

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000946.D
 Acq On : 17 Apr 2018 03:43
 Operator : JC/MD
 Sample : PB108244TB 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 05:53:37 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	260632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	217055	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	160902	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	5.51	113	126388	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
50) Toluene-d8	8.72	98	502027	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.14	95	193591	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

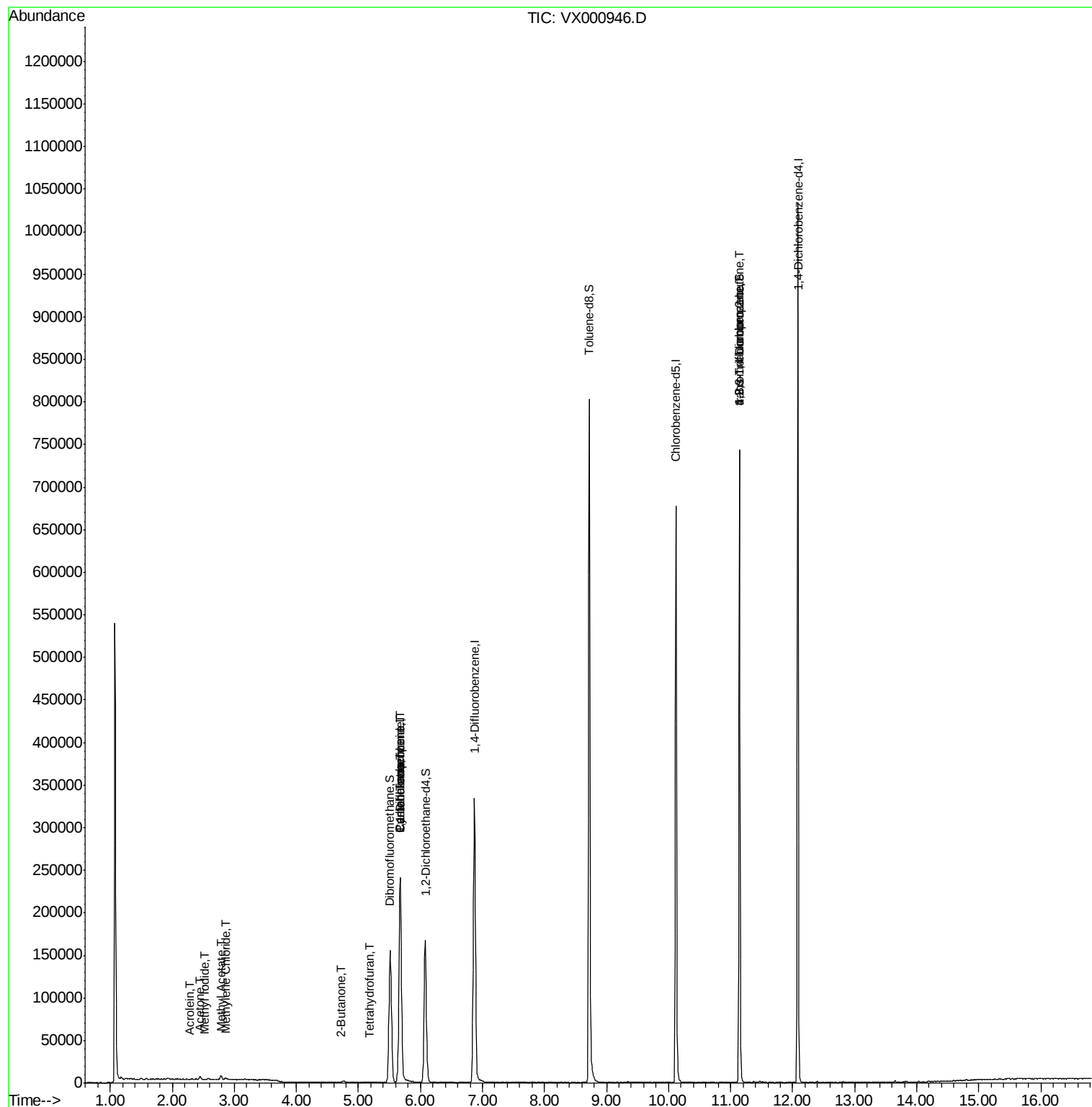
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	303	Below Cal		89
10) Methyl Iodide	2.53	142	143	8.291	ug/l #	57
13) Acrolein	2.28	56	146	0.515	ug/l #	1
16) Acetone	2.45	43	3994	3.524	ug/l	99
18) Methyl Acetate	2.78	43	5468	1.864	ug/l	95
20) Methylene Chloride	2.87	84	947	0.359	ug/l #	89
25) 2-Butanone	4.71	43	1645	0.879	ug/l #	50
29) Tetrahydrofuran	5.19	42	633	0.533	ug/l #	67
31) Cyclohexane	5.67	56	4339	1.002	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15716	3.969	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22446	5.065	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	96700	25.833	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	96700	71.060	ug/l #	11

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
Data File : VX000946.D
Acq On : 17 Apr 2018 03:43
Operator : JC/MD
Sample : PB108244TB 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 17 05:53:37 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

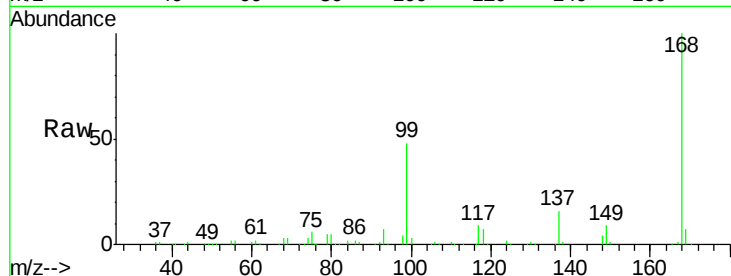
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 260632

Ion Ratio Lower Upper

168 100

99 48.1 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

100000

80000

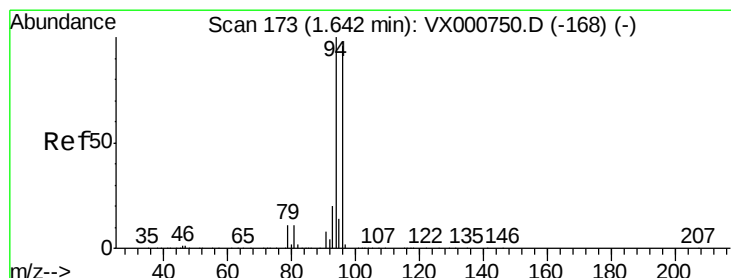
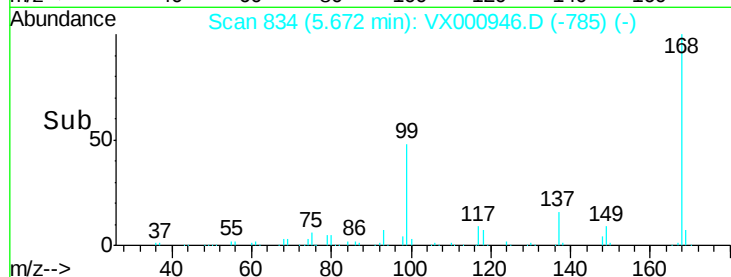
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000946.D

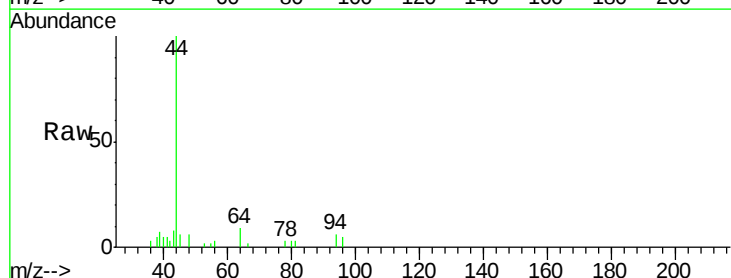
Acq: 17 Apr 2018 03:43

Tgt Ion: 94 Resp: 303

Ion Ratio Lower Upper

94 100

96 85.9 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

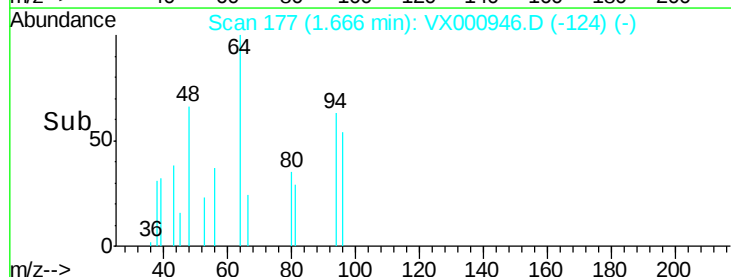
150

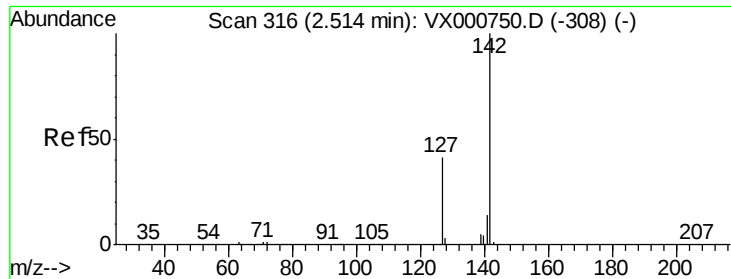
100

50

0

Time--> 1.60 1.65 1.70

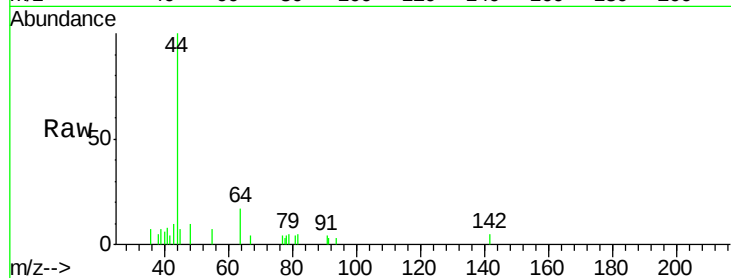




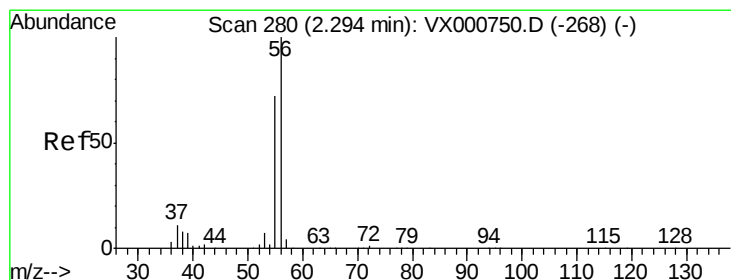
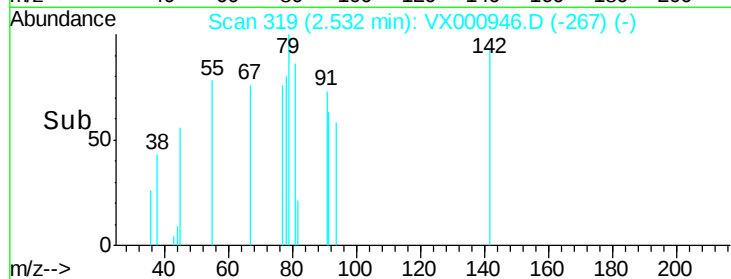
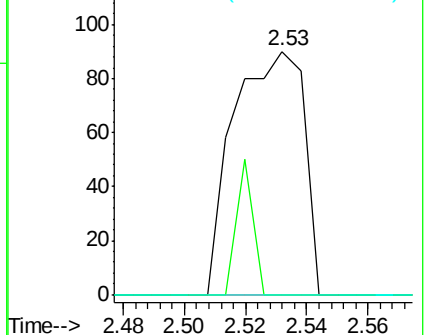
#10
Methvl Iodide
Concen: 8.291 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX000946.D
Acq: 17 Apr 2018 03:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 12.6 32.6 49.0#
141 0.0 11.5 17.3#

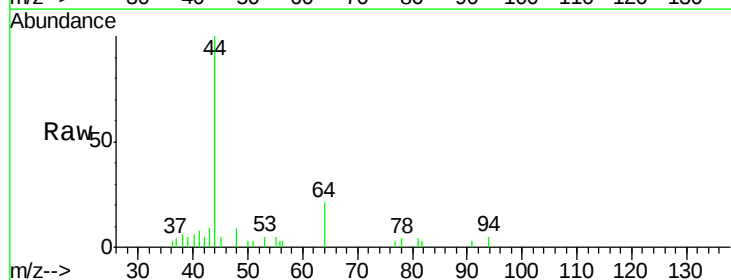


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

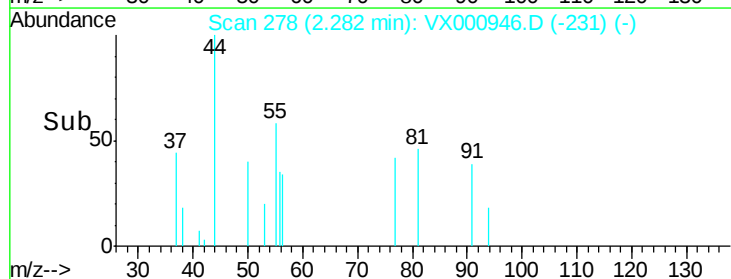
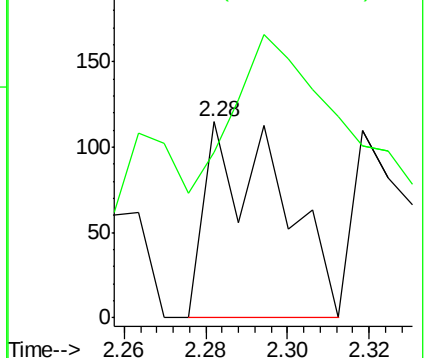


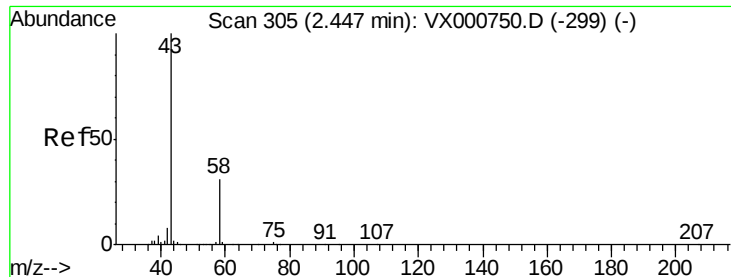
#13
Acrolein
Concen: 0.515 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX000946.D
Acq: 17 Apr 2018 03:43

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 268.5 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: 3.524 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :

MSVOA_X

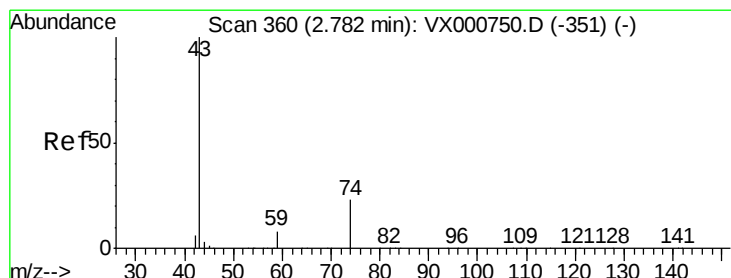
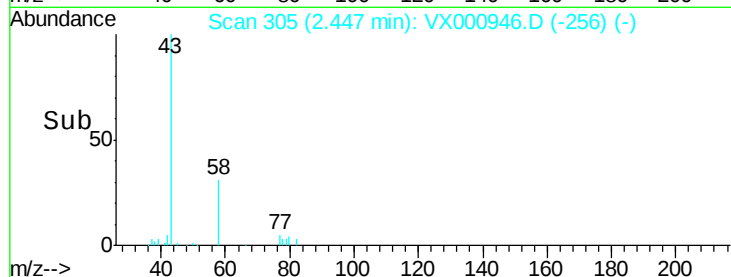
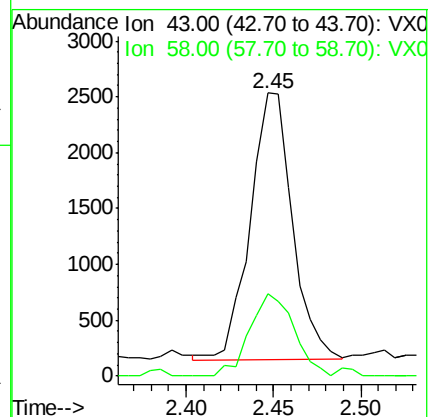
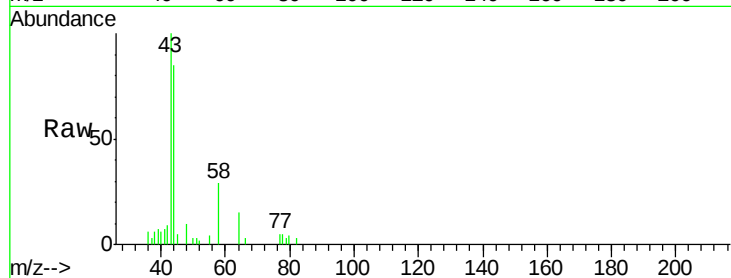
ClientSampled :

Tot Ion: 43 Resp: 3994

Ion Ratio Lower Upper

43 100

58 31.3 24.6 37.0



#18

Methyl Acetate

Concen: 1.864 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000946.D

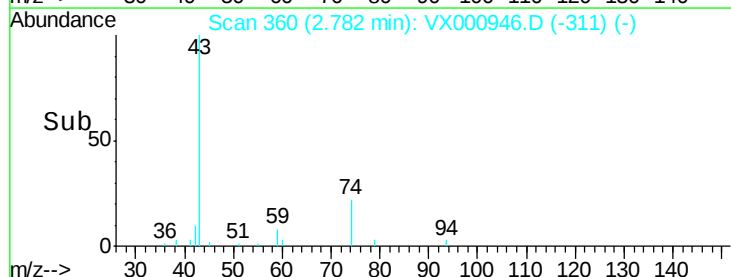
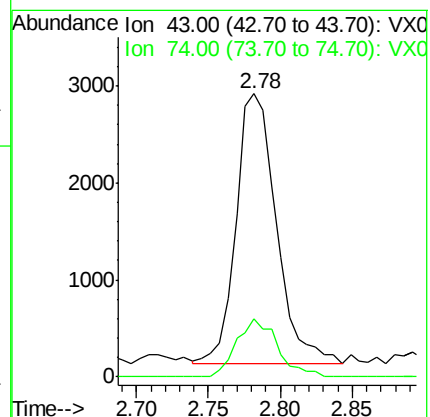
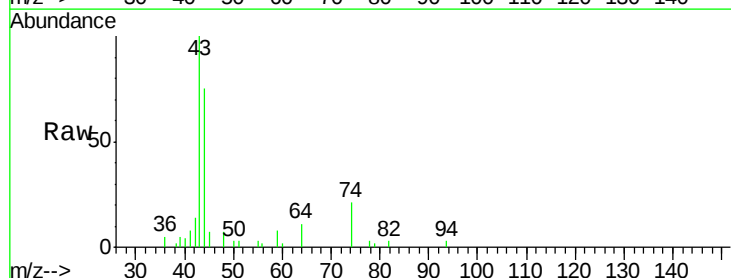
Acq: 17 Apr 2018 03:43

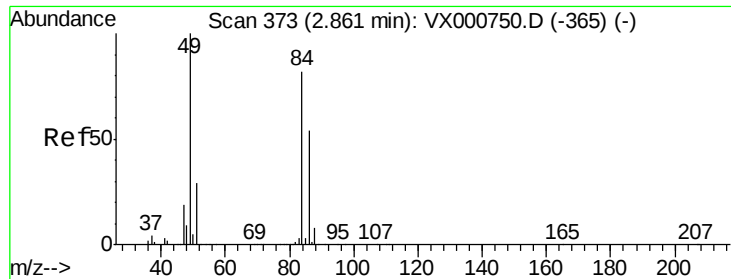
Tgt Ion: 43 Resp: 5468

Ion Ratio Lower Upper

43 100

74 21.7 19.1 28.7





#20

Methylene Chloride

Concen: 0.359 ug/l

RT: 2.87 min Scan# 374

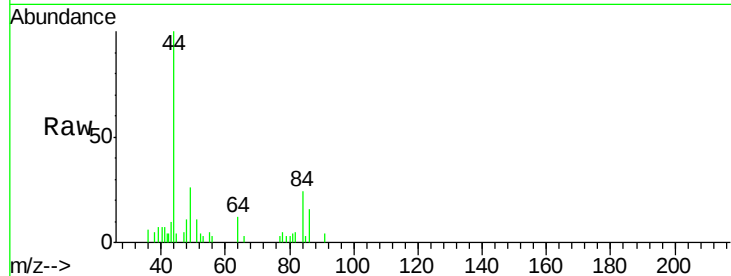
Delta R.T. 0.01 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	947
Ion	Ratio	Lower	Upper
84	100		
49	106.4	98.1	147.1
51	46.5	28.9	43.3#
86	66.9	52.7	79.1

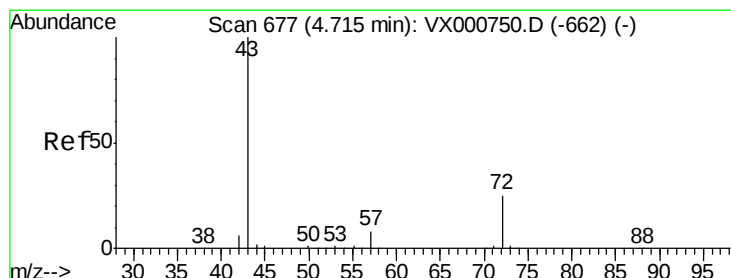
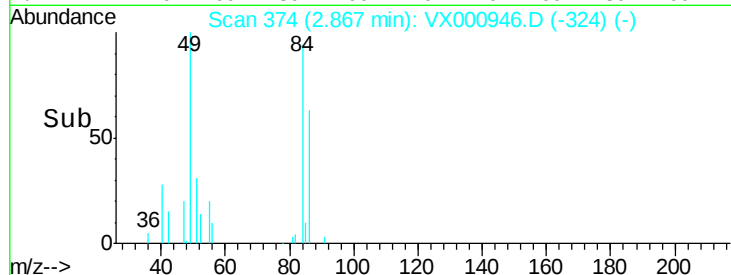
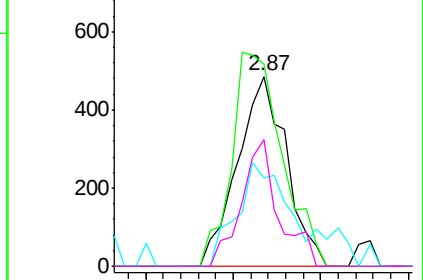


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.879 ug/l

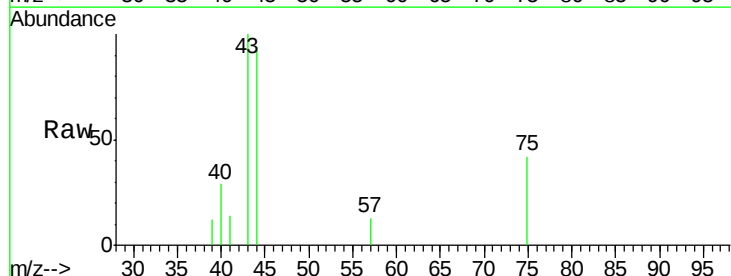
RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000946.D

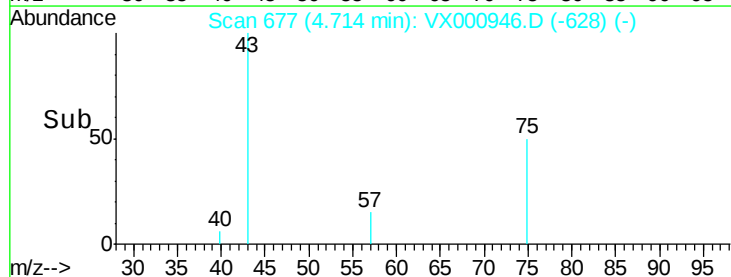
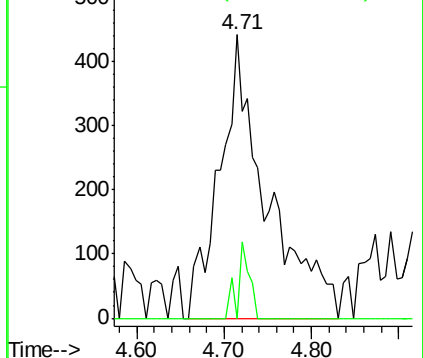
Acq: 17 Apr 2018 03:43

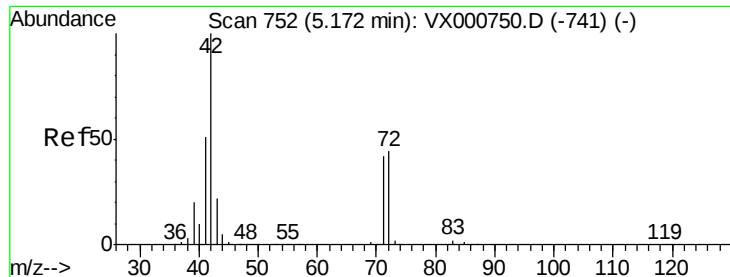
Tgt Ion:	43	Resp:	1645
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.3	30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

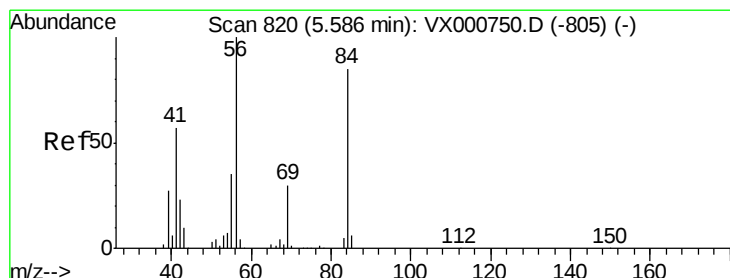
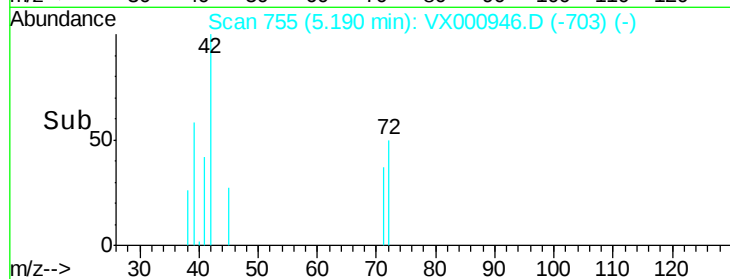
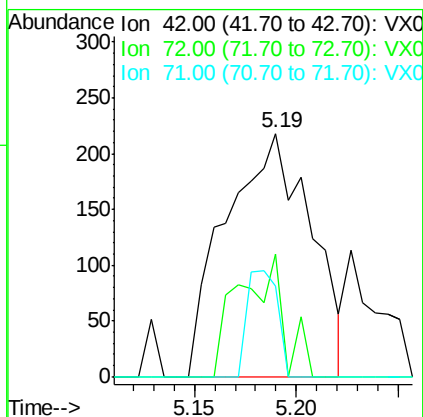
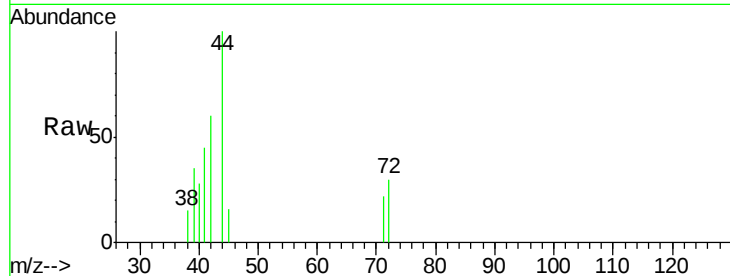




#29
Tetrahydrofuran
Concen: 0.533 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX000946.D
Acq: 17 Apr 2018 03:43

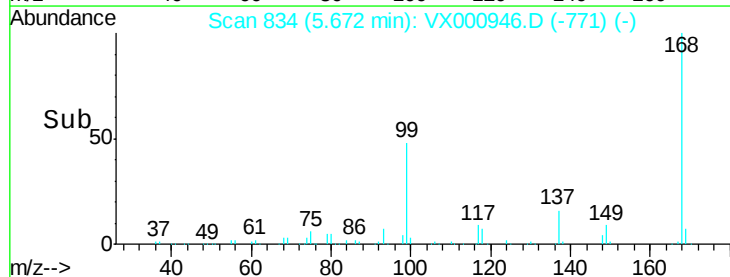
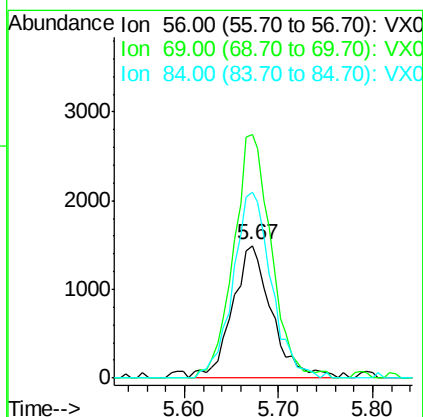
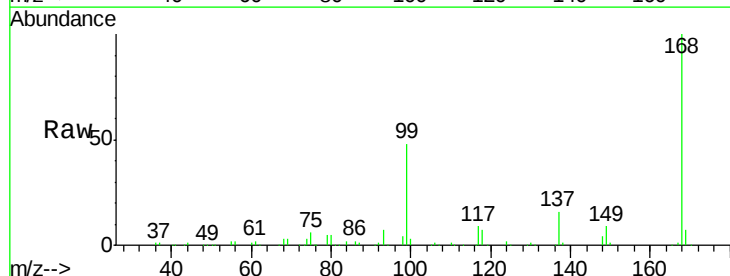
Instrument :
MSVOA_X
ClientSampled :

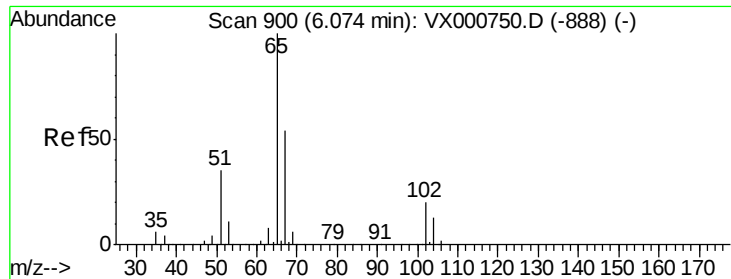
Tot Ion: 42 Resp: 633
Ion Ratio Lower Upper
42 100
72 26.9 35.1 52.7#
71 15.6 32.8 49.2#



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000946.D
Acq: 17 Apr 2018 03:43

Tgt Ion: 56 Resp: 4339
Ion Ratio Lower Upper
56 100
69 183.5 24.2 36.4#
84 140.4 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 48.962 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :

MSVOA_X

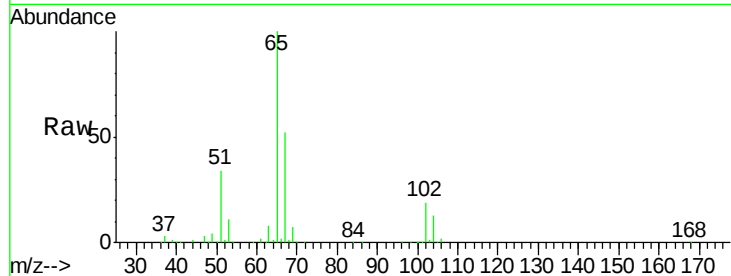
ClientSampleId :

Tot Ion: 65 Resp: 160902

Ion Ratio Lower Upper

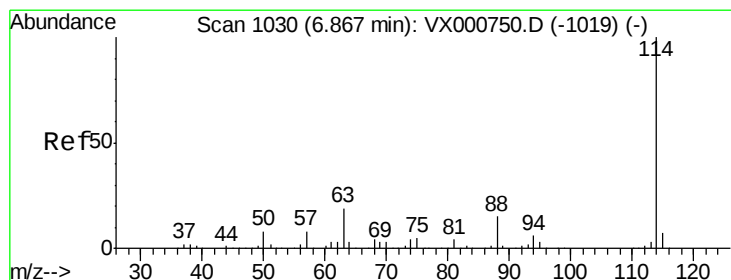
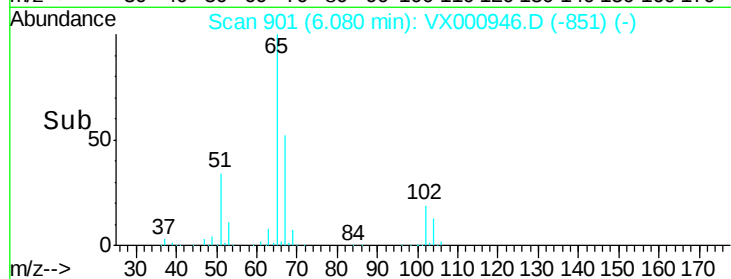
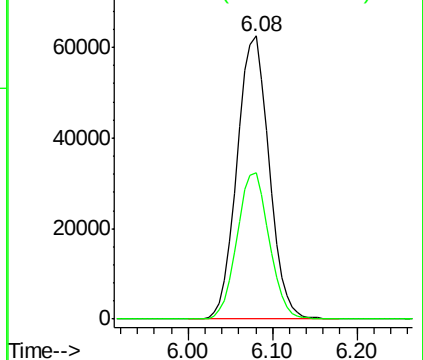
65 100

67 52.2 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: VX000946.D

Acq: 17 Apr 2018 03:43

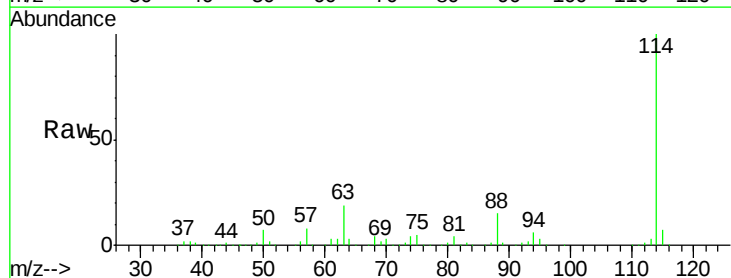
Tgt Ion: 114 Resp: 359535

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

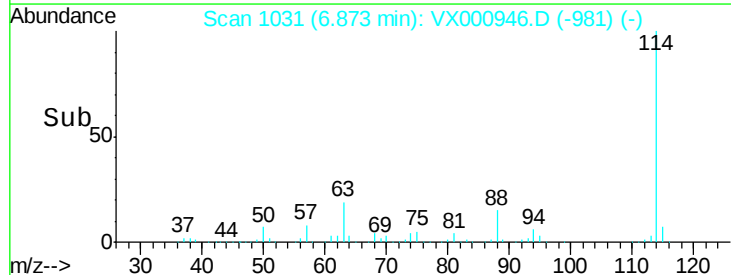
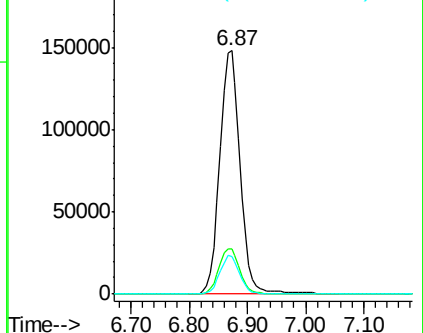
88 15.3 0.0 31.0

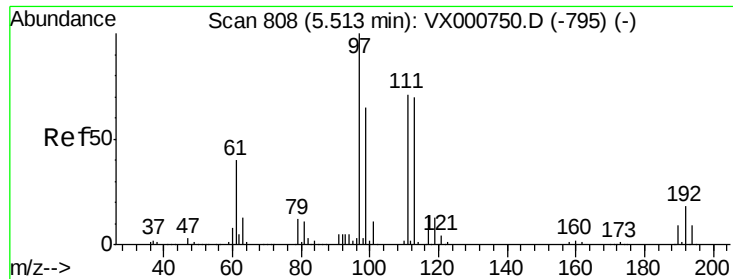


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

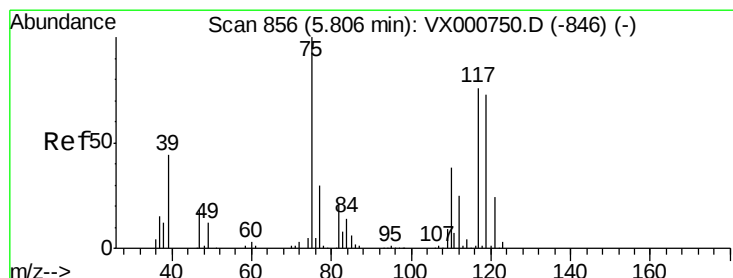
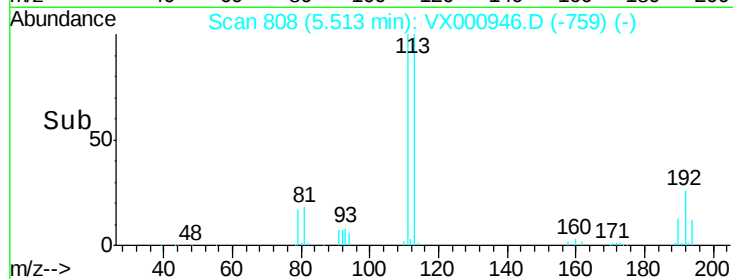
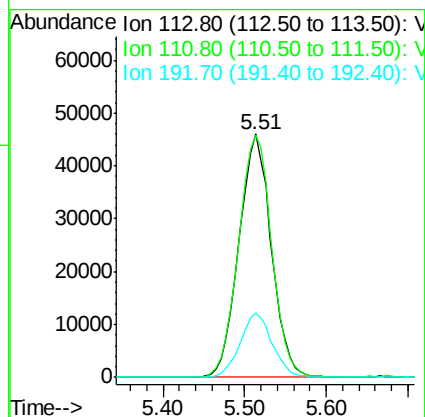
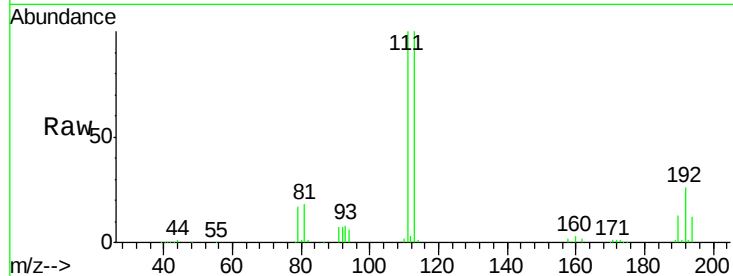




#35
 Dibromofluoromethane
 Concen: 45.627 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000946.D
 Acq: 17 Apr 2018 03:43

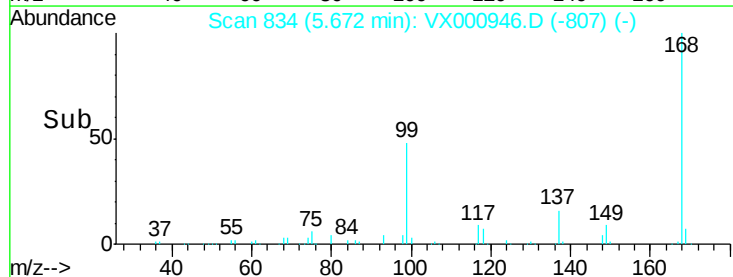
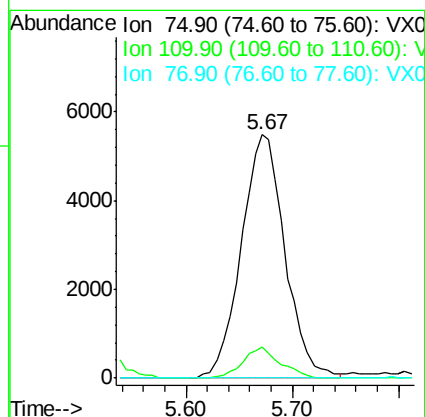
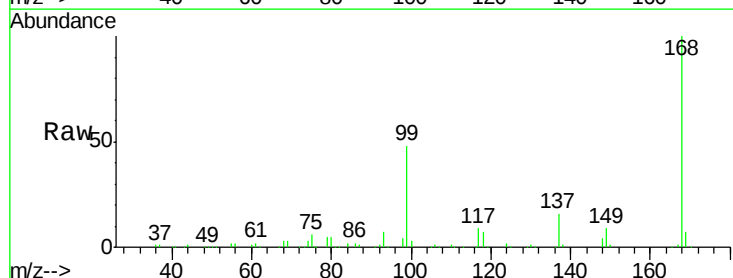
Instrument :
 MSVOA_X
 ClientSampleId :

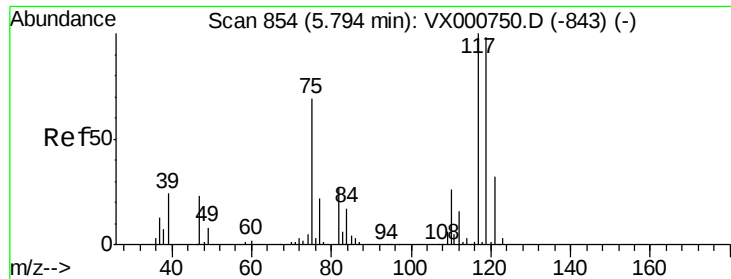
Tot Ion:113 Resp: 126388
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 26.2 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.969 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000946.D
 Acq: 17 Apr 2018 03:43

Tgt Ion: 75 Resp: 15716
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.2 57.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.065 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

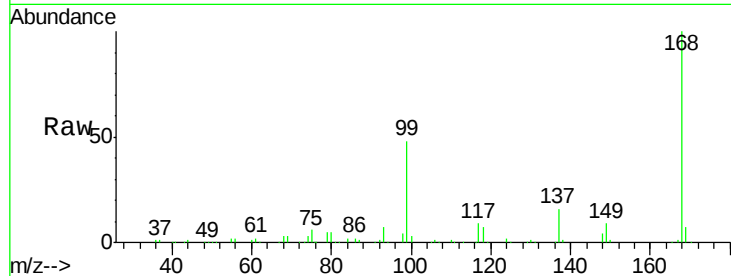
Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampled :



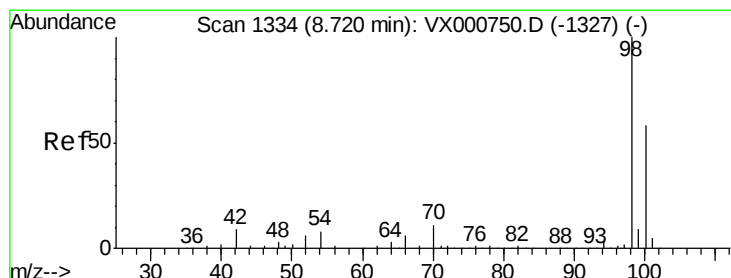
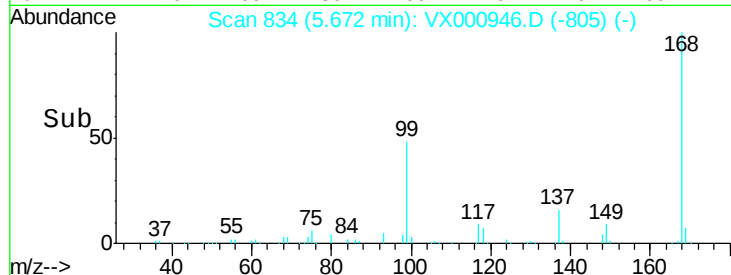
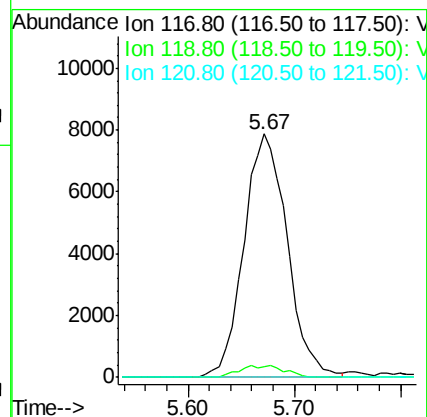
Tot Ion:117 Resp: 22446

Ion Ratio Lower Upper

117 100

119 4.3 78.4 117.6#

121 0.0 25.4 38.0#



#50

Toluene-d8

Concen: 48.676 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000946.D

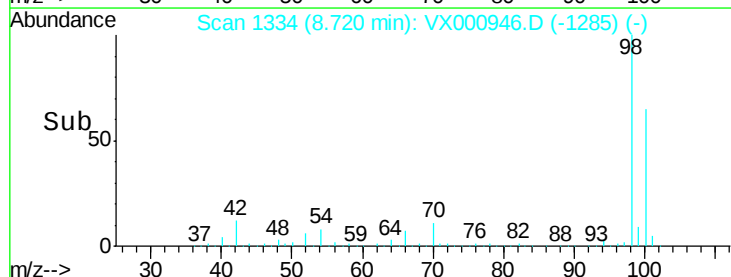
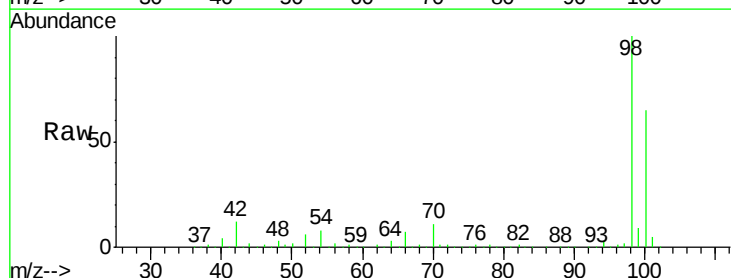
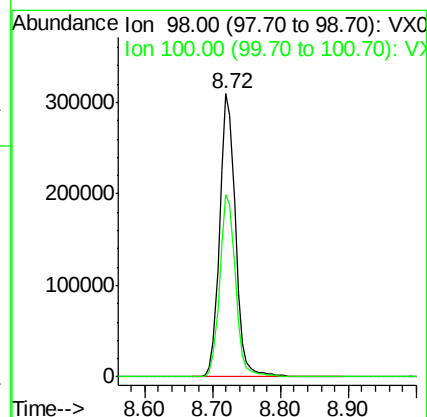
Acq: 17 Apr 2018 03:43

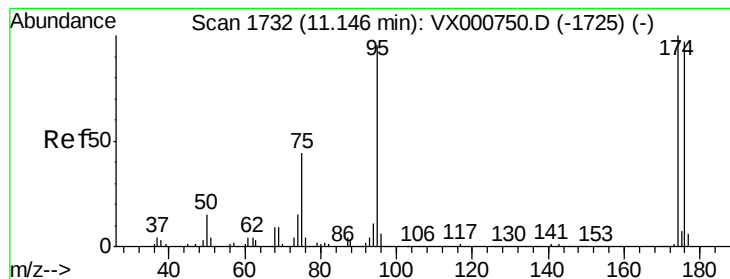
Tgt Ion: 98 Resp: 502027

Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 45.368 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

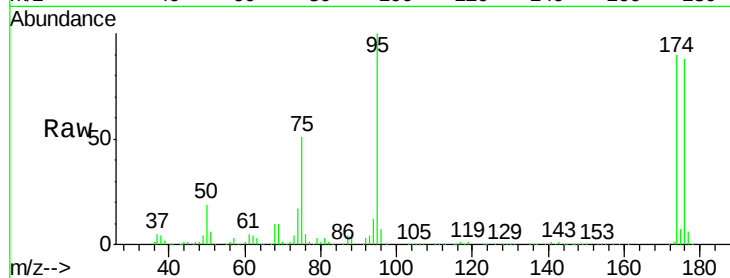
Tot Ion: 95 Resp: 193591

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

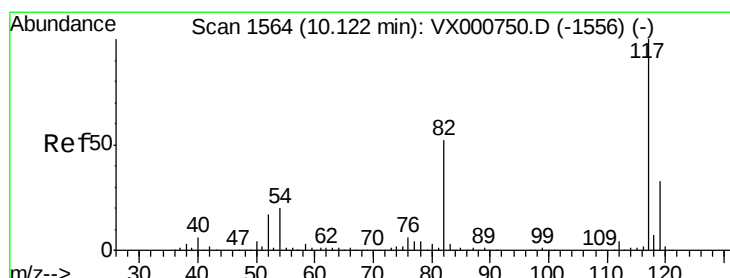
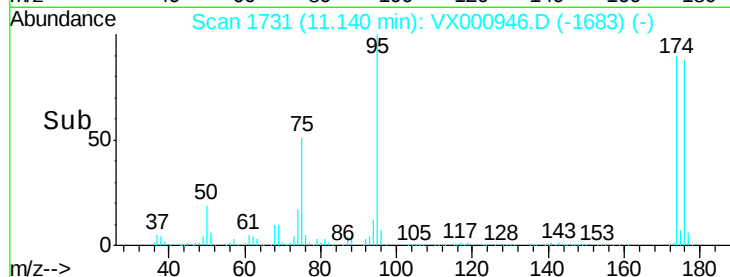
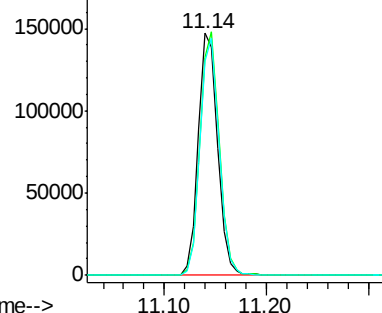
176 96.5 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000946.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000946.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000946.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

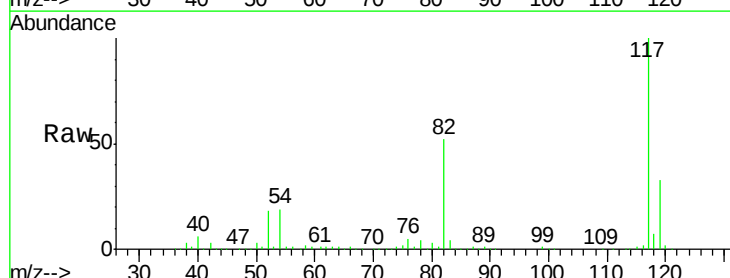
Tgt Ion: 117 Resp: 335969

Ion Ratio Lower Upper

117 100

82 51.5 41.9 62.9

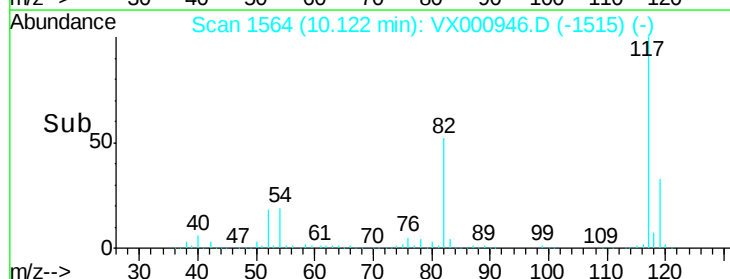
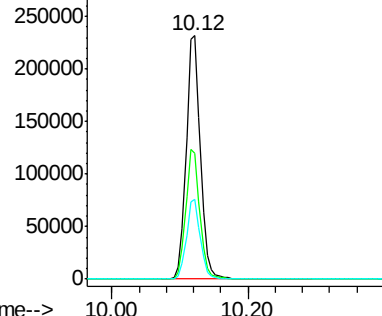
119 32.6 26.0 39.0

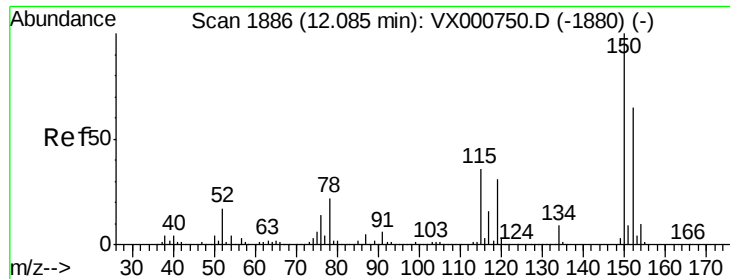


Abundance Ion 116.90 (116.60 to 117.60): VX000946.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000946.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000946.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: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

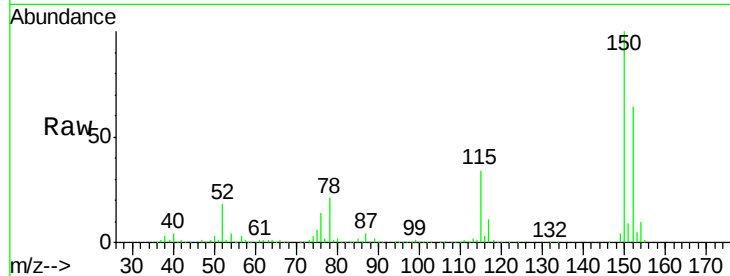
Tot Ion:152 Resp: 217055

Ion Ratio Lower Upper

152 100

115 54.0 37.9 113.7

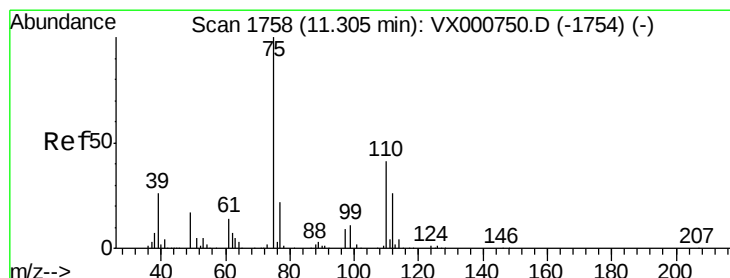
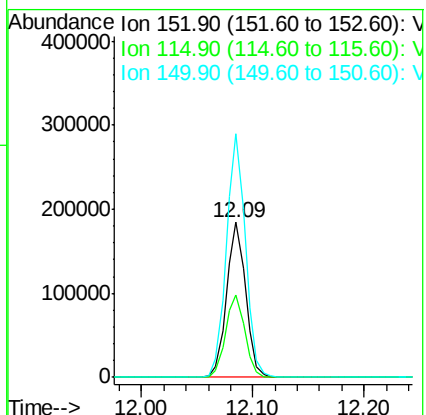
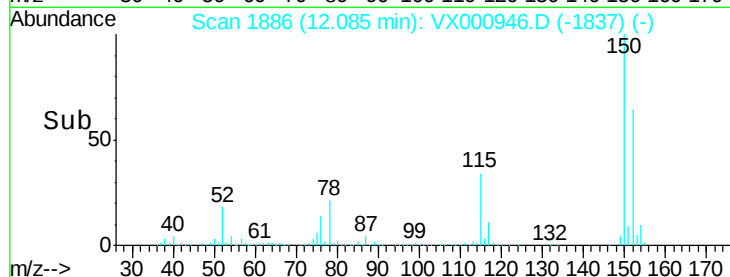
150 157.1 0.0 348.0



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: 25.833 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000946.D

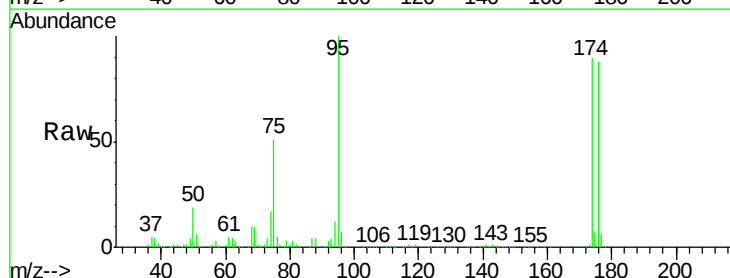
Acq: 17 Apr 2018 03:43

Tgt Ion: 75 Resp: 96700

Ion Ratio Lower Upper

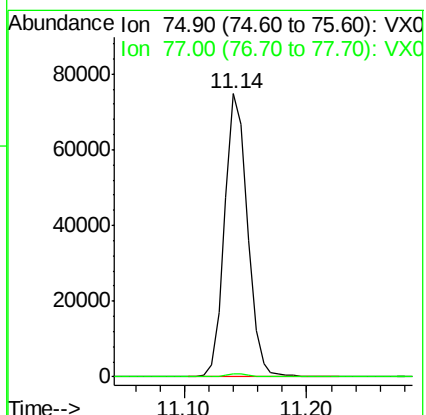
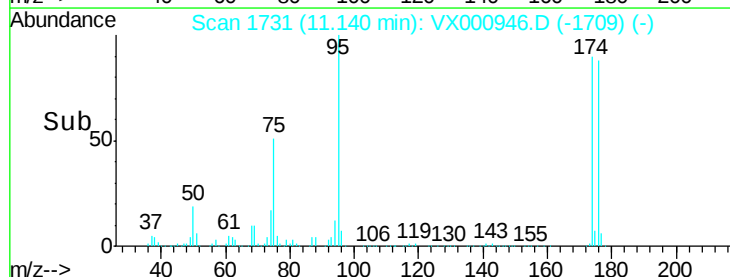
75 100

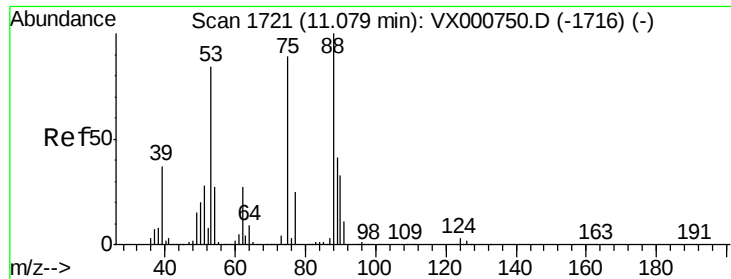
77 1.1 20.5 61.5#



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: 71.060 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000946.D

Acq: 17 Apr 2018 03:43

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 96700

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

