

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
 Data File : VX000978.D
 Acq On : 17 Apr 2018 21:05
 Operator : JC/MD
 Sample : PB108300ZHE#03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 04:01:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	343086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207103	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	155403	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.51	113	120801	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
50) Toluene-d8	8.72	98	481260	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.14	95	183650	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	

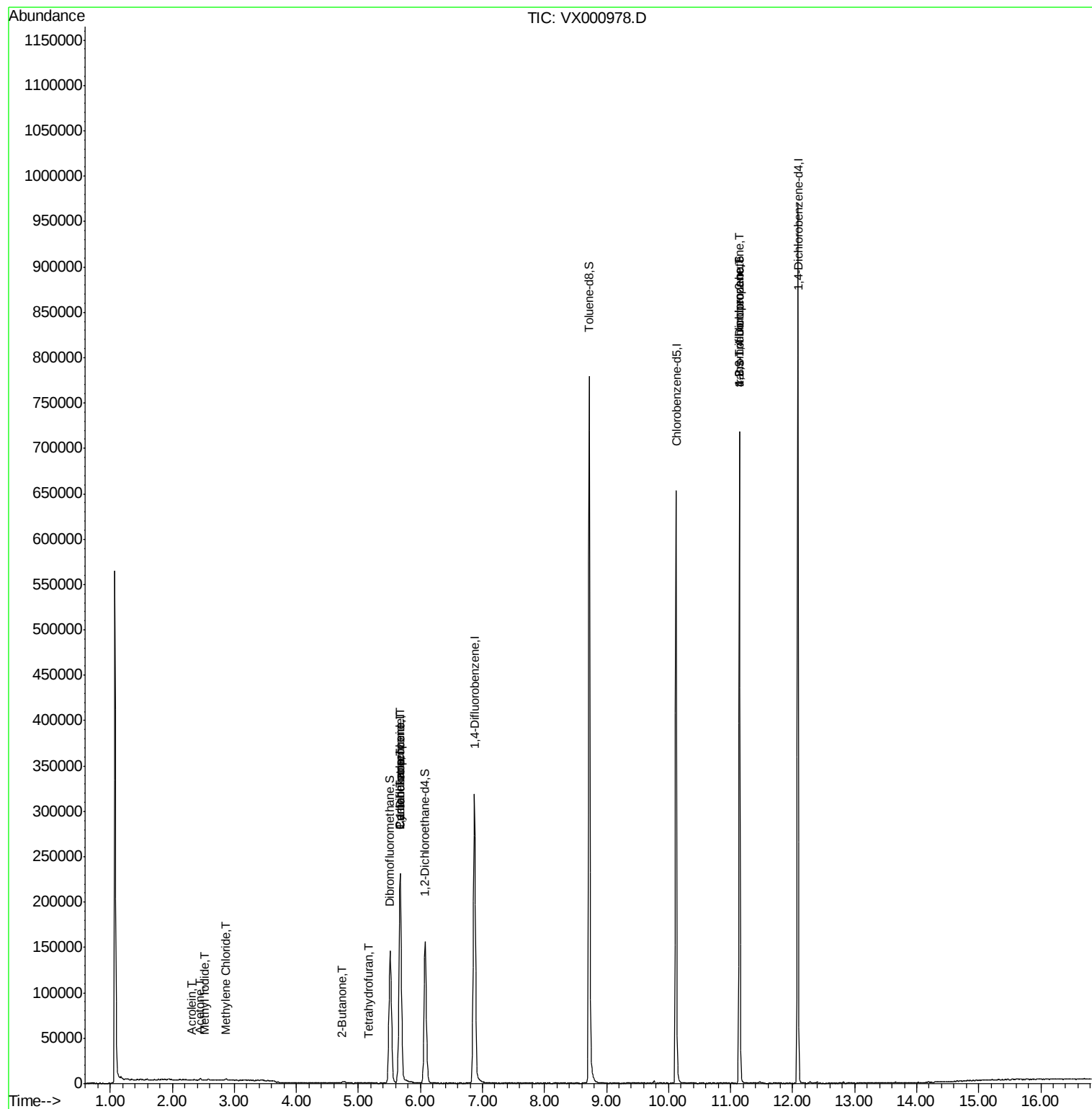
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	20	Below Cal	#	2
10) Methyl Iodide	2.52	142	41	8.249	ug/l #	42
13) Acrolein	2.30	56	98	0.370	ug/l #	63
16) Acetone	2.44	43	1780	1.682	ug/l	97
20) Methylene Chloride	2.86	84	638	0.259	ug/l #	80
25) 2-Butanone	4.72	43	589	0.337	ug/l #	50
29) Tetrahydrofuran	5.17	42	268	0.241	ug/l #	51
31) Cyclohexane	5.67	56	4303	1.064	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	14646	3.876	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21616	5.111	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	92360	25.859	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	92360	71.132	ug/l #	11

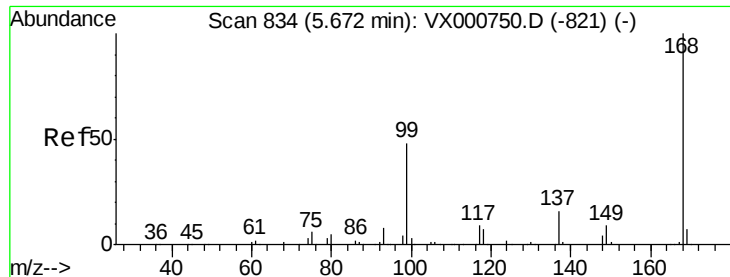
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

Instrument :

MSVOA_X

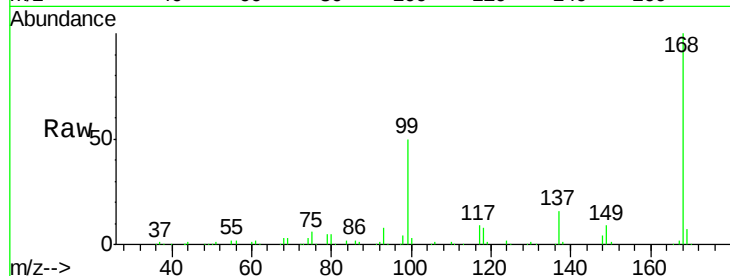
ClientSampled :

Tot Ion:168 Resp: 243421

Ion Ratio Lower Upper

168 100

99 49.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

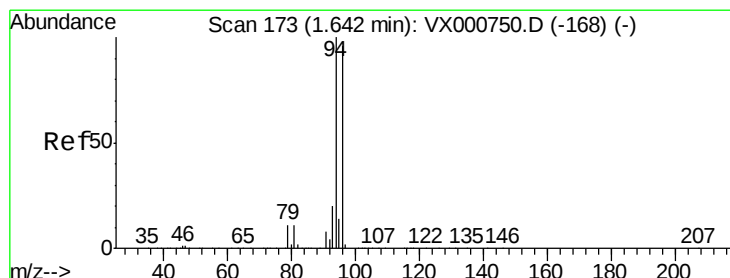
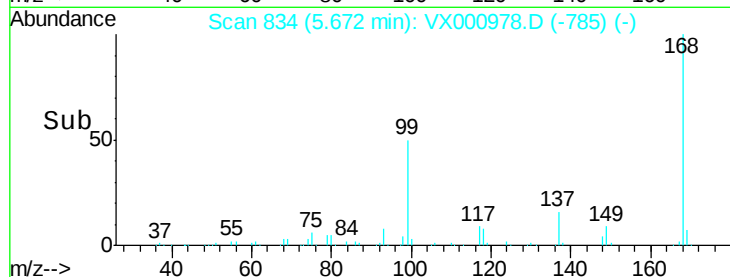
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX000978.D

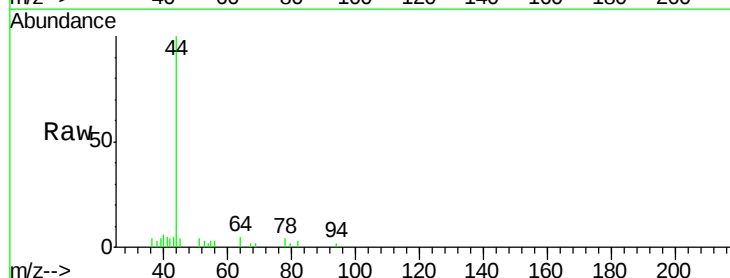
Acq: 17 Apr 2018 21:05

Tgt Ion: 94 Resp: 20

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

60

50

40

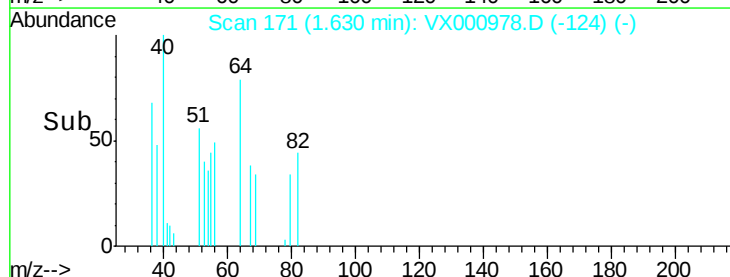
30

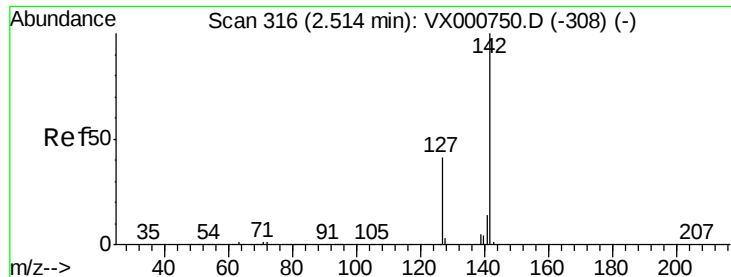
20

10

0

Time--> 1.61 1.62 1.63 1.64





#10

Methyl Iodide

Concen: 8.249 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

Instrument :

MSVOA_X

ClientSampled :

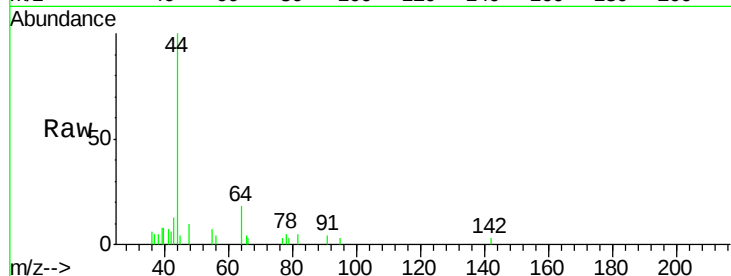
Tot Ion:142 Resp: 41

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

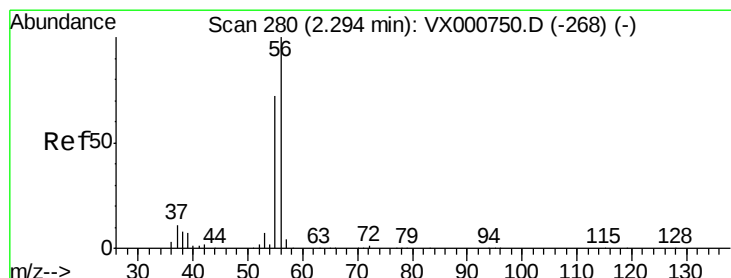
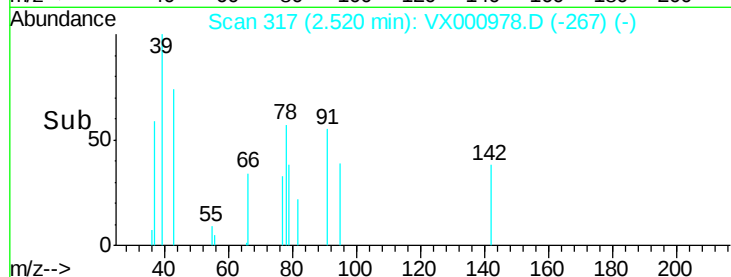
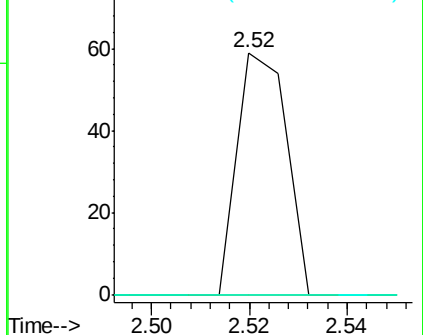
141 0.0 11.5 17.3#



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



#13

Acrolein

Concen: 0.370 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000978.D

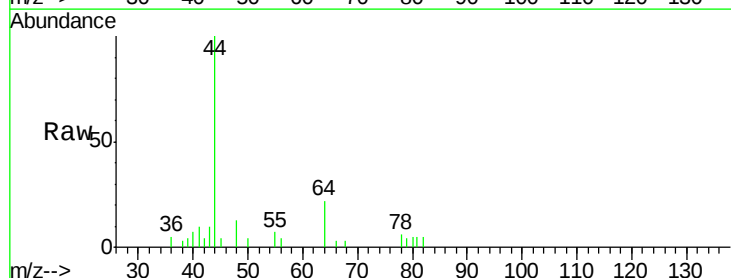
Acq: 17 Apr 2018 21:05

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

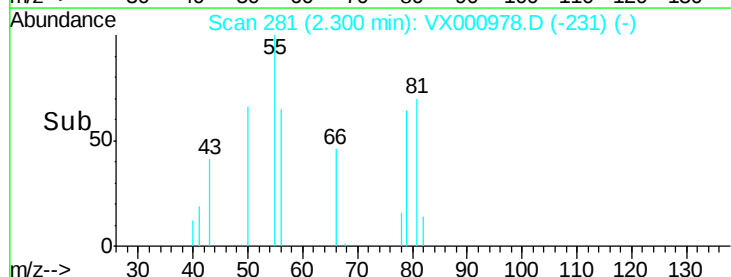
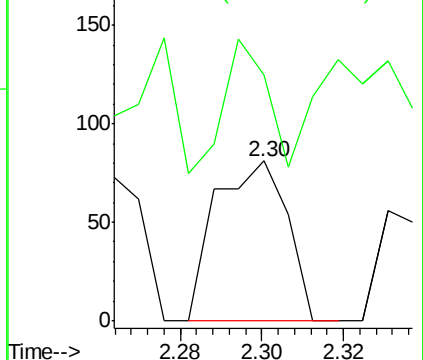
56 100

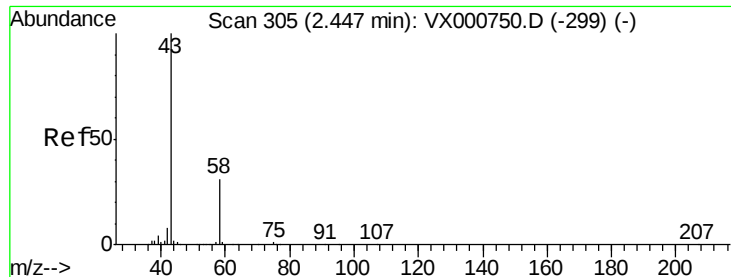
55 41.8 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.682 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

Instrument :

MSVOA_X

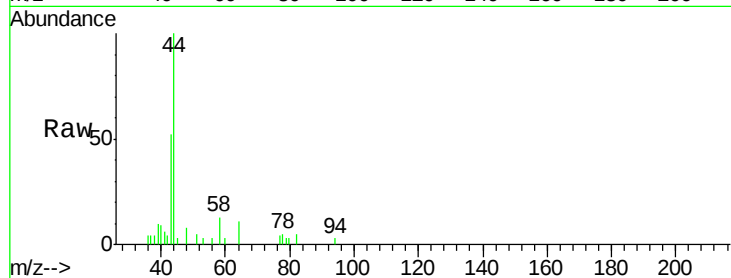
ClientSampleId :

Tot Ion: 43 Resp: 1780

Ion Ratio Lower Upper

43 100

58 29.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

200

0

Time-->

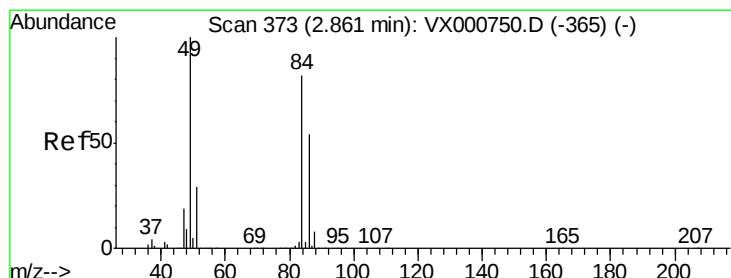
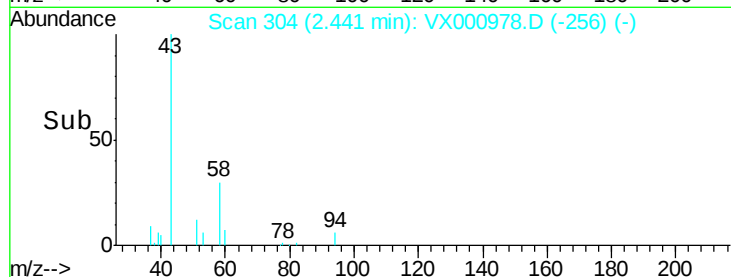
2.35 2.40 2.45 2.50 2.55

2.44

2.45

2.50

2.55



#20

Methylene Chloride

Concen: 0.259 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

Tgt Ion: 84 Resp: 638

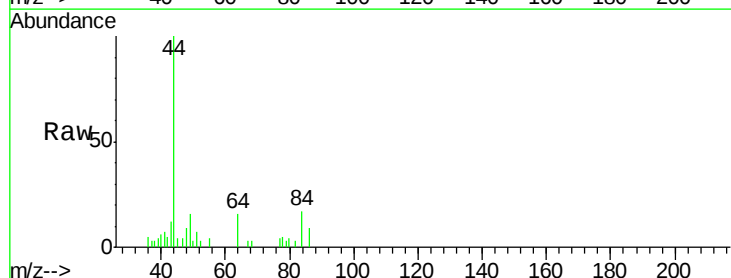
Ion Ratio Lower Upper

84 100

49 92.0 98.1 147.1#

51 40.7 28.9 43.3

86 54.6 52.7 79.1



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

600

400

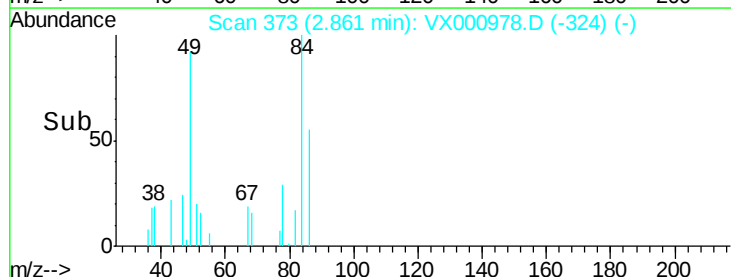
200

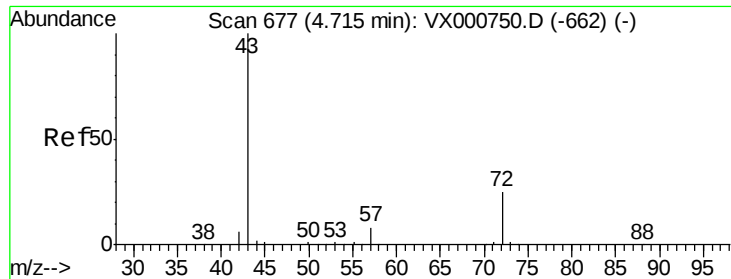
0

Time-->

2.80 2.85 2.90

2.86





#25

2-Butanone

Concen: 0.337 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

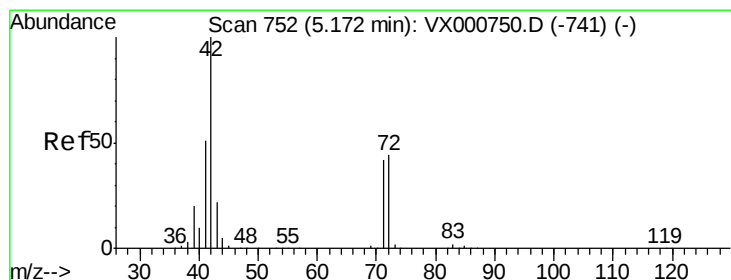
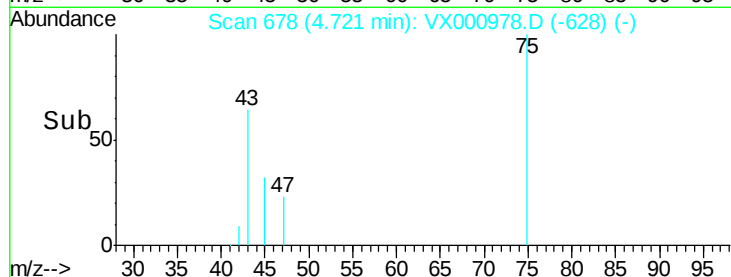
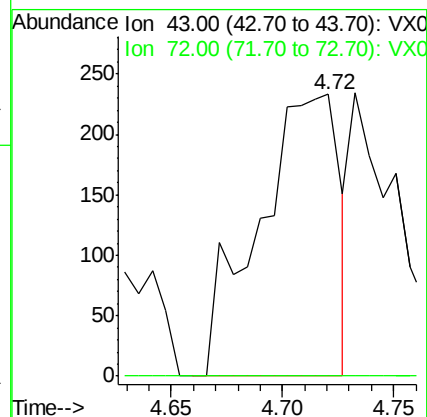
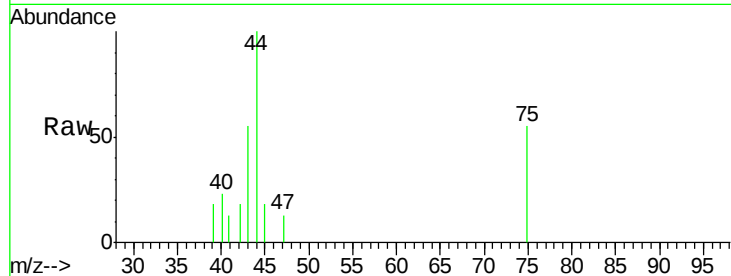
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

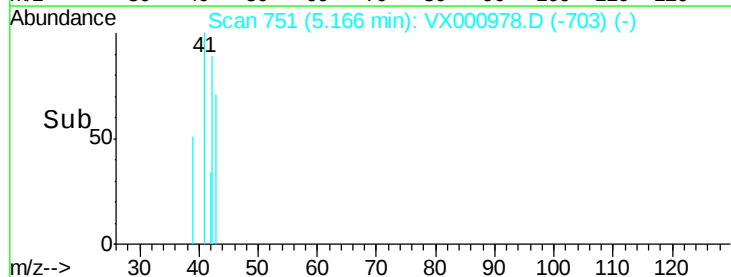
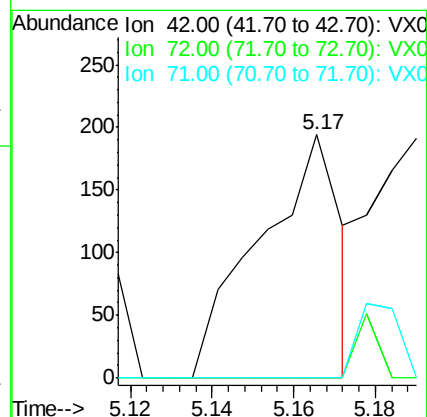
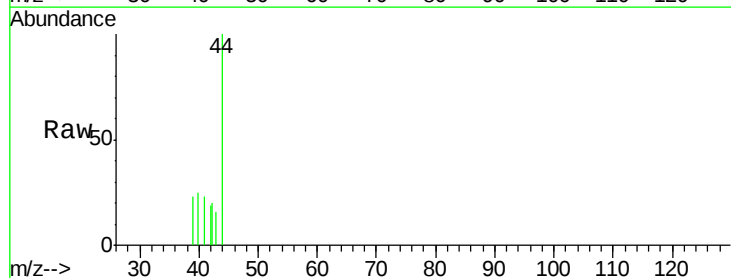
Tgt Ion: 42 Resp: 268

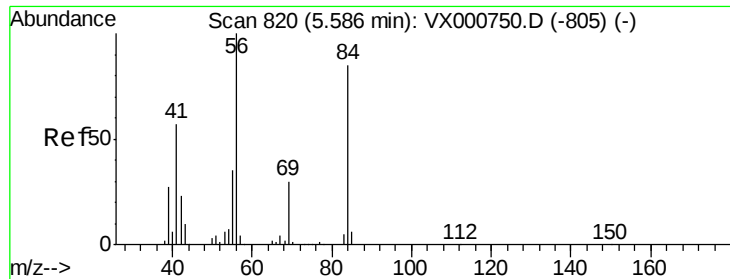
Ion Ratio Lower Upper

42 100

72 7.1 35.1 52.7#

71 15.7 32.8 49.2#

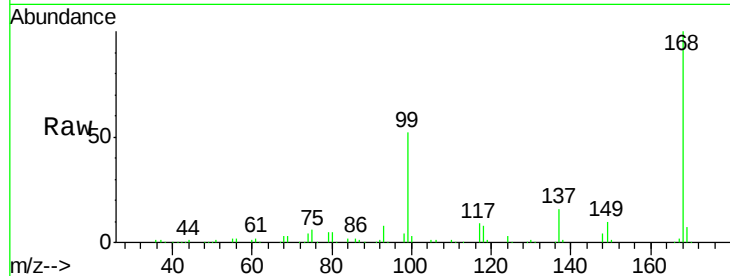




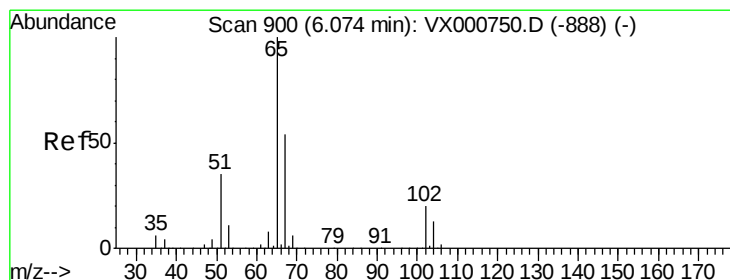
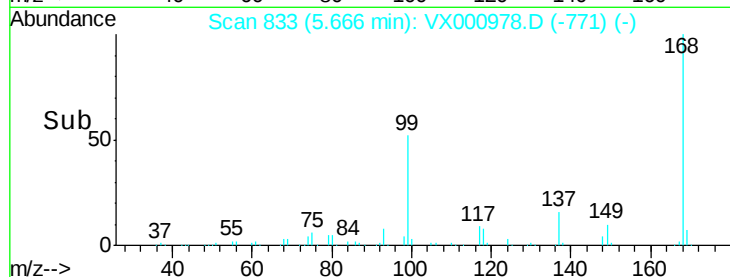
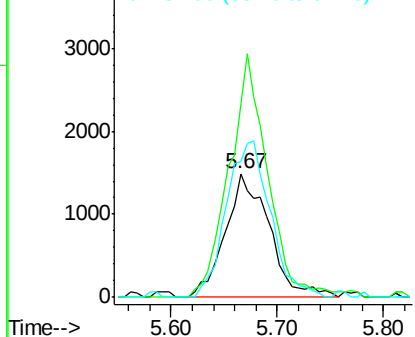
#31
Cyclohexane
Concen: 1.064 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000978.D
Acq: 17 Apr 2018 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4303
Ion Ratio Lower Upper
56 100
69 156.6 24.2 36.4#
84 109.8 67.6 101.4#

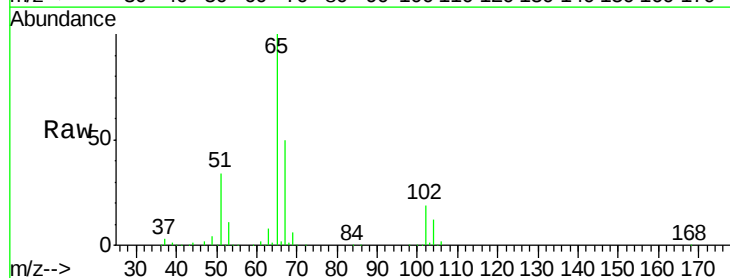


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

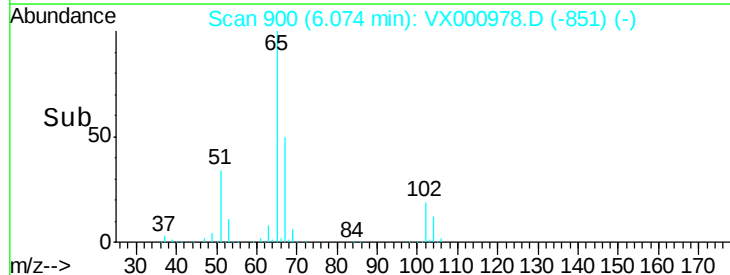
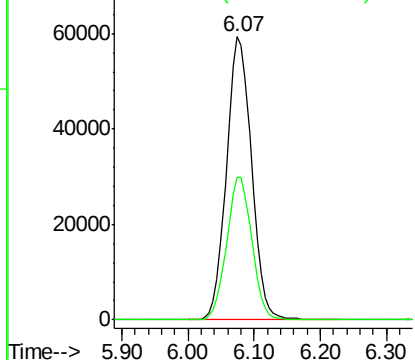


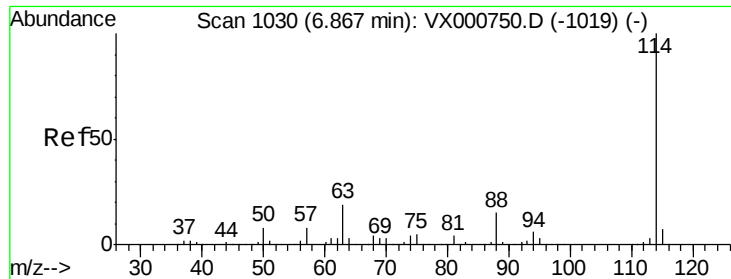
#33
1,2-Dichloroethane-d4
Concen: 50.632 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX000978.D
Acq: 17 Apr 2018 21:05

Tgt Ion: 65 Resp: 155403
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.8



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# 1030

Delta R.T. -0.00 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

Instrument :

MSVOA_X

ClientSampleId :

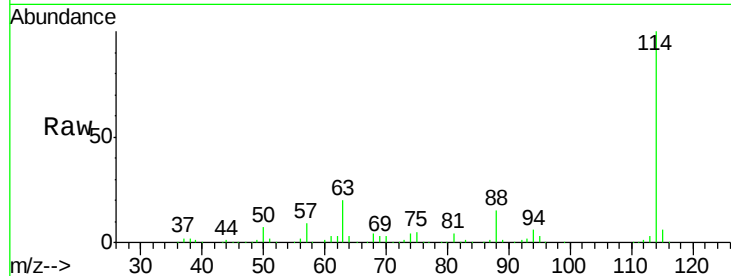
Tot Ion:114 Resp: 343086

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

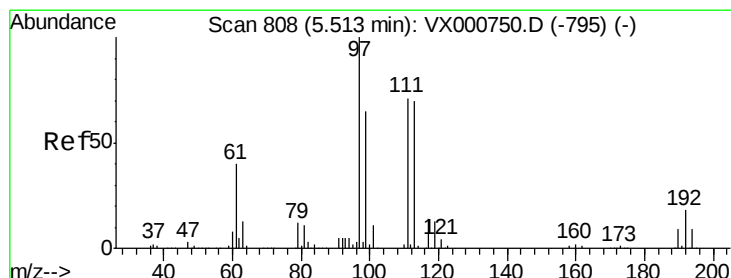
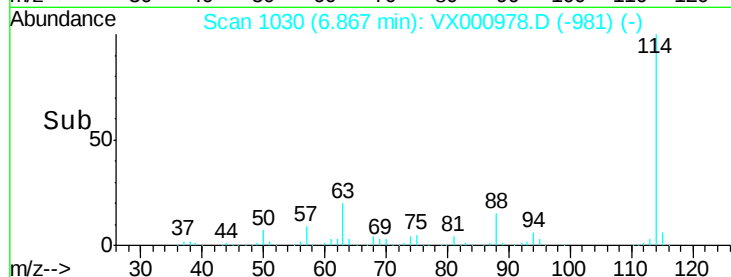
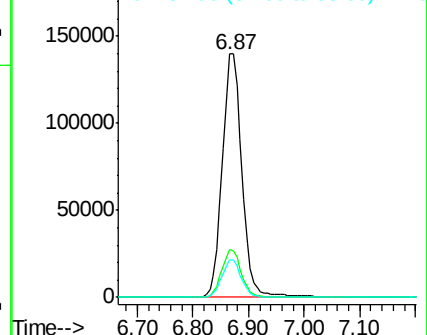
88 15.4 0.0 31.0



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: 45.701 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000978.D

Acq: 17 Apr 2018 21:05

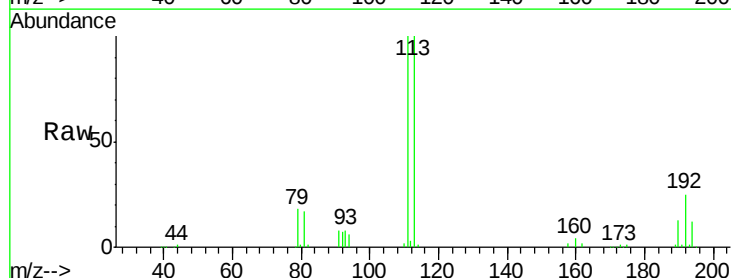
Tgt Ion:113 Resp: 120801

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

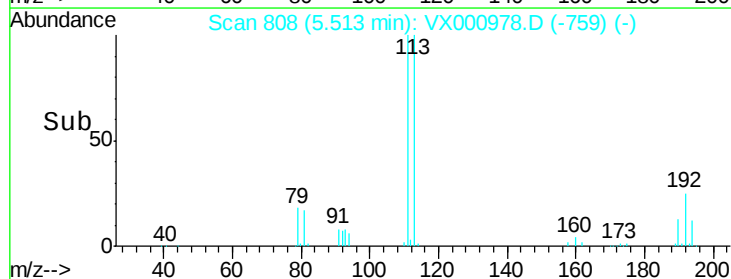
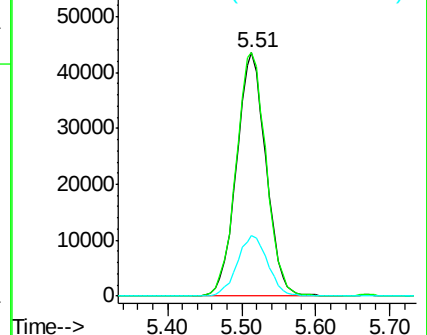
192 25.6 20.4 30.6

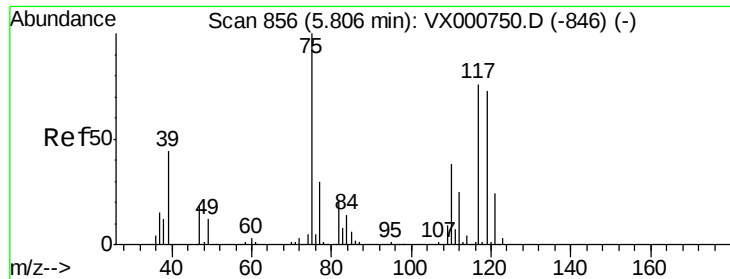


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

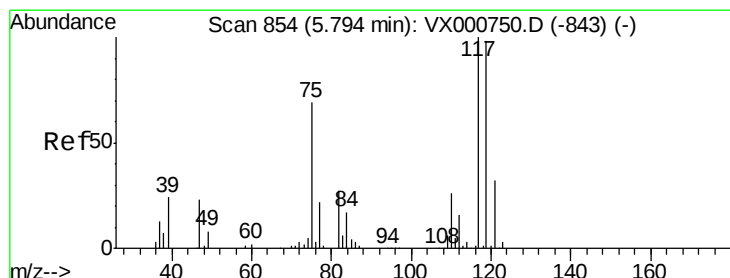
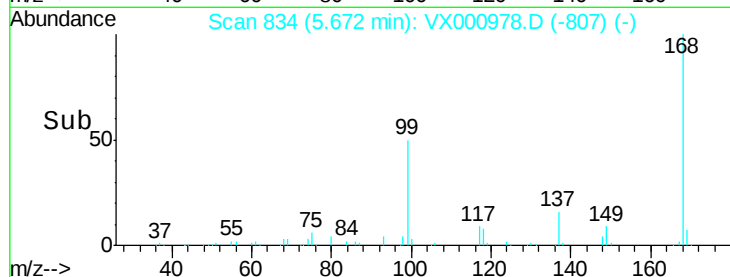
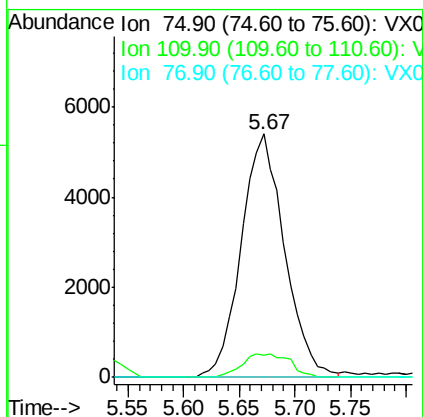
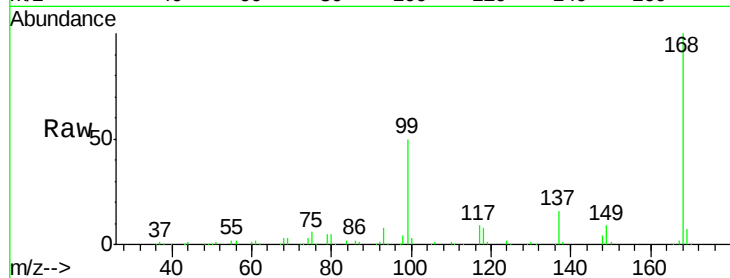




#36
 1,1-Dichloropropene
 Concen: 3.876 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000978.D
 Acq: 17 Apr 2018 21:05

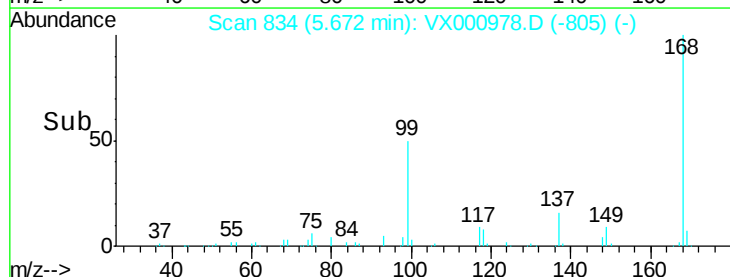
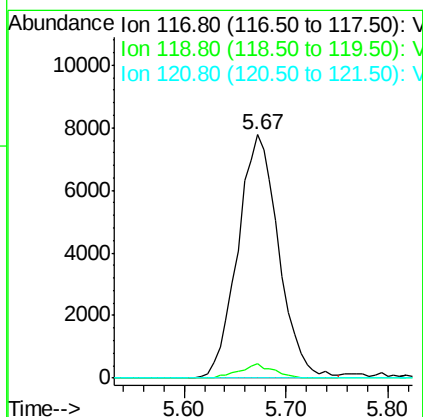
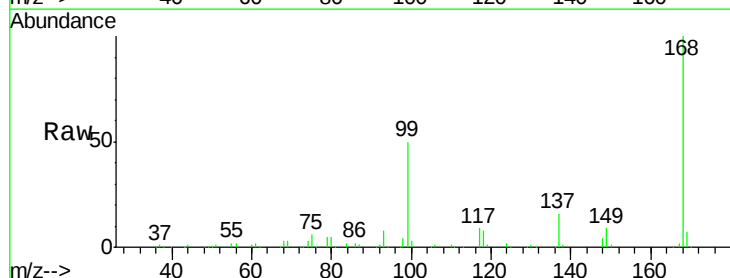
Instrument :
 MSVOA_X
 ClientSampleId :

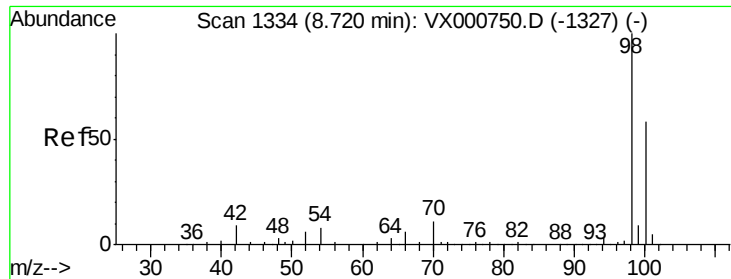
Tot Ion: 75 Resp: 14646
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.111 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000978.D
 Acq: 17 Apr 2018 21:05

Tgt Ion: 117 Resp: 21616
 Ion Ratio Lower Upper
 117 100
 119 6.1 78.4 117.6#
 121 0.0 25.4 38.0#

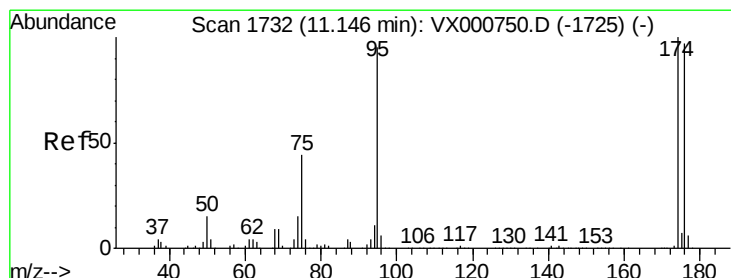
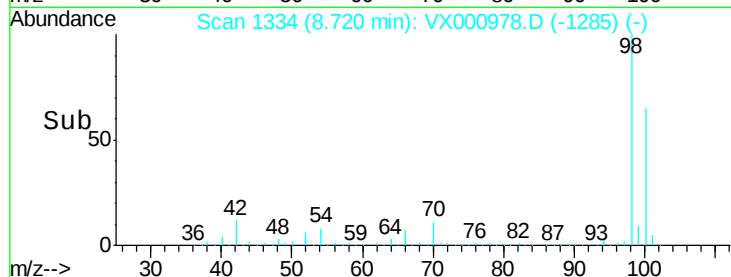
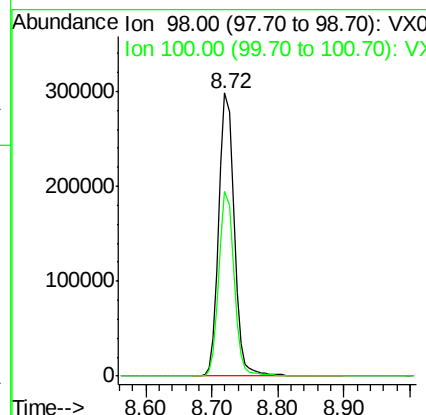
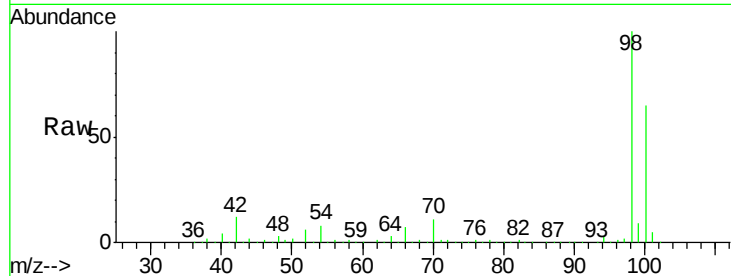




#50
Toluene-d8
Concen: 48.899 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000978.D
Acq: 17 Apr 2018 21:05

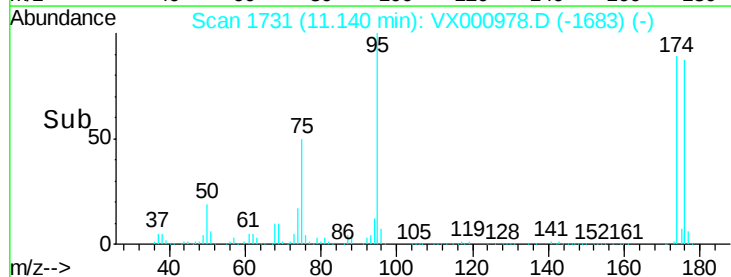
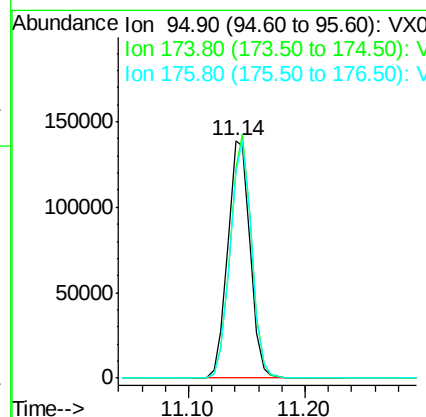
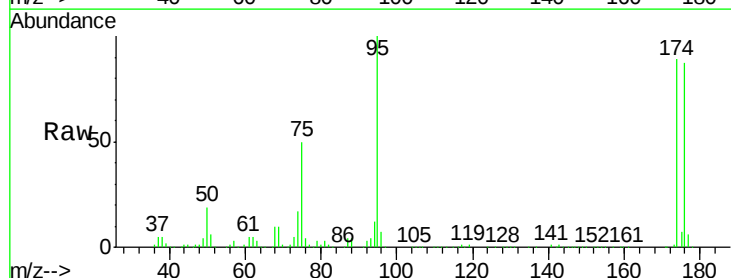
Instrument :
MSVOA_X
ClientSampleId :

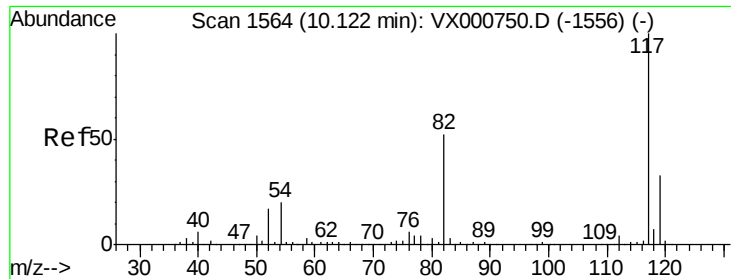
Tot Ion: 98 Resp: 481260
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 45.102 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000978.D
Acq: 17 Apr 2018 21:05

Tgt Ion: 95 Resp: 183650
Ion Ratio Lower Upper
95 100
174 98.2 0.0 198.4
176 96.3 0.0 194.4

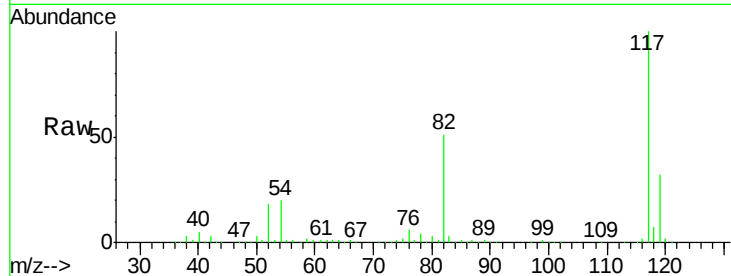




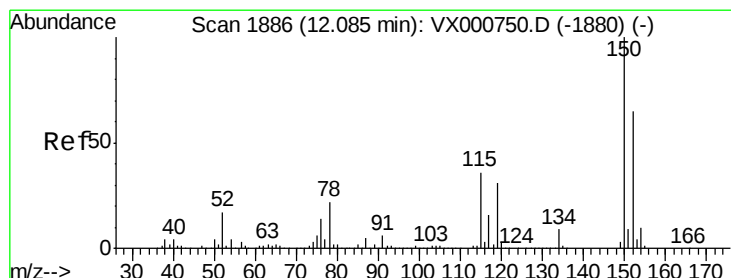
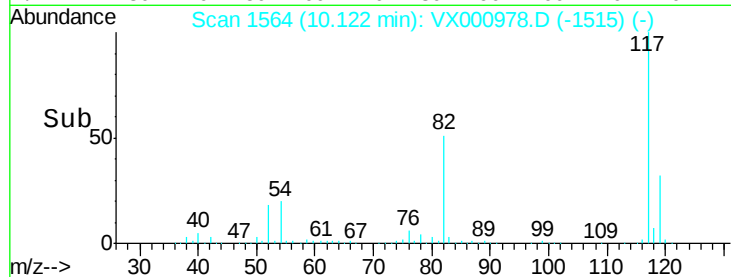
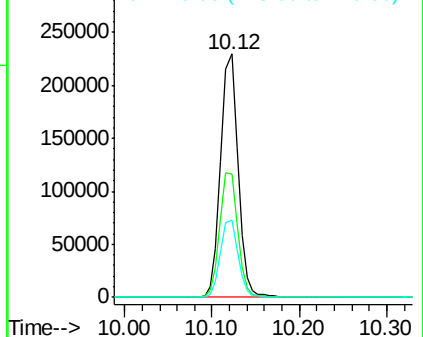
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000978.D
Acq: 17 Apr 2018 21:05

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 318048
Ion Ratio Lower Upper
117 100
82 50.8 41.9 62.9
119 31.7 26.0 39.0

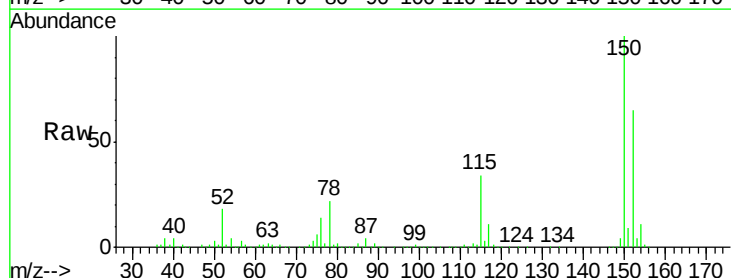


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

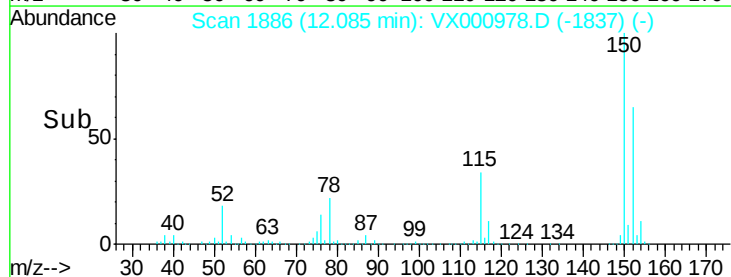
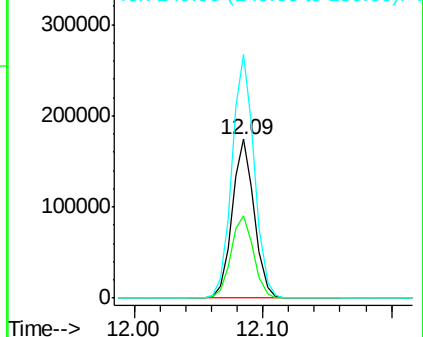


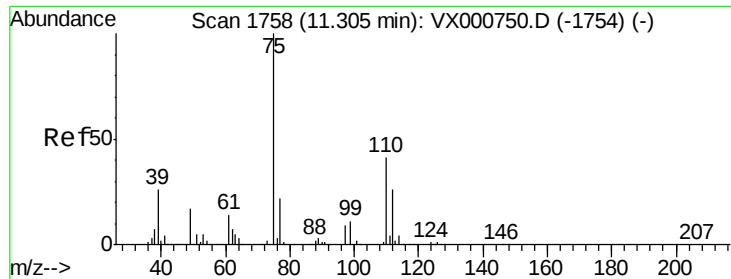
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000978.D
Acq: 17 Apr 2018 21:05

Tgt Ion:152 Resp: 207103
Ion Ratio Lower Upper
152 100
115 53.7 37.9 113.7
150 155.6 0.0 348.0



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

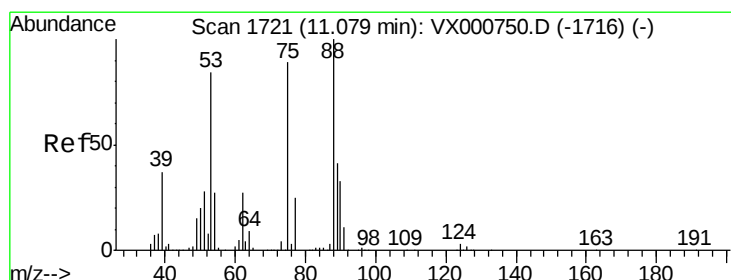
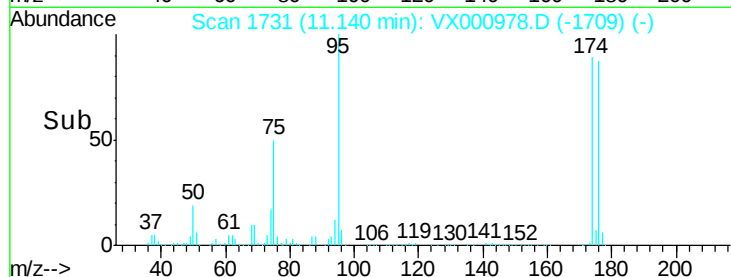
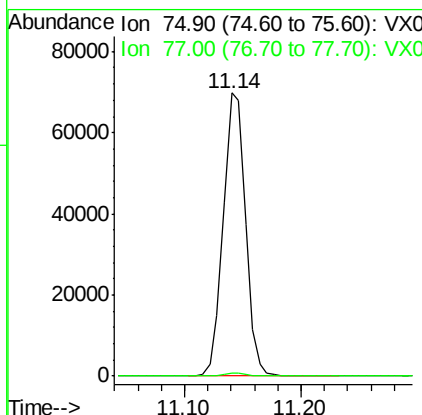
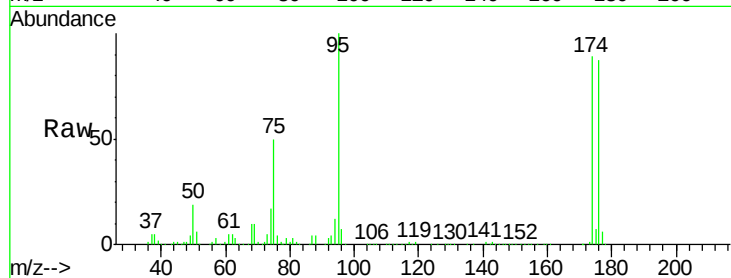




#76
 1,2,3-Trichloropropane
 Concen: 25.859 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000978.D
 Acq: 17 Apr 2018 21:05

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 92360
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.132 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000978.D
 Acq: 17 Apr 2018 21:05

Tgt Ion: 75 Resp: 92360
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

