

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000594.D
 Acq On : 31 Mar 2018 15:43
 Operator : JC/MD
 Sample : J1752-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:17:47 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	125929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	212999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	85675	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	5.51	113	65935	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.73	98	269448	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	11.15	95	95852	41.94	ug/l	0.00
Spiked Amount			Recovery	=	83.88%	

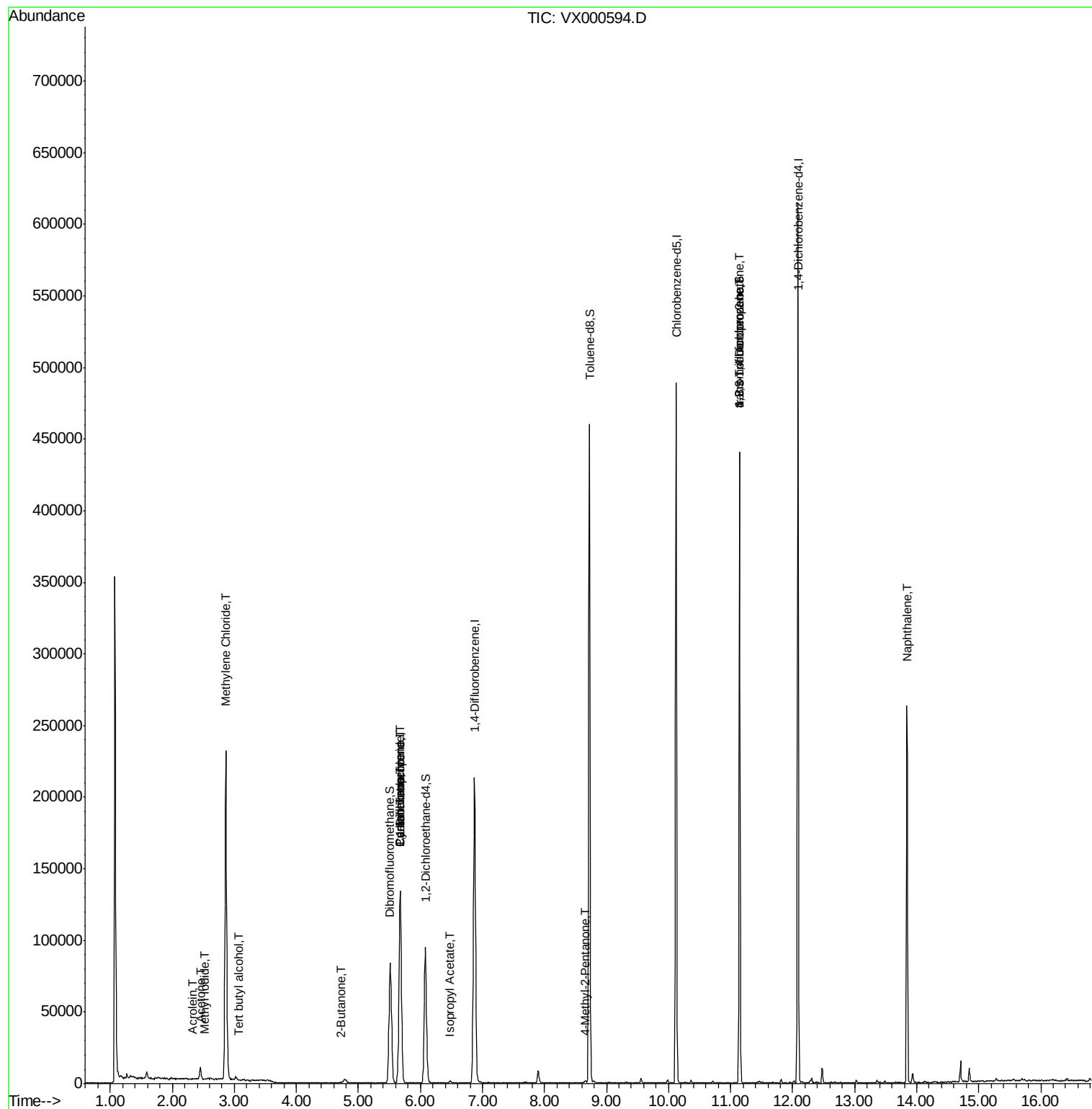
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	278	Below Cal	#	44
10) Methyl Iodide	2.53	142	92	4.330	ug/l #	4
11) Tert butyl alcohol	3.07	59	150	0.265	ug/l #	72
13) Acrolein	2.31	56	24	14.703	ug/l #	1
14) Allyl chloride	2.73	41	155	Below Cal	#	78
16) Acetone	2.45	43	8632	6.312	ug/l	93
20) Methylene Chloride	2.86	84	101153	64.044	ug/l	97
25) 2-Butanone	4.71	43	1187	0.772	ug/l #	69
31) Cyclohexane	5.67	56	3140	1.514	ug/l #	50
36) 1,1-Dichloropropene	5.68	75	10076	5.050	ug/l #	53
38) Carbon Tetrachloride	5.68	117	12614	6.026	ug/l #	16
43) Isopropyl Acetate	6.48	43	1640	0.404	ug/l #	89
51) 4-Methyl-2-Pentanone	8.66	43	1395	0.444	ug/l #	64
74) N-amyl acetate	6.48	43	1640	Below Cal	#	92
76) 1,2,3-Trichloropropane	11.15	75	55278	22.703	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	55278	73.501	ug/l #	9
95) Naphthalene	13.84	128	153882	16.623	ug/l	100

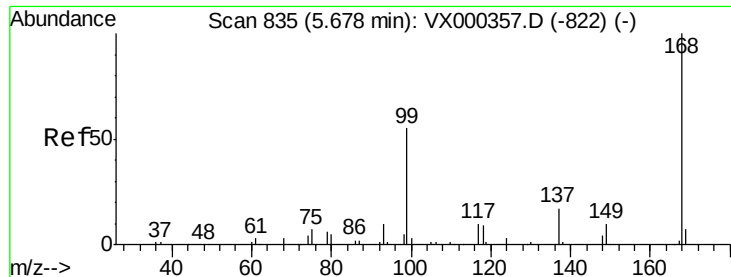
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

Instrument :

MSVOA_X

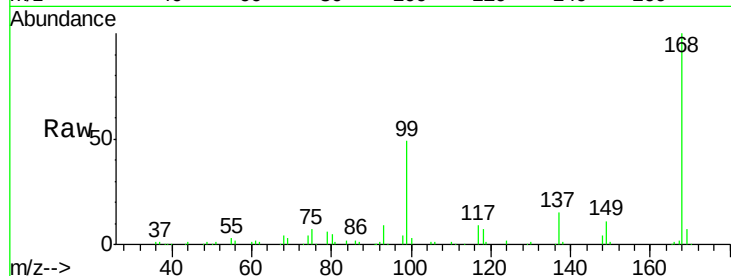
ClientSampleId :

Tot Ion:168 Resp: 125929

Ion Ratio Lower Upper

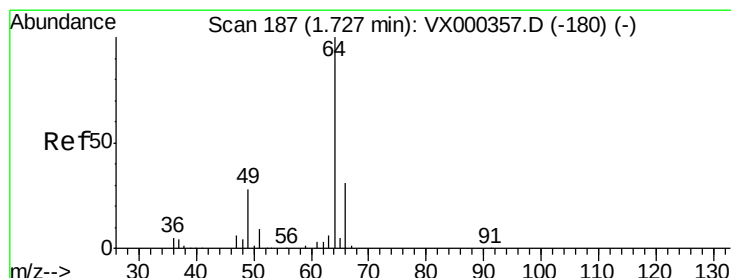
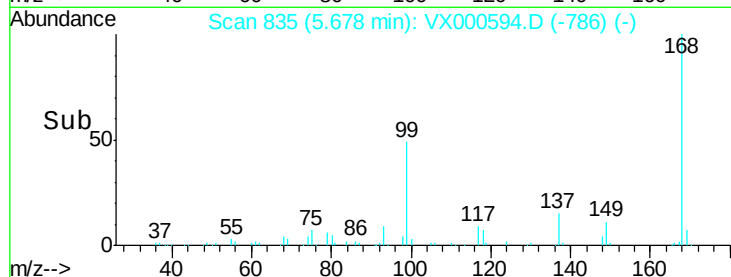
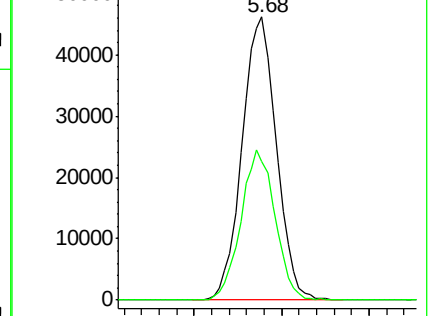
168 100

99 49.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000594.D

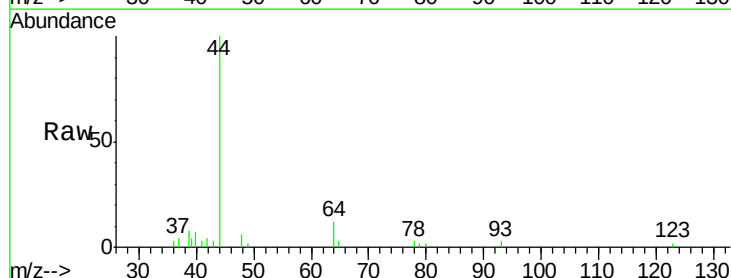
Acq: 31 Mar 2018 15:43

Tgt Ion: 64 Resp: 278

Ion Ratio Lower Upper

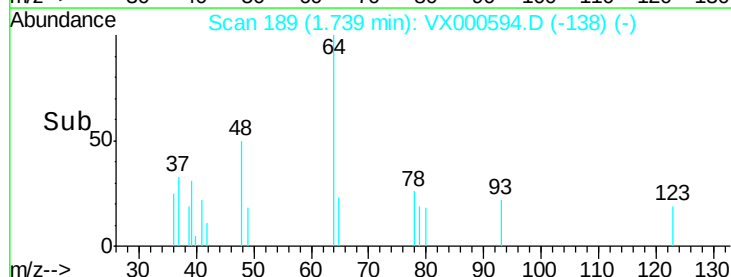
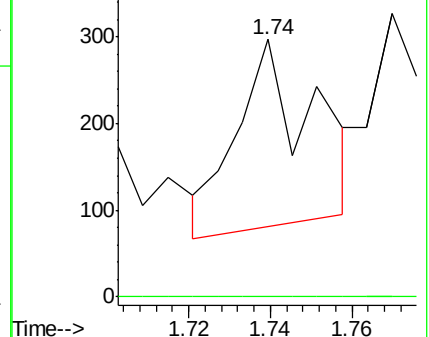
64 100

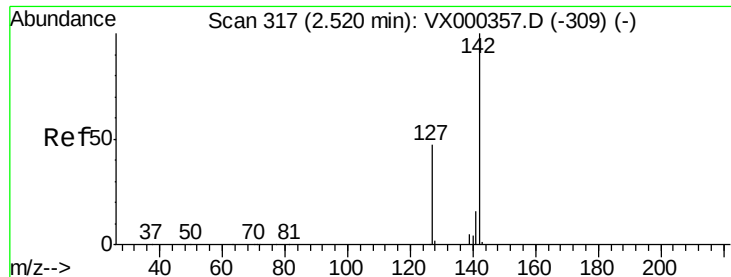
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

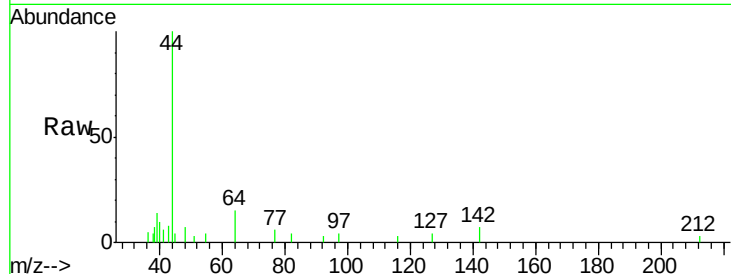




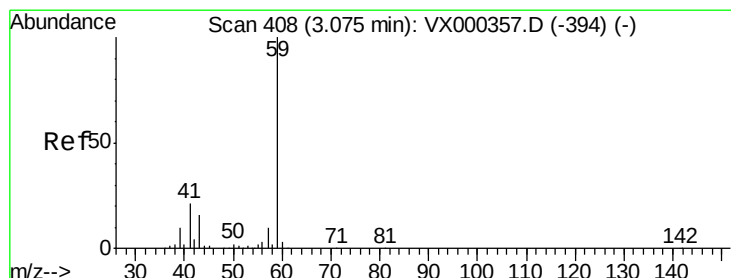
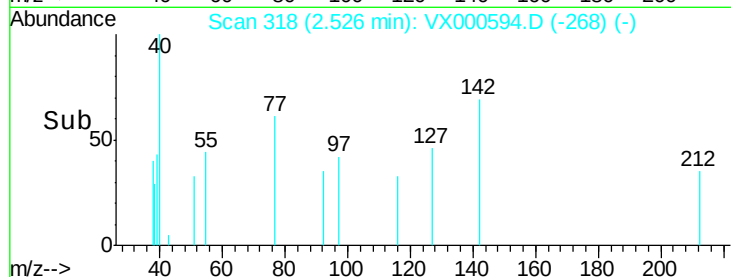
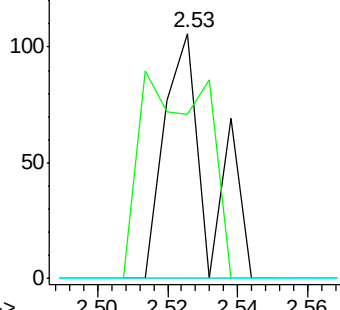
#10
Methvl Iodide
Concen: 4.330 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 127.2 39.2 58.8#
141 0.0 11.7 17.5#

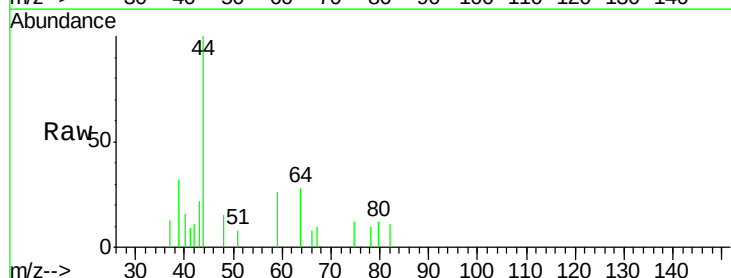


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

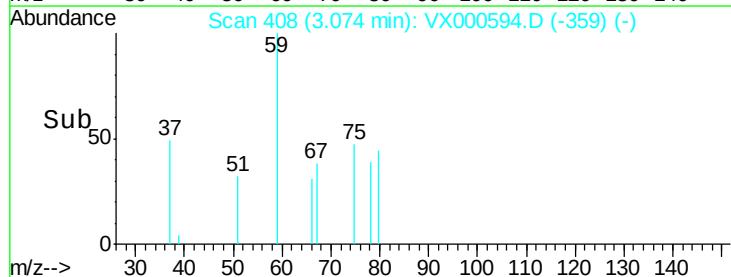
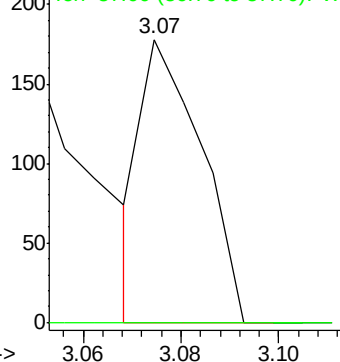


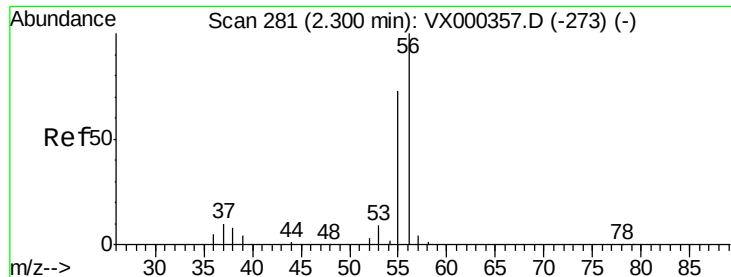
#11
Tert butyl alcohol
Concen: 0.265 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.703 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

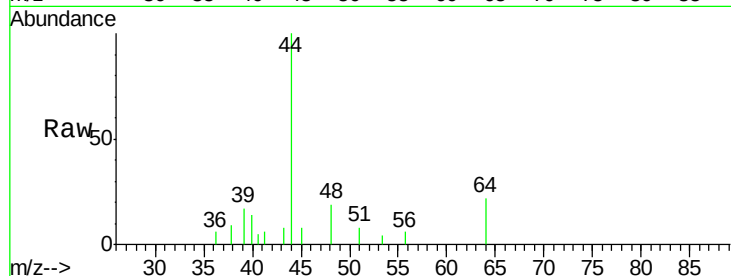
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 225.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

100

80

60

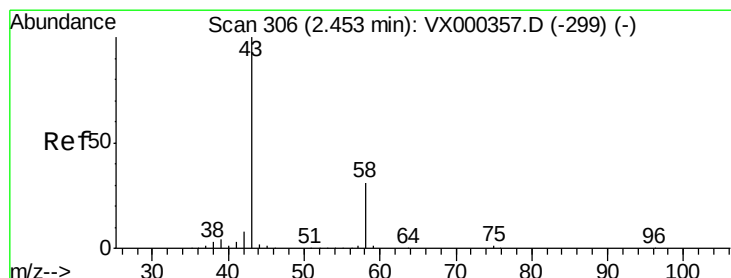
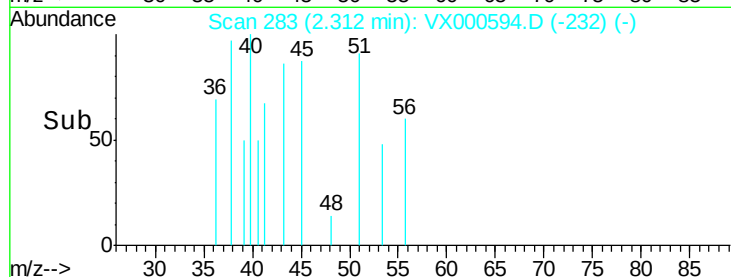
40

20

0

2.29 2.30 2.31 2.32 2.33

Time-->



#16

Acetone

Concen: 6.312 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000594.D

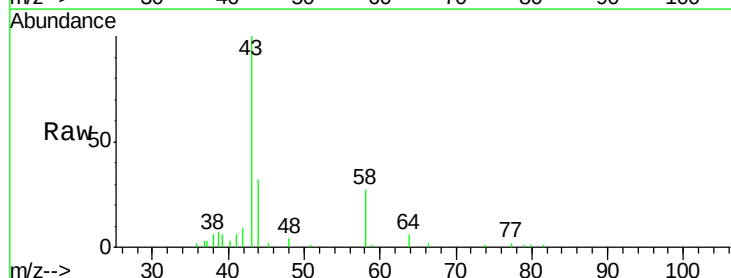
Acq: 31 Mar 2018 15:43

Tgt Ion: 43 Resp: 8632

Ion Ratio Lower Upper

43 100

58 27.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

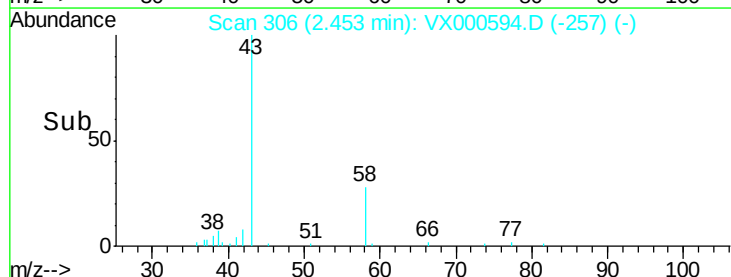
2000

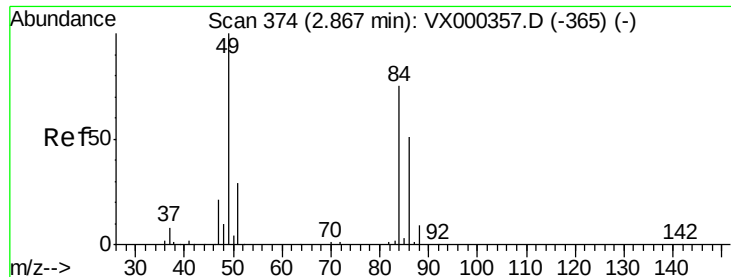
1000

0

2.40 2.45 2.50

Time-->

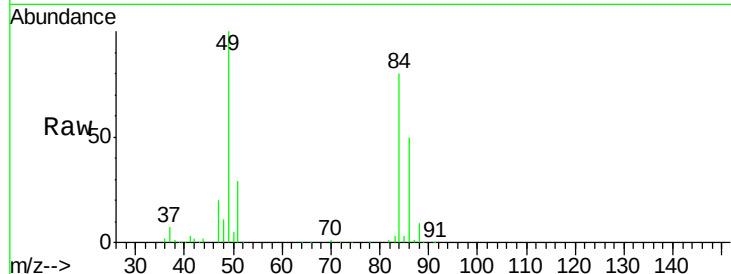




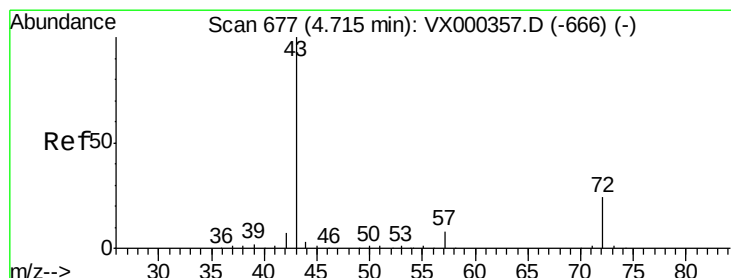
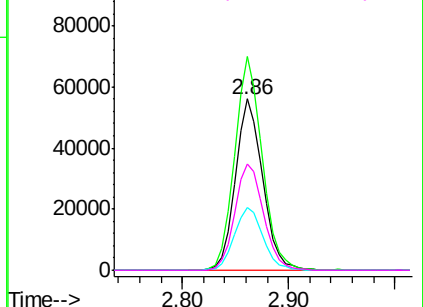
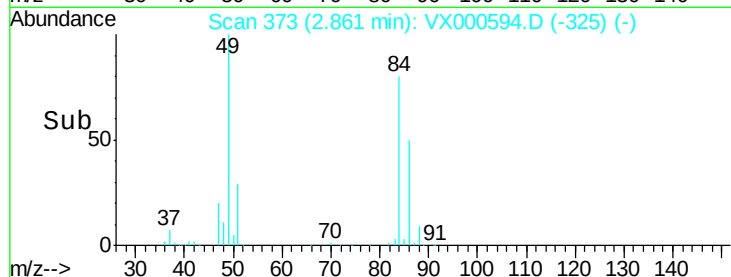
#20
Methylene Chloride
Concen: 64.044 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 101153
Ion Ratio Lower Upper
84 100
49 124.7 100.6 151.0
51 36.7 31.6 47.4
86 62.1 52.6 78.8

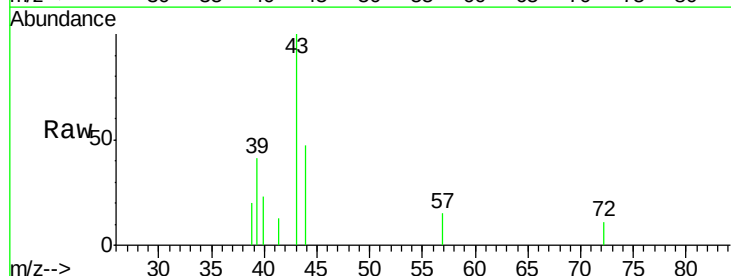


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

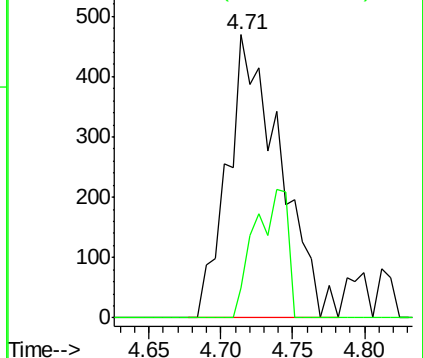
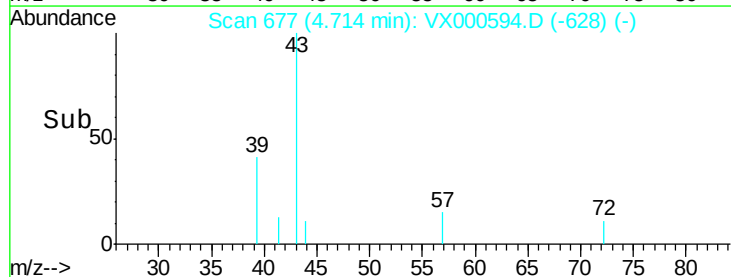


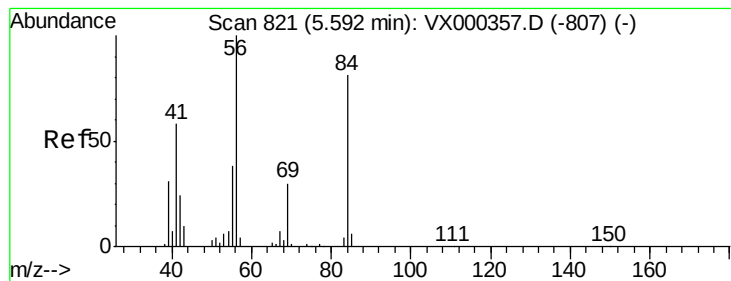
#25
2-Butanone
Concen: 0.772 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Tgt Ion: 43 Resp: 1187
Ion Ratio Lower Upper
43 100
72 10.7 21.0 31.6#



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





#31

Cyclohexane

Concen: 1.514 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

Instrument :

MSVOA_X

ClientSampled :

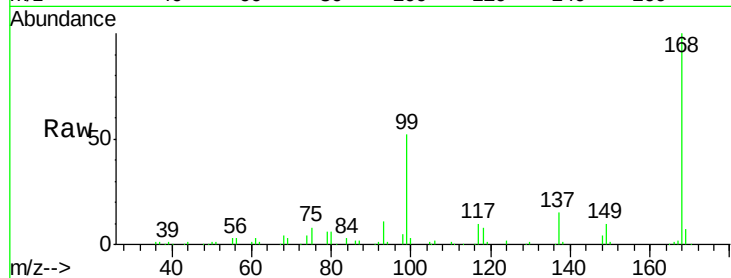
Tot Ion: 56 Resp: 3140

Ion Ratio Lower Upper

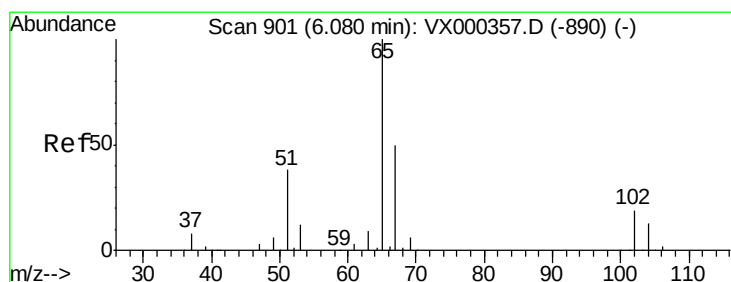
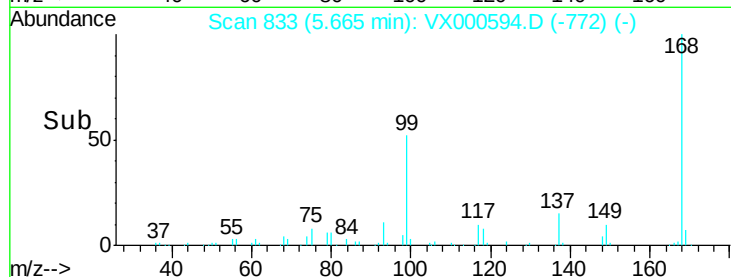
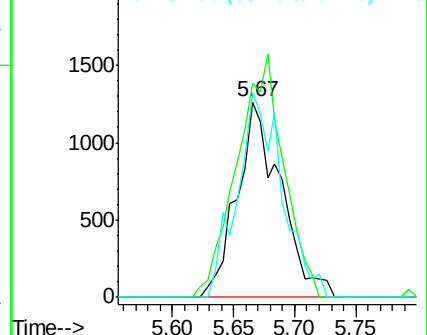
56 100

69 109.7 23.4 35.0#

84 104.9 71.0 106.4



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



#33

1,2-Dichloroethane-d4

Concen: 52.120 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000594.D

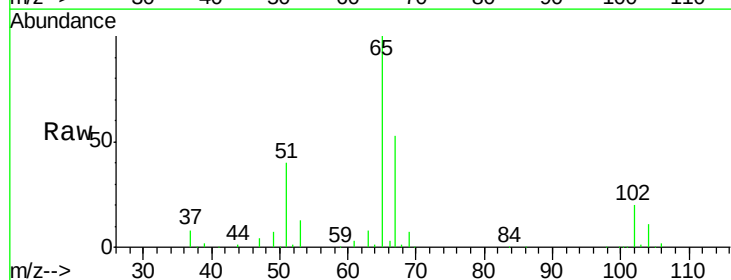
Acq: 31 Mar 2018 15:43

Tgt Ion: 65 Resp: 85675

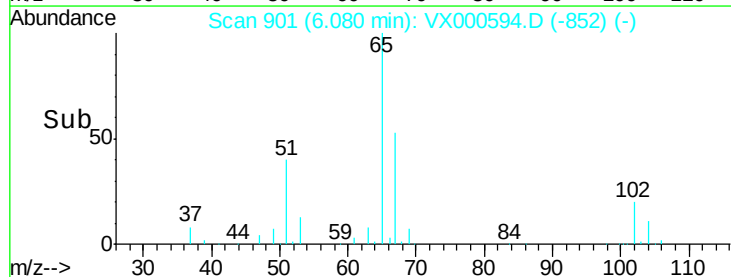
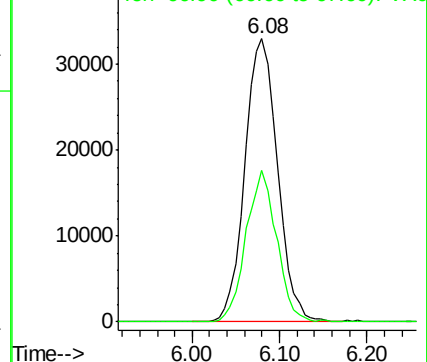
Ion Ratio Lower Upper

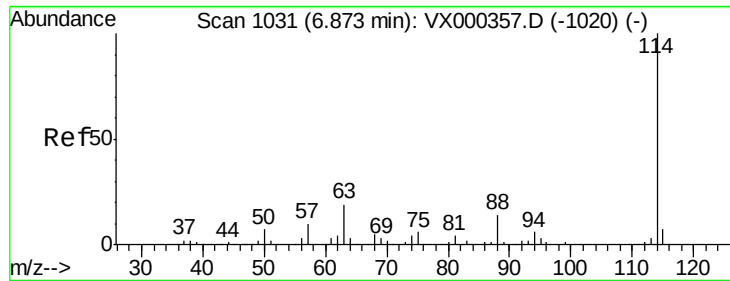
65 100

67 50.0 0.0 103.2



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

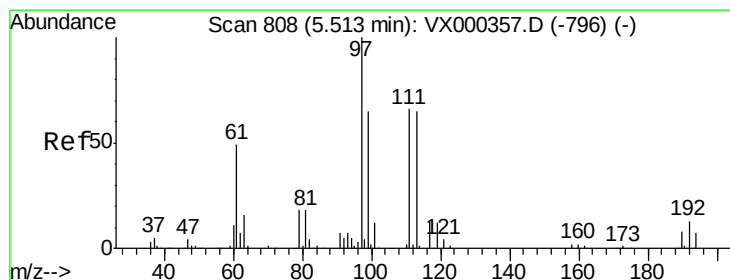
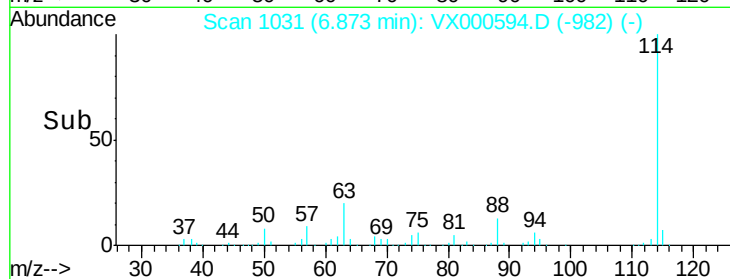
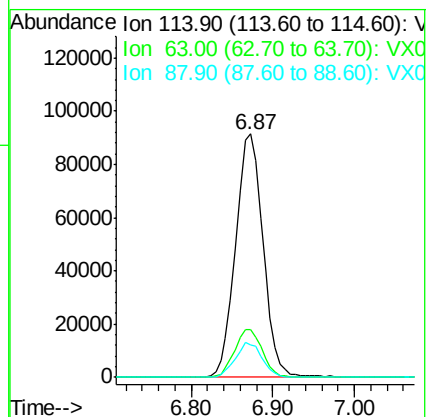
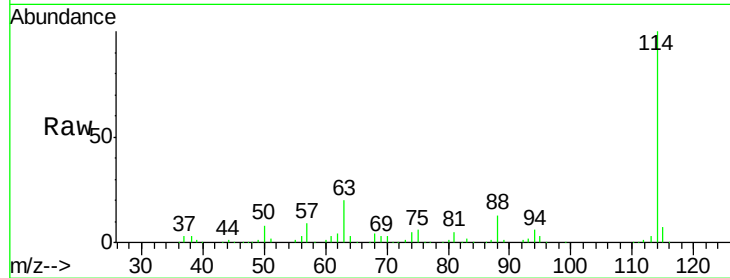




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

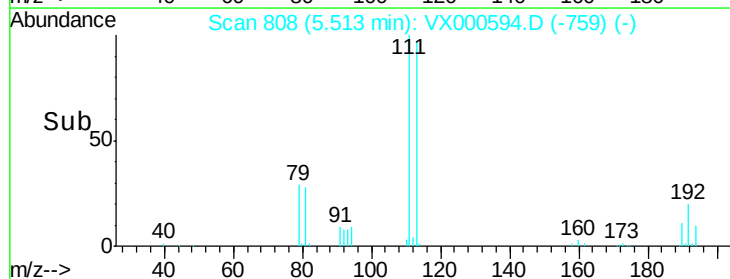
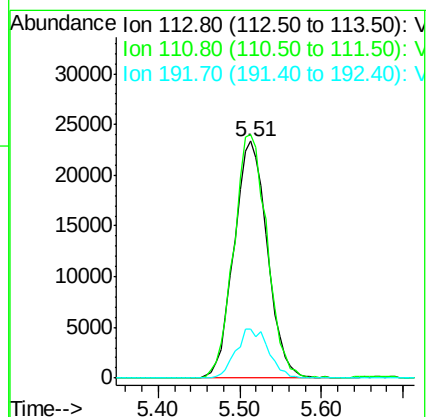
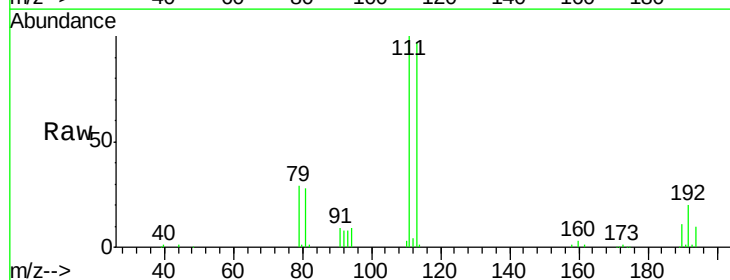
Instrument :
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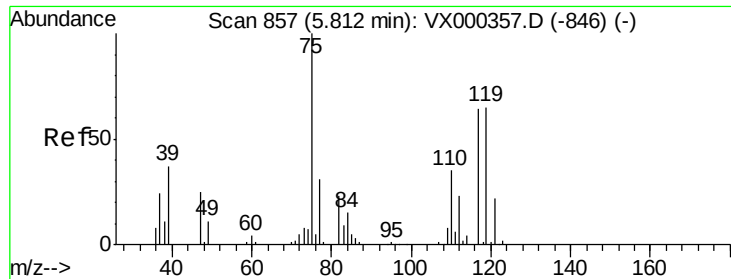
Tot Ion:114 Resp: 212999
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 13.1 0.0 27.0



#35
Dibromofluoromethane
Concen: 49.129 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Tgt Ion:113 Resp: 65935
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 20.5 15.8 23.6

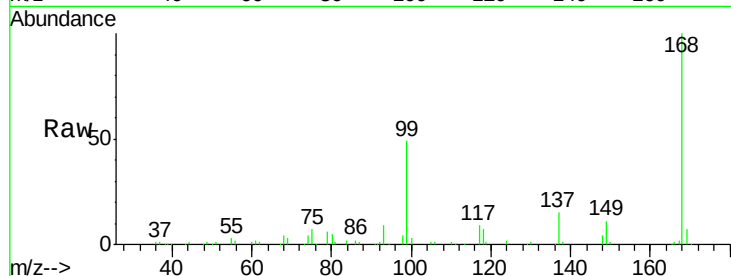




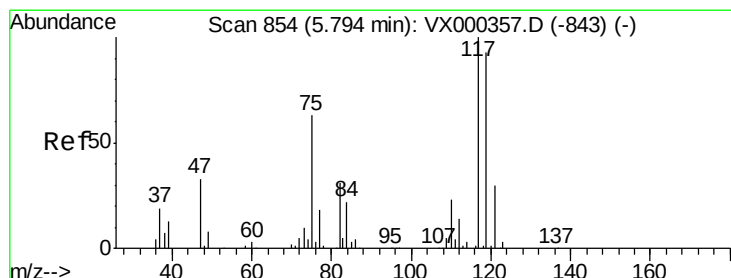
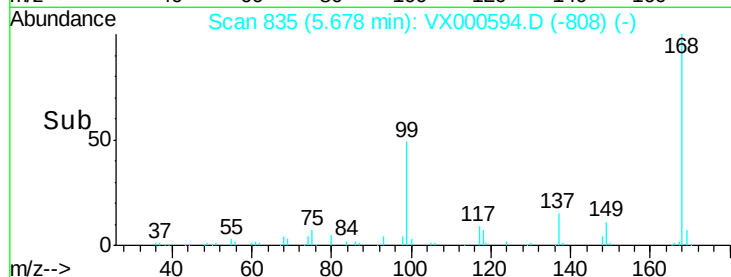
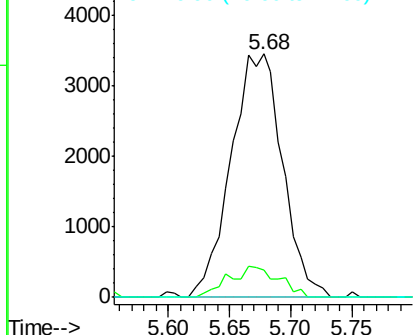
#36
 1,1-Dichloropropene
 Concen: 5.050 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000594.D
 Acq: 31 Mar 2018 15:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 10076
 Ion Ratio Lower Upper
 75 100
 110 12.4 17.9 53.7#
 77 0.0 24.0 36.0#

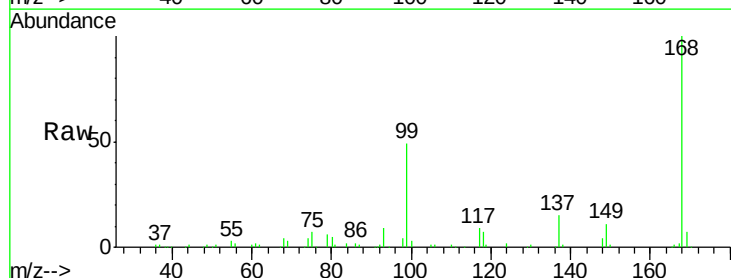


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

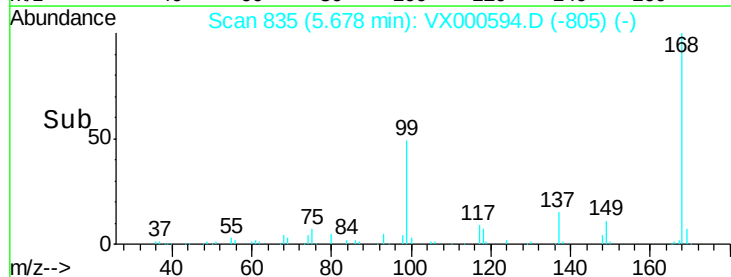
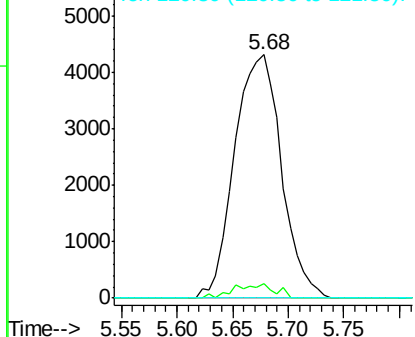


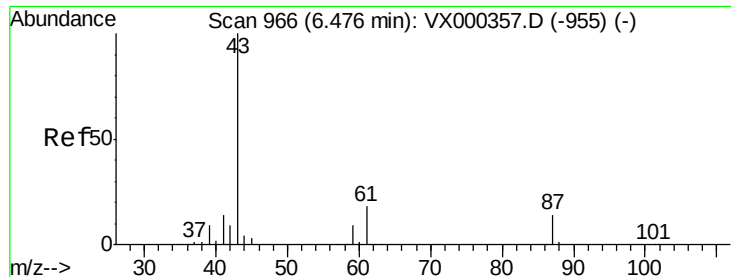
#38
 Carbon Tetrachloride
 Concen: 6.026 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000594.D
 Acq: 31 Mar 2018 15:43

Tgt Ion: 117 Resp: 12614
 Ion Ratio Lower Upper
 117 100
 119 6.2 77.4 116.2#
 121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.404 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

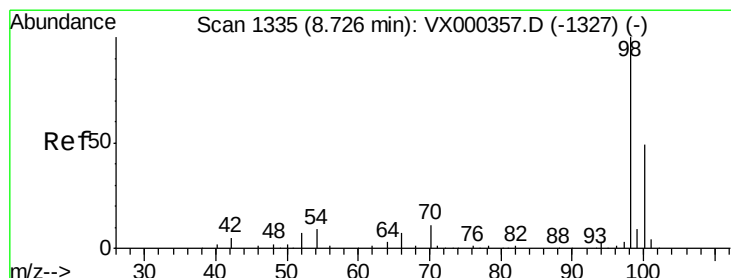
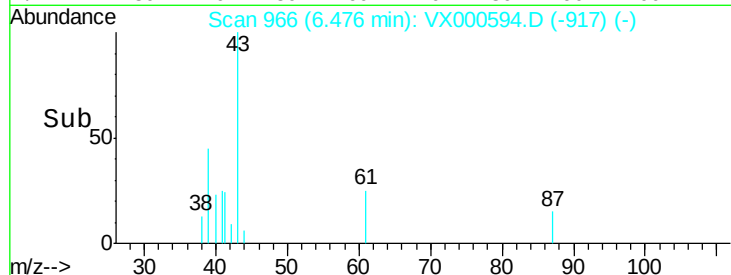
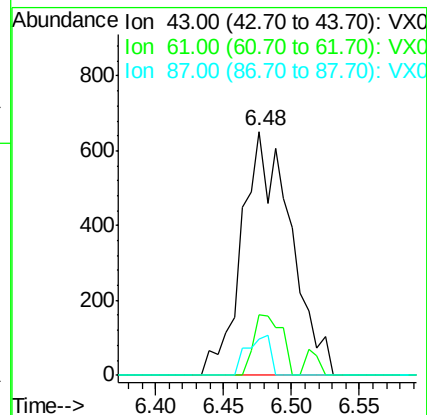
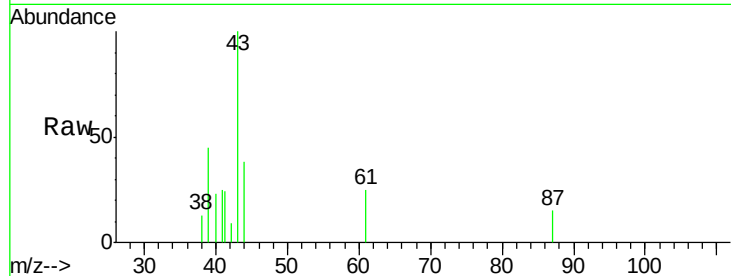
Tot Ion: 43 Resp: 1640

Ion Ratio Lower Upper

43 100

61 14.3 14.4 21.6#

87 7.7 11.0 16.4#



#50

Toluene-d8

Concen: 48.476 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000594.D

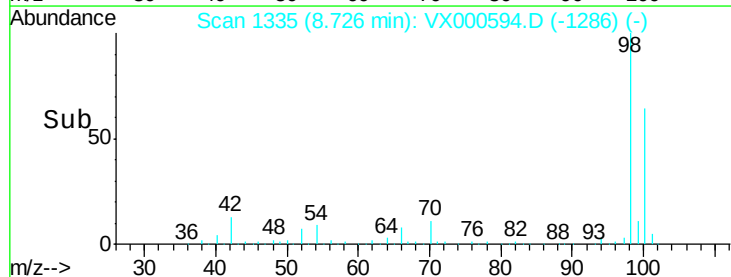
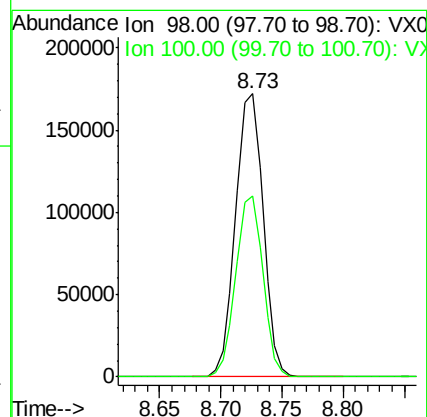
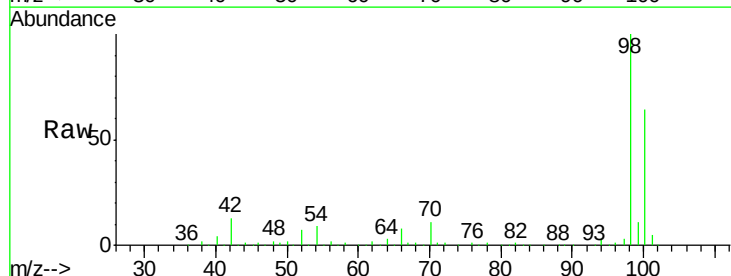
Acq: 31 Mar 2018 15:43

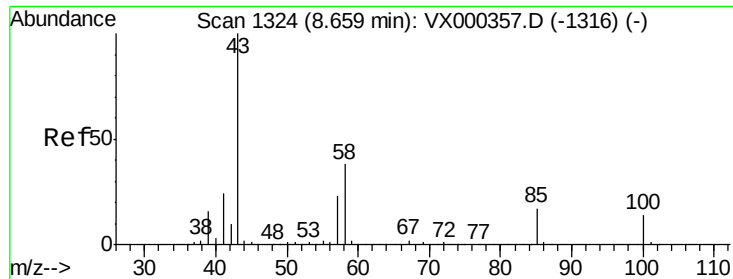
Tgt Ion: 98 Resp: 269448

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.444 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

Instrument :

MSVOA_X

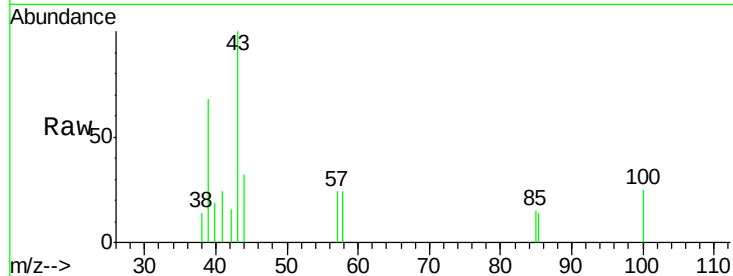
ClientSampled :

Tot Ion: 43 Resp: 1395

Ion Ratio Lower Upper

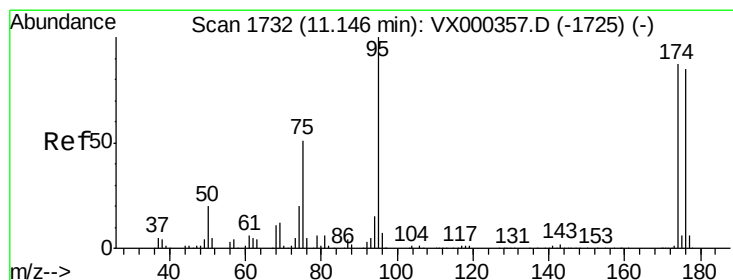
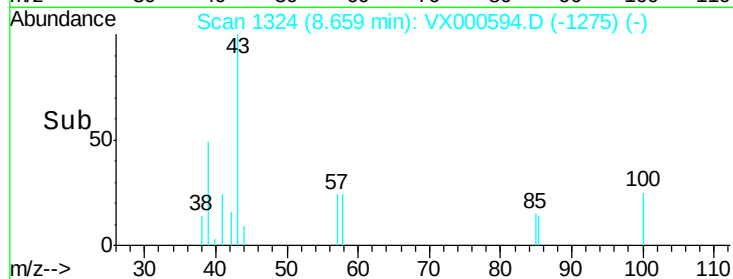
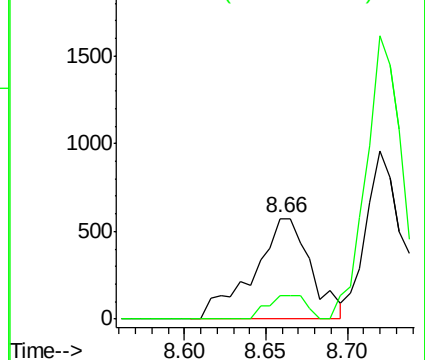
43 100

58 16.4 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 41.944 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

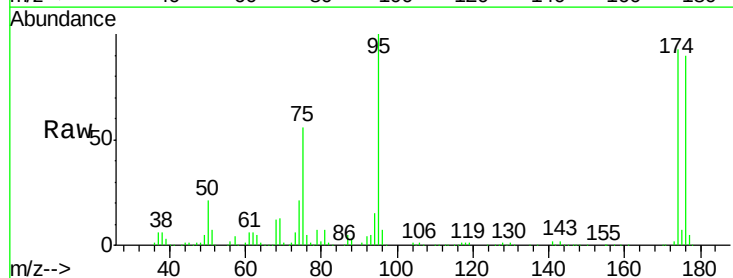
Tgt Ion: 95 Resp: 95852

Ion Ratio Lower Upper

95 100

174 90.4 0.0 173.6

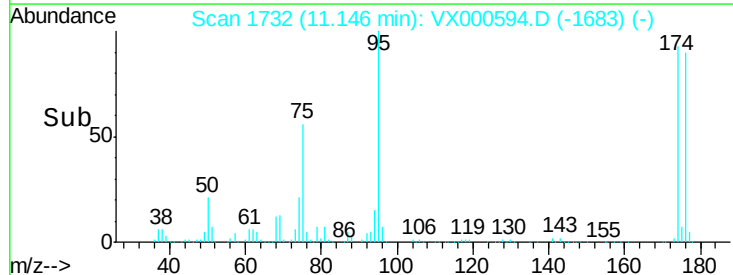
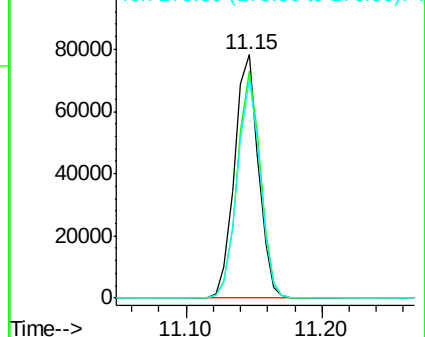
176 86.5 0.0 164.6

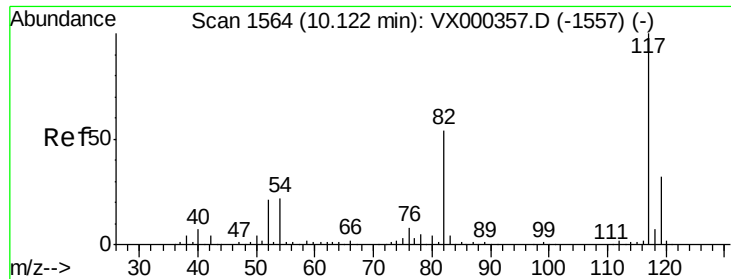


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

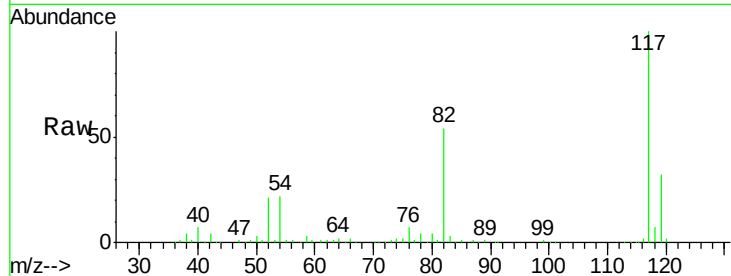




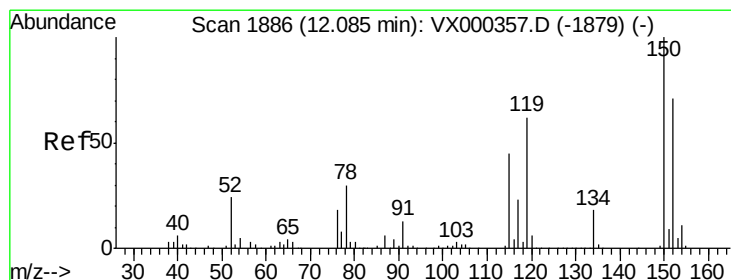
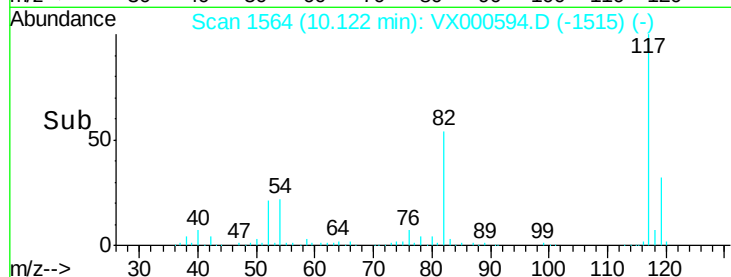
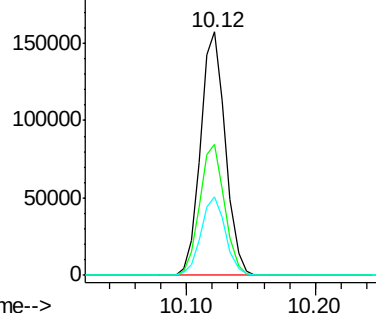
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 212378
Ion Ratio Lower Upper
117 100
82 54.0 43.8 65.8
119 32.0 24.9 37.3

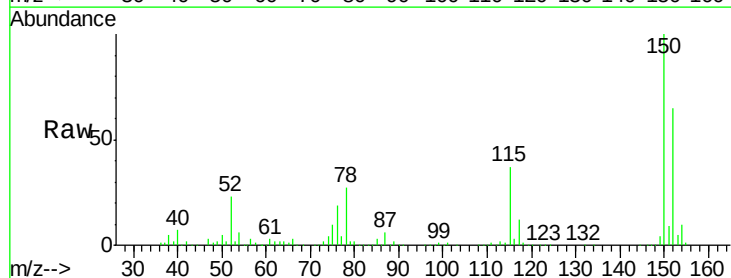


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

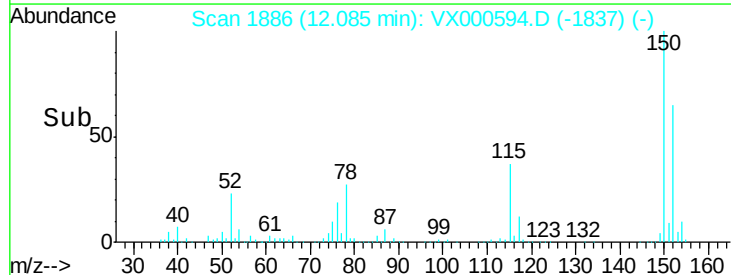
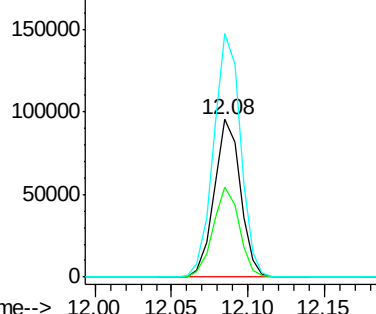


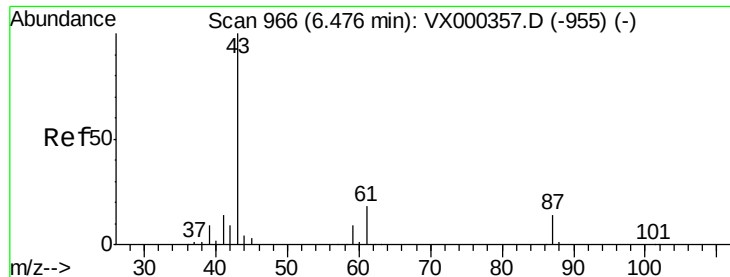
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Tgt Ion:152 Resp: 113297
Ion Ratio Lower Upper
152 100
115 56.9 39.8 119.3
150 158.5 0.0 344.4



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





#74

N-amvl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000594.D

Acq: 31 Mar 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 1640

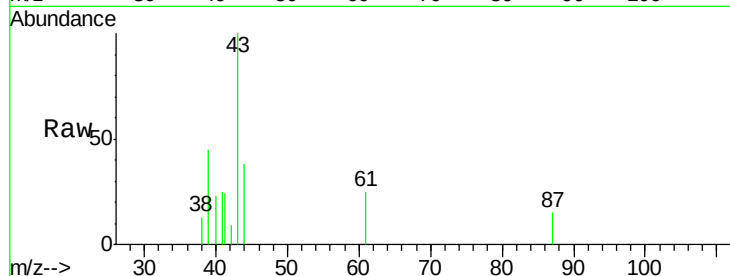
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 14.3 14.4 21.6#

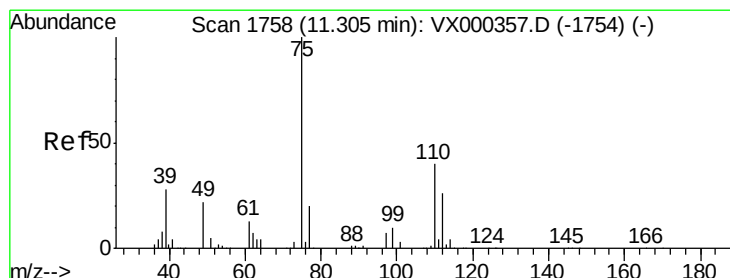
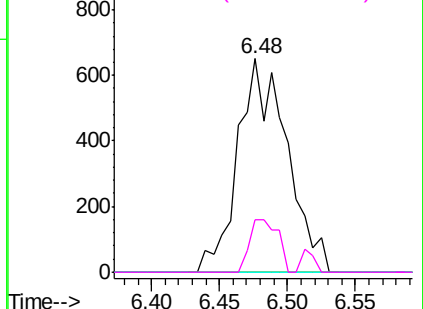
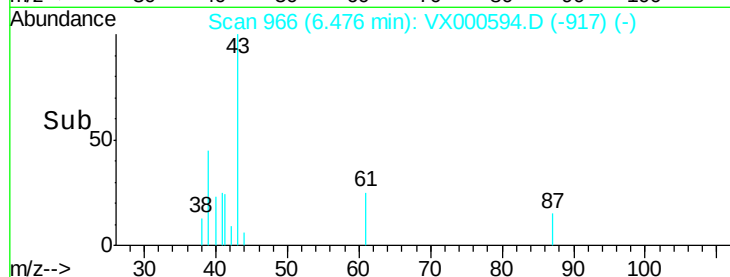


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.703 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000594.D

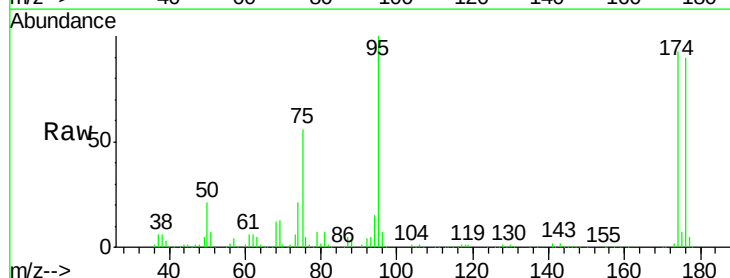
Acq: 31 Mar 2018 15:43

Tgt Ion: 75 Resp: 55278

Ion Ratio Lower Upper

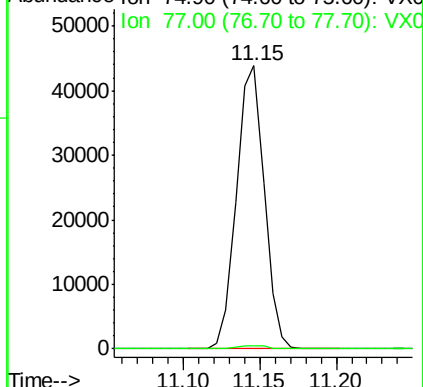
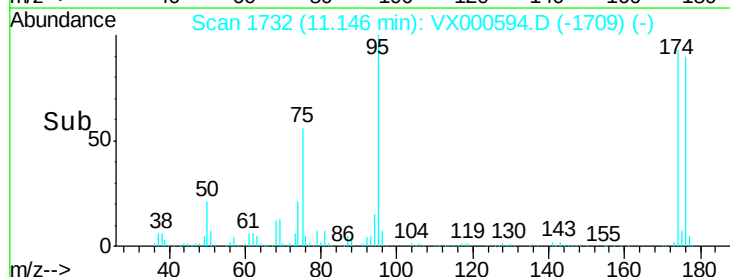
75 100

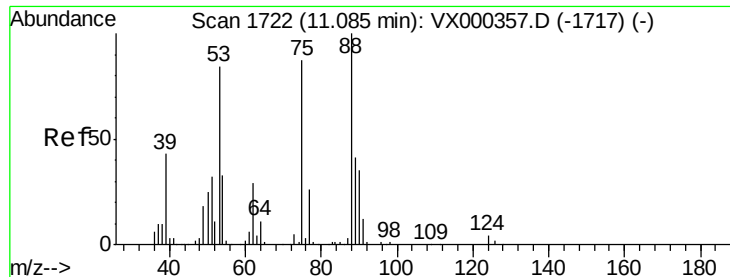
77 1.3 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

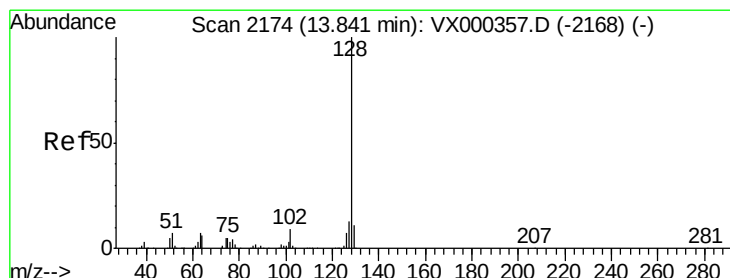
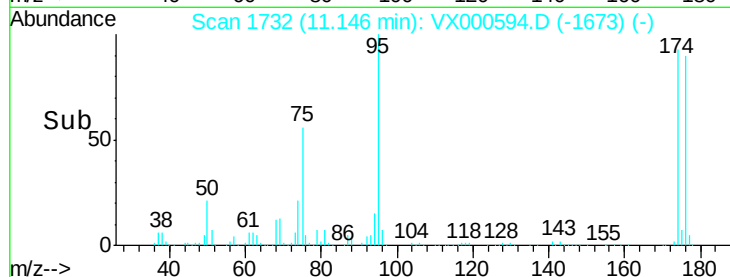
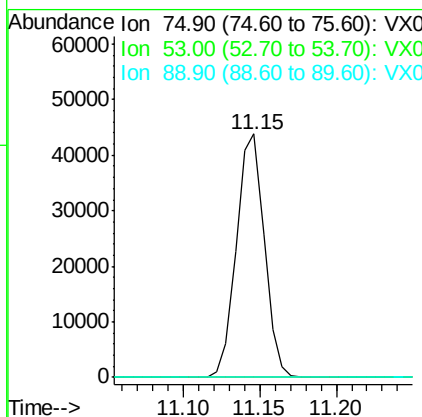
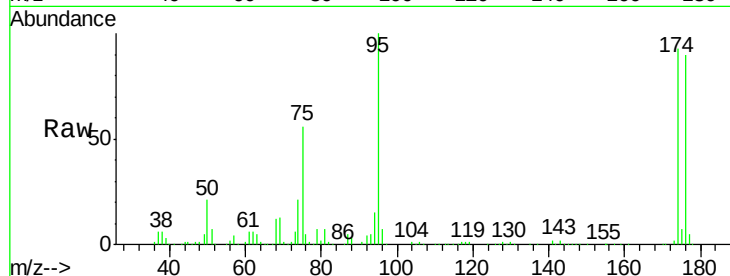




#81
trans-1,4-Dichloro-2-butene
Concen: 73.501 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.06 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 55278
Ion Ratio Lower Upper
75 100
53 0.0 80.7 121.1#
89 0.0 39.4 59.0#



#95
Naphthalene
Concen: 16.623 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000594.D
Acq: 31 Mar 2018 15:43

Tgt Ion: 128 Resp: 153882
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.0 8.9 13.3

