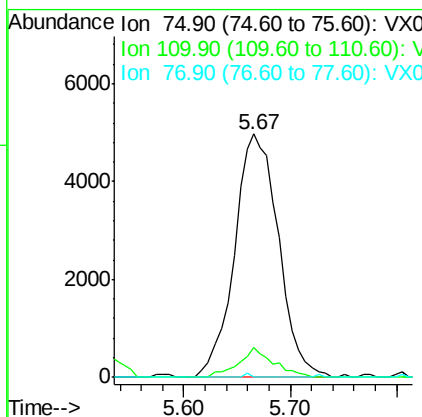
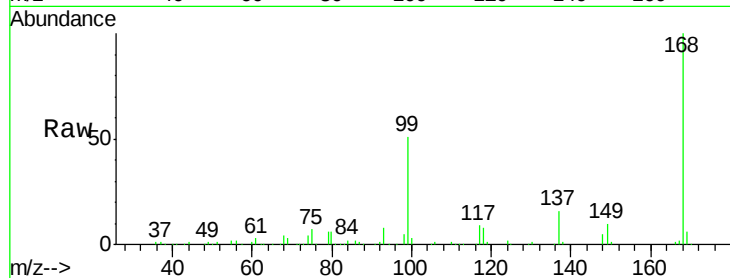




#36
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002704.D
 Acq: 19 Jun 2018 03:14

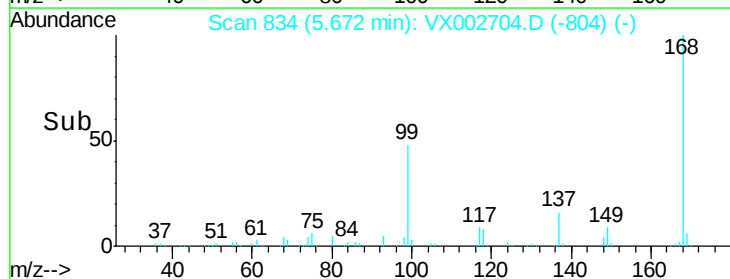
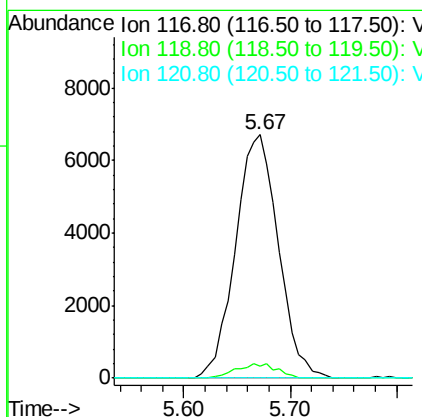
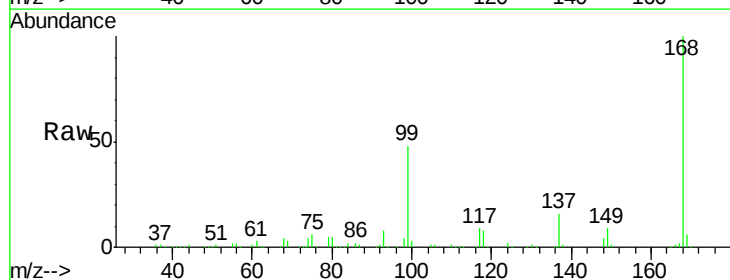
Instrument :
 MSVOA_X
 ClientSampleId :

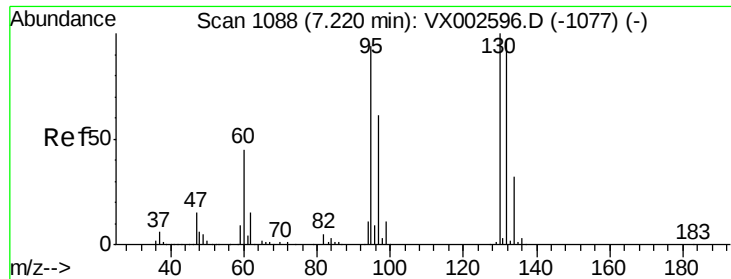
Tot Ion	75	Resp	14364
Ion Ratio	Lower	Upper	
75	100		
110	9.7	18.1	54.4#
77	0.2	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.11 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002704.D
 Acq: 19 Jun 2018 03:14

Tgt Ion	117	Resp	18928
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.4	116.0#
121	0.0	24.4	36.6#

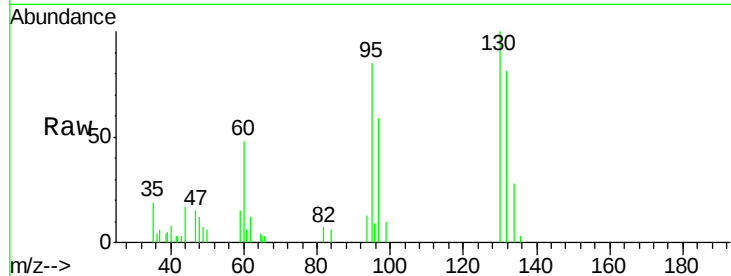




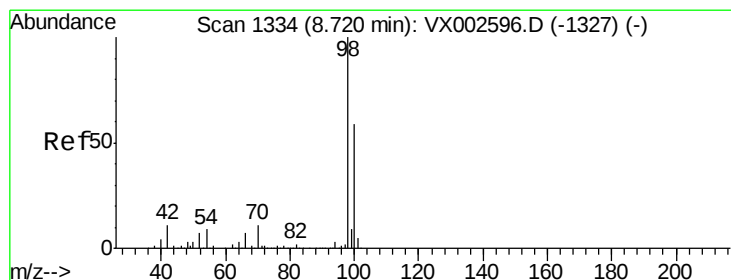
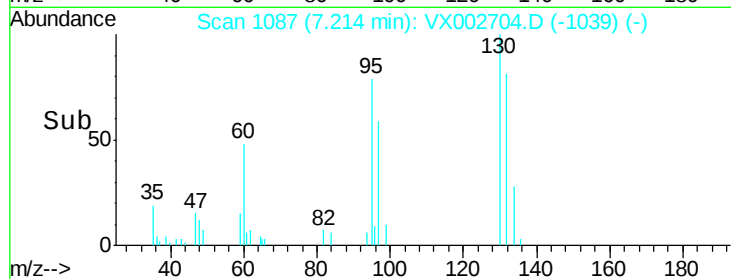
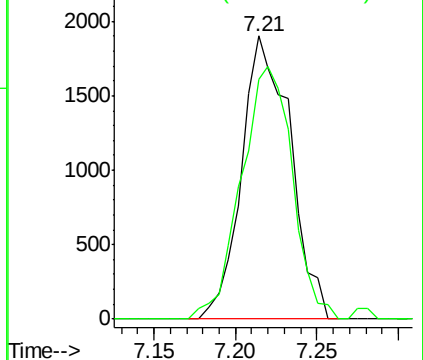
#44
 Trichloroethene
 Concen: 1.47 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002704.D
 Acq: 19 Jun 2018 03:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:130 Resp: 3955
 Ion Ratio Lower Upper
 130 100
 95 85.0 0.0 185.4

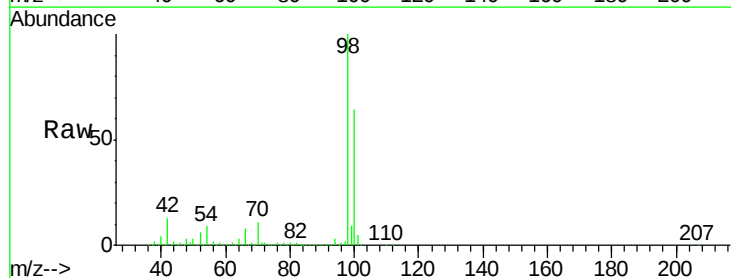


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

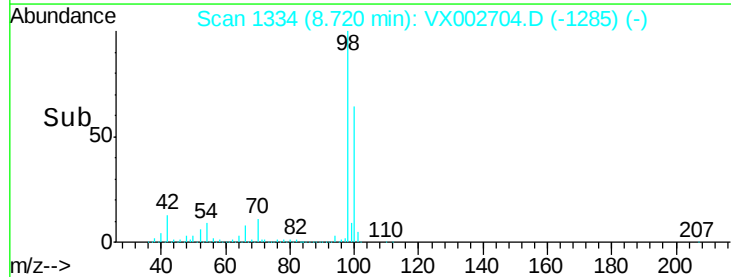
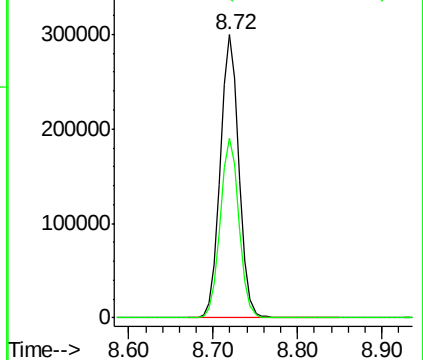


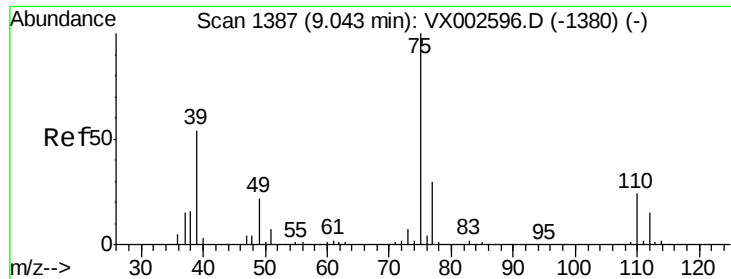
#50
 Toluene-d8
 Concen: 51.76 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002704.D
 Acq: 19 Jun 2018 03:14

Tgt Ion: 98 Resp: 459318
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.9 76.3



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



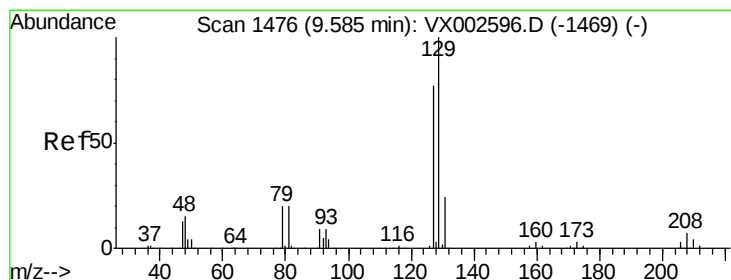
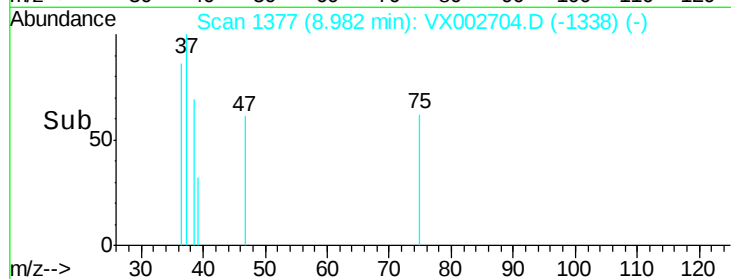
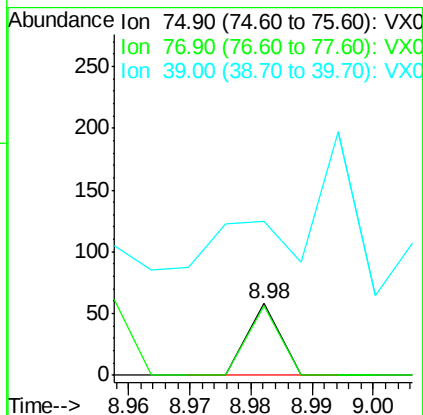
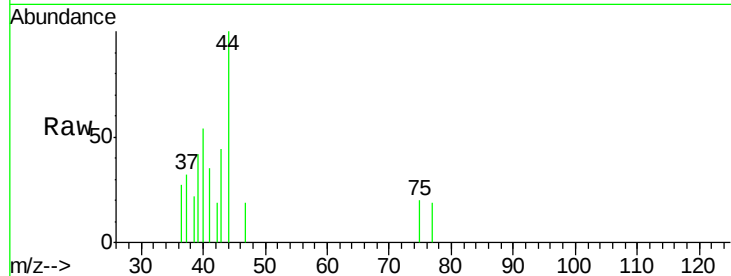


#54

cis-1,3-Dichloropropene
 Concen: 3.22 ug/l
 RT: 8.98 min Scan# 1377
 Delta R.T. -0.06 min
 Lab File: VX002704.D
 Acq: 19 Jun 2018 03:14

Instrument :
 MSVOA_X
 ClientSampled :

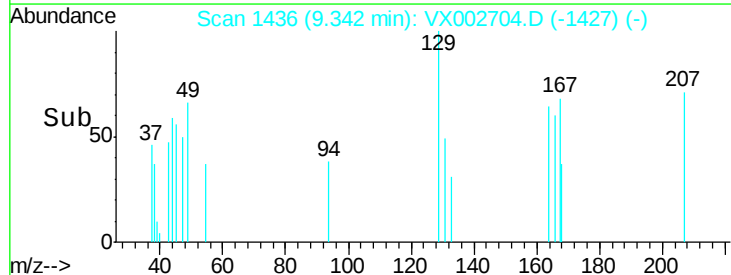
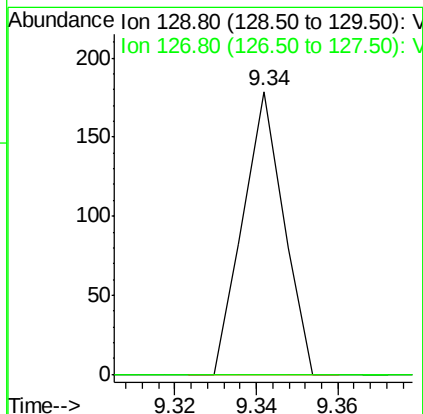
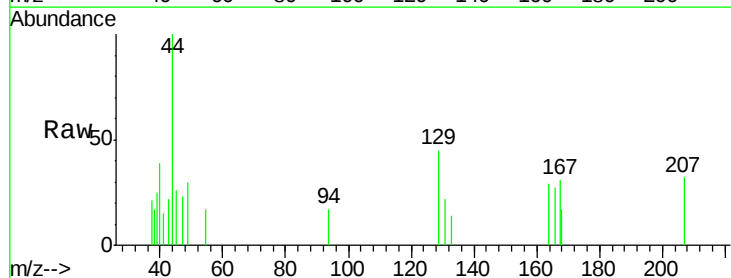
Tot Ion	Ratio	Lower	Upper
75	100		
77	96.6	24.8	37.2#
39	65.5	42.4	63.6#

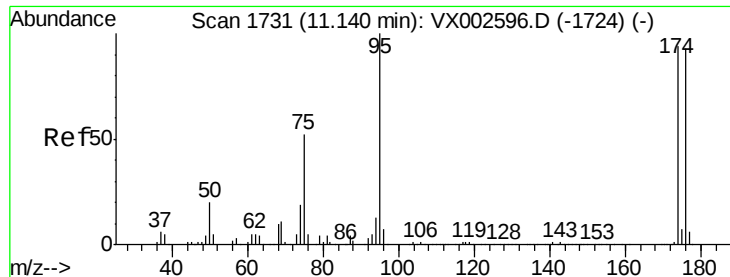


#60

Dibromochloromethane
 Concen: 3.80 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.24 min
 Lab File: VX002704.D
 Acq: 19 Jun 2018 03:14

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

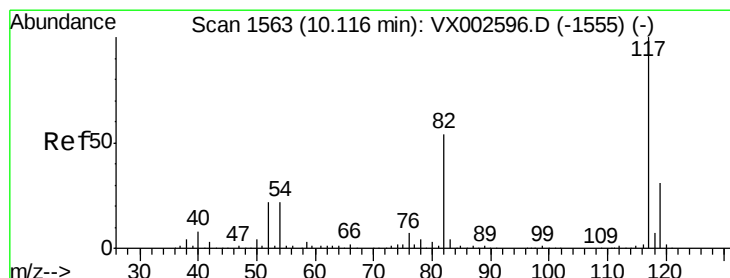
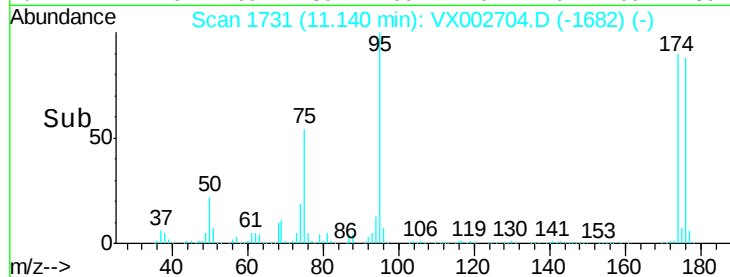
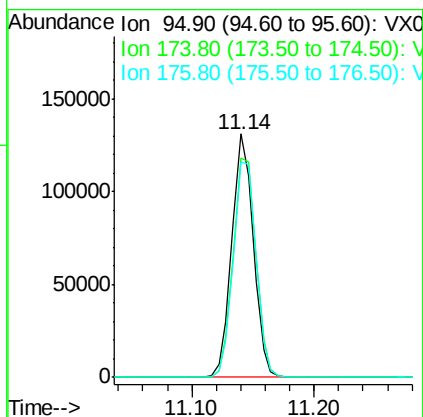
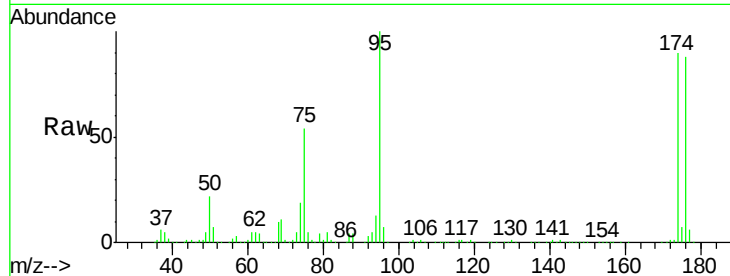




#62
4-Bromofluorobenzene
Concen: 47.18 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002704.D
Acq: 19 Jun 2018 03:14

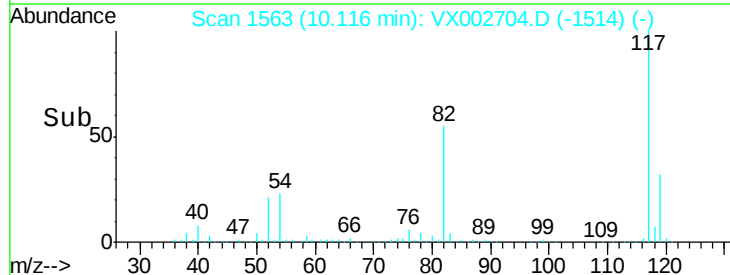
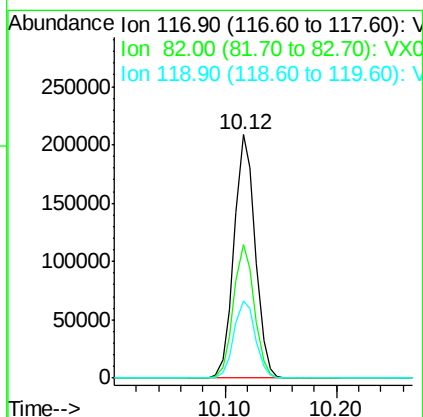
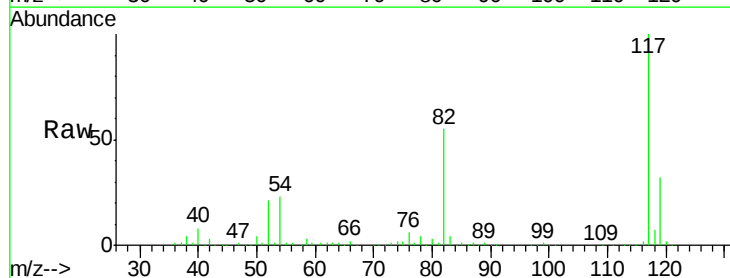
Instrument :
MSVOA_X
ClientSampleId :

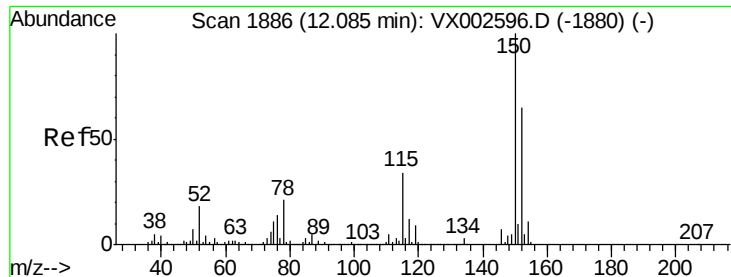
Tot Ion: 95 Resp: 158637
Ion Ratio Lower Upper
95 100
174 96.0 0.0 187.4
176 94.1 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002704.D
Acq: 19 Jun 2018 03:14

Tgt Ion: 117 Resp: 274937
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 31.6 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: VX002704.D

Acq: 19 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

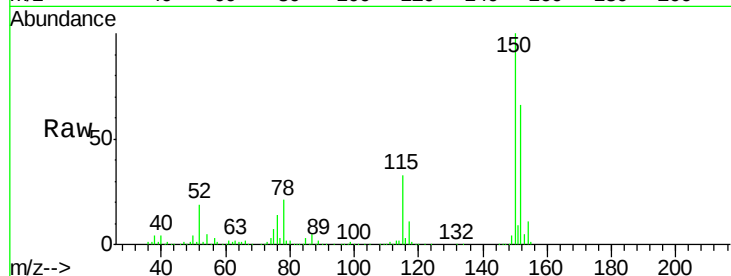
Tot Ion:152 Resp: 153403

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

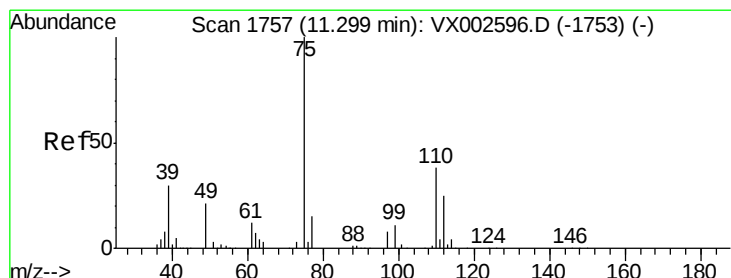
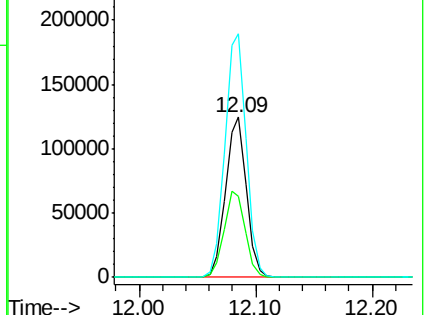
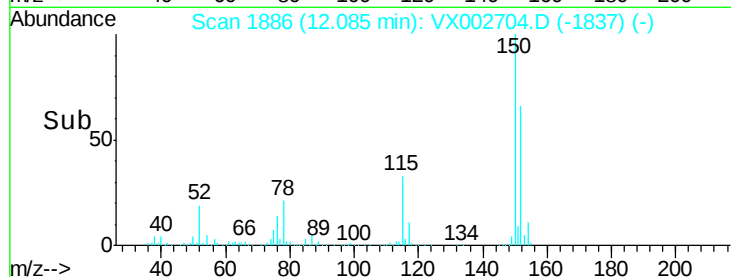
150 155.7 0.0 347.2



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: 29.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002704.D

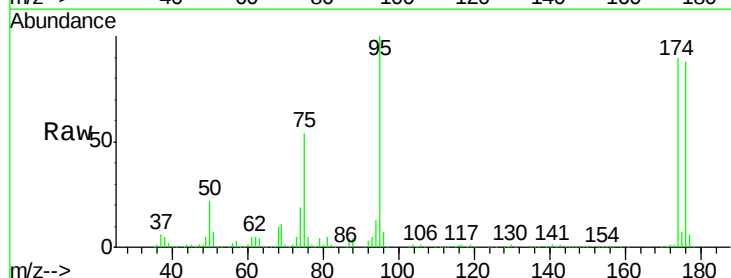
Acq: 19 Jun 2018 03:14

Tgt Ion: 75 Resp: 84977

Ion Ratio Lower Upper

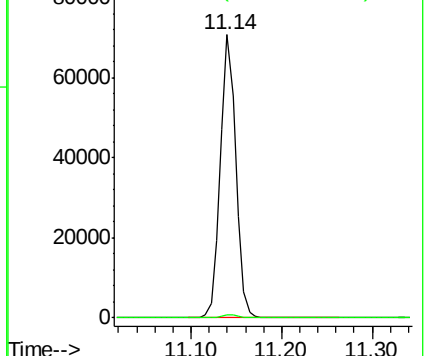
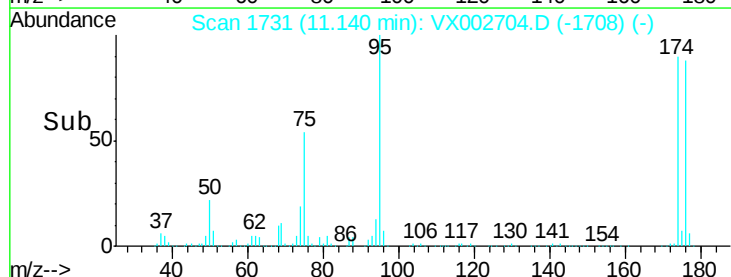
75 100

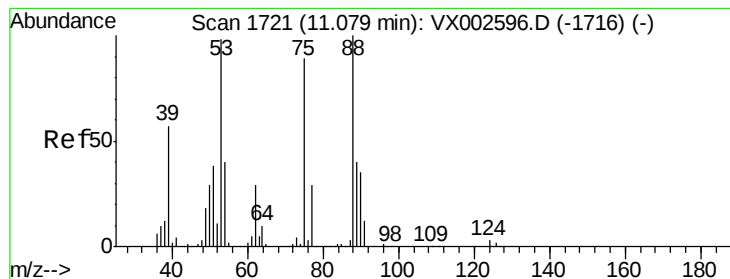
77 1.2 22.8 68.3#



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: 90.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002704.D

Acq: 19 Jun 2018 03:14

Instrument :

MSVOA_X

ClientSampleId :

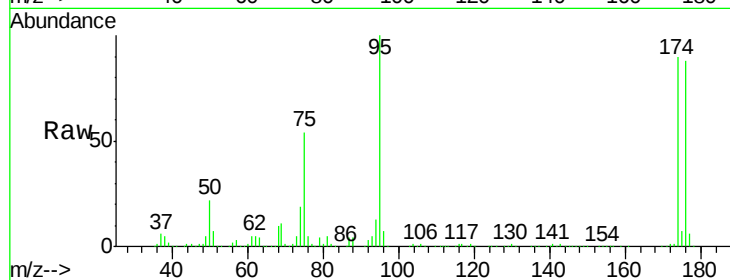
Tot Ion: 75 Resp: 84977

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

