

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
 Data File : VX000980.D
 Acq On : 17 Apr 2018 21:56
 Operator : JC/MD
 Sample : PB108300ZHE#18 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 04:02:35 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	251782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350670	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209066	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	156999	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	5.51	113	122021	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	8.72	98	486997	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	187000	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

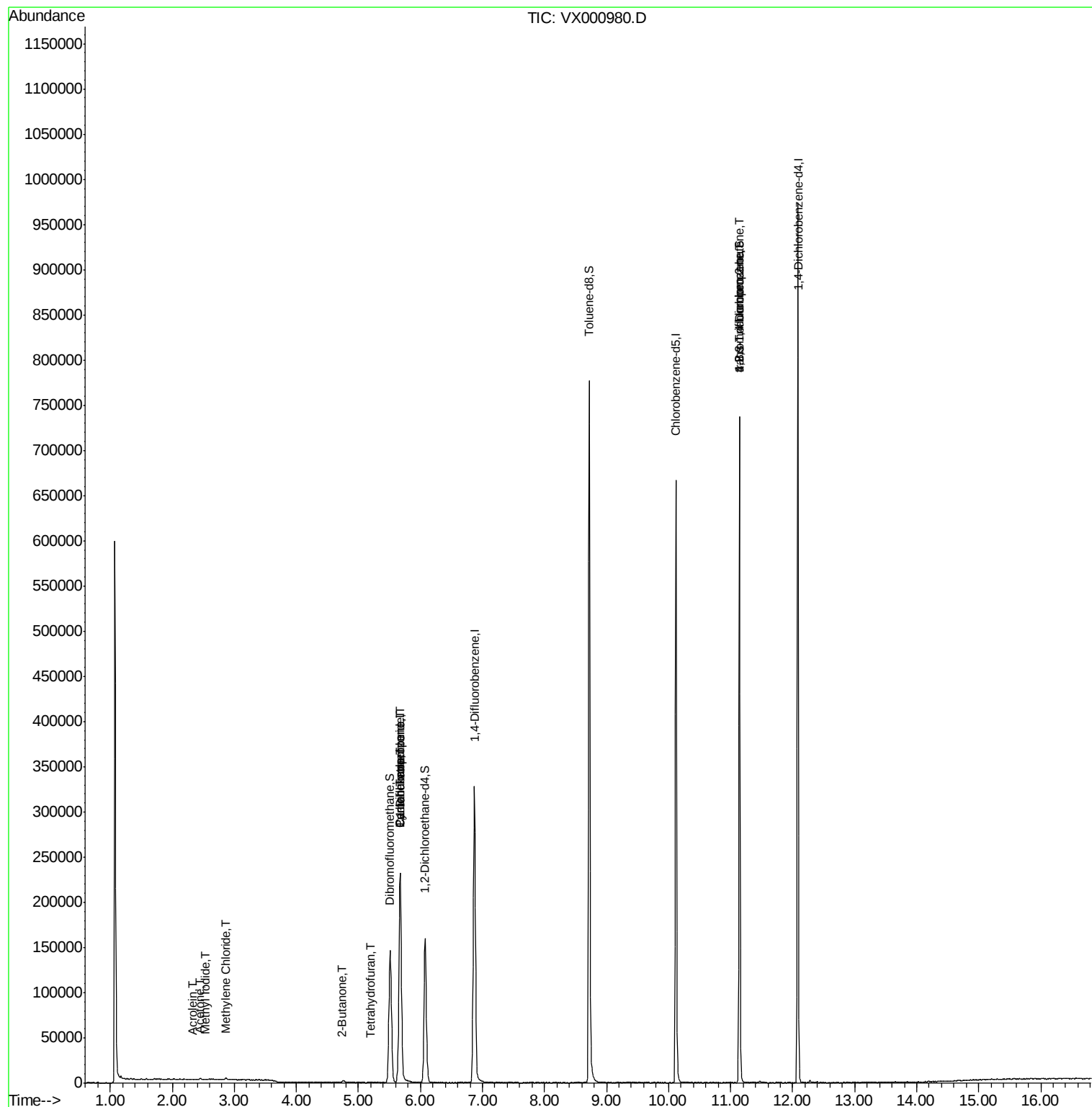
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	222	Below Cal	#	65
10) Methyl Iodide	2.53	142	53	8.254	ug/l #	42
13) Acrolein	2.32	56	80	0.292	ug/l #	13
16) Acetone	2.45	43	1890	1.726	ug/l #	87
20) Methylene Chloride	2.86	84	765	0.300	ug/l	95
25) 2-Butanone	4.72	43	863	0.477	ug/l	99
29) Tetrahydrofuran	5.19	42	675	0.588	ug/l #	35
31) Cyclohexane	5.67	56	4191	1.002	ug/l #	9
36) 1,1-Dichloropropene	5.67	75	15033	3.893	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21434	4.959	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	93030	25.802	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	93030	70.975	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

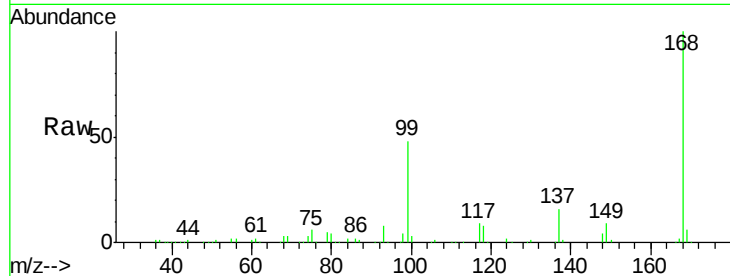
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 251782

Ion Ratio Lower Upper

168 100

99 48.4 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

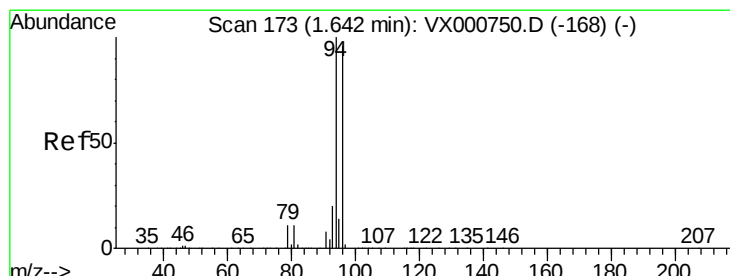
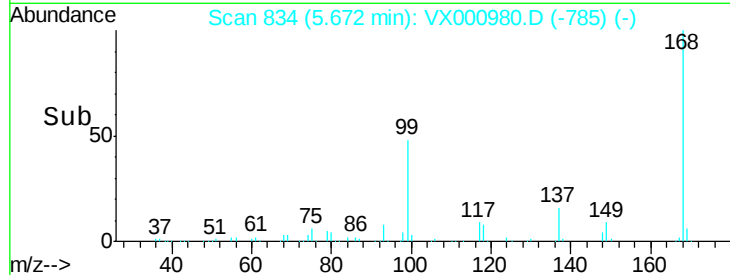
20000

0

Time-->

5.60

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000980.D

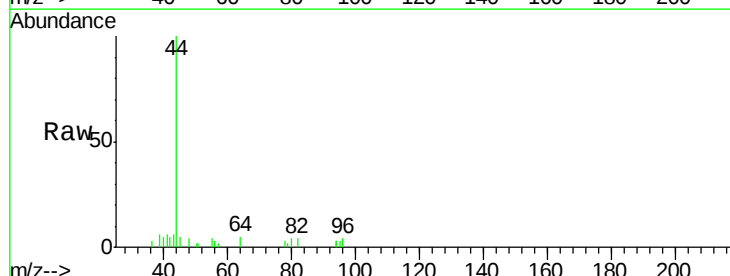
Acq: 17 Apr 2018 21:56

Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

94 100

96 62.1 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

100

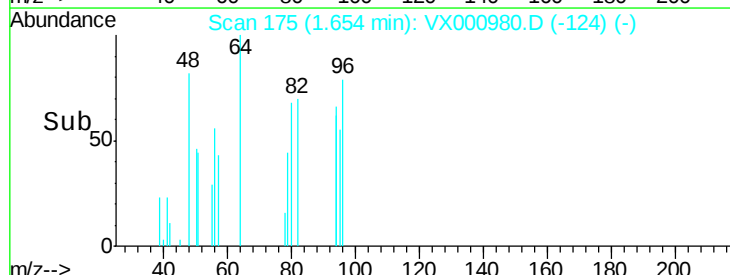
50

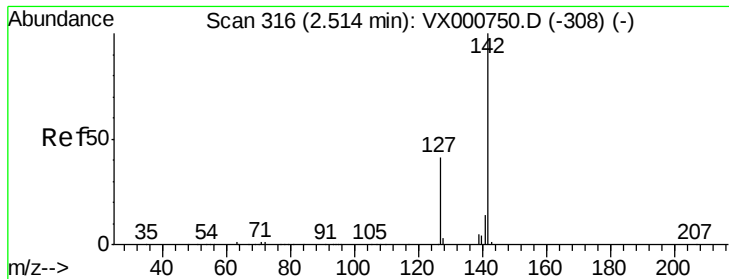
0

Time-->

1.65

1.70





#10

Methvl Iodide

Concen: 8.254 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX000980.D

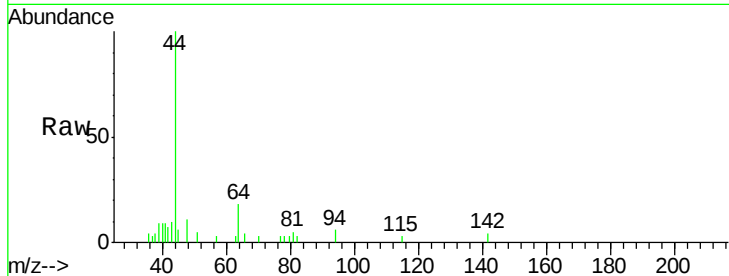
Acq: 17 Apr 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

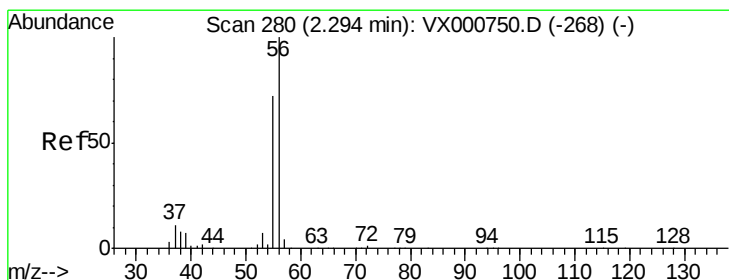
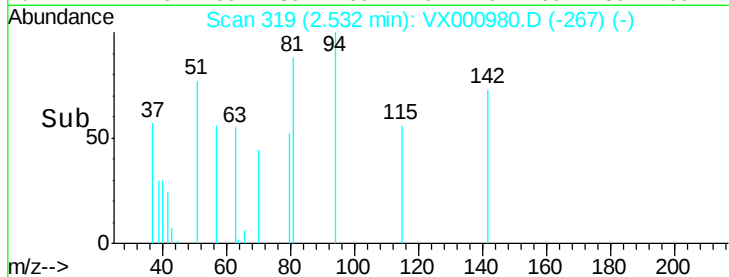
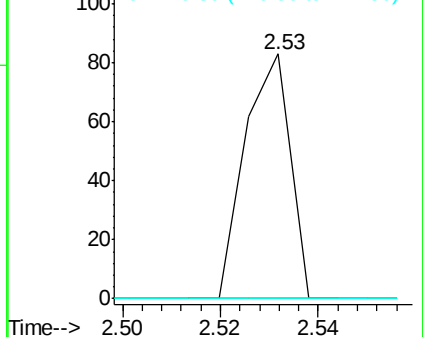
Tot Ion:	142	Resp:	53
Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.6	49.0#
141	0.0	11.5	17.3#



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: 0.292 ug/l

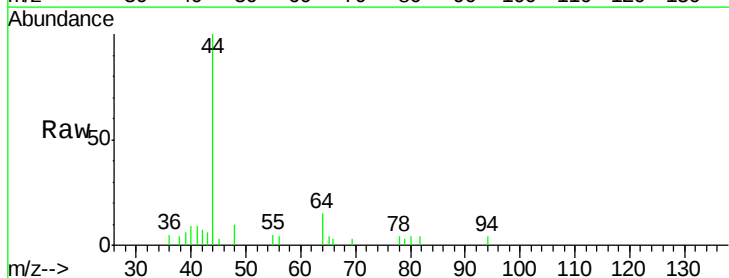
RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX000980.D

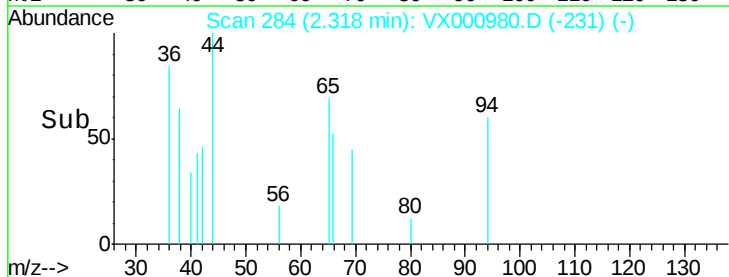
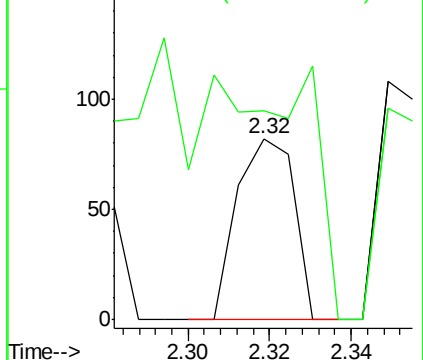
Acq: 17 Apr 2018 21:56

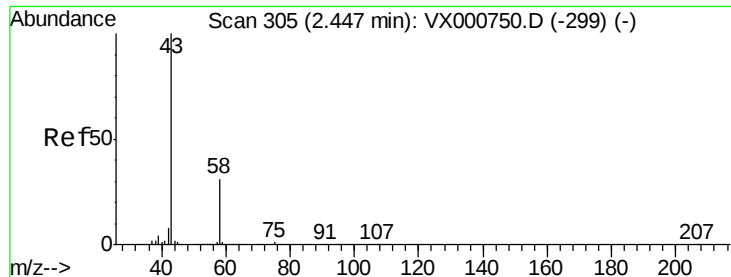
Tgt Ion:	56	Resp:	80
Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.7	88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.726 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

Instrument :

MSVOA_X

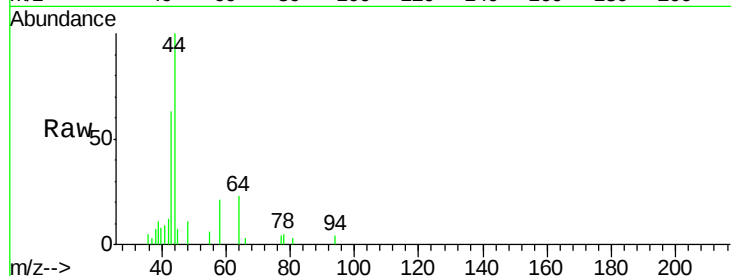
ClientSampled :

Tot Ion: 43 Resp: 1890

Ion Ratio Lower Upper

43 100

58 38.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

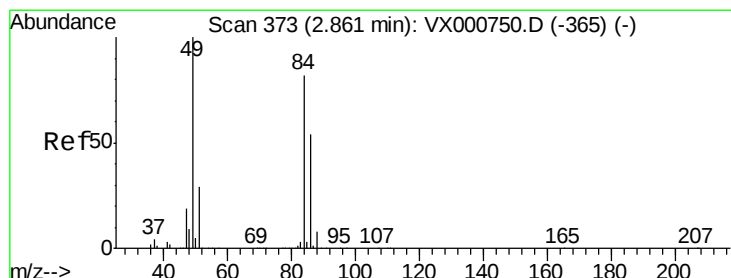
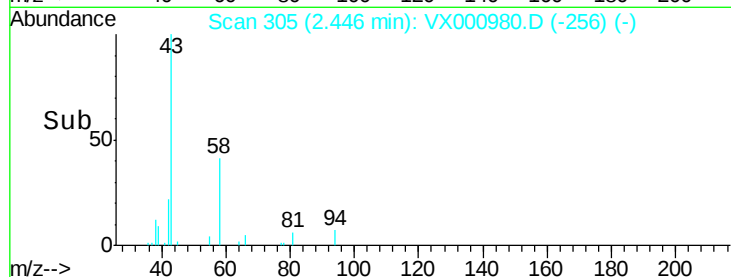
1000

500

0

Time-->

2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.300 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

Tgt Ion: 84 Resp: 765

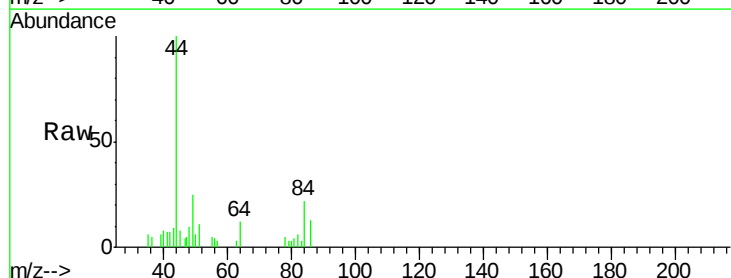
Ion Ratio Lower Upper

84 100

49 115.7 98.1 147.1

51 35.8 28.9 43.3

86 60.8 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

2.86

600

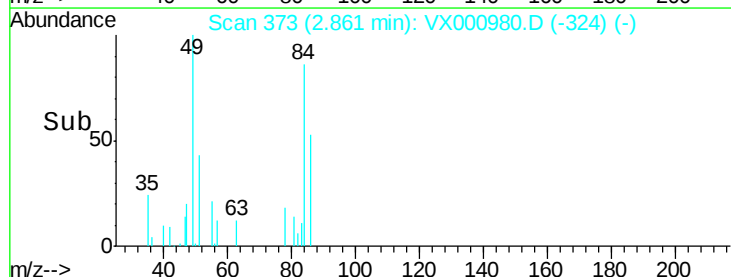
400

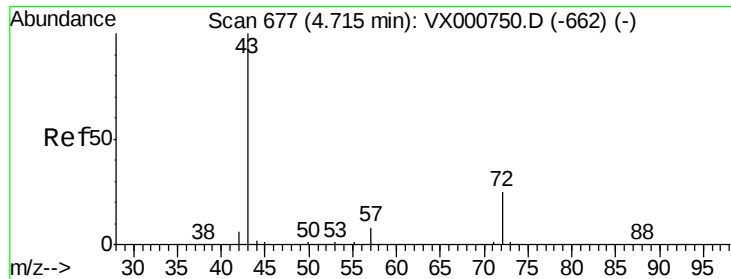
200

0

Time-->

2.80 2.85 2.90





#25

2-Butanone

Concen: 0.477 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

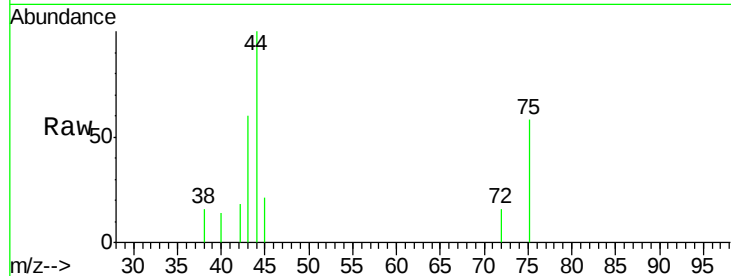
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 863

Ion Ratio Lower Upper

43 100

72 25.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.72

300

200

100

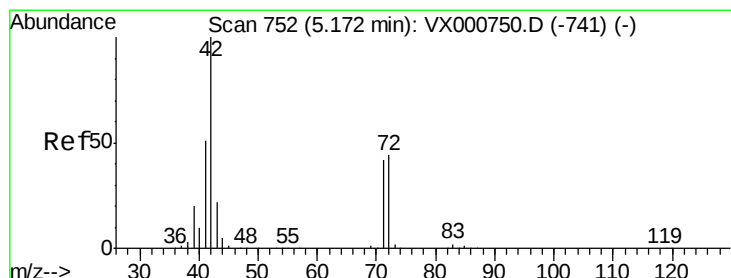
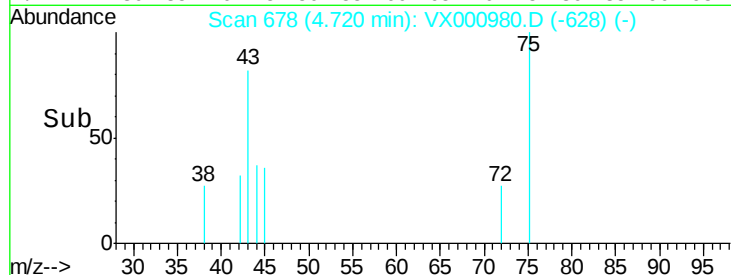
0

4.65

4.70

4.75

Time-->



#29

Tetrahydrofuran

Concen: 0.588 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

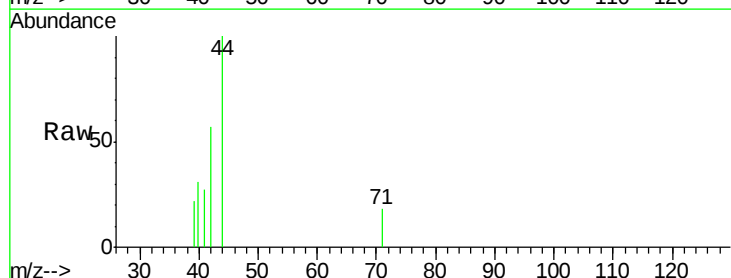
Tgt Ion: 42 Resp: 675

Ion Ratio Lower Upper

42 100

72 2.8 35.1 52.7#

71 0.0 32.8 49.2#



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

5.19

300

250

200

150

100

50

0

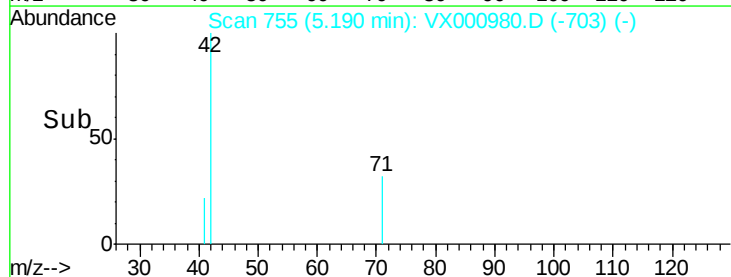
5.10

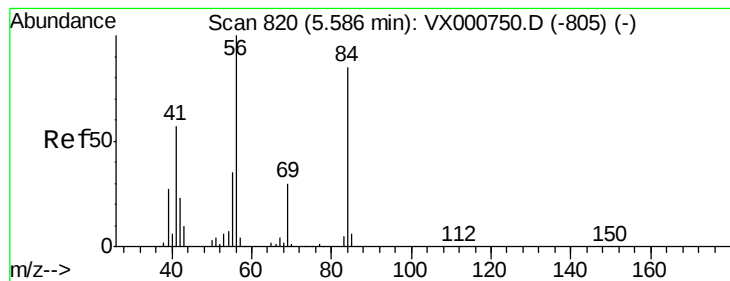
5.15

5.20

5.25

Time-->





#31

Cyclohexane

Concen: 1.002 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

Instrument :
MSVOA_X
ClientSampleId :

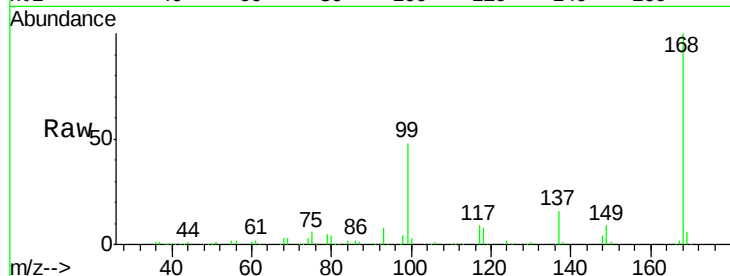
Tot Ion: 56 Resp: 4191

Ion Ratio Lower Upper

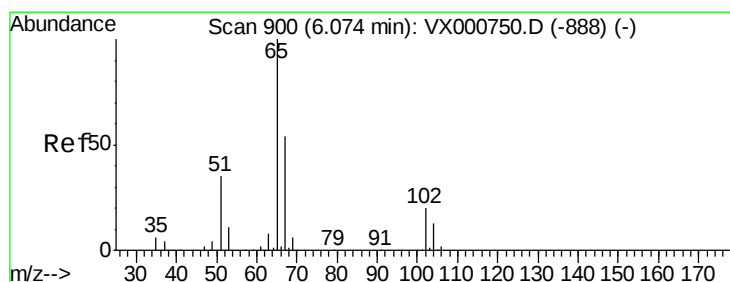
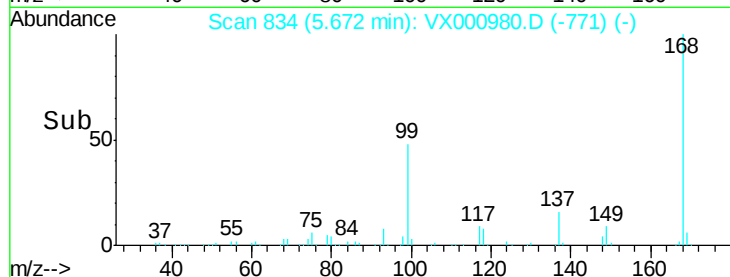
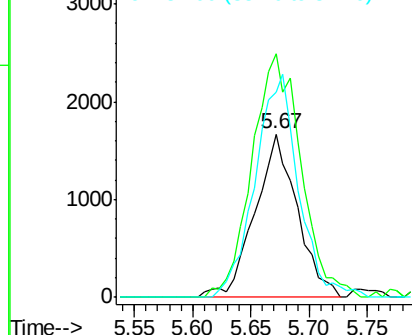
56 100

69 149.2 24.2 36.4#

84 126.1 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: 49.453 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000980.D

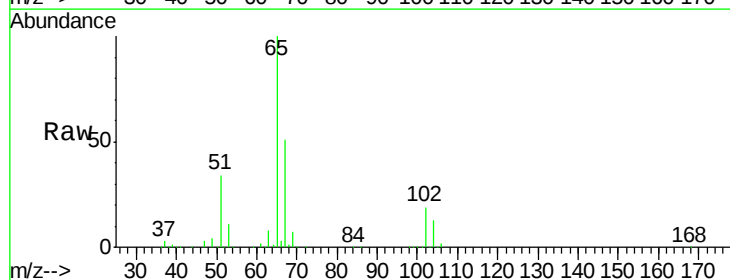
Acq: 17 Apr 2018 21:56

Tgt Ion: 65 Resp: 156999

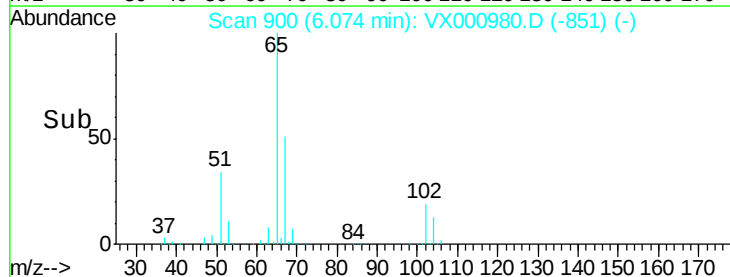
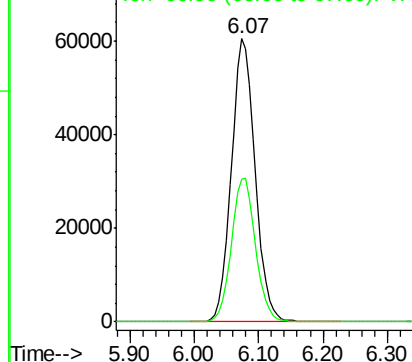
Ion Ratio Lower Upper

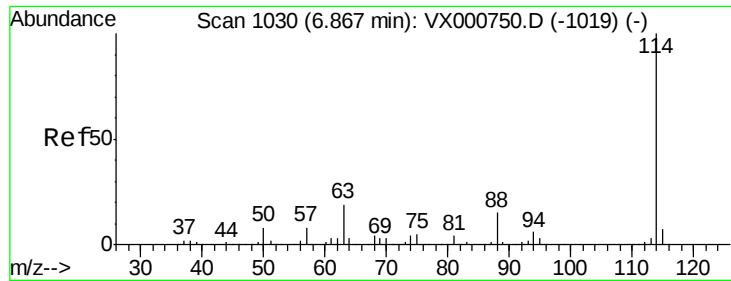
65 100

67 51.4 0.0 103.8



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

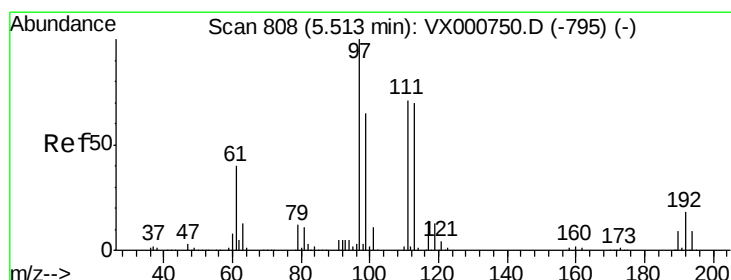
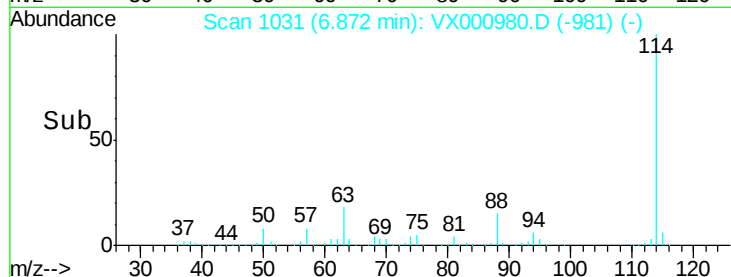
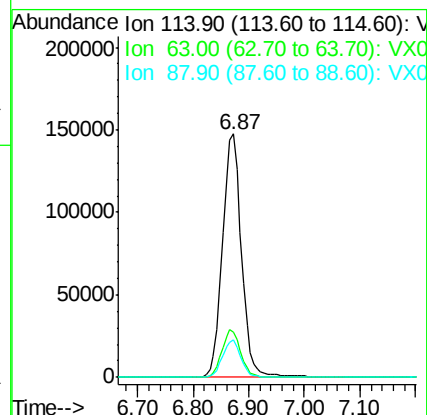
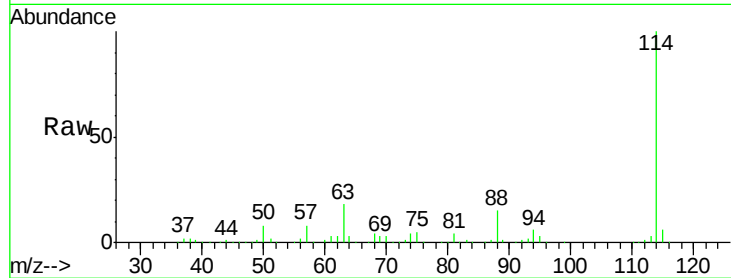




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000980.D
 Acq: 17 Apr 2018 21:56

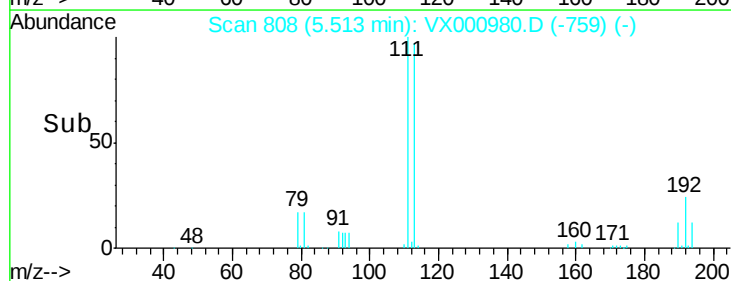
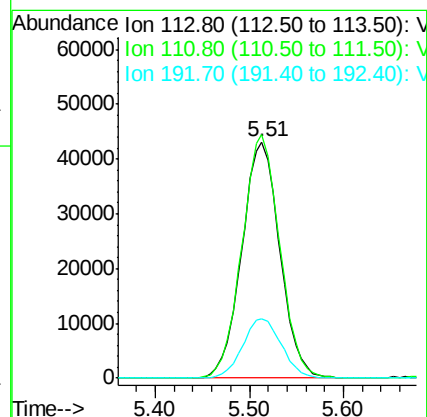
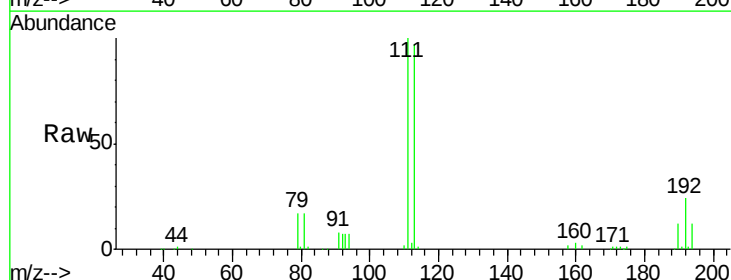
Instrument :
 MSVOA_X
 ClientSampleId :

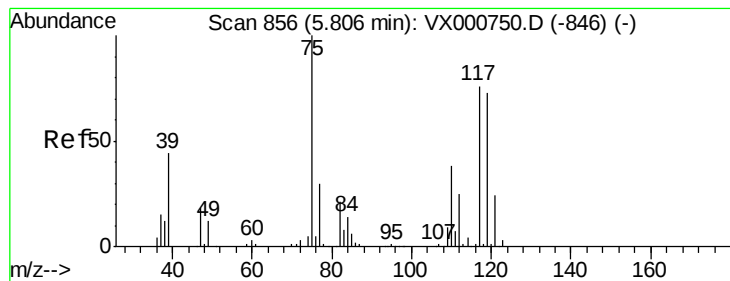
Tot Ion:114 Resp: 350670
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 15.2 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 45.164 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000980.D
 Acq: 17 Apr 2018 21:56

Tgt Ion:113 Resp: 122021
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.5 122.3
 192 25.5 20.4 30.6





#36

1,1-Dichloropropene

Concen: 3.893 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

Instrument :

MSVOA_X

ClientSampleId :

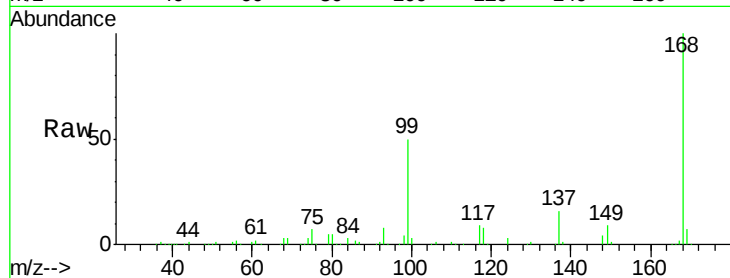
Tot Ion: 75 Resp: 15033

Ion Ratio Lower Upper

75 100

110 10.1 19.2 57.6#

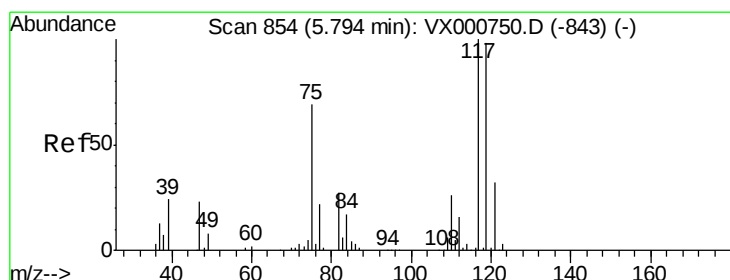
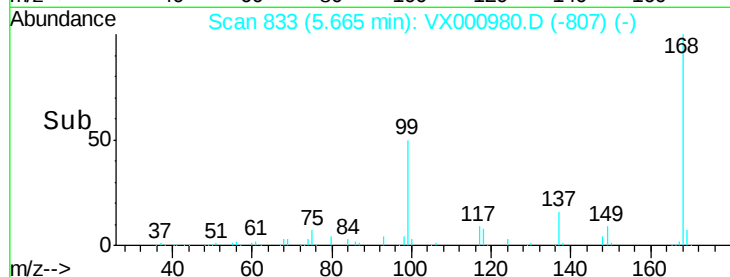
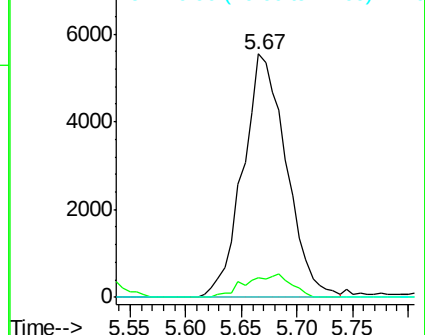
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX000980.D (-807) (-)

Ion 109.90 (109.60 to 110.60): VX000980.D (-807) (-)

Ion 76.90 (76.60 to 77.60): VX000980.D (-807) (-)



#38

Carbon Tetrachloride

Concen: 4.959 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

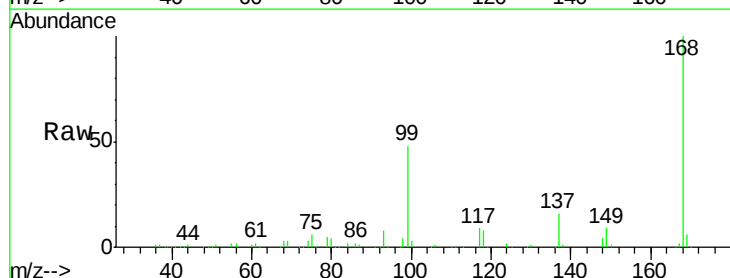
Tgt Ion: 117 Resp: 21434

Ion Ratio Lower Upper

117 100

119 4.7 78.4 117.6#

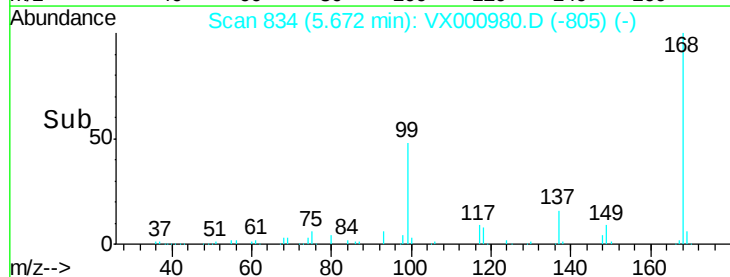
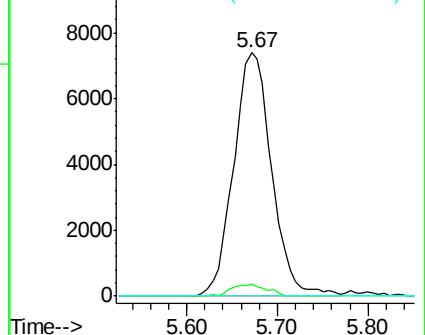
121 0.0 25.4 38.0#

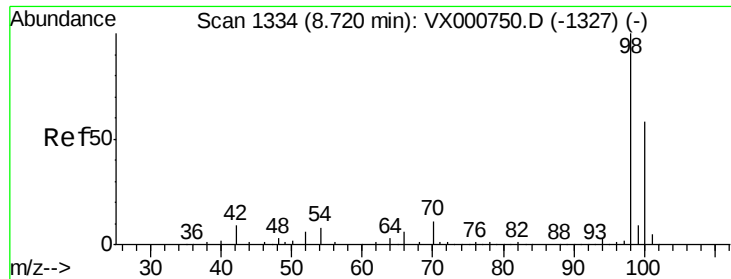


Abundance Ion 116.80 (116.50 to 117.50): VX000980.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX000980.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX000980.D (-805) (-)





#50

Toluene-d8

Concen: 48.412 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

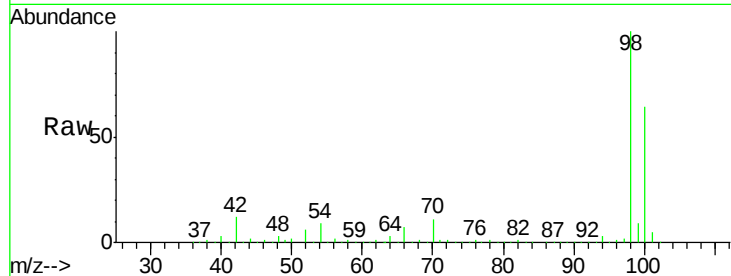
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 486997

Ion Ratio Lower Upper

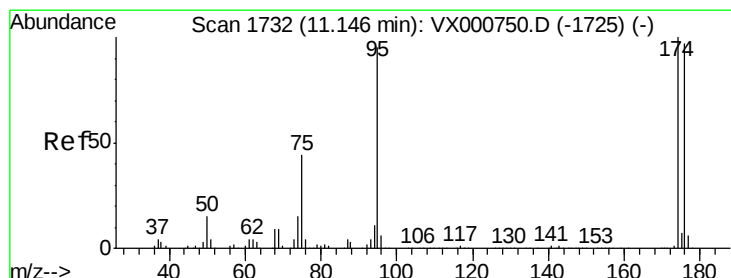
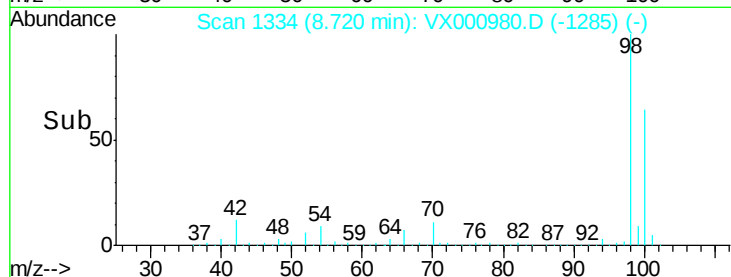
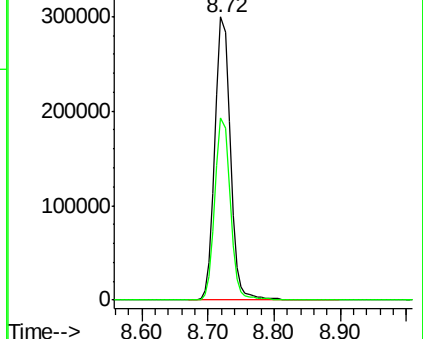
98 100

100 64.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.931 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000980.D

Acq: 17 Apr 2018 21:56

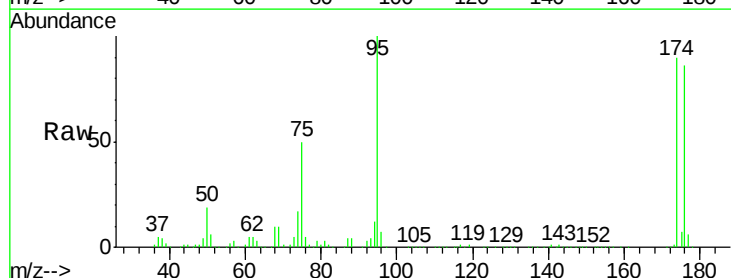
Tgt Ion: 95 Resp: 187000

Ion Ratio Lower Upper

95 100

174 98.1 0.0 198.4

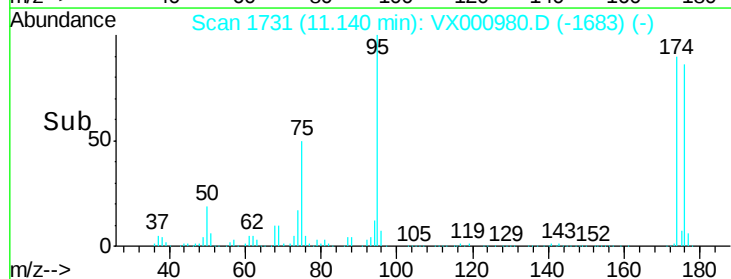
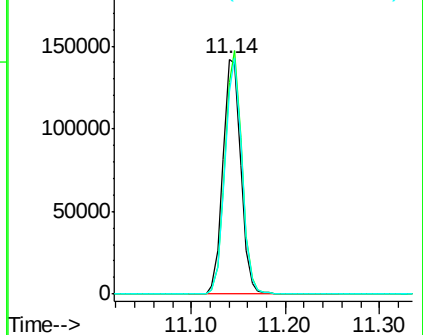
176 95.1 0.0 194.4

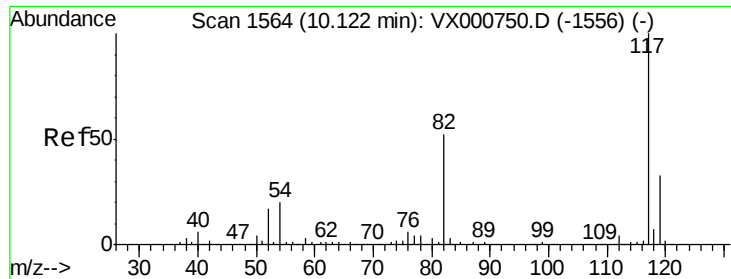


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

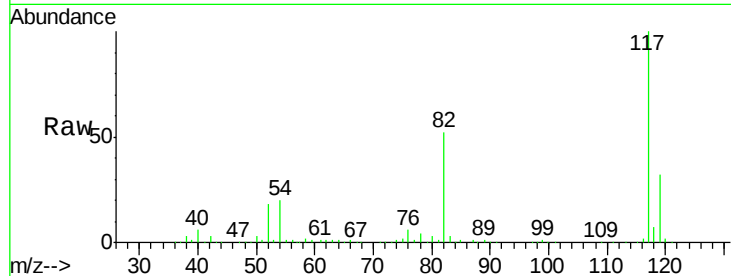




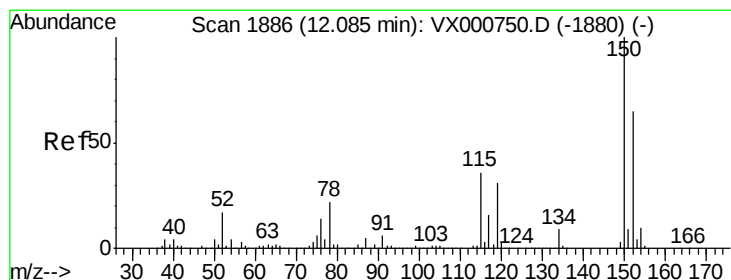
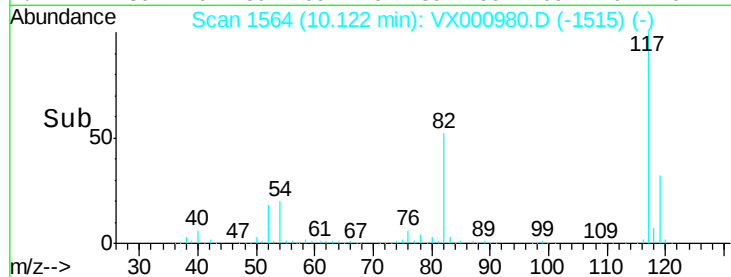
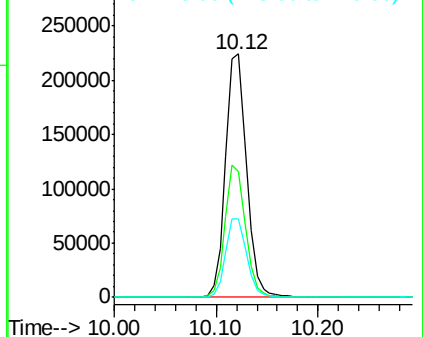
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000980.D
Acq: 17 Apr 2018 21:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 321329
Ion Ratio Lower Upper
117 100
82 51.8 41.9 62.9
119 32.3 26.0 39.0

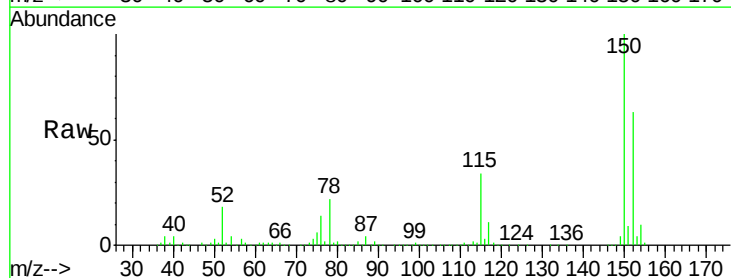


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

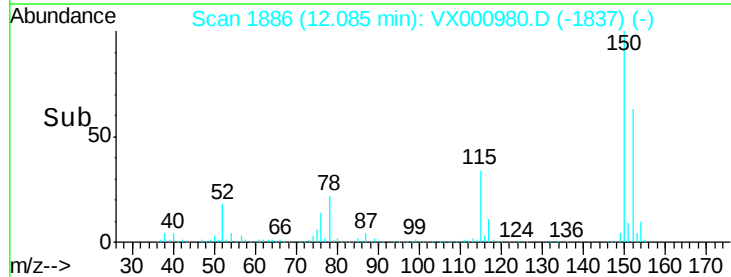
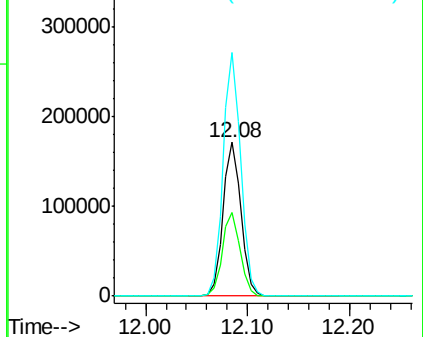


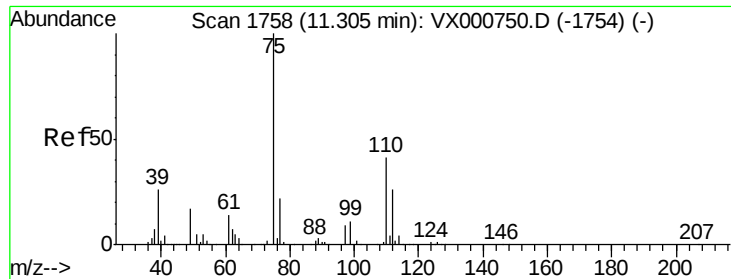
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000980.D
Acq: 17 Apr 2018 21:56

Tgt Ion:152 Resp: 209066
Ion Ratio Lower Upper
152 100
115 54.0 37.9 113.7
150 156.7 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

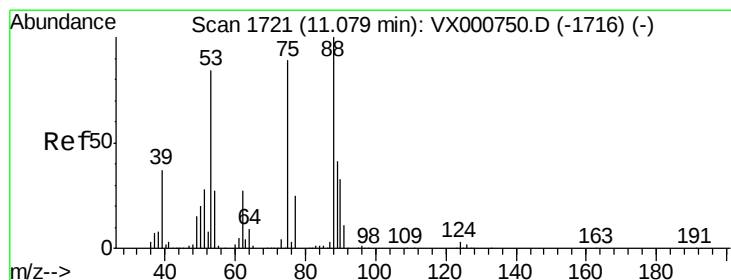
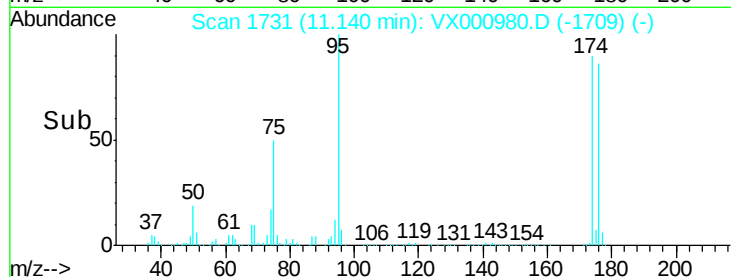
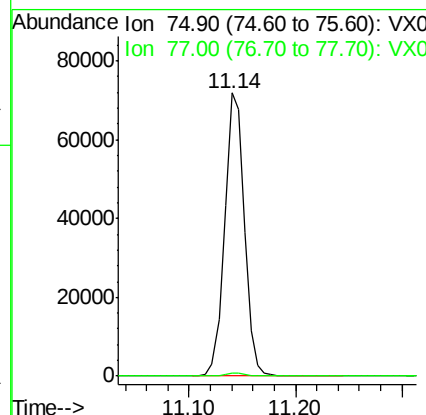
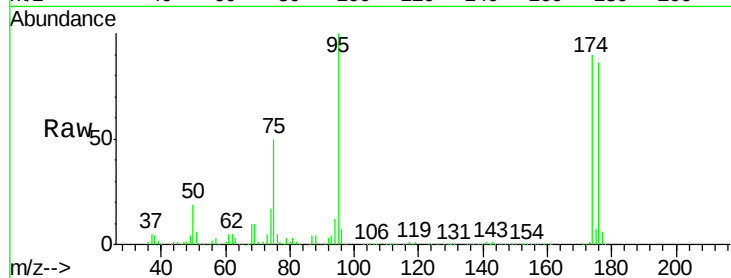




#76
 1,2,3-Trichloropropane
 Concen: 25.802 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000980.D
 Acq: 17 Apr 2018 21:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 93030
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.975 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000980.D
 Acq: 17 Apr 2018 21:56

Tgt Ion: 75 Resp: 93030
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.4 113.0#
 89 0.0 40.9 61.3#

