

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000592.D
 Acq On : 31 Mar 2018 14:52
 Operator : JC/MD
 Sample : J2142-10 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:17:13 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	5.67	168	126878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	210776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	114125	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	85989	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	5.51	113	65772	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.73	98	268583	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.15	95	94863	41.33	ug/l	0.00
Spiked Amount			Recovery	=	82.66%	

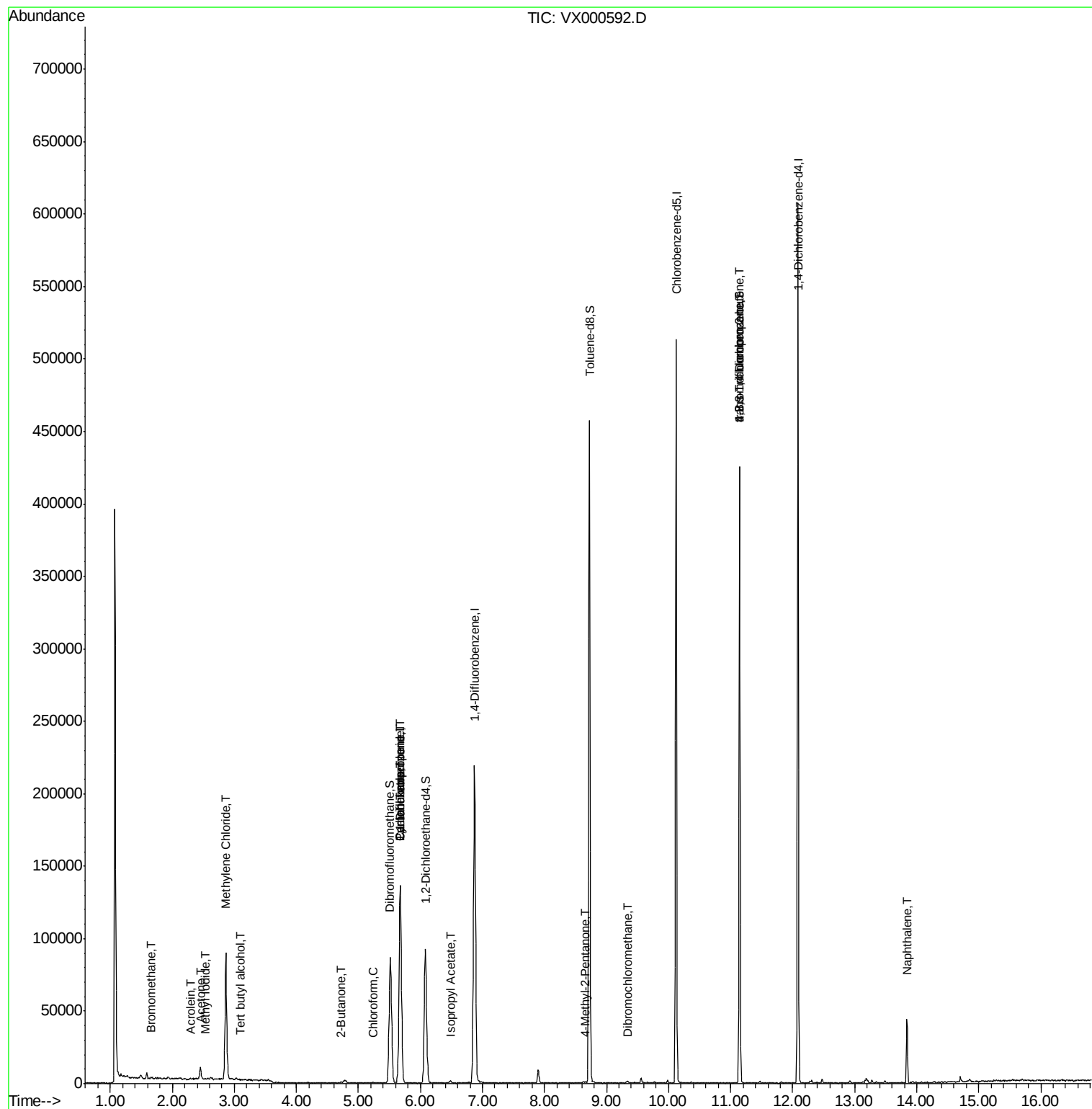
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	385	0.253	ug/l #	58
6) Chloroethane	1.74	64	677	Below Cal	#	77
10) Methyl Iodide	2.54	142	203	4.395	ug/l #	60
11) Tert butyl alcohol	3.09	59	146	0.256	ug/l #	64
13) Acrolein	2.29	56	56	14.868	ug/l #	1
16) Acetone	2.45	43	9400	6.823	ug/l	93
20) Methylene Chloride	2.86	84	37948	23.847	ug/l	98
25) 2-Butanone	4.72	43	1282	0.828	ug/l	97
30) Chloroform	5.23	83	512	0.202	ug/l	88
31) Cyclohexane	5.67	56	3063	1.466	ug/l #	17
36) 1,1-Dichloropropene	5.67	75	10136	5.045	ug/l #	51
38) Carbon Tetrachloride	5.67	117	12695	6.023	ug/l #	16
43) Isopropyl Acetate	6.49	43	1804	0.442	ug/l #	84
51) 4-Methyl-2-Pentanone	8.65	43	814	0.257	ug/l #	75
60) Dibromochloromethane	9.34	129	206	4.212	ug/l #	12
74) N-amyl acetate	6.49	43	1804	Below Cal	#	88
76) 1,2,3-Trichloropropane	11.14	75	55620	22.677	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	55620	73.419	ug/l #	9
95) Naphthalene	13.84	128	26317	2.822	ug/l	98

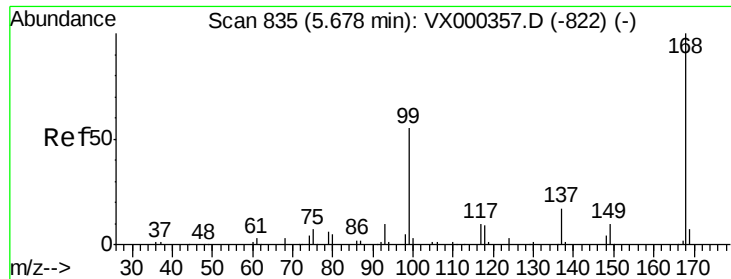
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

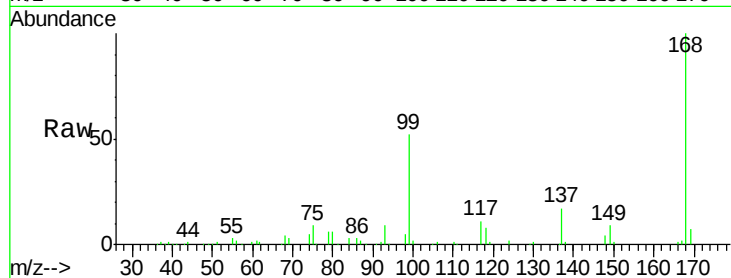
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 126878

Ion Ratio Lower Upper

168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

50000

40000

30000

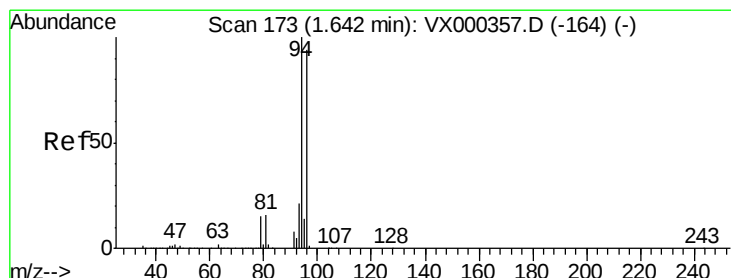
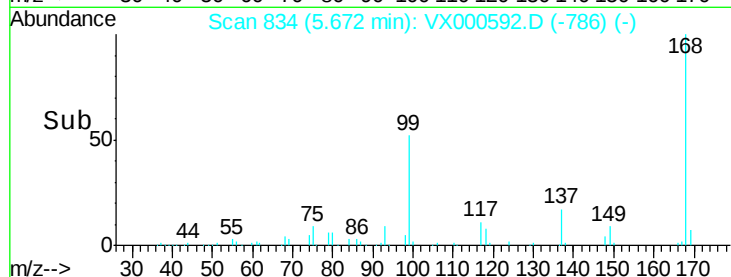
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.253 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000592.D

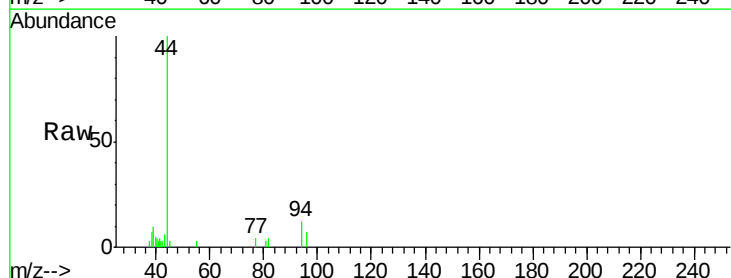
Acq: 31 Mar 2018 14:52

Tgt Ion: 94 Resp: 385

Ion Ratio Lower Upper

94 100

96 55.4 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

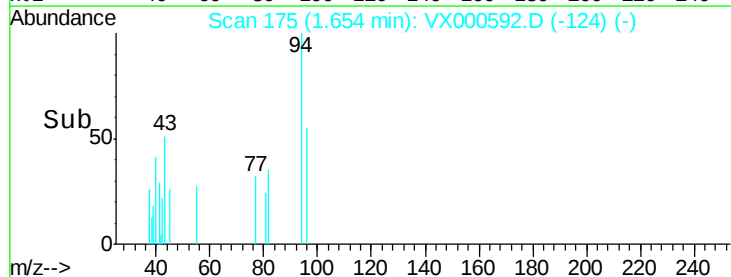
100

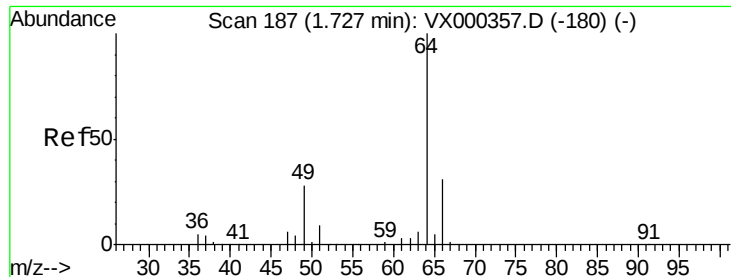
50

0

Time-->

1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

Instrument :

MSVOA_X

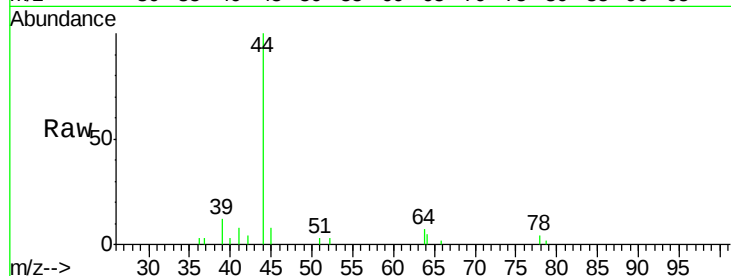
ClientSampled :

Tot Ion: 64 Resp: 677

Ion Ratio Lower Upper

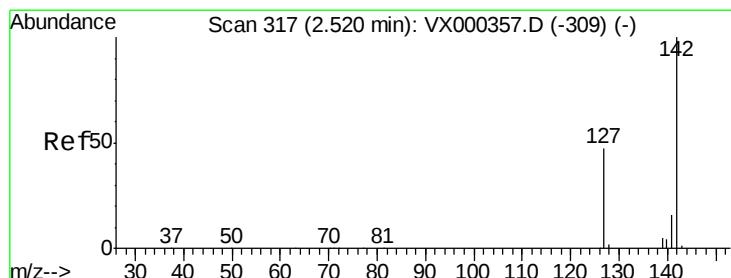
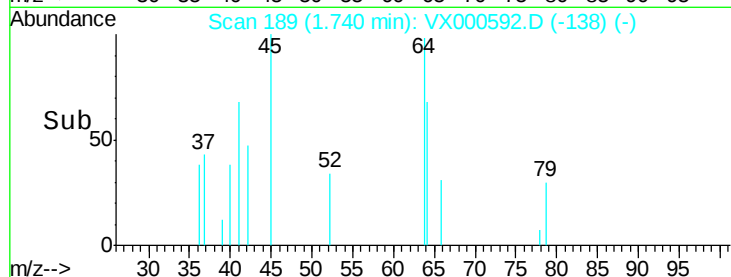
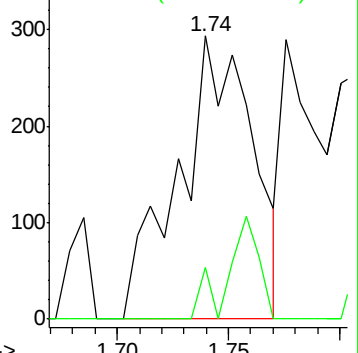
64 100

66 18.4 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.395 ug/l

RT: 2.54 min Scan# 320

Delta R.T. 0.02 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

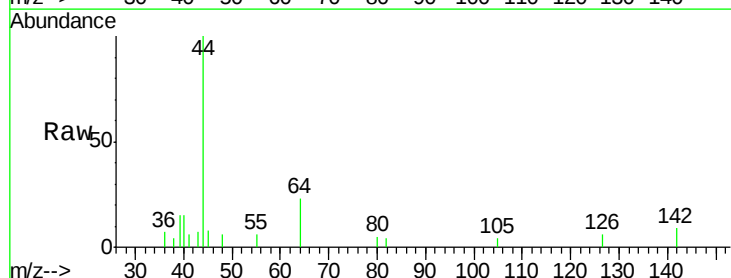
Tgt Ion:142 Resp: 203

Ion Ratio Lower Upper

142 100

127 17.7 39.2 58.8#

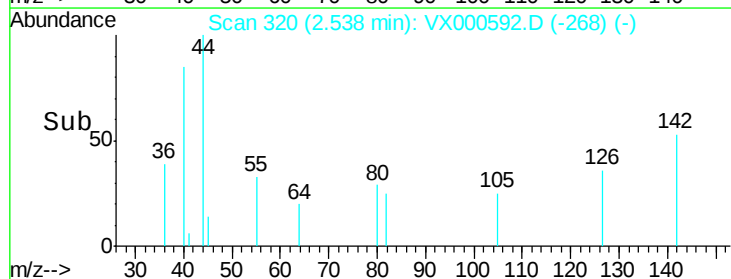
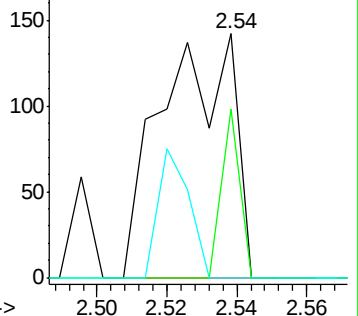
141 22.7 11.7 17.5#

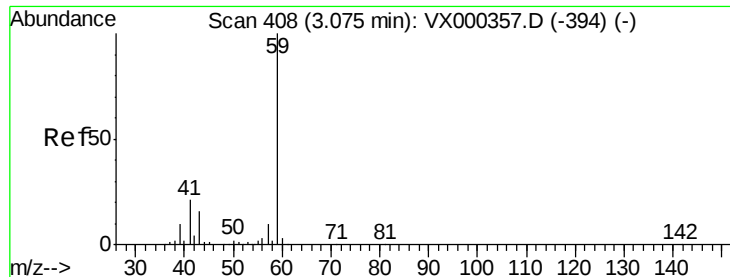


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

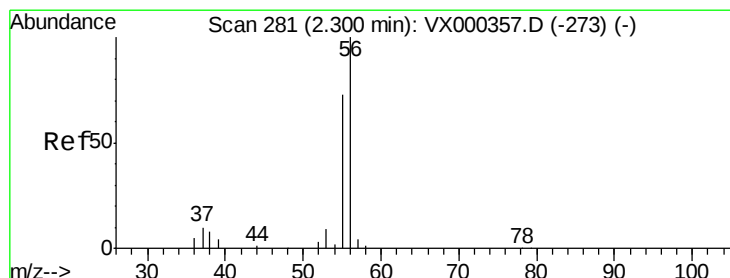
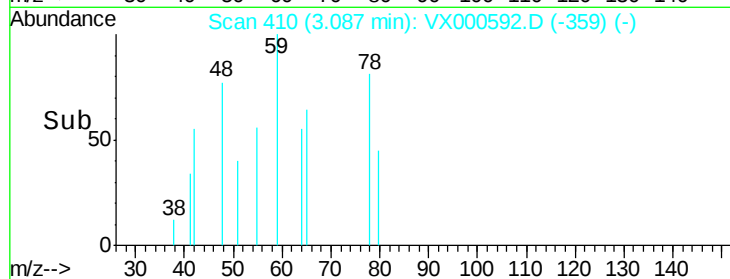
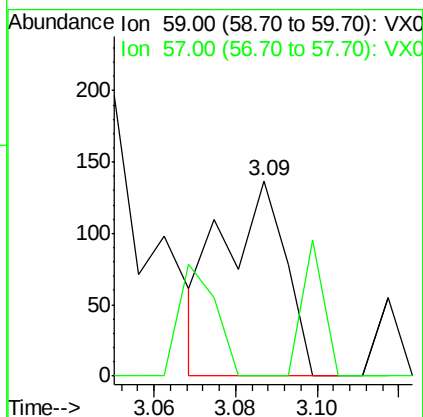
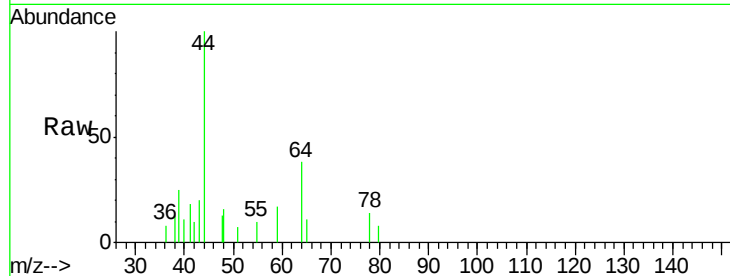




#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

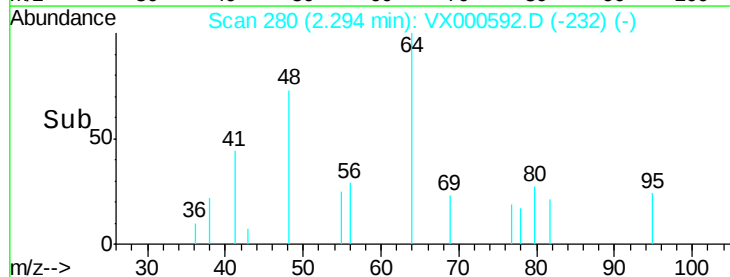
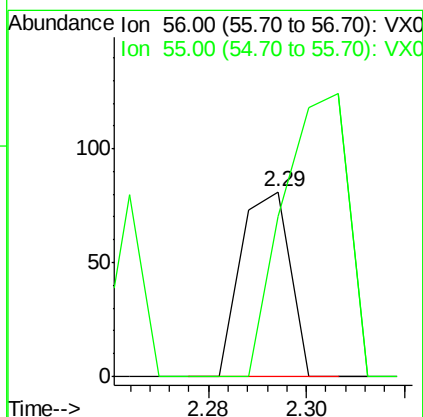
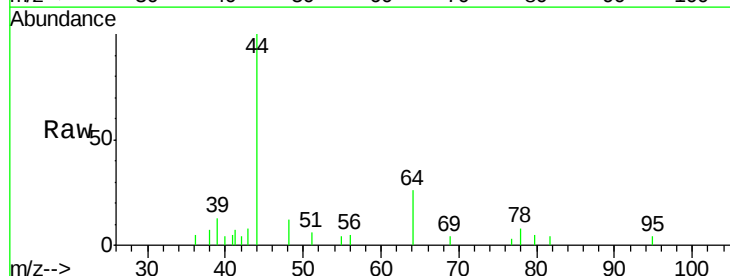
Instrument :
MSVOA_X
ClientSampled :

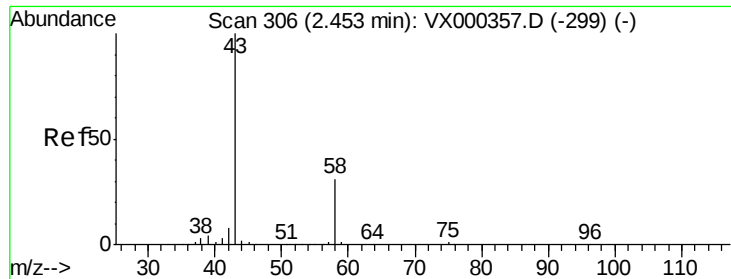
Tot Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 24.0 8.4 12.6#



#13
Acrolein
Concen: 14.868 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 203.6 58.8 88.2#





#16

Acetone

Concen: 6.823 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

Instrument :

MSVOA_X

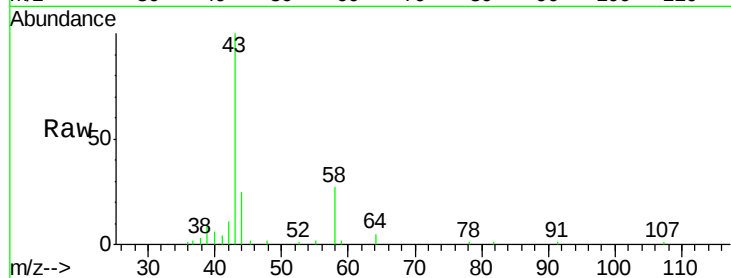
ClientSampleId :

Tot Ion: 43 Resp: 9400

Ion Ratio Lower Upper

43 100

58 26.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

6000

5000

4000

3000

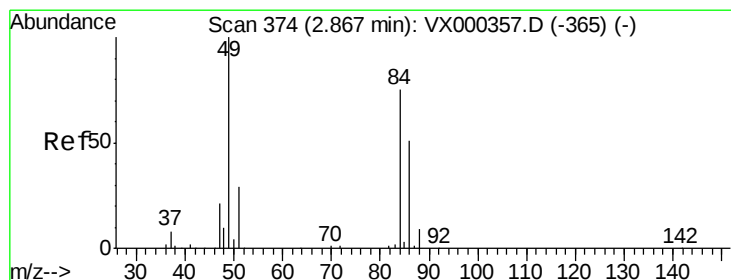
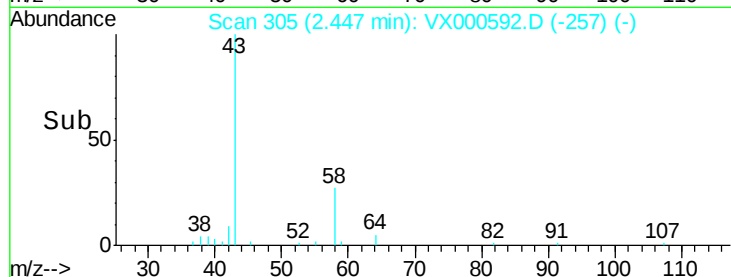
2000

1000

0

Time-->

2.40 2.45 2.50



#20

Methylene Chloride

Concen: 23.847 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

Tgt Ion: 84 Resp: 37948

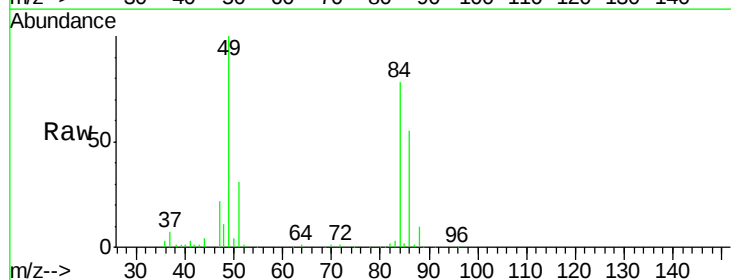
Ion Ratio Lower Upper

84 100

49 127.6 100.6 151.0

51 39.2 31.6 47.4

86 69.6 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

40000

30000

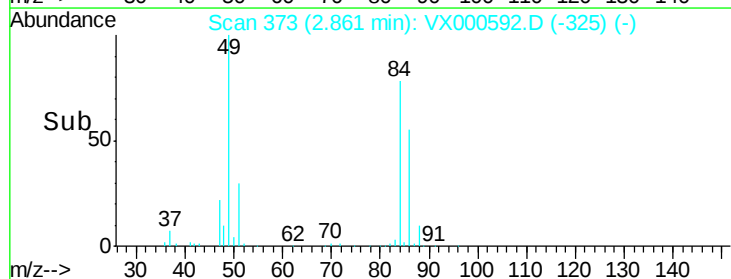
20000

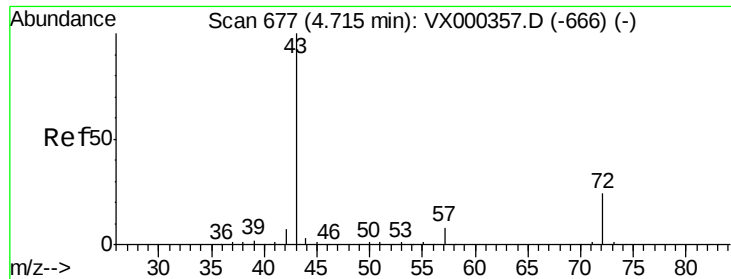
10000

0

Time-->

2.75 2.80 2.85 2.90 2.95





#25

2-Butanone

Concen: 0.828 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

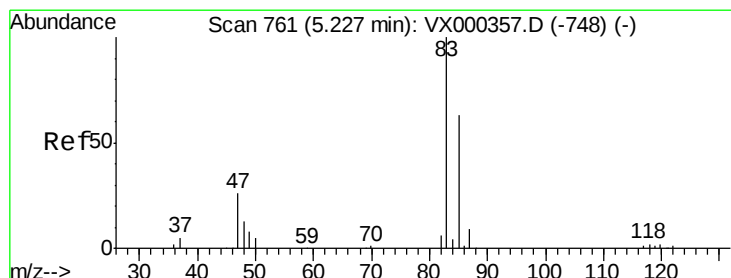
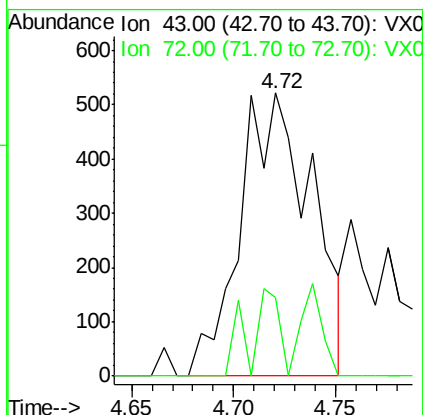
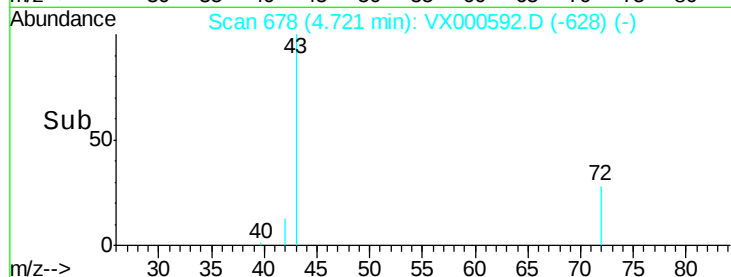
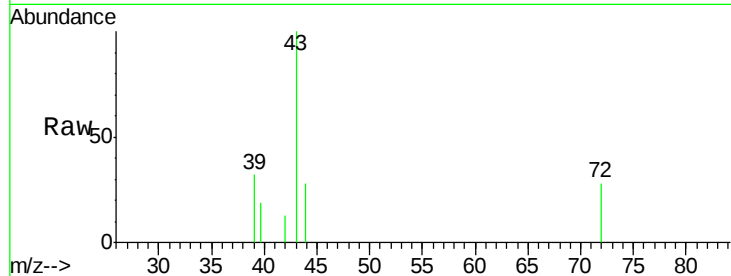
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1282

Ion Ratio Lower Upper

43 100

72 27.8 21.0 31.6



#30

Chloroform

Concen: 0.202 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000592.D

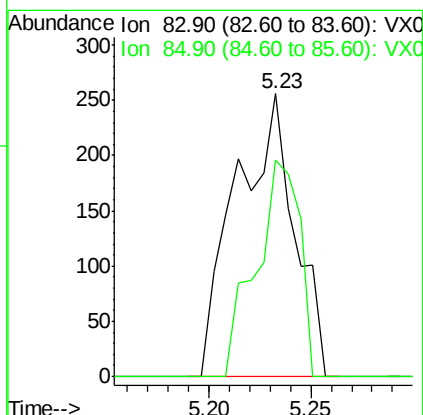
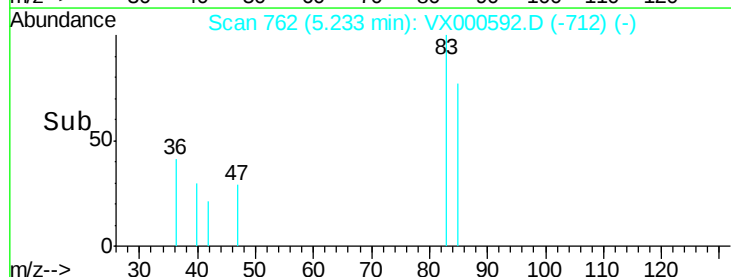
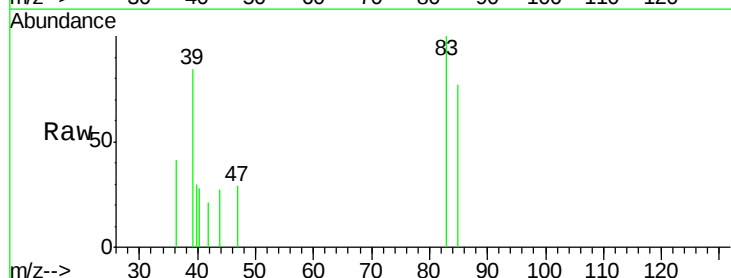
Acq: 31 Mar 2018 14:52

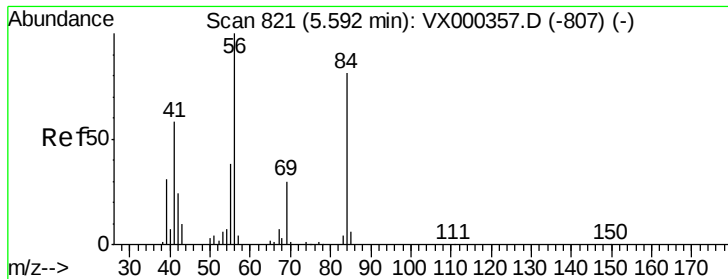
Tgt Ion: 83 Resp: 512

Ion Ratio Lower Upper

83 100

85 76.6 53.3 79.9

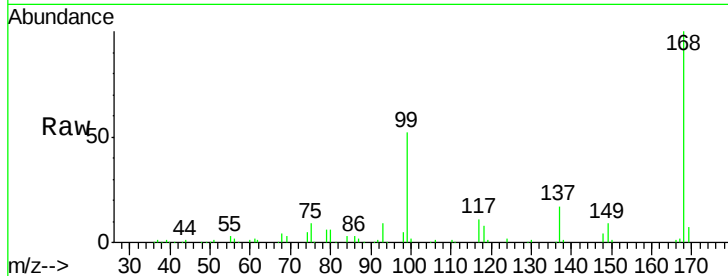




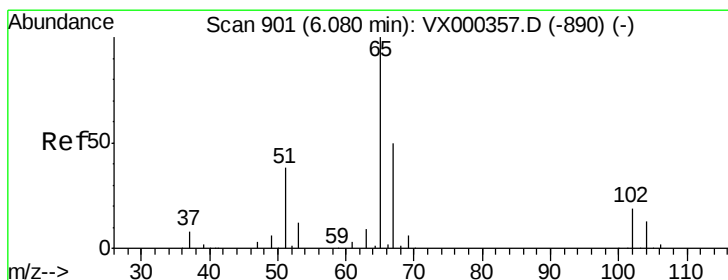
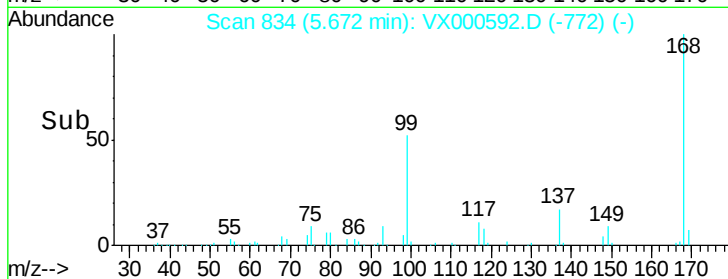
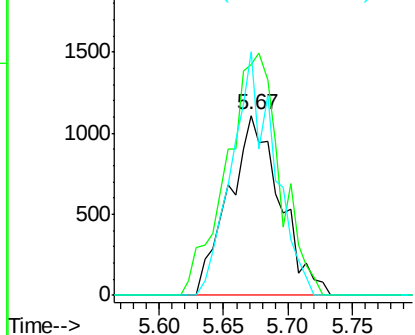
#31
Cyclohexane
Concen: 1.466 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3063
Ion Ratio Lower Upper
56 100
69 128.2 23.4 35.0#
84 135.1 71.0 106.4#

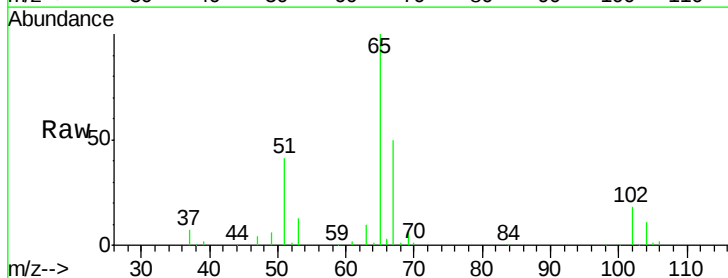


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

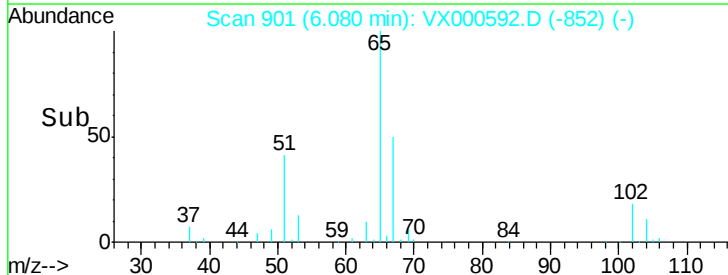
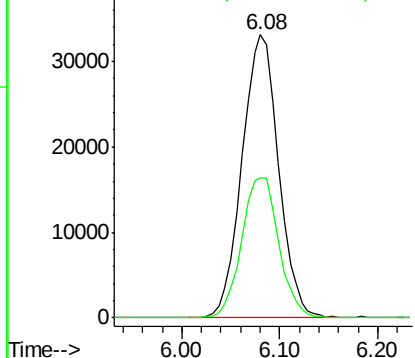


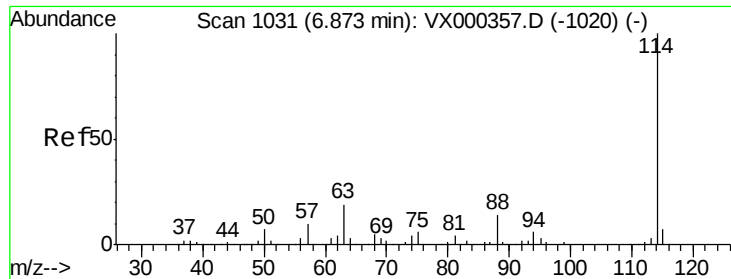
#33
1,2-Dichloroethane-d4
Concen: 51.919 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Tgt Ion: 65 Resp: 85989
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.2



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

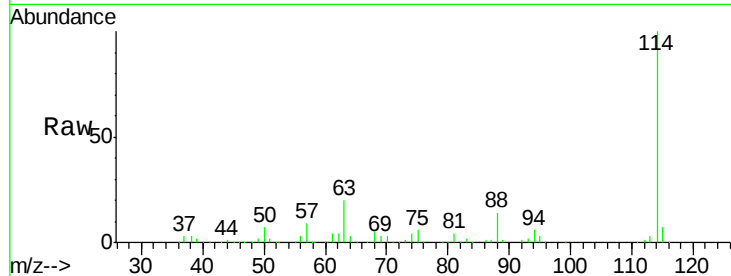




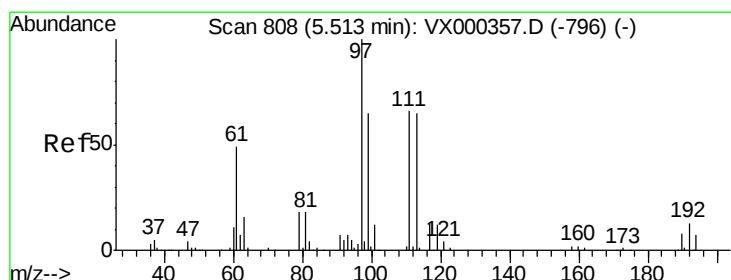
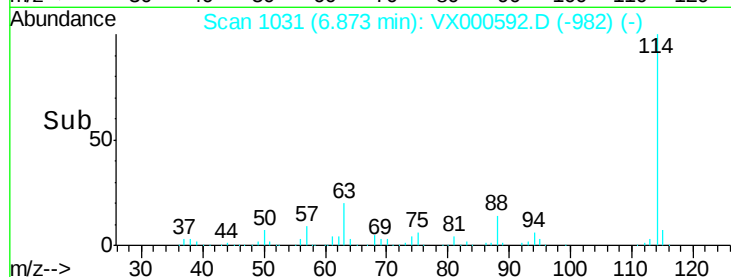
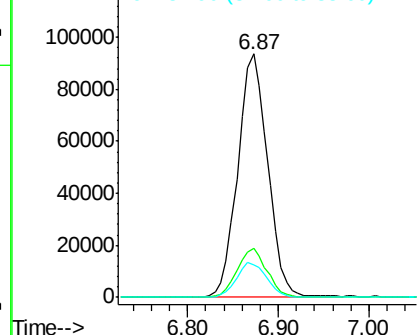
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 214486
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.4
88 13.5 0.0 27.0

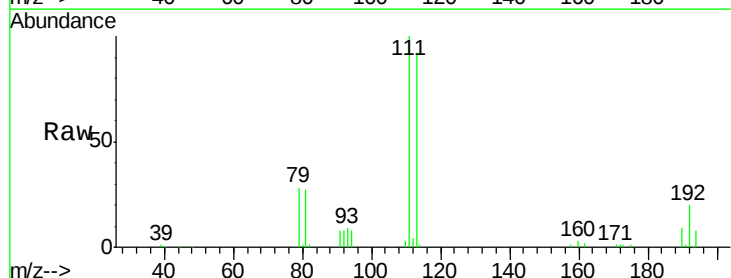


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

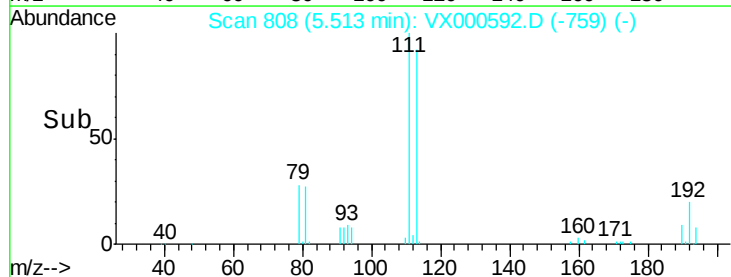
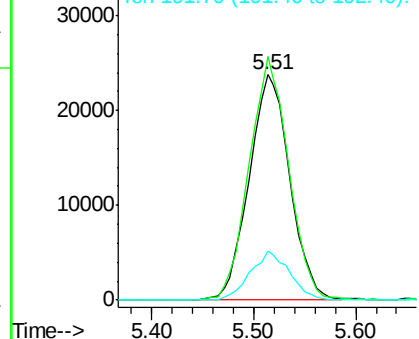


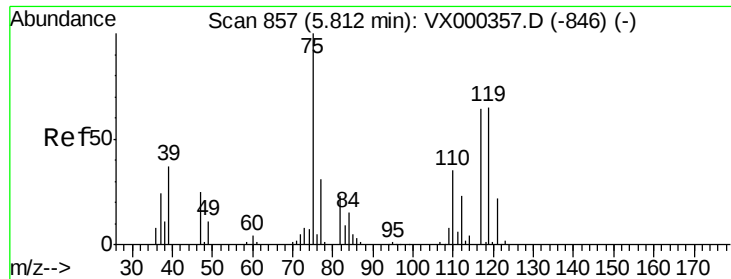
#35
Dibromofluoromethane
Concen: 48.668 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Tgt Ion:113 Resp: 65772
Ion Ratio Lower Upper
113 100
111 104.8 82.4 123.6
192 21.0 15.8 23.6



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

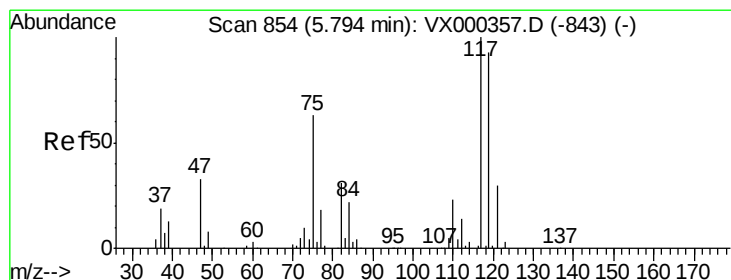
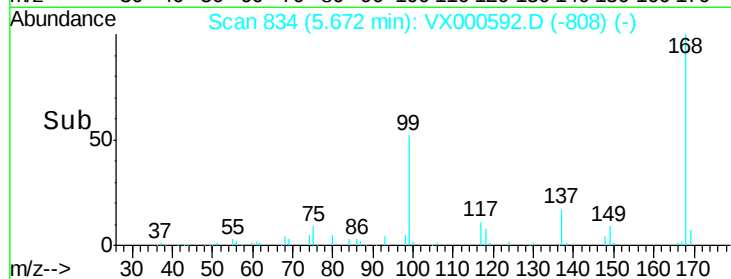
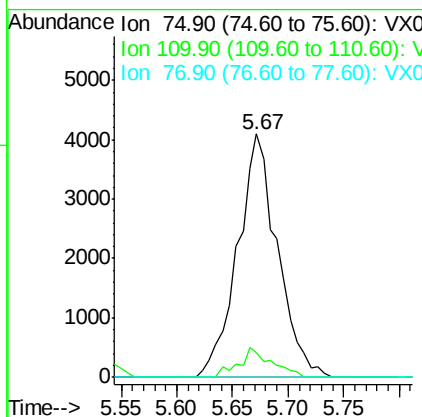
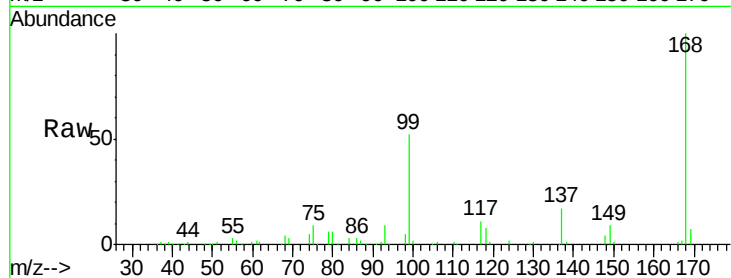




#36
 1,1-Dichloropropene
 Concen: 5.045 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000592.D
 Acq: 31 Mar 2018 14:52

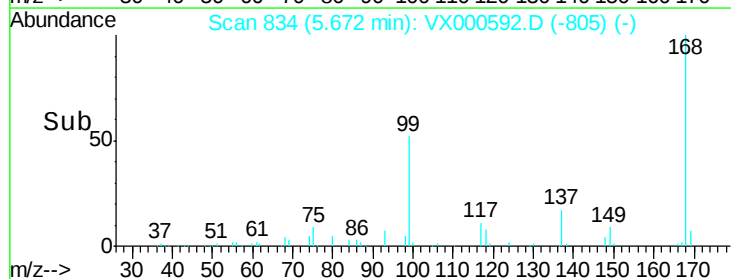
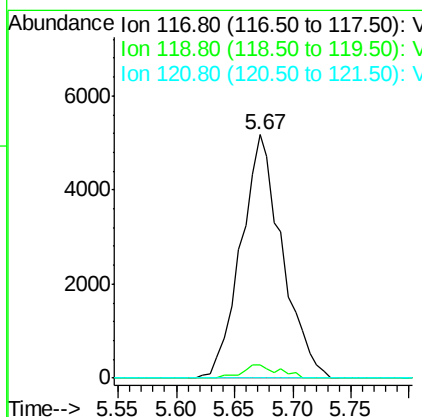
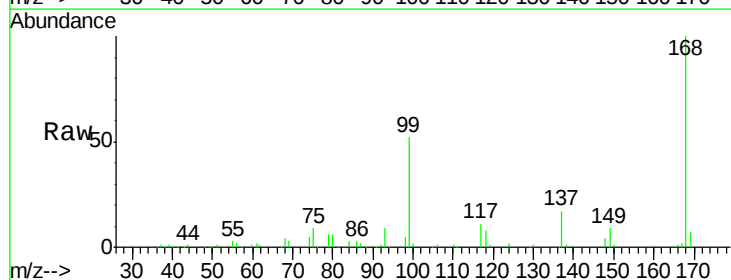
Instrument :
 MSVOA_X
 ClientSampled :

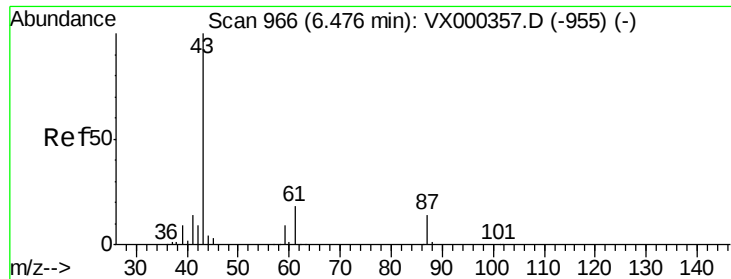
Tot Ion	75	Resp	10136
Ion Ratio	Lower	Upper	
75	100		
110	10.1	17.9	53.7#
77	0.0	24.0	36.0#



#38
 Carbon Tetrachloride
 Concen: 6.023 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000592.D
 Acq: 31 Mar 2018 14:52

Tgt Ion	117	Resp	12695
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.4	116.2#
121	0.0	24.8	37.2#



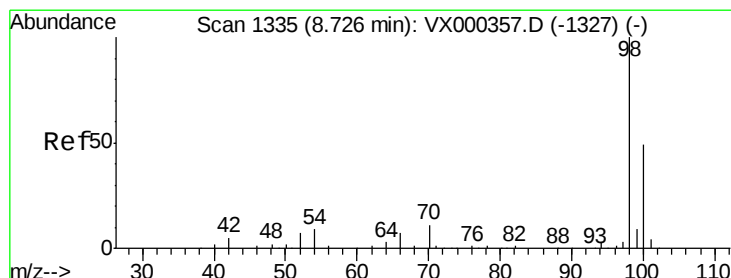
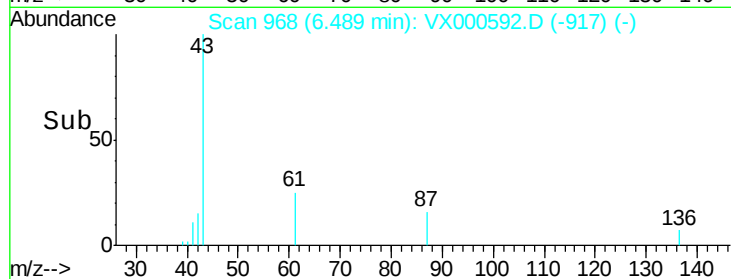
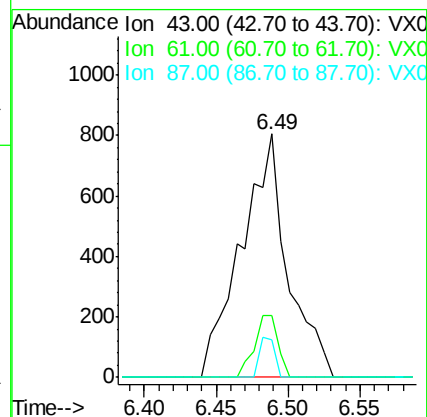
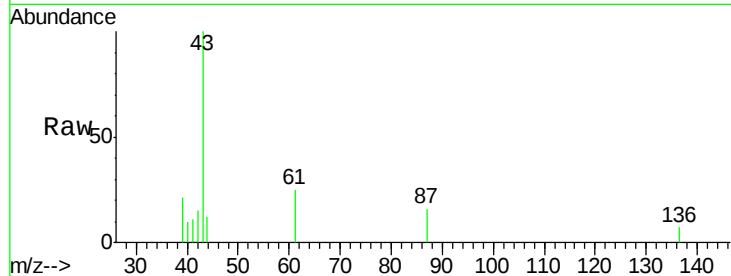


#43

Isopropyl Acetate
 Concen: 0.442 ug/l
 RT: 6.49 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VX000592.D
 Acq: 31 Mar 2018 14:52

Instrument :
 MSVOA_X
 ClientSampled :

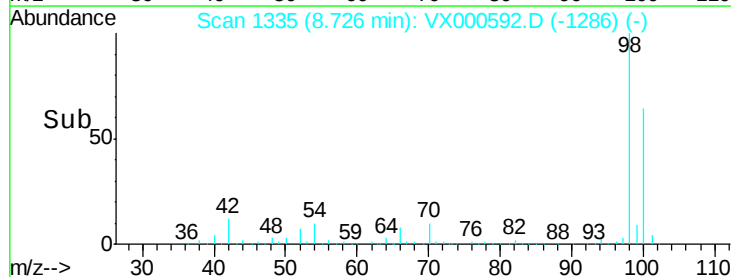
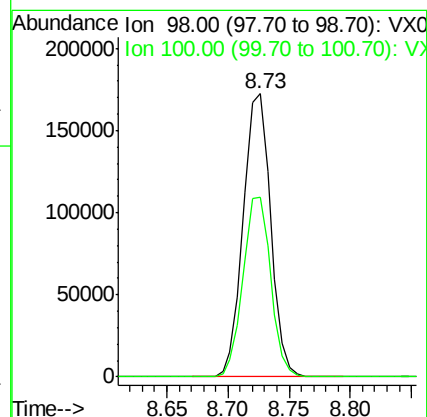
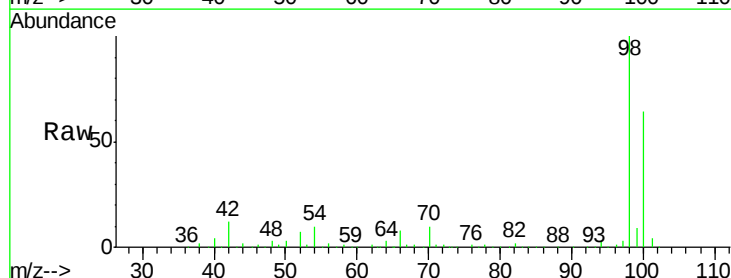
Tot Ion: 43 Resp: 1804
 Ion Ratio Lower Upper
 43 100
 61 12.7 14.4 21.6#
 87 5.2 11.0 16.4#

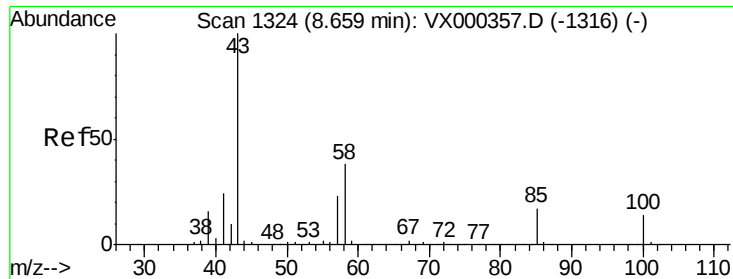


#50

Toluene-d8
 Concen: 47.985 ug/l
 RT: 8.73 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VX000592.D
 Acq: 31 Mar 2018 14:52

Tgt Ion: 98 Resp: 268583
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 0.257 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

Instrument :

MSVOA_X

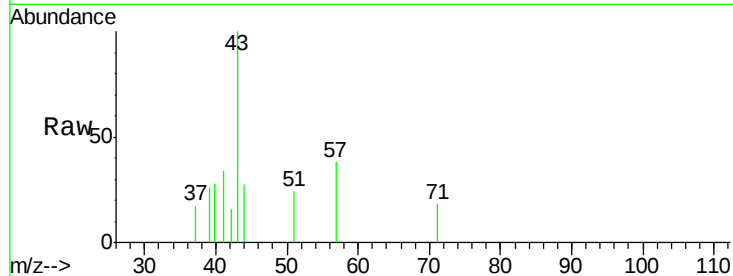
ClientSampled :

Tot Ion: 43 Resp: 814

Ion Ratio Lower Upper

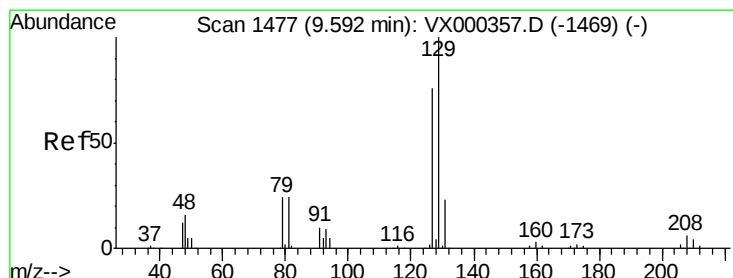
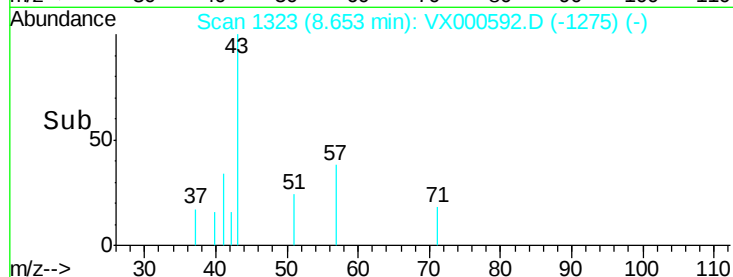
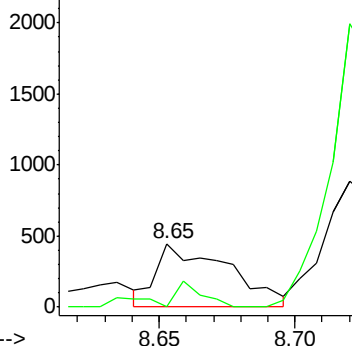
43 100

58 22.7 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 4.212 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX000592.D

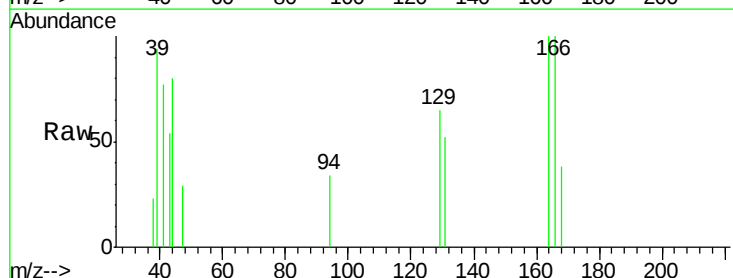
Acq: 31 Mar 2018 14:52

Tgt Ion: 129 Resp: 206

Ion Ratio Lower Upper

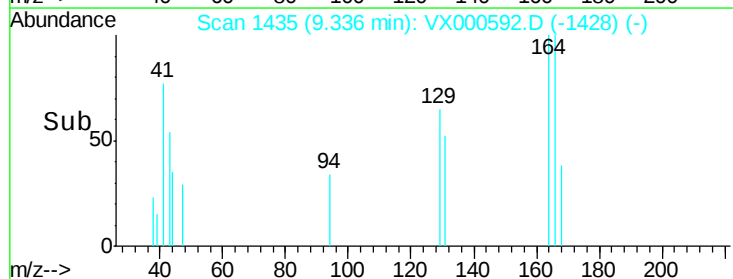
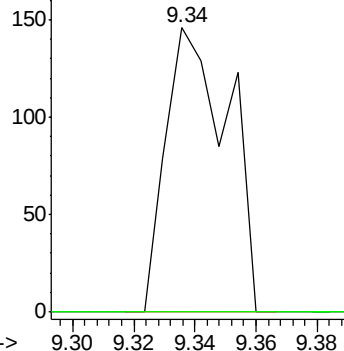
129 100

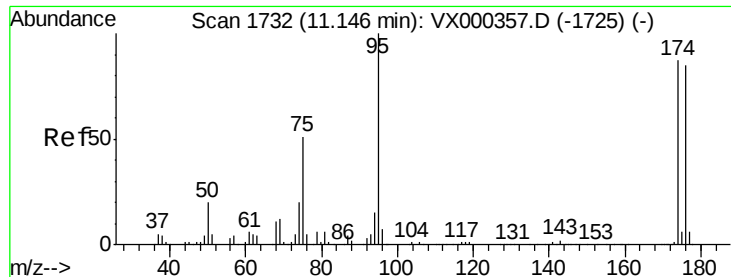
127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 41.330 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

Instrument :

MSVOA_X

ClientSampled :

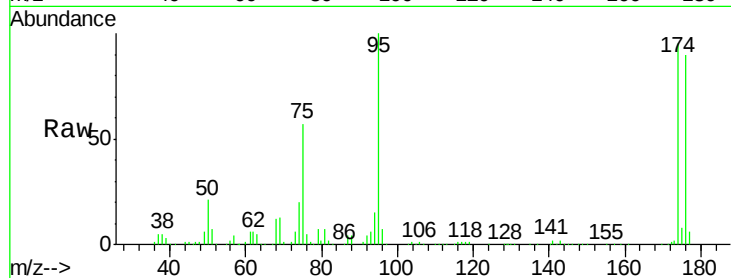
Tot Ion: 95 Resp: 94863

Ion Ratio Lower Upper

95 100

174 92.4 0.0 173.6

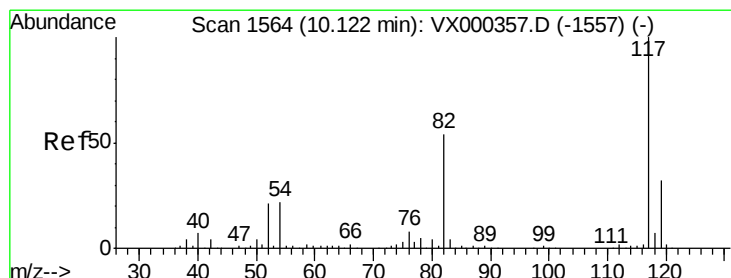
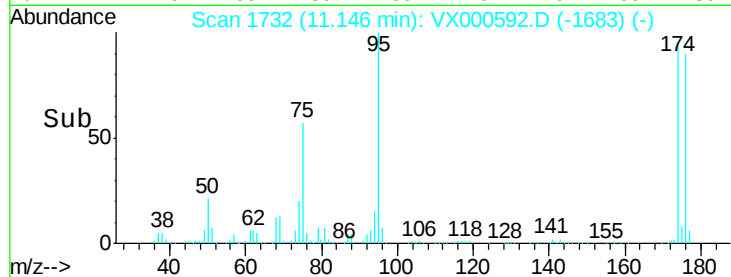
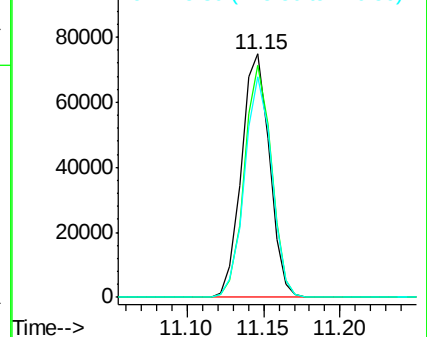
176 88.4 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000592.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000592.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000592.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

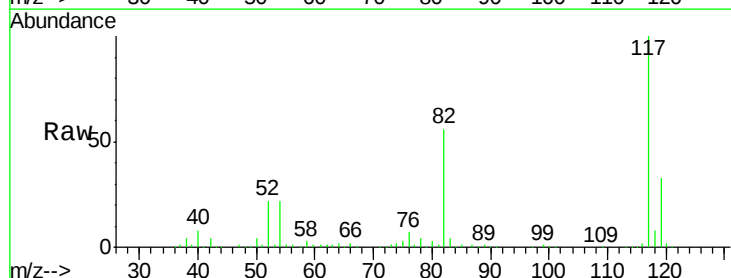
Tgt Ion: 117 Resp: 210776

Ion Ratio Lower Upper

117 100

82 55.5 43.8 65.8

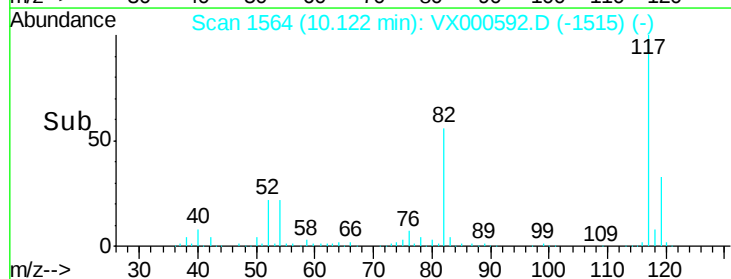
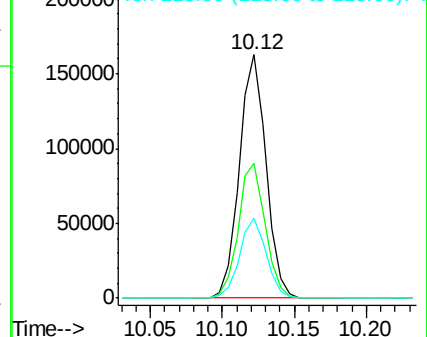
119 32.9 24.9 37.3

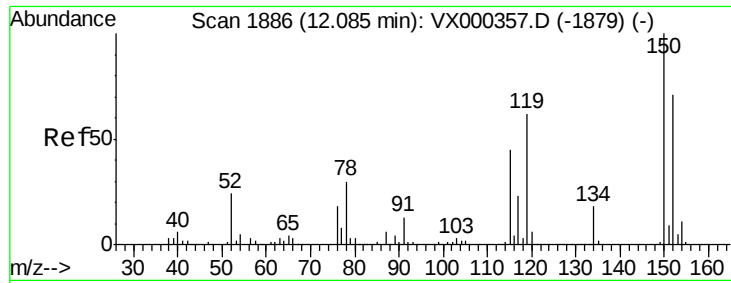


Abundance Ion 116.90 (116.60 to 117.60): VX000592.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000592.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000592.D (-1515) (-)



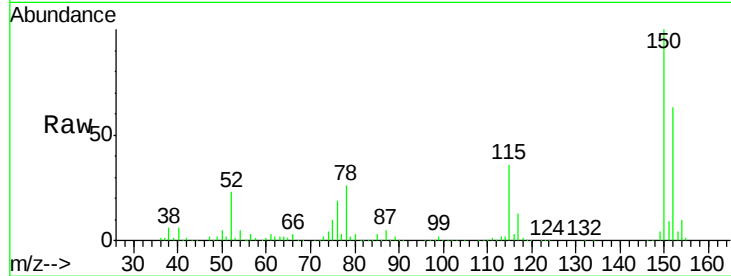


#72

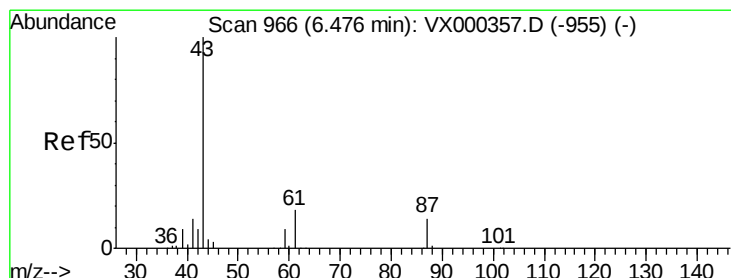
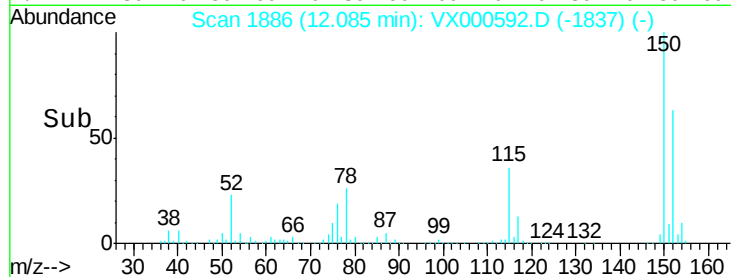
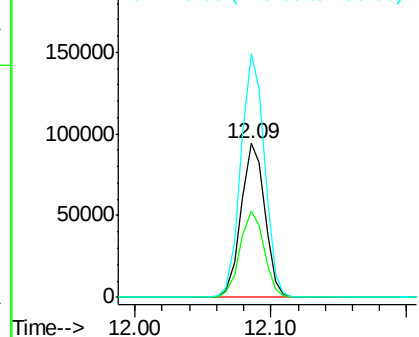
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 114125
Ion Ratio Lower Upper
152 100
115 57.0 39.8 119.3
150 157.4 0.0 344.4



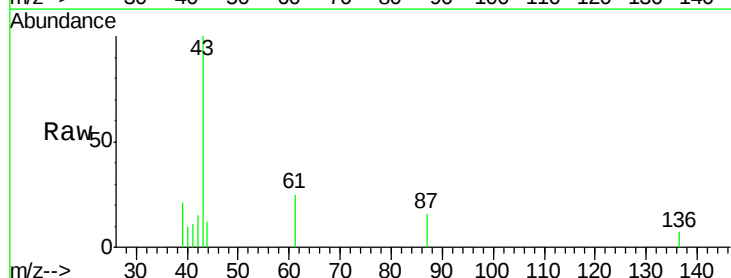
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



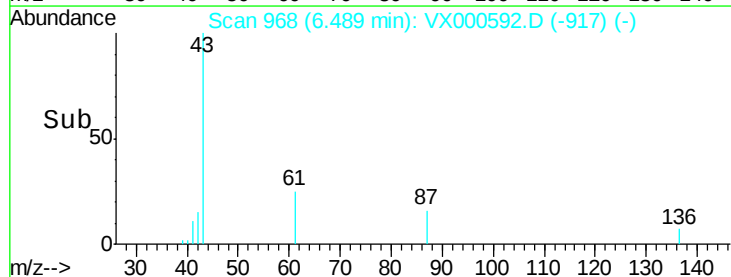
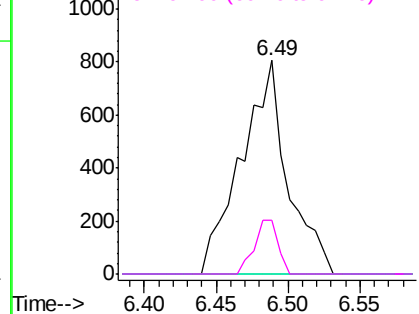
#74

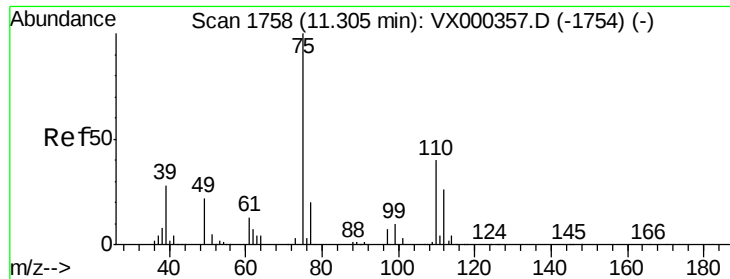
N-ethyl acetate
Concen: Below Cal
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 12.7 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: 22.677 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

Instrument :

MSVOA_X

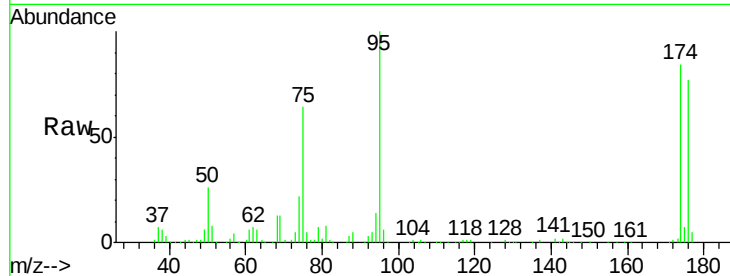
ClientSampleId :

Tot Ion: 75 Resp: 55620

Ion Ratio Lower Upper

75 100

77 1.2 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

40000

30000

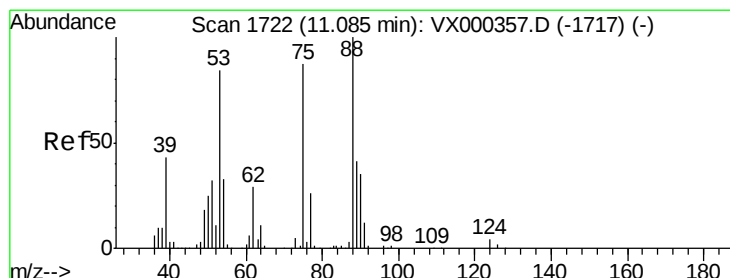
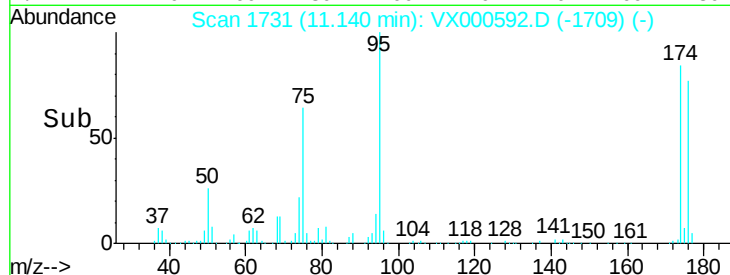
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 73.419 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000592.D

Acq: 31 Mar 2018 14:52

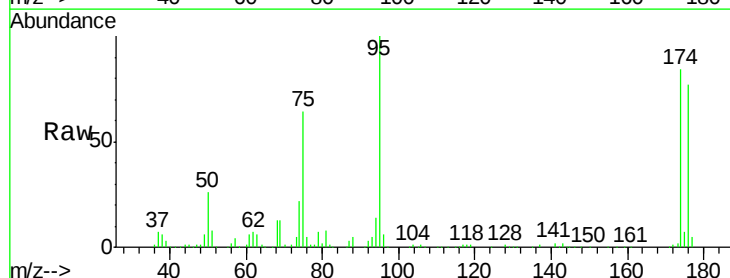
Tgt Ion: 75 Resp: 55620

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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

60000

50000

40000

30000

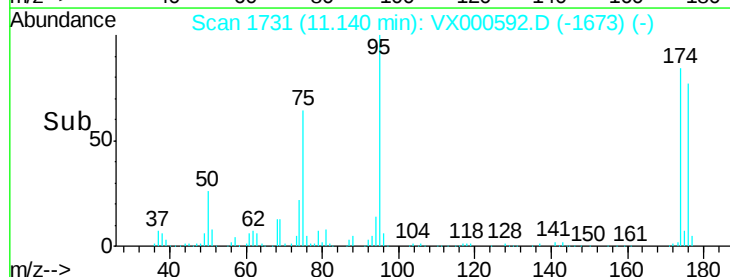
20000

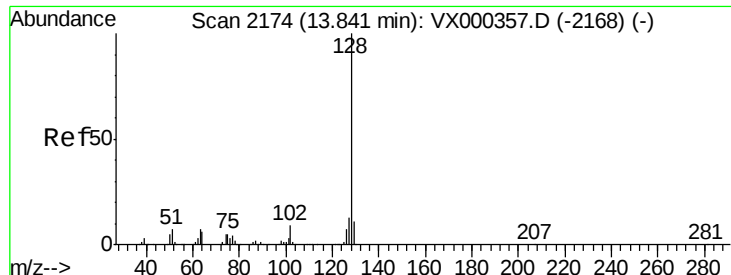
10000

0

Time-->

11.10 11.15 11.20

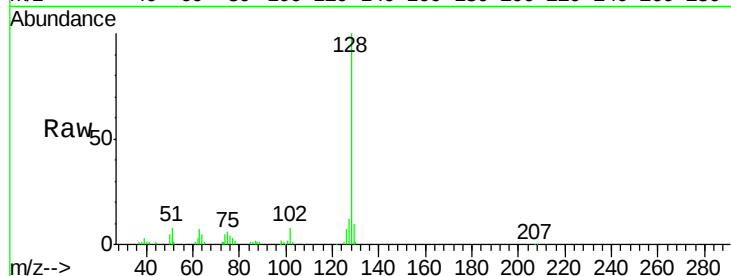




#95
Naphthalene
Concen: 2.822 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000592.D
Acq: 31 Mar 2018 14:52

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.2	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

