

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000956.D
 Acq On : 17 Apr 2018 07:57
 Operator : JC/MD
 Sample : J2349-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 08:37:30 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	255598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207508	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	159443	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.51	113	124996	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
50) Toluene-d8	8.72	98	495345	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.14	95	189104	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

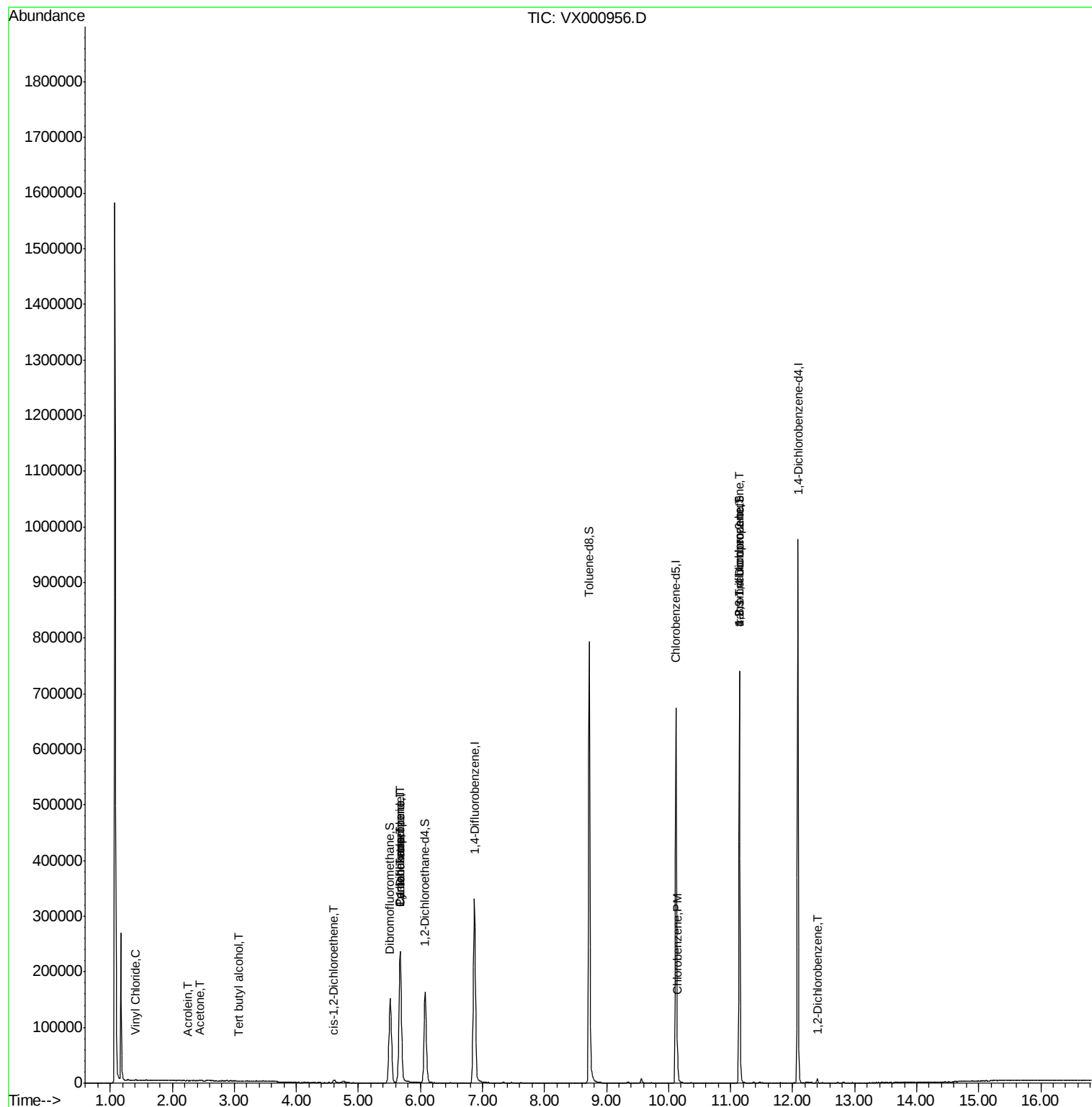
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	699	0.251	ug/l #	61
5) Bromomethane	1.66	94	161	Below Cal		86
11) Tert butyl alcohol	3.06	59	228	0.398	ug/l	100
13) Acrolein	2.25	56	67	0.241	ug/l #	1
16) Acetone	2.45	43	1528	1.375	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	3346	1.140	ug/l	86
31) Cyclohexane	5.67	56	4403	1.036	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15068	3.862	ug/l #	48
38) Carbon Tetrachloride	5.68	117	21805	4.994	ug/l #	15
65) Chlorobenzene	10.15	112	11510	1.404	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	93399	26.099	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	93399	71.792	ug/l #	11
91) 1,2-Dichlorobenzene	12.40	146	2379	0.345	ug/l	91

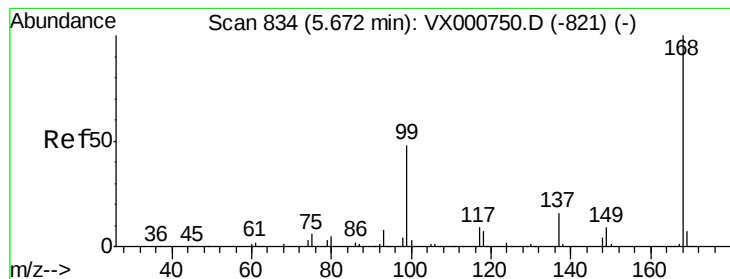
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000956.D

Acq: 17 Apr 2018 07:57

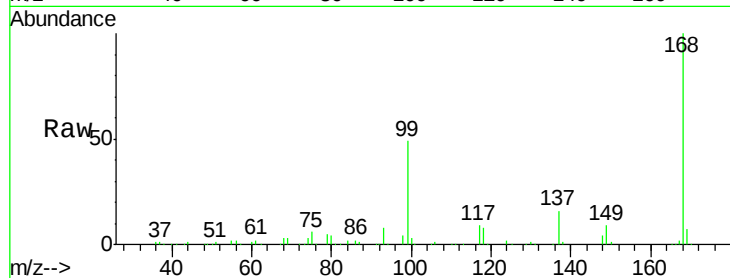
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 255598

Ion Ratio Lower Upper

168 100

99 48.8 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

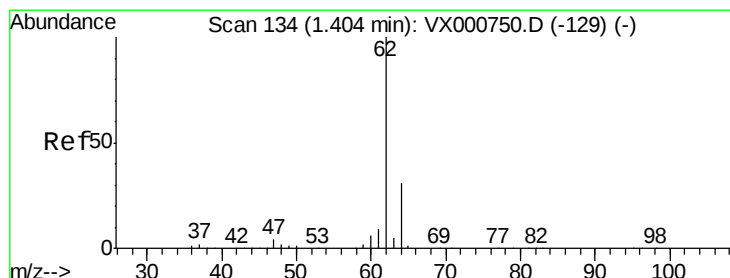
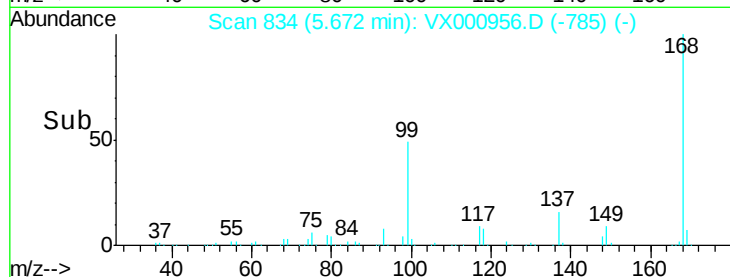
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.251 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000956.D

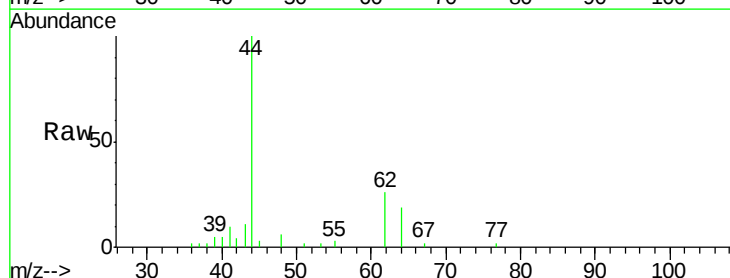
Acq: 17 Apr 2018 07:57

Tgt Ion: 62 Resp: 699

Ion Ratio Lower Upper

62 100

64 52.3 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

800

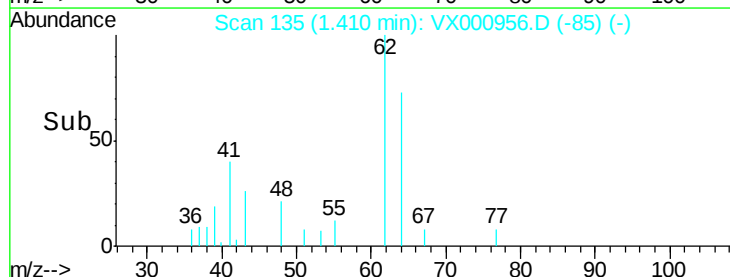
600

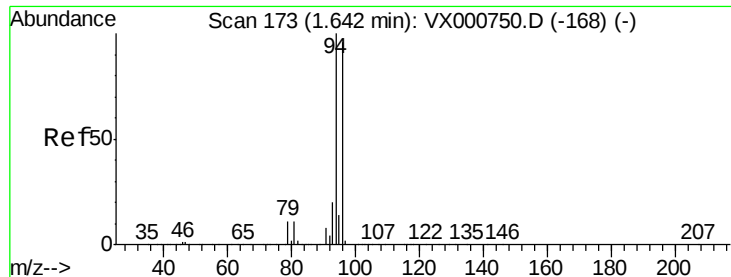
400

200

0

Time--> 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

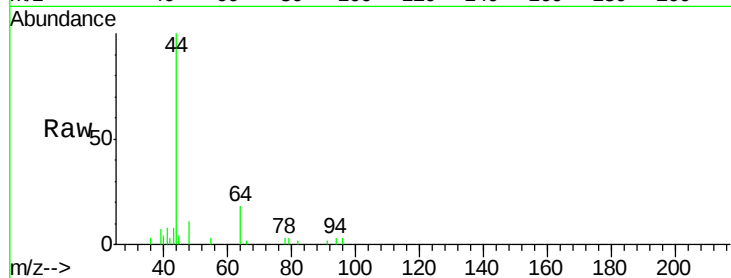
ClientSampled :

Tot Ion: 94 Resp: 161

Ion Ratio Lower Upper

94 100

96 109.6 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150

100

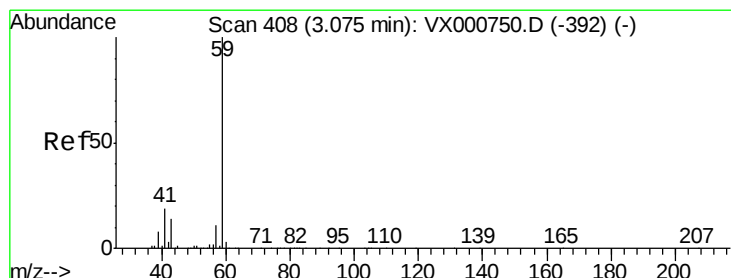
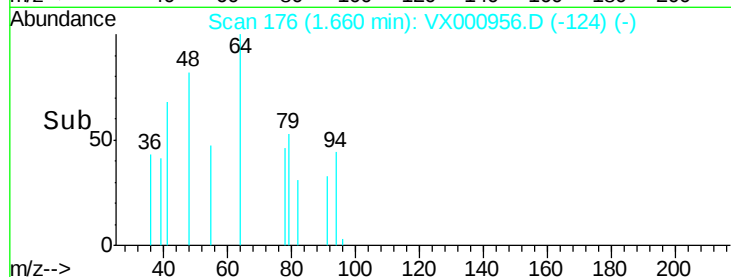
50

0

1.60 1.65 1.70

Time-->

1.66



#11

Tert butyl alcohol

Concen: 0.398 ug/l

RT: 3.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VX000956.D

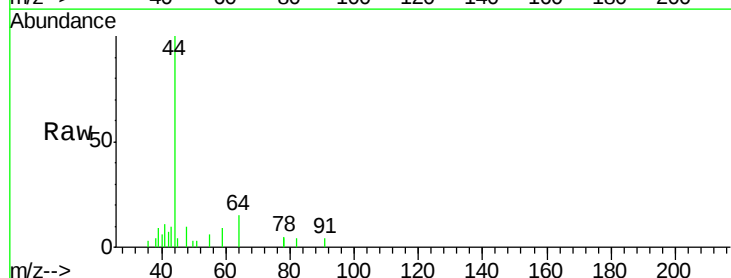
Acq: 17 Apr 2018 07:57

Tgt Ion: 59 Resp: 228

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

150

100

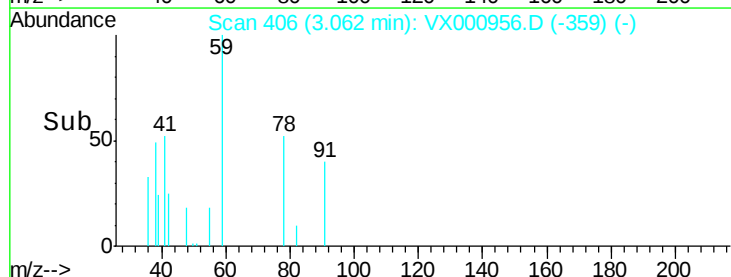
50

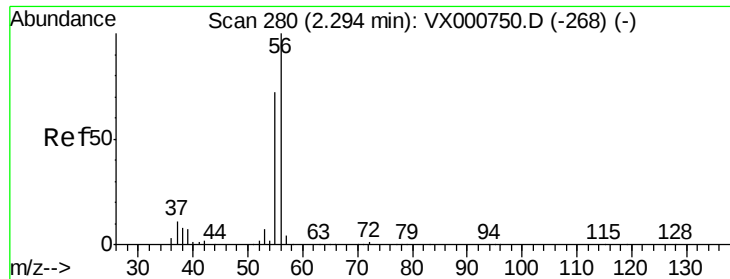
0

3.05 3.10

Time-->

3.06





#13

Acrolein

Concen: 0.241 ug/l

RT: 2.25 min Scan# 273

Delta R.T. -0.04 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

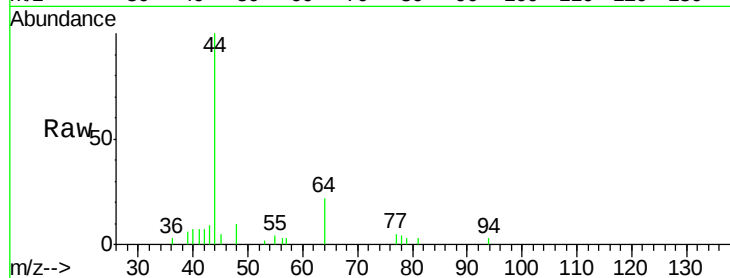
ClientSampleId :

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

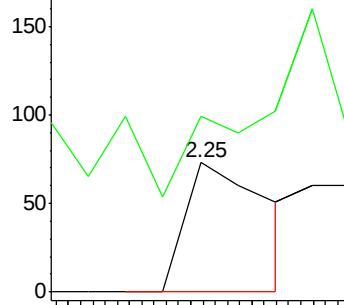
56 100

55 391.0 58.7 88.1#

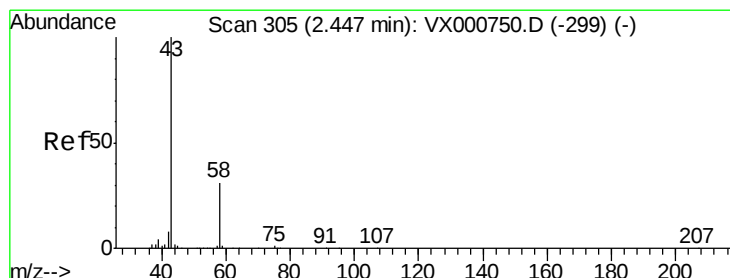
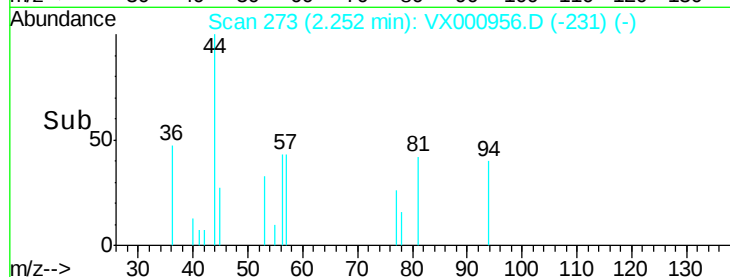


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.375 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000956.D

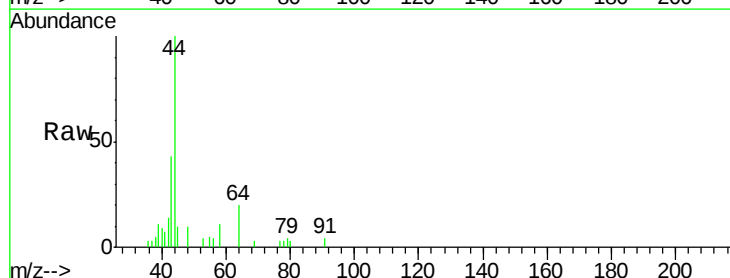
Acq: 17 Apr 2018 07:57

Tgt Ion: 43 Resp: 1528

Ion Ratio Lower Upper

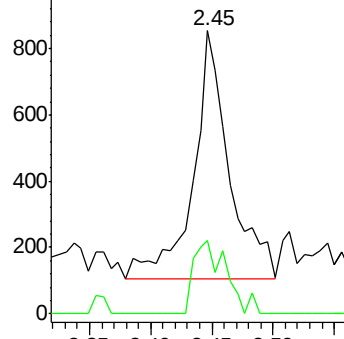
43 100

58 29.8 24.6 37.0

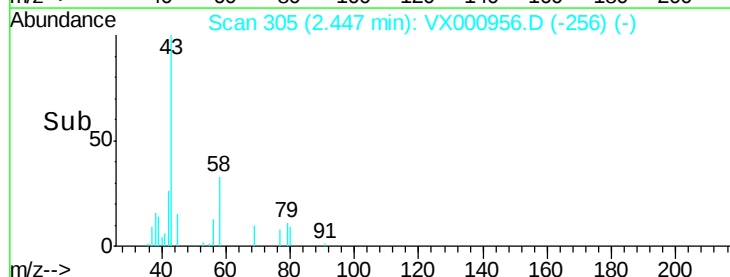


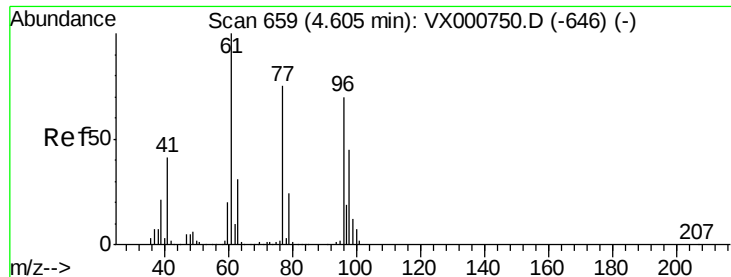
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



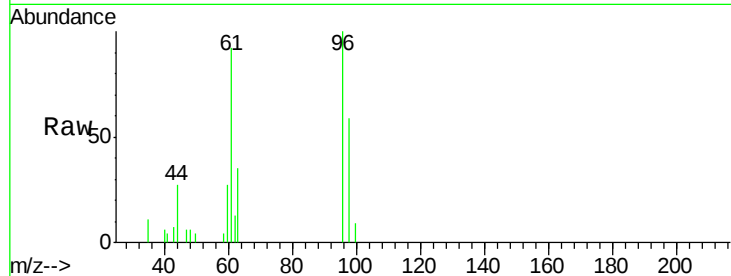


#27

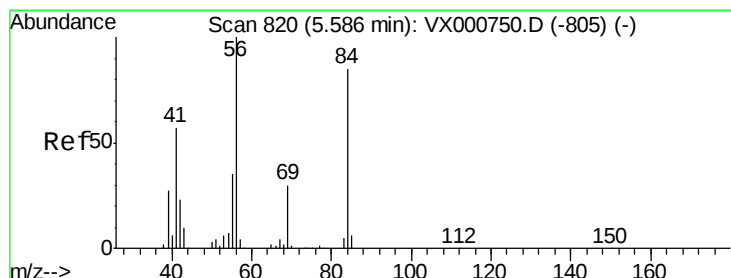
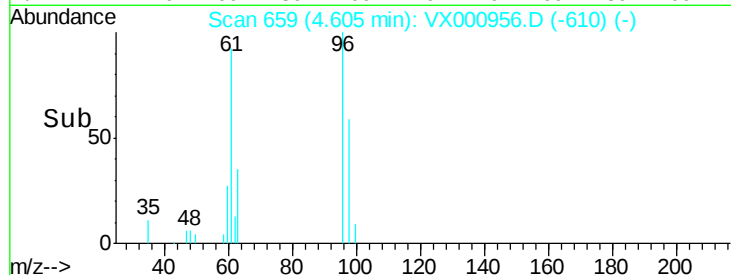
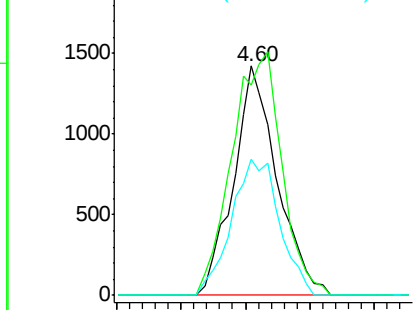
cis-1,2-Dichloroethene
 Concen: 1.140 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000956.D
 Acq: 17 Apr 2018 07:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	96	Resp	3346
Ion	Ratio	Lower	Upper
96	100		
61	121.0	0.0	292.4
98	65.4	0.0	130.2



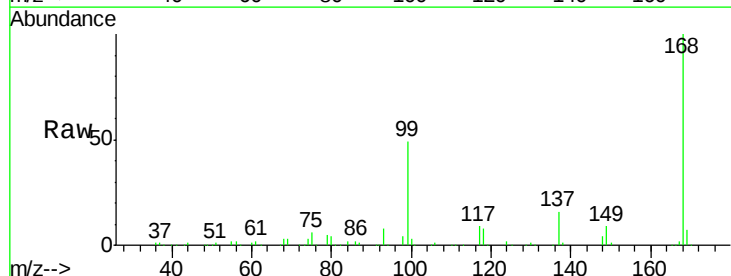
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



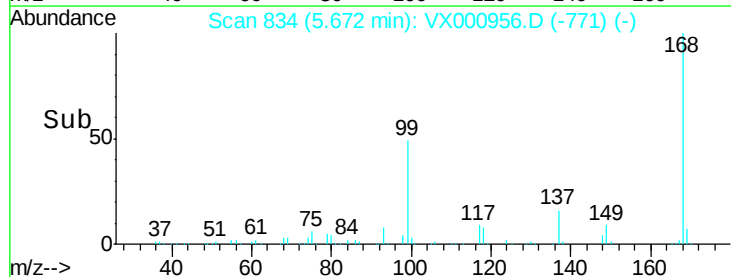
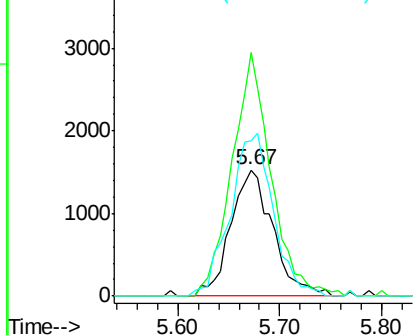
#31

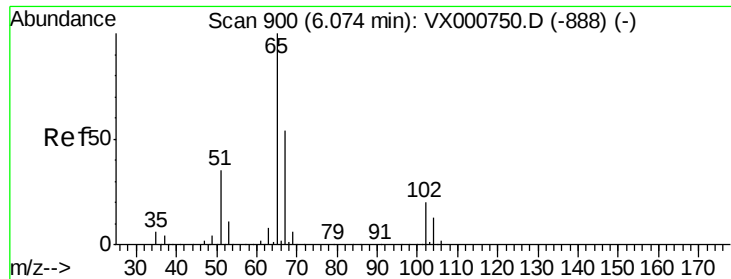
Cyclohexane
 Concen: 1.036 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.09 min
 Lab File: VX000956.D
 Acq: 17 Apr 2018 07:57

Tgt Ion	56	Resp	4403
Ion	Ratio	Lower	Upper
56	100		
69	192.7	24.2	36.4#
84	122.6	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: 49.473 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

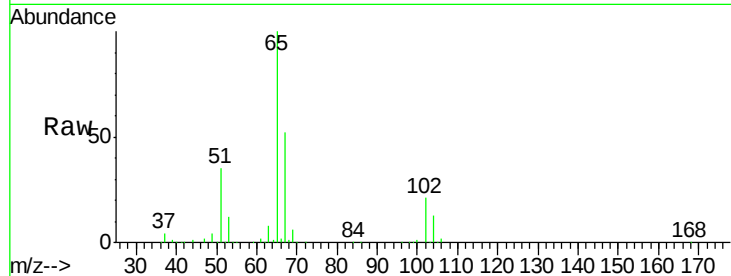
ClientSampleId :

Tot Ion: 65 Resp: 159443

Ion Ratio Lower Upper

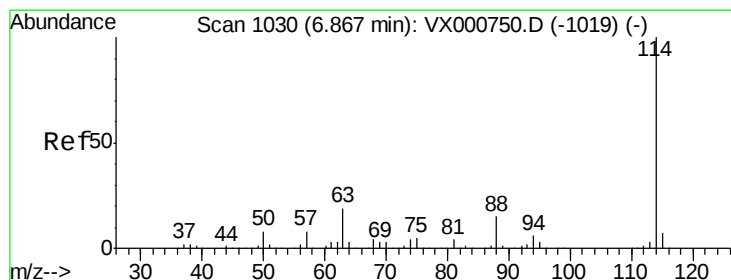
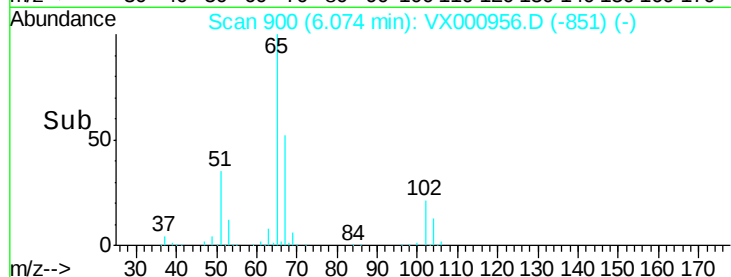
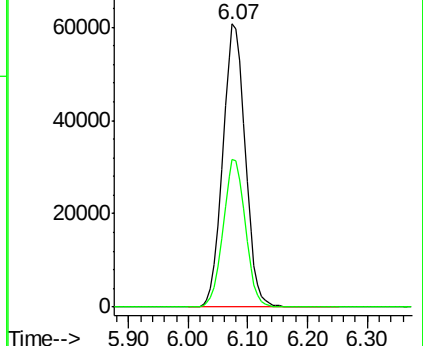
65 100

67 51.6 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: VX000956.D

Acq: 17 Apr 2018 07:57

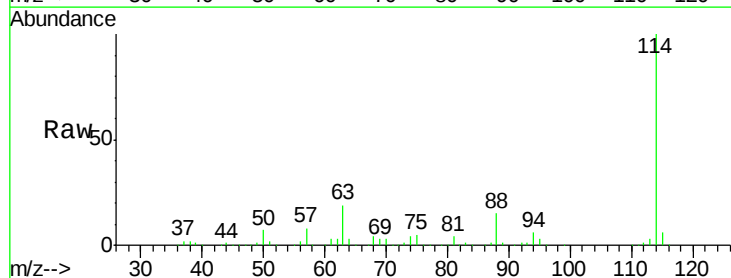
Tgt Ion: 114 Resp: 354239

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

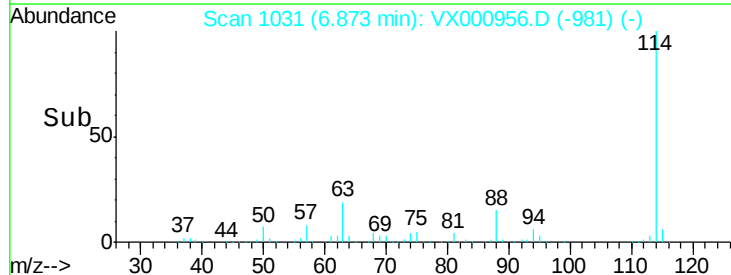
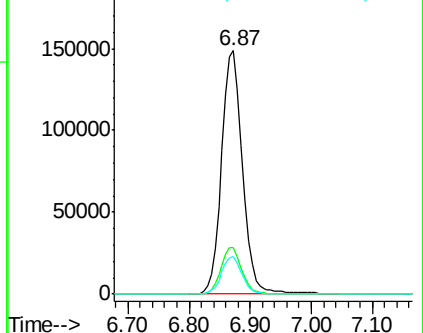
88 15.2 0.0 31.0

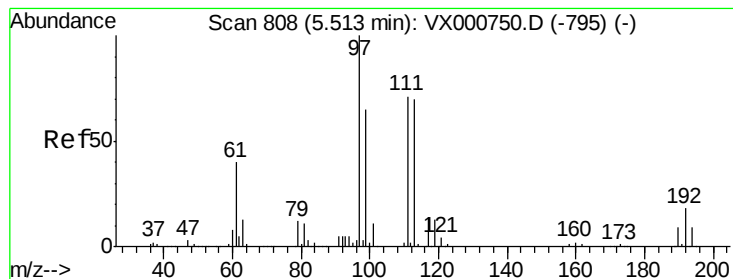


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.799 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

ClientSampleId :

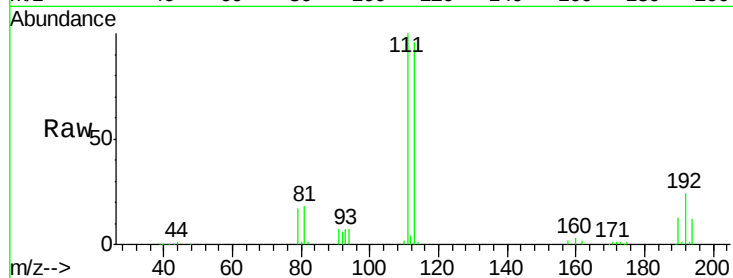
Tot Ion:113 Resp: 124996

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

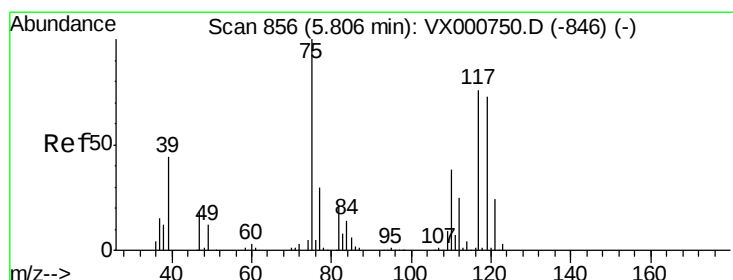
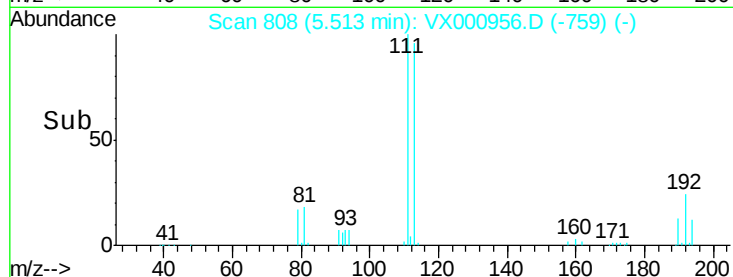
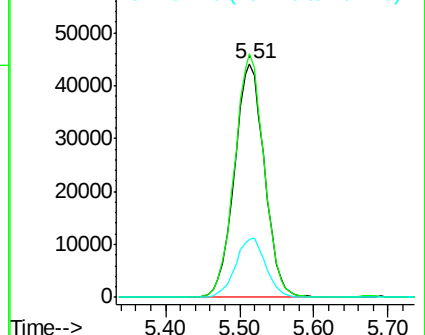
192 25.4 20.4 30.6



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: 3.862 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

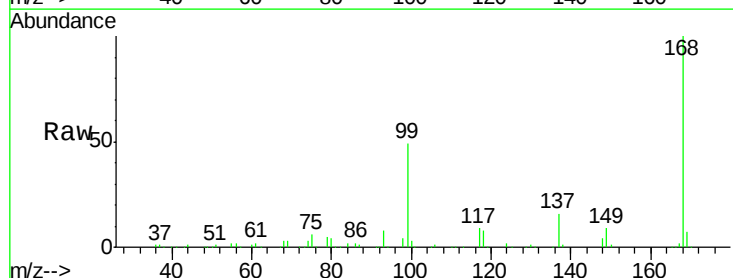
Tgt Ion: 75 Resp: 15068

Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

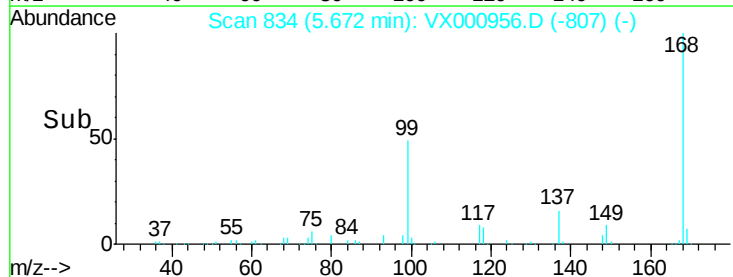
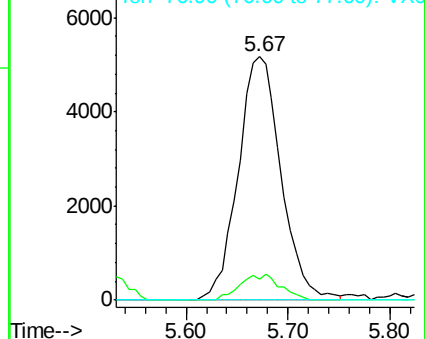
77 0.0 25.4 38.2#

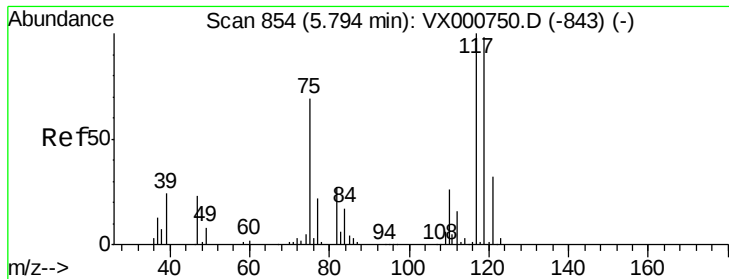


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

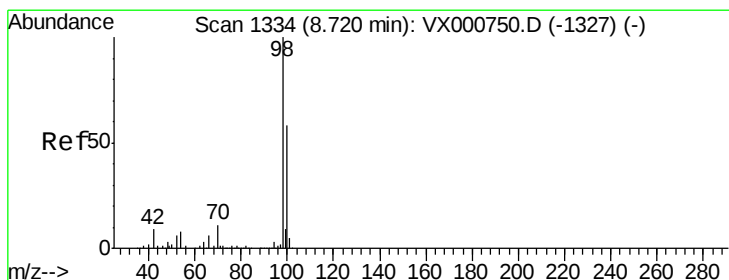
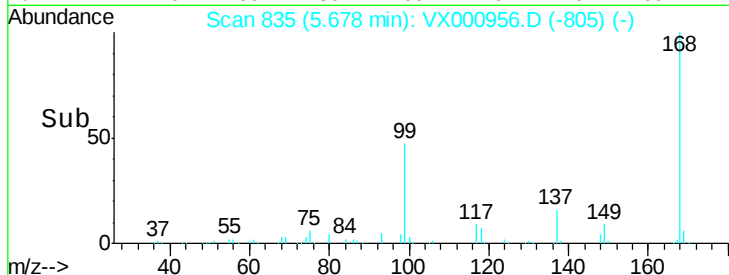
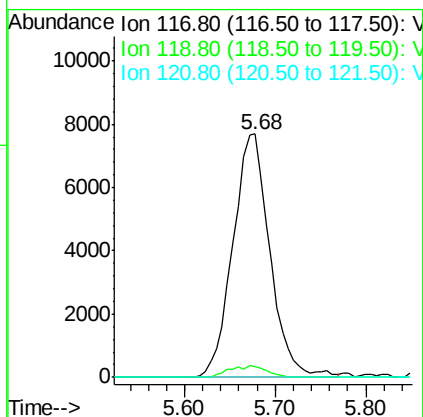
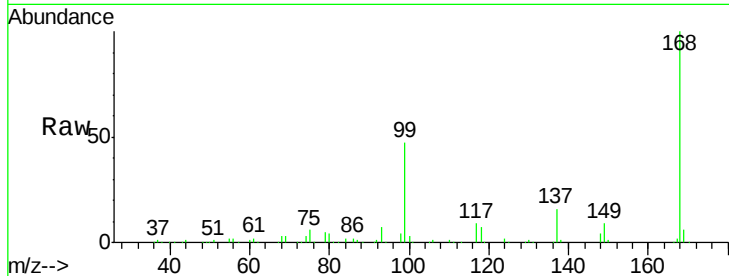




#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000956.D
Acq: 17 Apr 2018 07:57

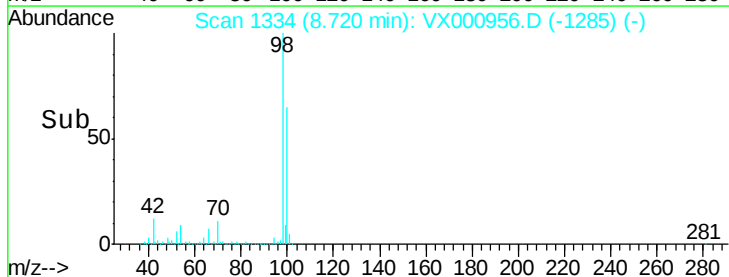
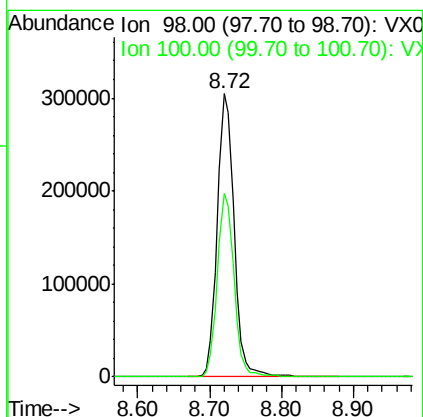
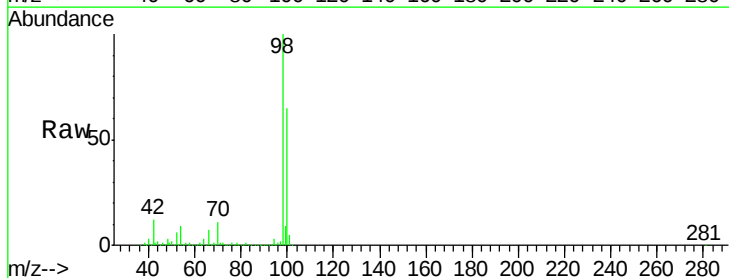
Instrument :
MSVOA_X
ClientSampled :

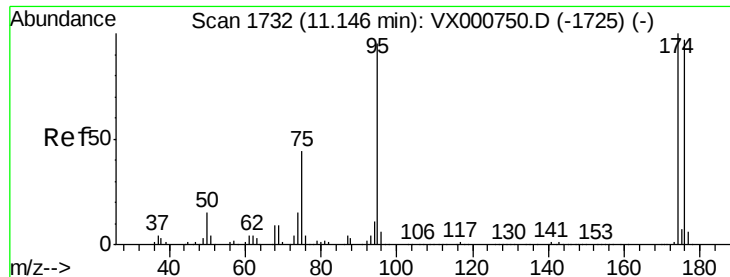
Tot Ion:117 Resp: 21805
Ion Ratio Lower Upper
117 100
119 4.5 78.4 117.6#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 48.746 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000956.D
Acq: 17 Apr 2018 07:57

Tgt Ion: 98 Resp: 495345
Ion Ratio Lower Upper
98 100
100 64.6 52.6 79.0

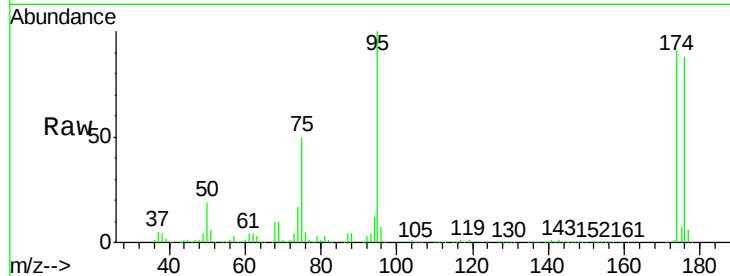




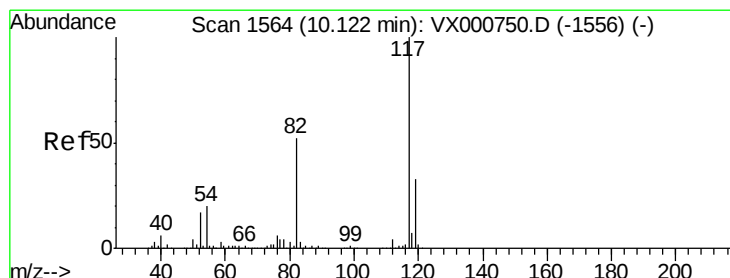
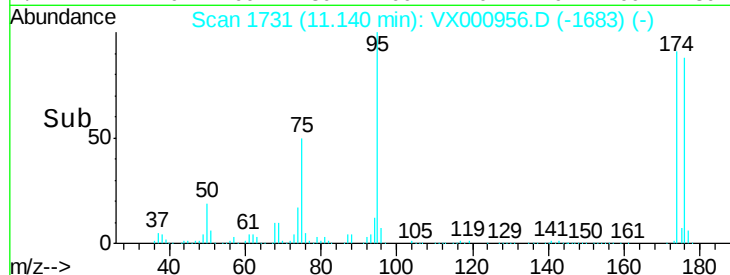
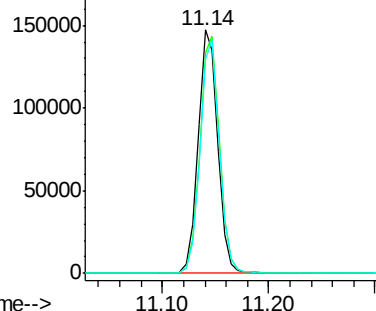
#62
4-Bromofluorobenzene
Concen: 44.979 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000956.D
Acq: 17 Apr 2018 07:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 189104
Ion Ratio Lower Upper
95 100
174 98.2 0.0 198.4
176 94.9 0.0 194.4

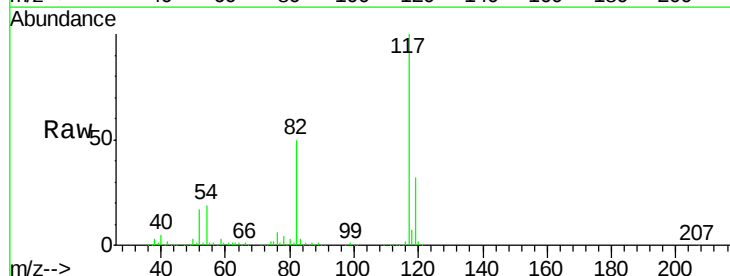


Abundance Ion 94.90 (94.60 to 95.60): VX
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

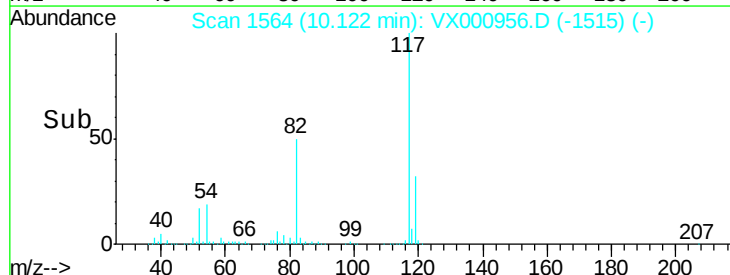
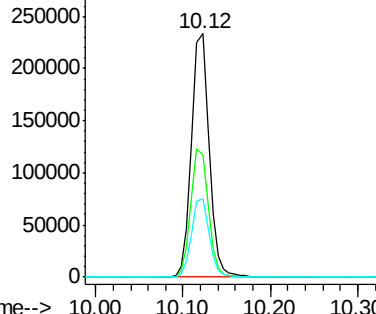


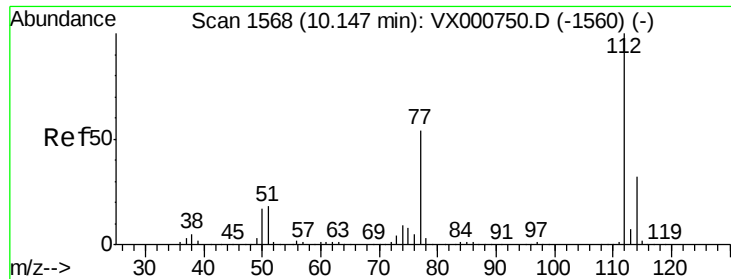
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000956.D
Acq: 17 Apr 2018 07:57

Tgt Ion: 117 Resp: 325949
Ion Ratio Lower Upper
117 100
82 49.9 41.9 62.9
119 32.1 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





#65

Chlorobenzene

Concen: 1.404 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

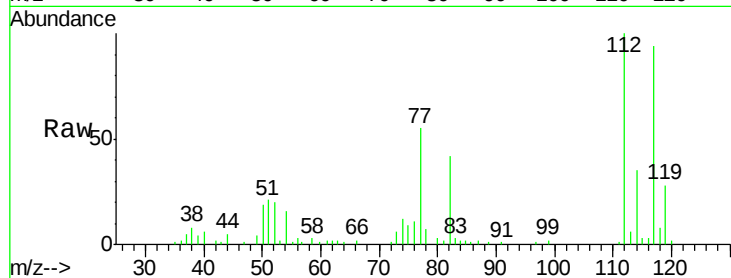
ClientSampled :

Tot Ion:112 Resp: 11510

Ion Ratio Lower Upper

112 100

114 34.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

8000

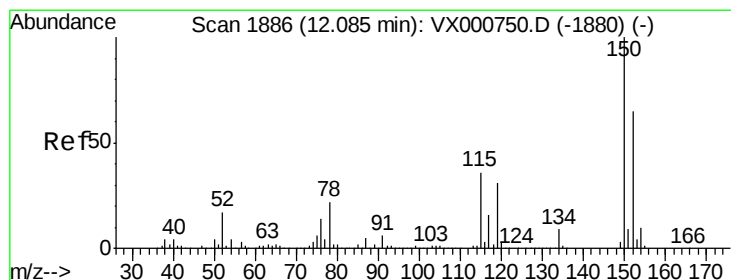
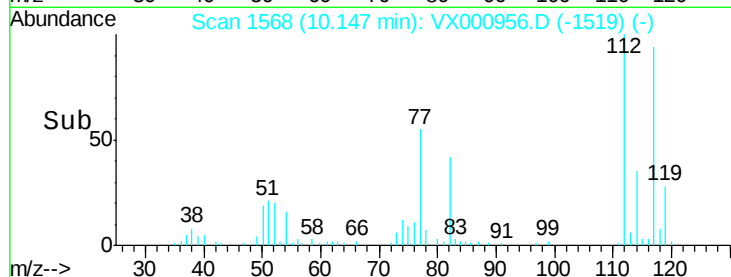
6000

4000

2000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

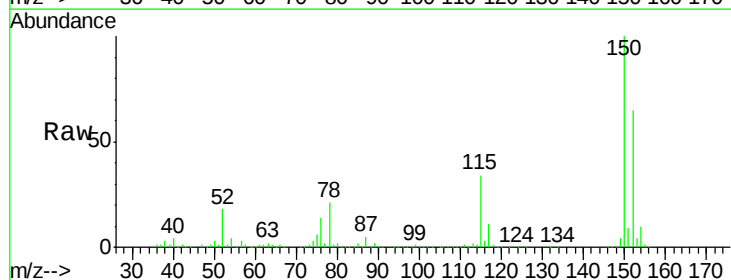
Tgt Ion:152 Resp: 207508

Ion Ratio Lower Upper

152 100

115 53.6 37.9 113.7

150 155.9 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

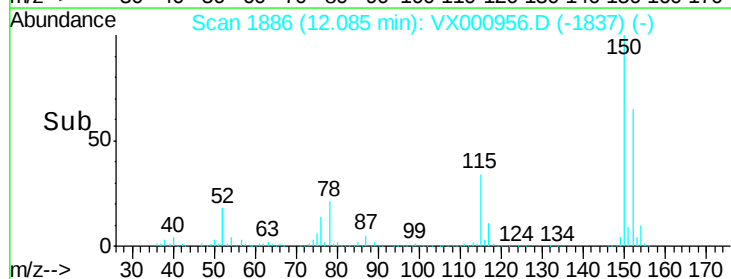
300000

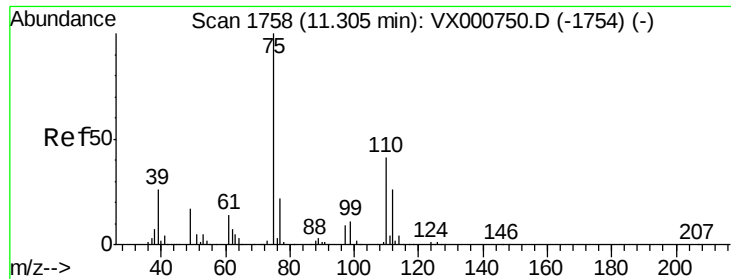
200000

100000

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 26.099 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

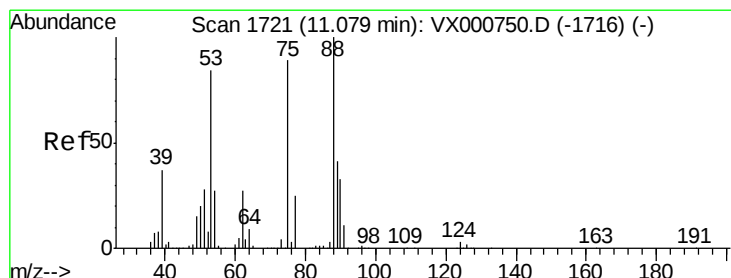
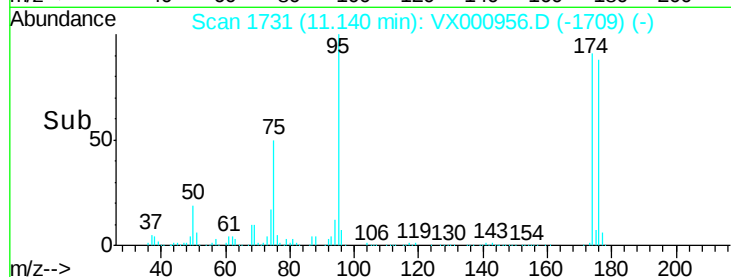
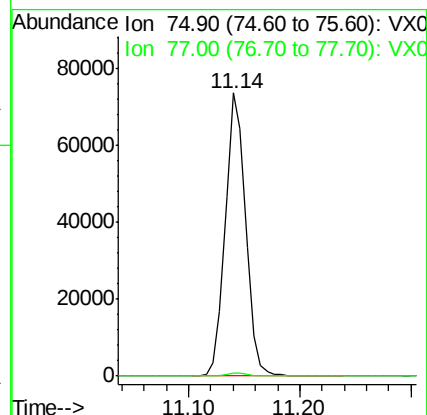
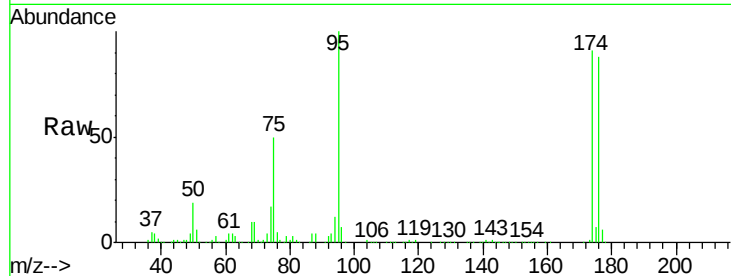
ClientSampled :

Tot Ion: 75 Resp: 93399

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.792 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

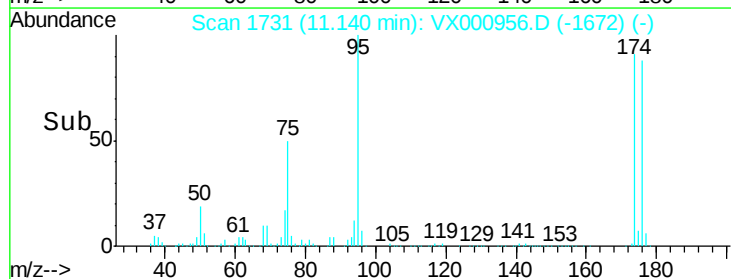
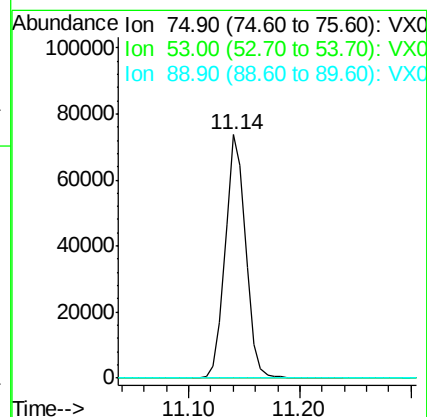
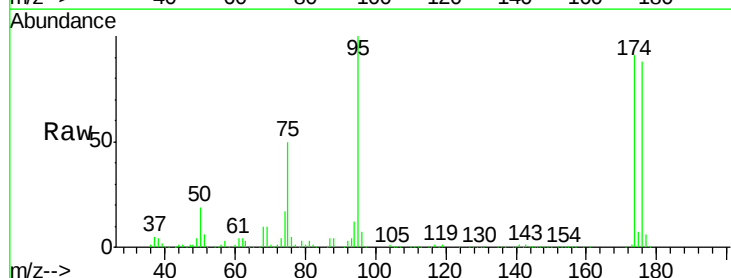
Tgt Ion: 75 Resp: 93399

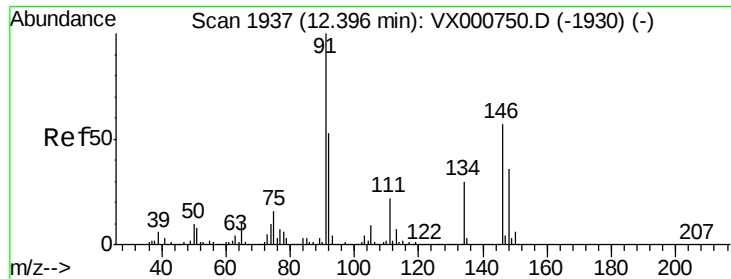
Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#





#91

1,2-Dichlorobenzene

Concen: 0.345 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

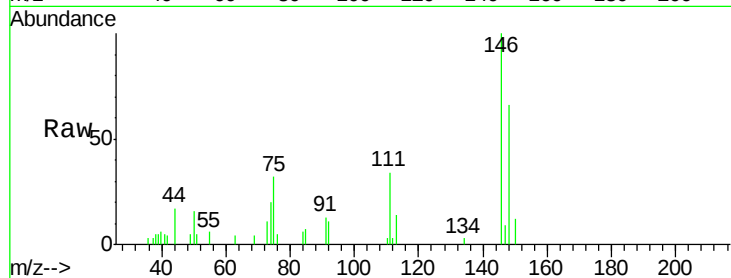
Lab File: VX000956.D

Acq: 17 Apr 2018 07:57

Instrument :

MSVOA_X

ClientSampleId :



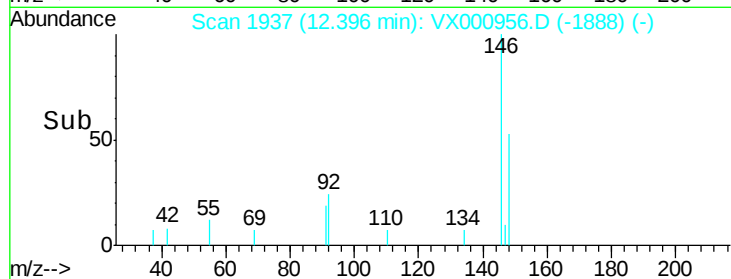
Tot Ion:146 Resp: 2379

Ion Ratio Lower Upper

146 100

111 34.0 18.9 56.7

148 55.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

