

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041118\
 Data File : VX000774.D
 Acq On : 11 Apr 2018 13:23
 Operator : JC/MD
 Sample : J2278-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 14:03:26 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	316474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	435779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	241728	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	158306	39.67	ug/l	0.00
Spiked Amount			Recovery	=	79.34%	
35) Dibromofluoromethane	5.51	113	134959	40.20	ug/l	0.00
Spiked Amount			Recovery	=	80.40%	
50) Toluene-d8	8.73	98	501314	40.10	ug/l	0.00
Spiked Amount			Recovery	=	80.20%	
62) 4-Bromofluorobenzene	11.14	95	204001	39.44	ug/l	0.00
Spiked Amount			Recovery	=	78.88%	

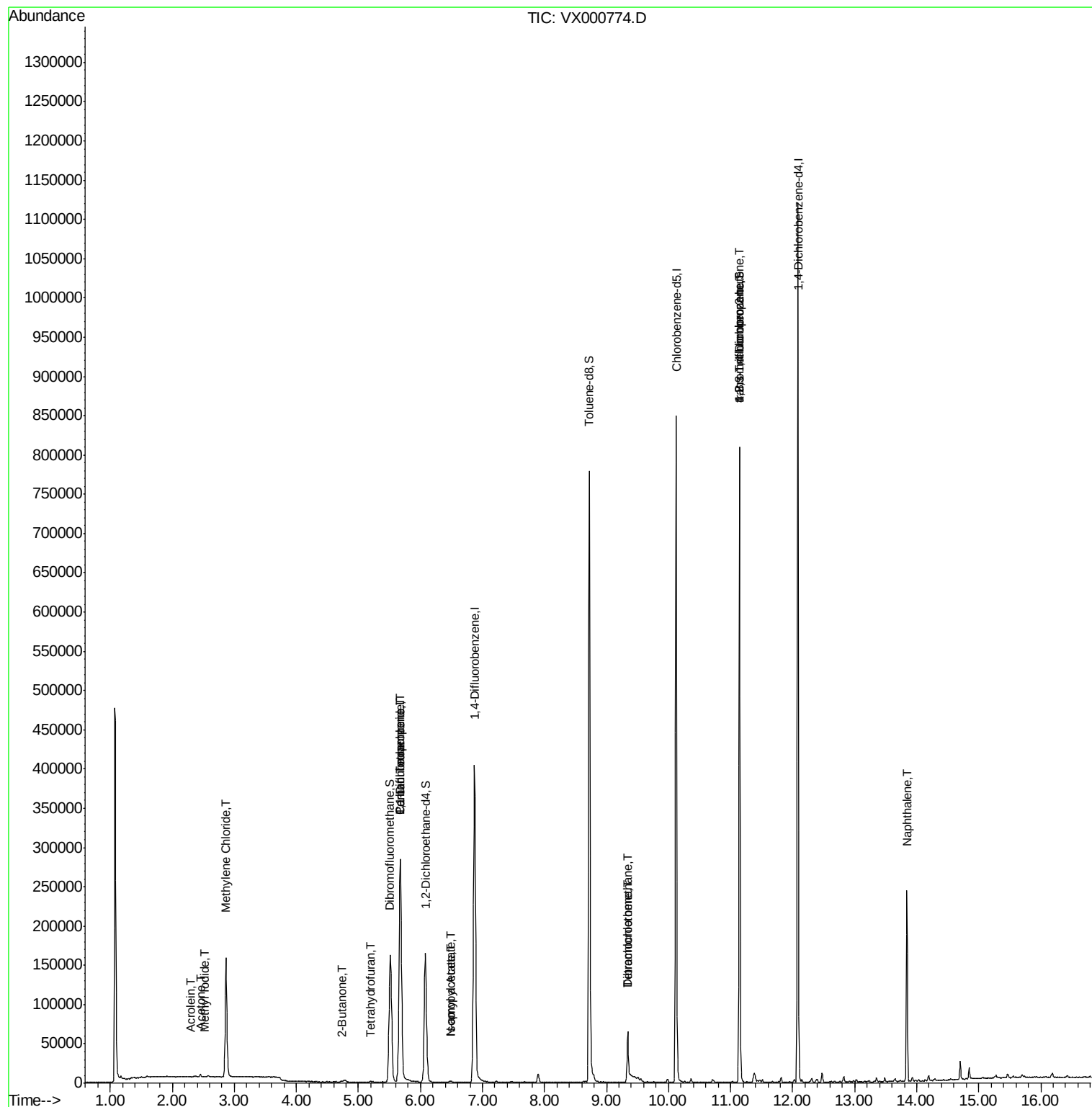
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	337	Below Cal	#	67
10) Methyl Iodide	2.52	142	287	8.33	ug/l #	78
13) Acrolein	2.30	56	131	0.38	ug/l #	71
16) Acetone	2.45	43	3224	2.34	ug/l	90
20) Methylene Chloride	2.87	84	72948	22.79	ug/l	98
25) 2-Butanone	4.72	43	712	0.31	ug/l	96
29) Tetrahydrofuran	5.20	42	583	0.40	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	18198	3.79	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26304	4.90	ug/l #	15
43) Isopropyl Acetate	6.48	43	2499	0.31	ug/l	95
60) Dibromochloromethane	9.34	129	10639	2.53	ug/l #	11
64) Tetrachloroethene	9.34	164	11932	3.00	ug/l	95
74) N-amyl acetate	6.48	43	2499	0.36	ug/l #	95
76) 1,2,3-Trichloropropane	11.14	75	99017	23.75	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99017	65.34	ug/l #	11
95) Naphthalene	13.84	128	143646	8.17	ug/l	100

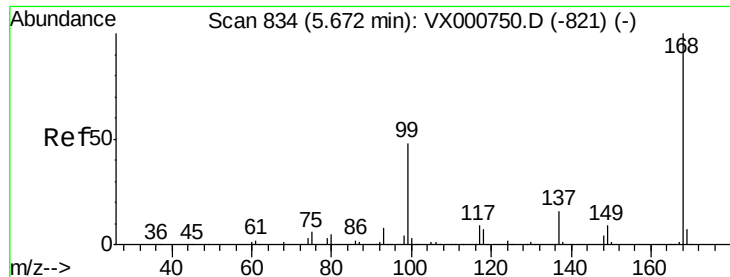
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041118\
Data File : VX000774.D
Acq On : 11 Apr 2018 13:23
Operator : JC/MD
Sample : J2278-03 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 11 14:03:26 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: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

Instrument :

MSVOA_X

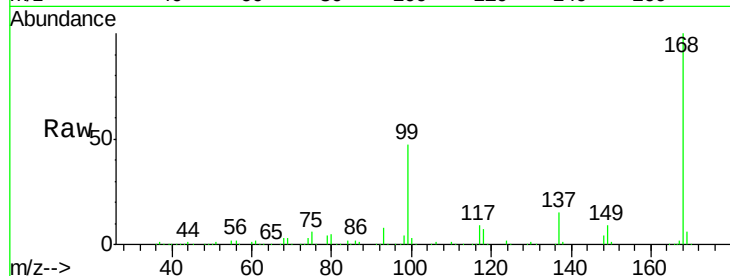
ClientSampleId :

Tot Ion:168 Resp: 316474

Ion Ratio Lower Upper

168 100

99 47.4 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

120000

100000

80000

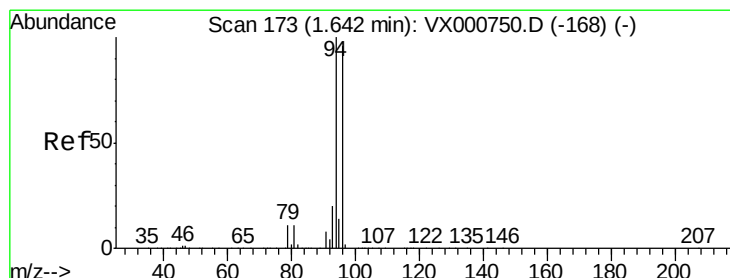
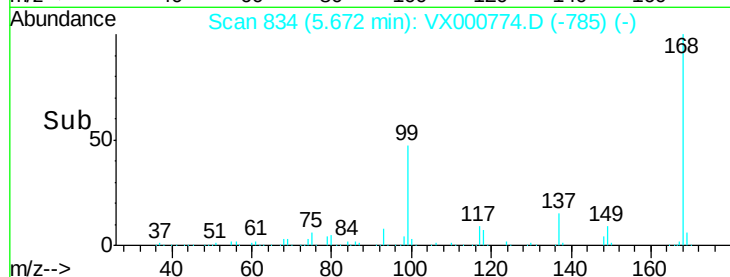
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000774.D

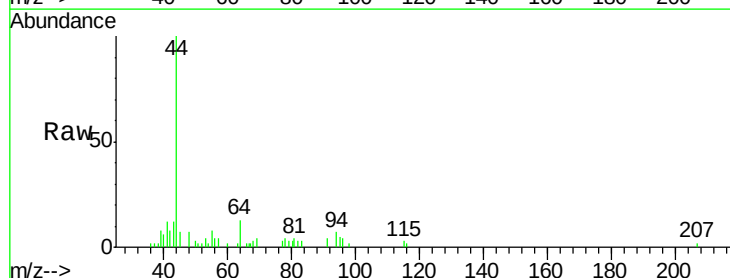
Acq: 11 Apr 2018 13:23

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 63.9 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

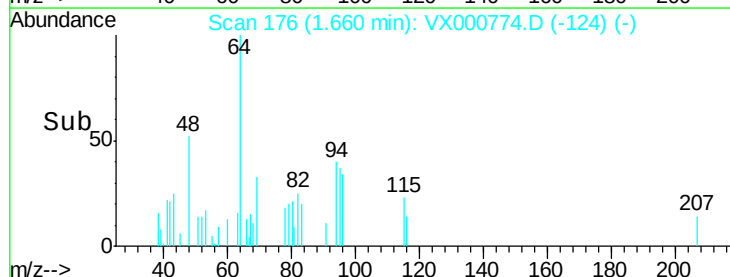
150

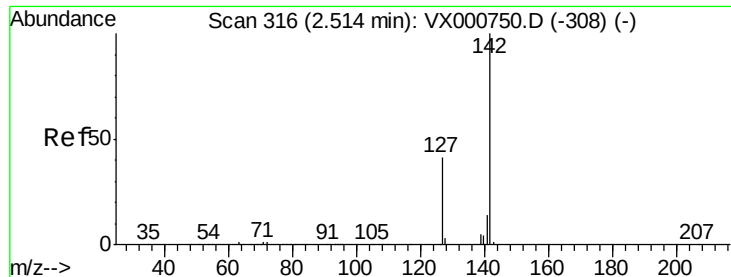
100

50

0

Time-->

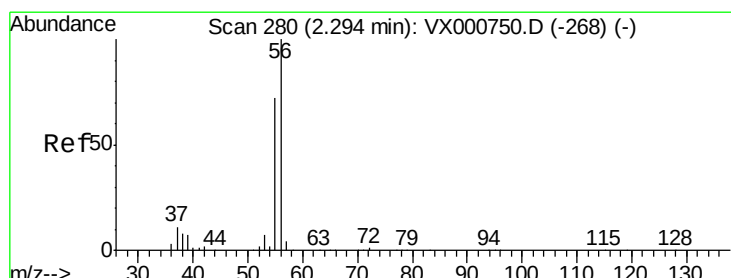
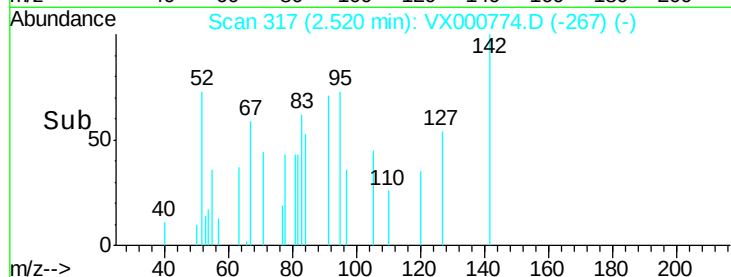
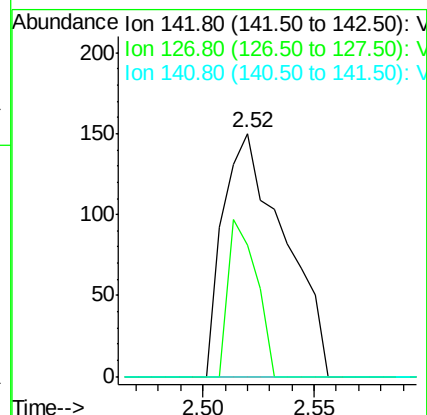
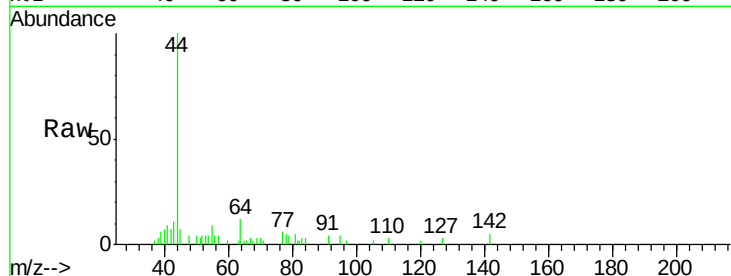




#10
Methvl Iodide
Concen: 8.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

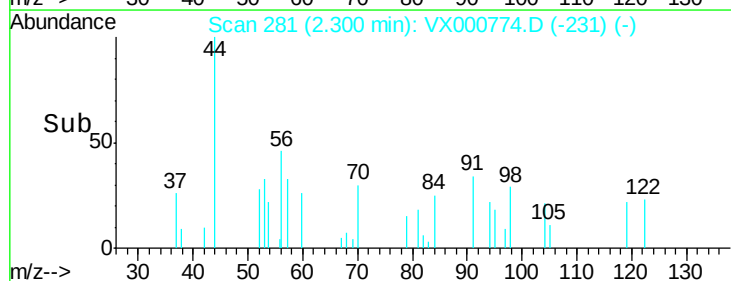
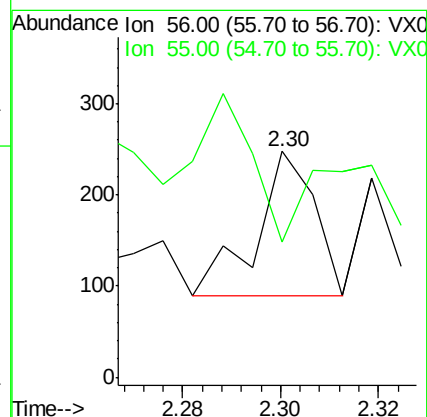
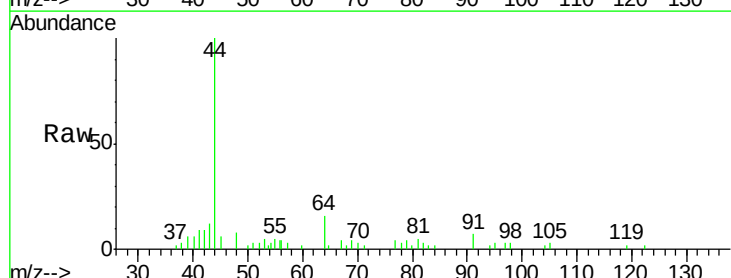
Instrument :
MSVOA_X
ClientSampled :

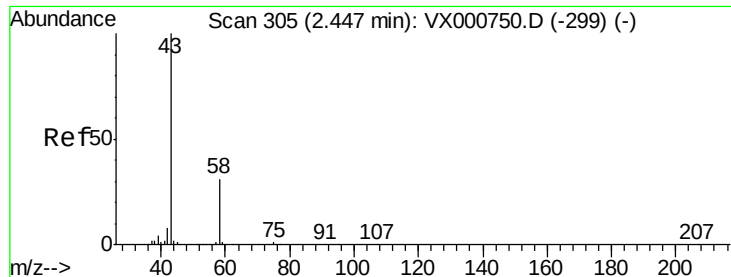
Tot Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 29.6 32.6 49.0#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.38 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 97.7 58.7 88.1#





#16

Acetone

Concen: 2.34 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

Instrument :

MSVOA_X

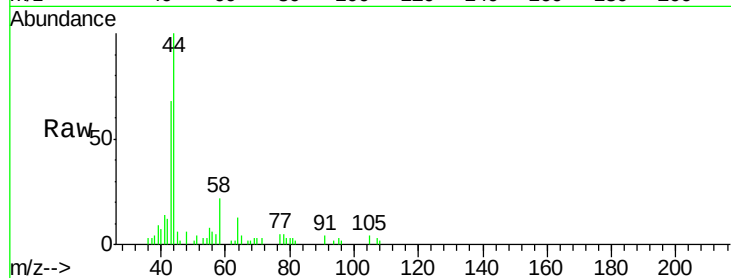
ClientSampleId :

Tot Ion: 43 Resp: 3224

Ion Ratio Lower Upper

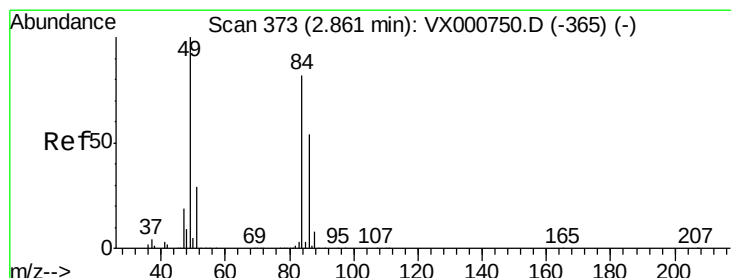
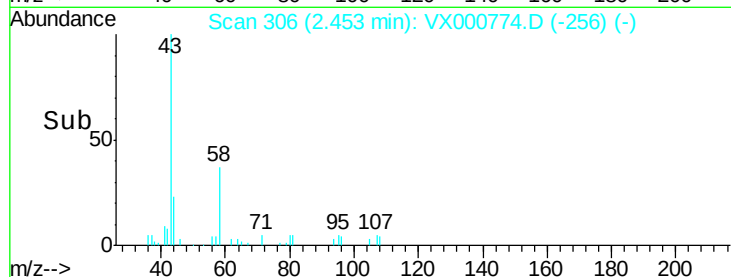
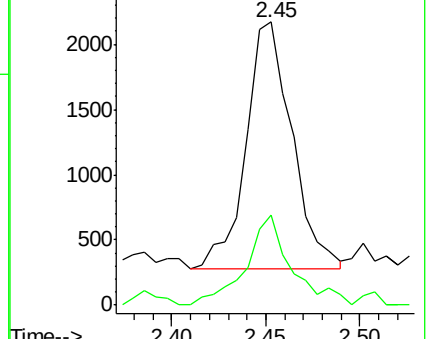
43 100

58 36.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 22.79 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

Tgt Ion: 84 Resp: 72948

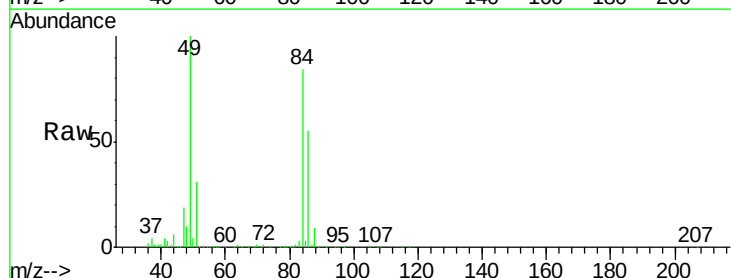
Ion Ratio Lower Upper

84 100

49 118.4 98.1 147.1

51 36.0 28.9 43.3

86 65.3 52.7 79.1

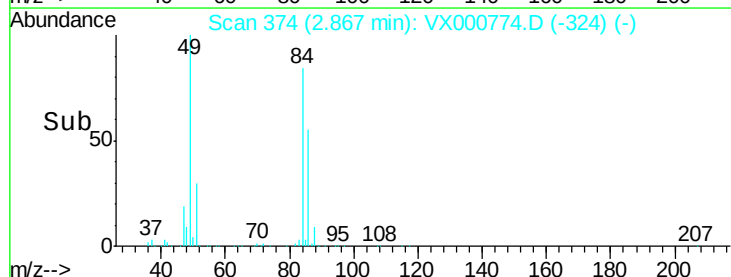
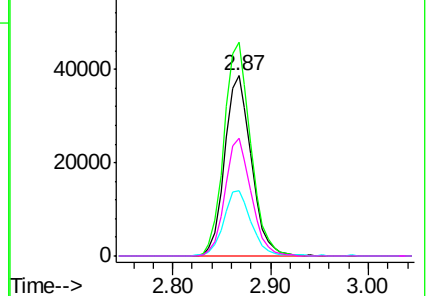


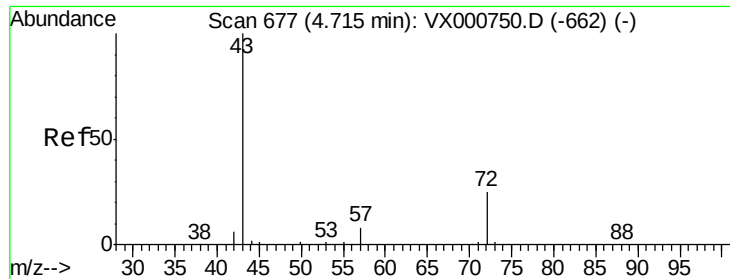
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.31 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

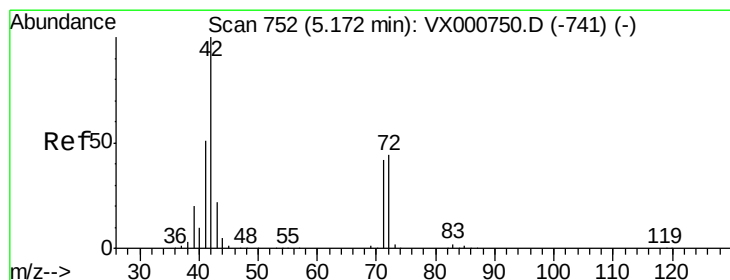
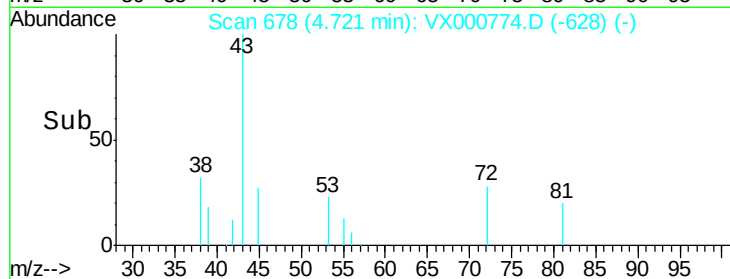
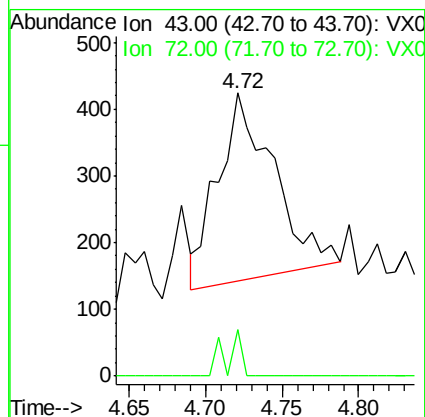
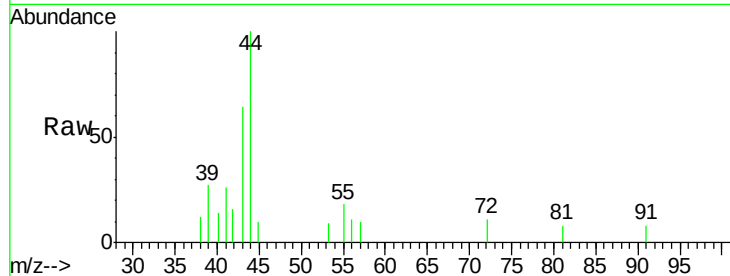
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

72 27.7 20.3 30.5



#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

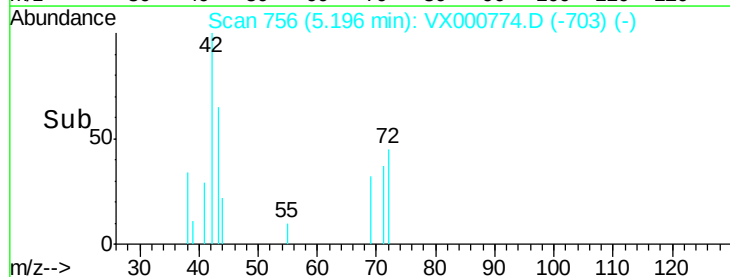
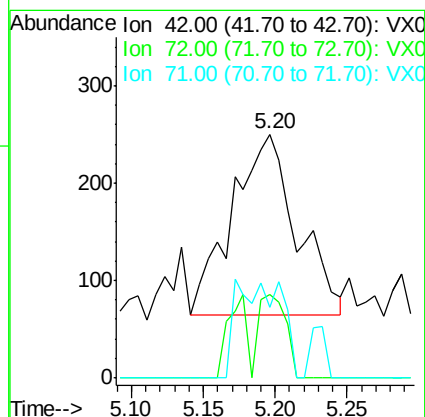
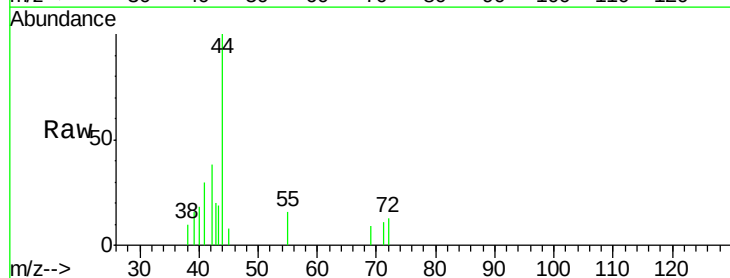
Tgt Ion: 42 Resp: 583

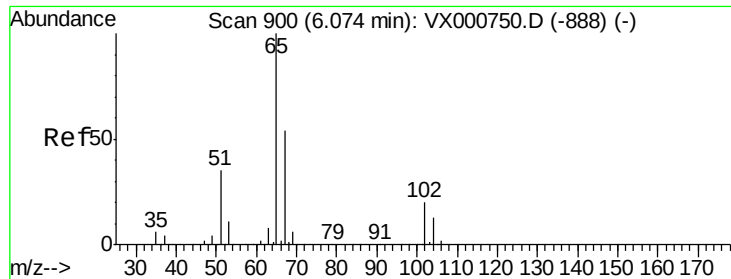
Ion Ratio Lower Upper

42 100

72 18.7 35.1 52.7#

71 0.0 32.8 49.2#

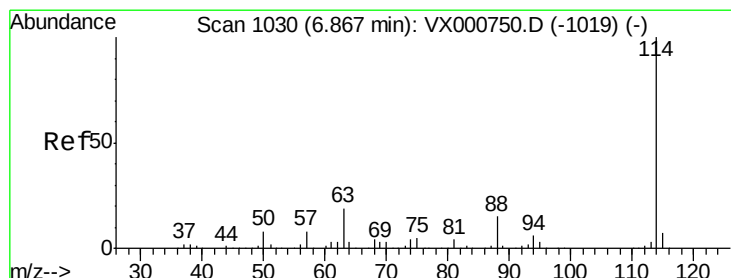
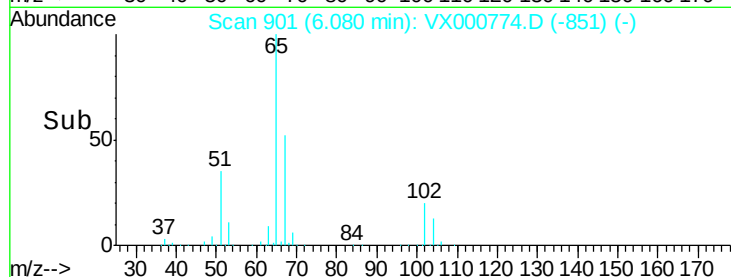
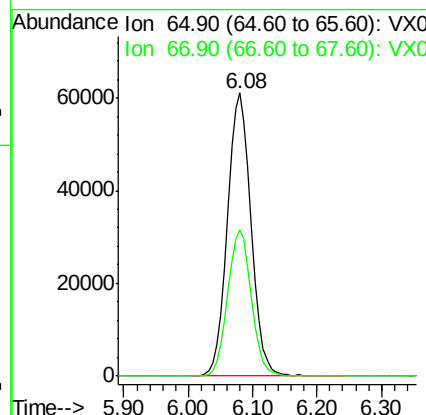
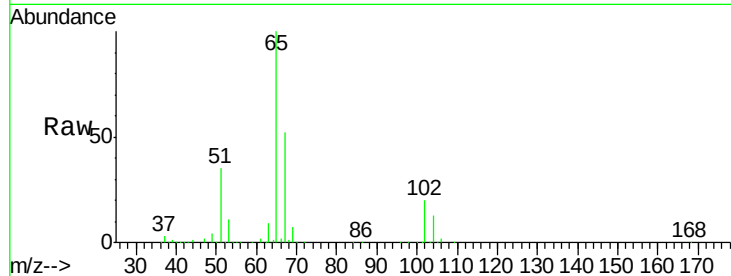




#33
 1,2-Dichloroethane-d4
 Concen: 39.67 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000774.D
 Acq: 11 Apr 2018 13:23

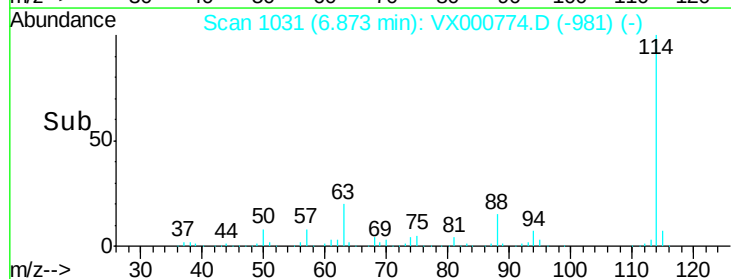
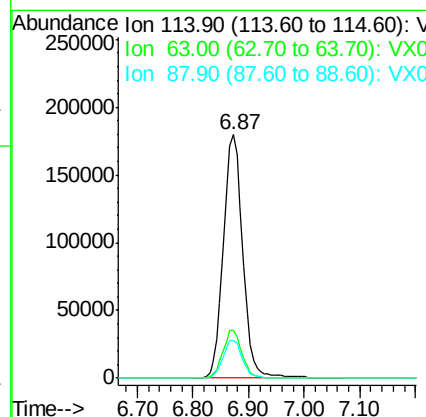
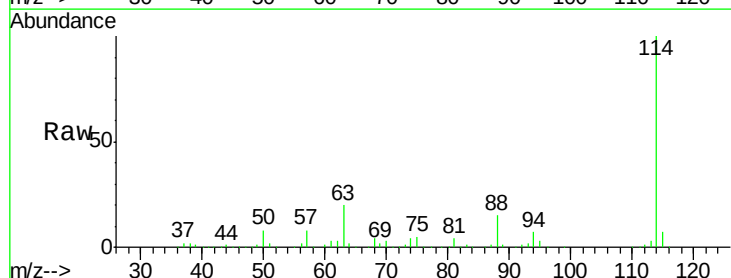
Instrument :
 MSVOA_X
 ClientSampleId :

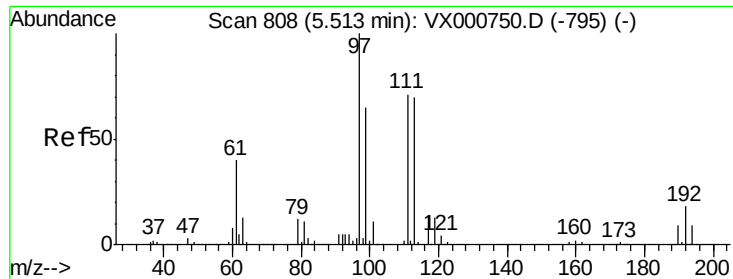
Tot Ion: 65 Resp: 158306
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000774.D
 Acq: 11 Apr 2018 13:23

Tgt Ion: 114 Resp: 435779
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 15.4 0.0 31.0

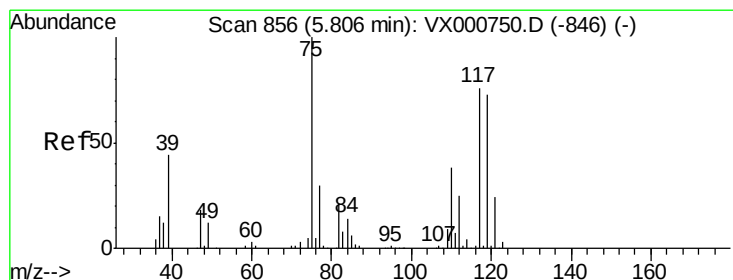
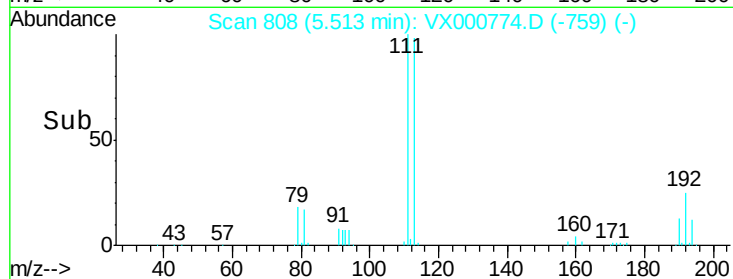
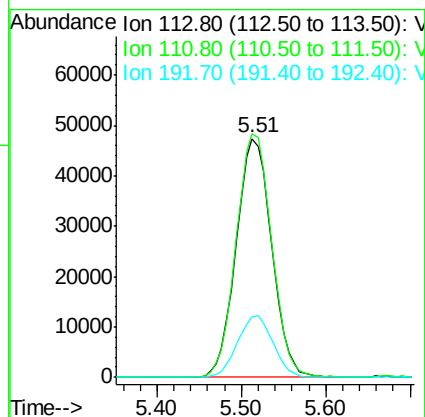
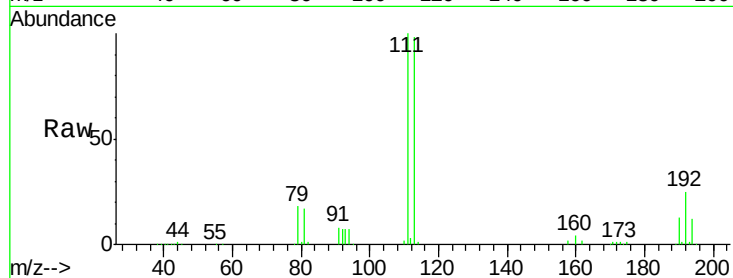




#35
 Dibromofluoromethane
 Concen: 40.20 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000774.D
 Acq: 11 Apr 2018 13:23

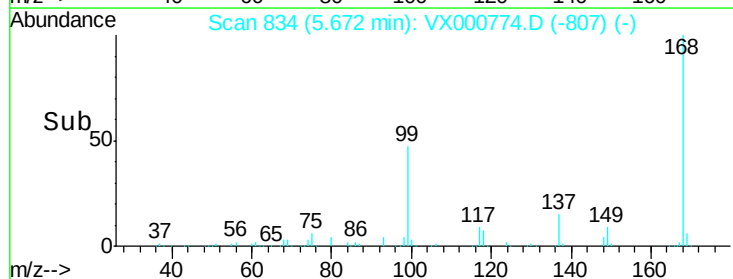
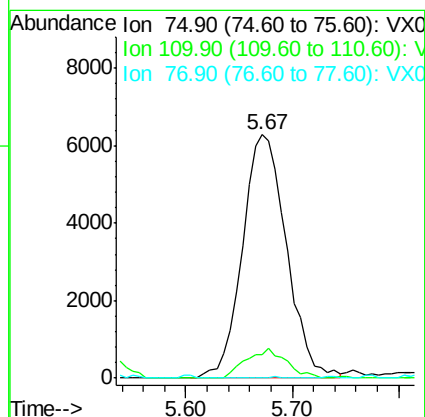
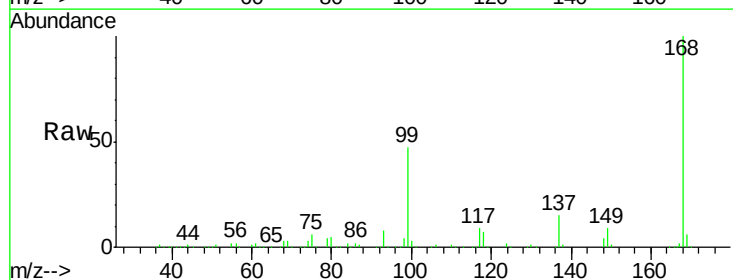
Instrument :
 MSVOA_X
 ClientSampleId :

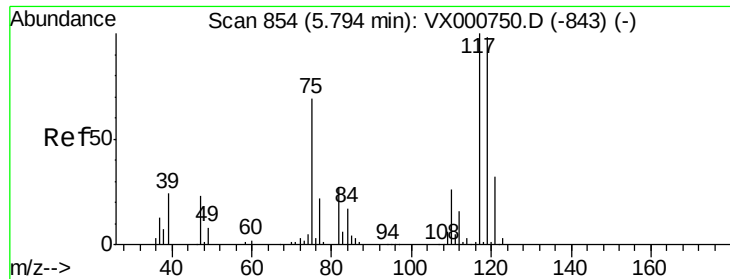
Tot Ion:113 Resp: 134959
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.5 122.3
 192 25.7 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000774.D
 Acq: 11 Apr 2018 13:23

Tgt Ion: 75 Resp: 18198
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.2 57.6#
 77 0.1 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

Instrument :

MSVOA_X

ClientSampleId :

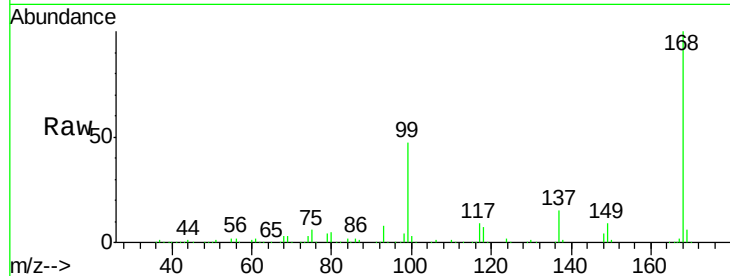
Tot Ion:117 Resp: 26304

Ion Ratio Lower Upper

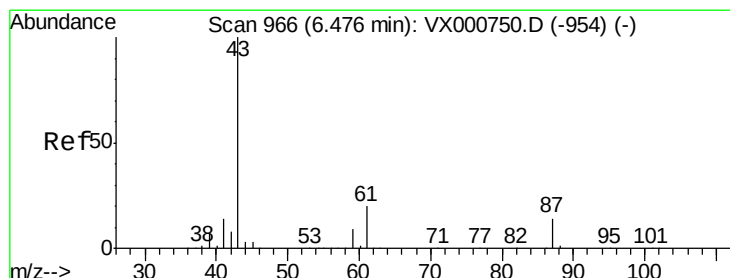
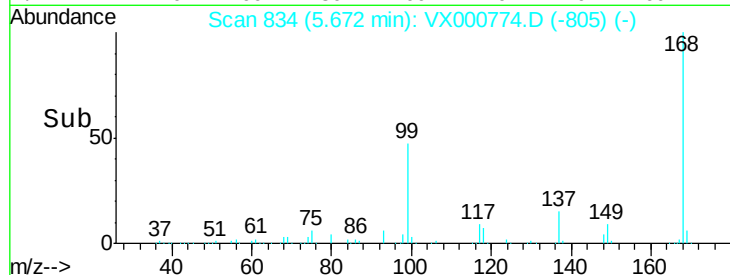
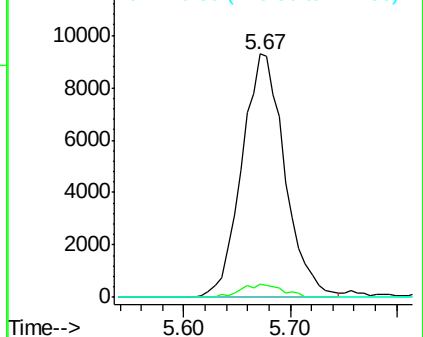
117 100

119 5.4 78.4 117.6#

121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.31 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

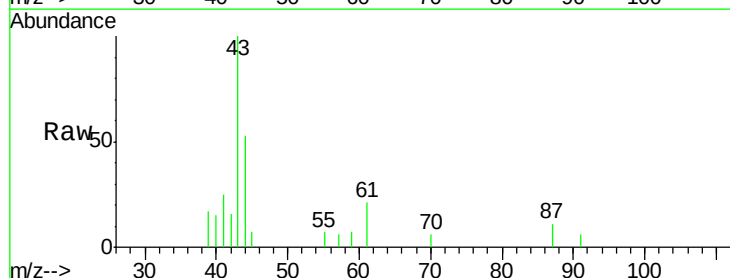
Tgt Ion: 43 Resp: 2499

Ion Ratio Lower Upper

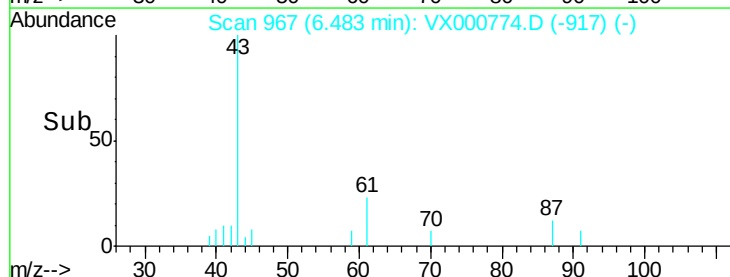
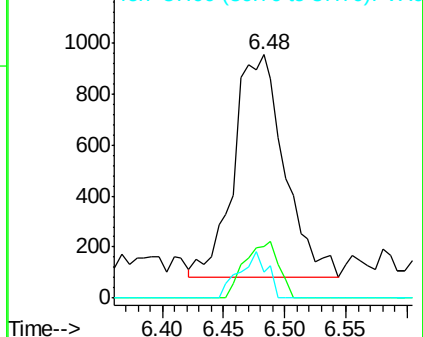
43 100

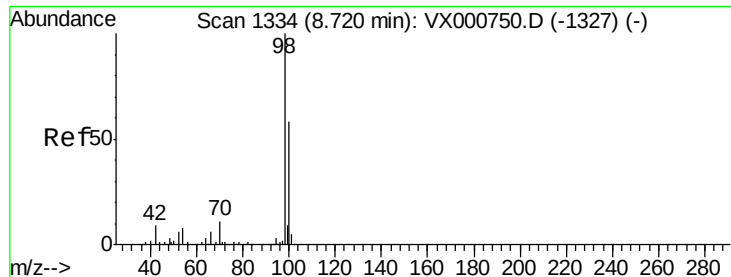
61 17.2 15.6 23.4

87 11.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

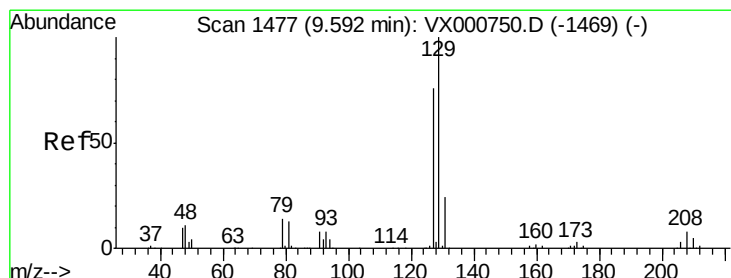
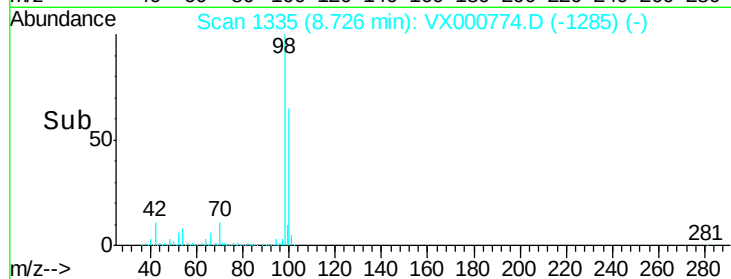
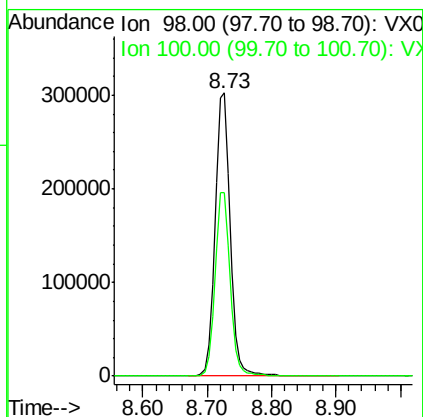
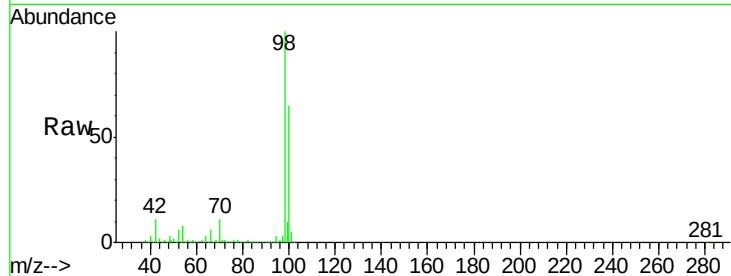




#50
Toluene-d8
Concen: 40.10 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

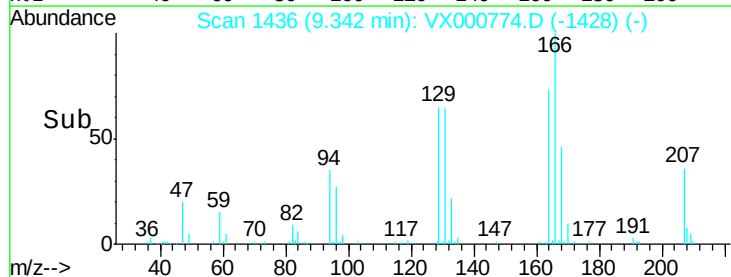
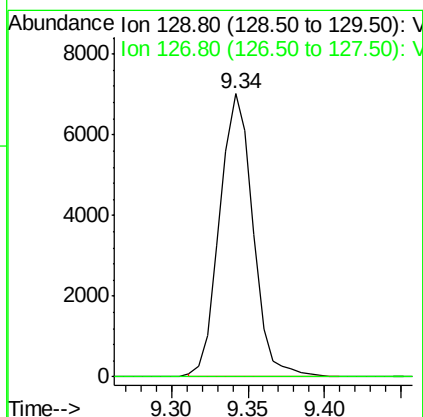
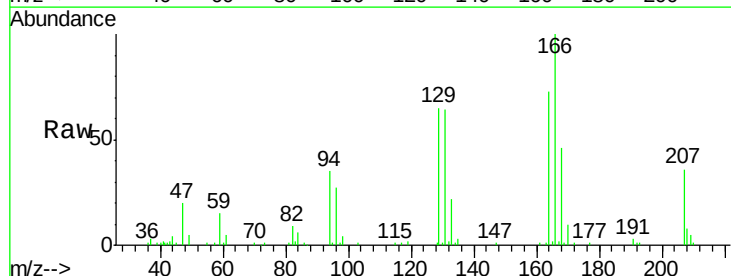
Instrument :
MSVOA_X
ClientSampleId :

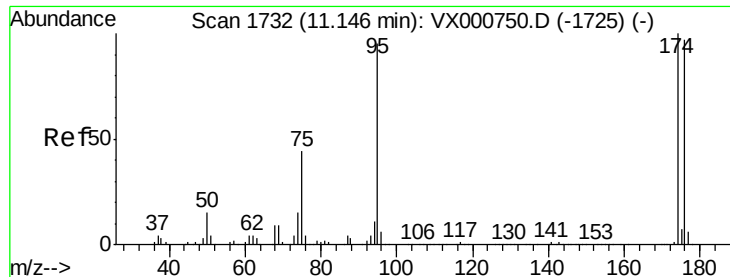
Tot Ion: 98 Resp: 501314
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0



#60
Dibromochloromethane
Concen: 2.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

Tgt Ion:129 Resp: 10639
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

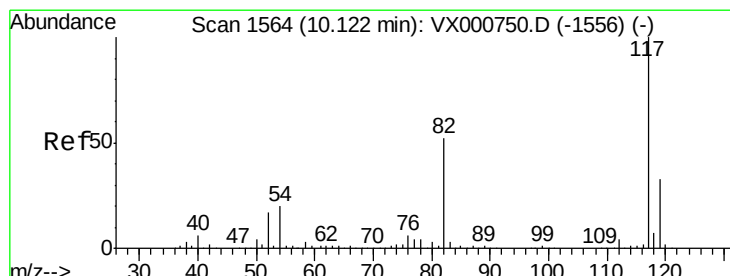
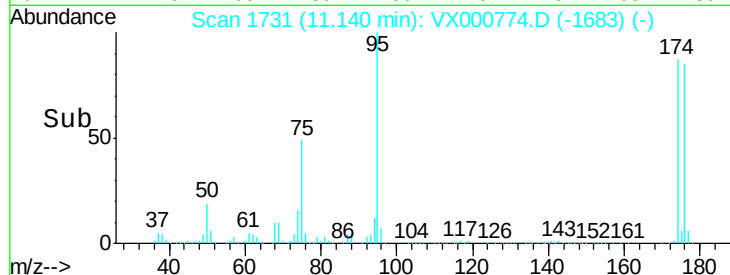
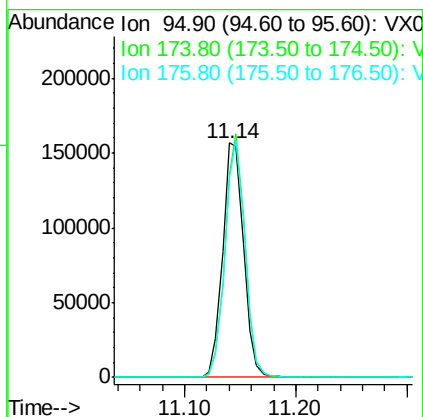
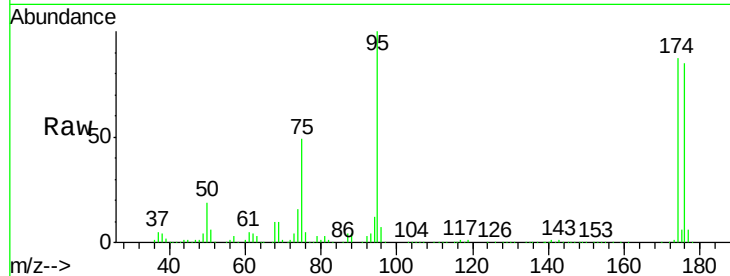




#62
4-Bromofluorobenzene
Concen: 39.44 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

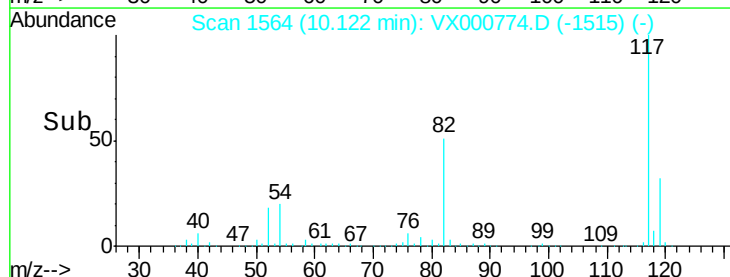
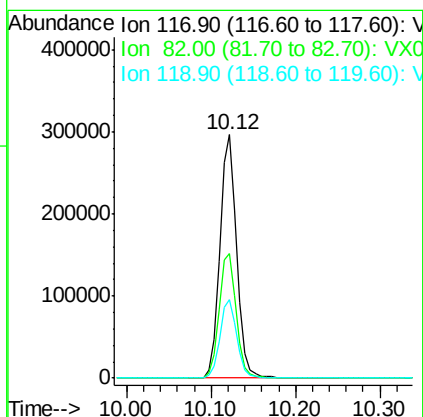
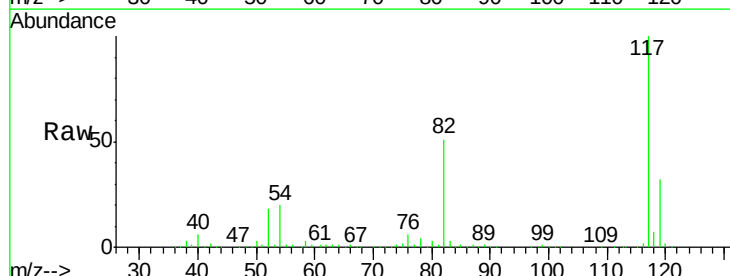
Instrument :
MSVOA_X
ClientSampleId :

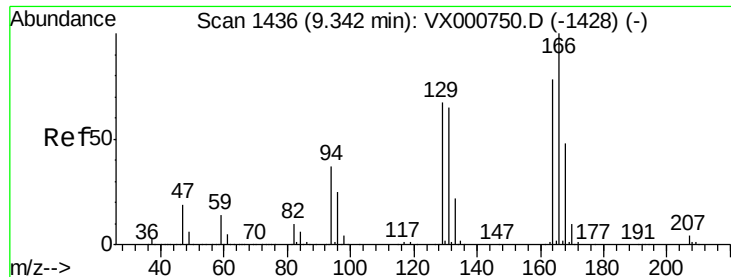
Tot Ion: 95 Resp: 204001
Ion Ratio Lower Upper
95 100
174 98.1 0.0 198.4
176 96.3 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

Tgt Ion: 117 Resp: 406913
Ion Ratio Lower Upper
117 100
82 51.4 41.9 62.9
119 32.2 26.0 39.0





#64

Tetrachloroethene

Concen: 3.00 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 11932

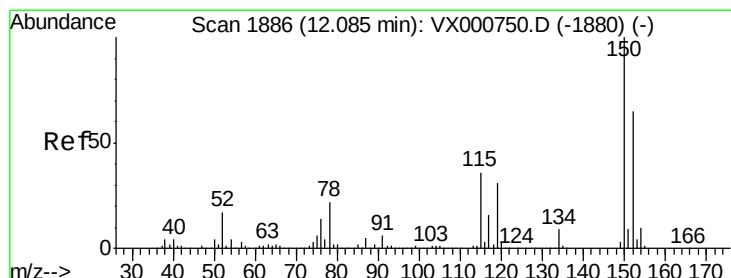
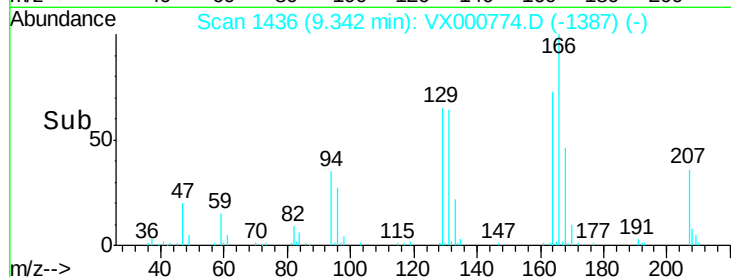
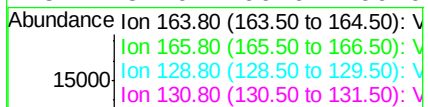
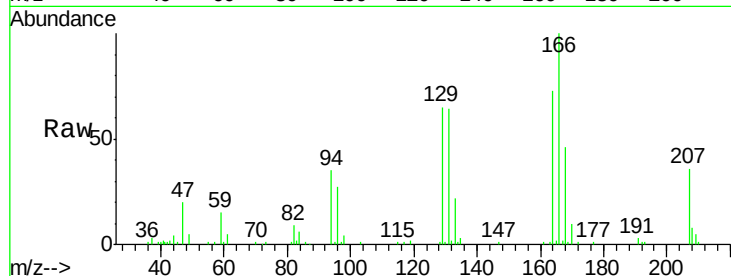
Ion Ratio Lower Upper

164 100

166 136.8 102.8 154.2

129 88.6 68.5 102.7

131 87.0 66.6 100.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000774.D

Acq: 11 Apr 2018 13:23

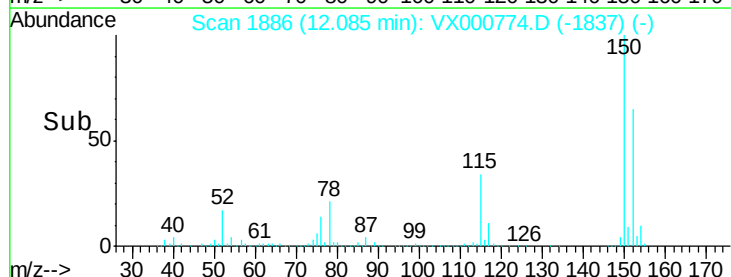
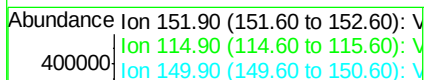
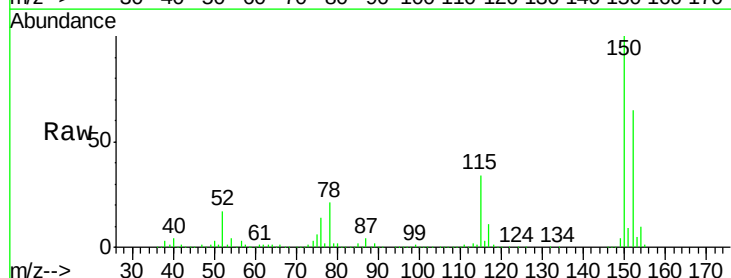
Tgt Ion:152 Resp: 241728

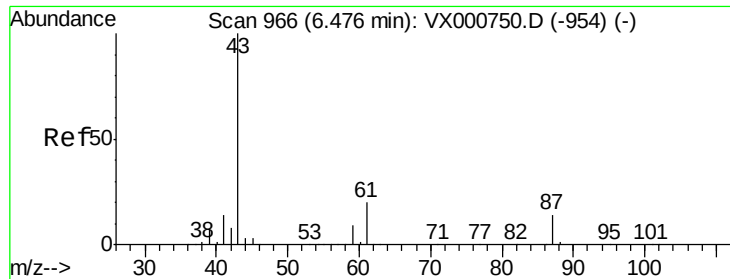
Ion Ratio Lower Upper

152 100

115 53.6 37.9 113.7

150 156.1 0.0 348.0

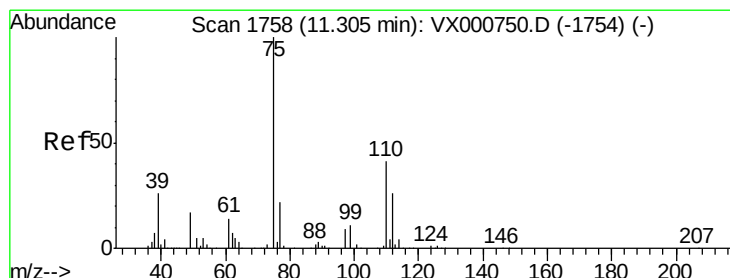
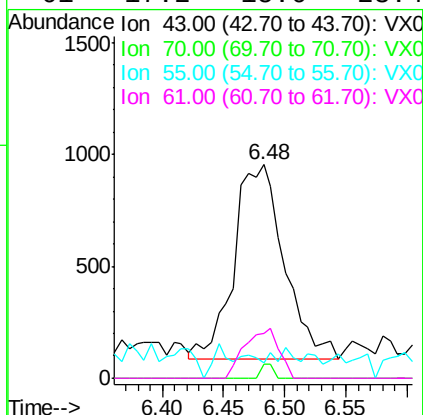
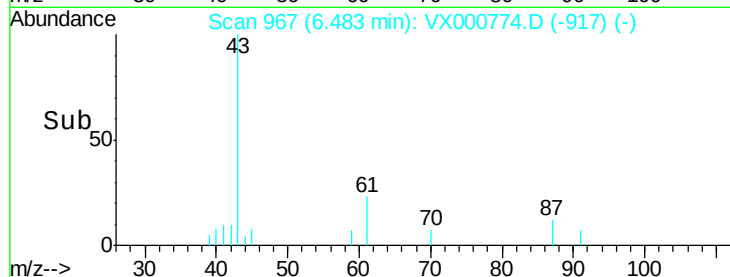
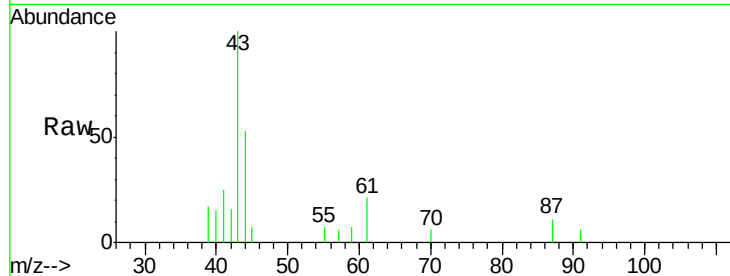




#74
N-amvl acetate
Concen: 0.36 ug/l
RT: 6.48 min Scan# 967
Delta R.T. 0.01 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

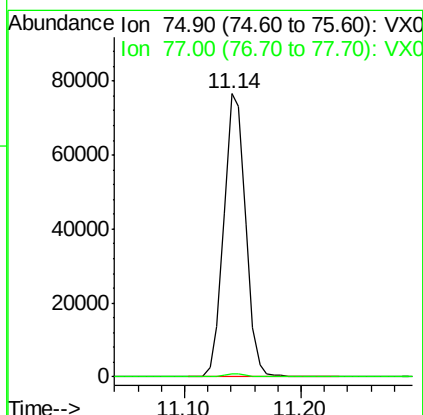
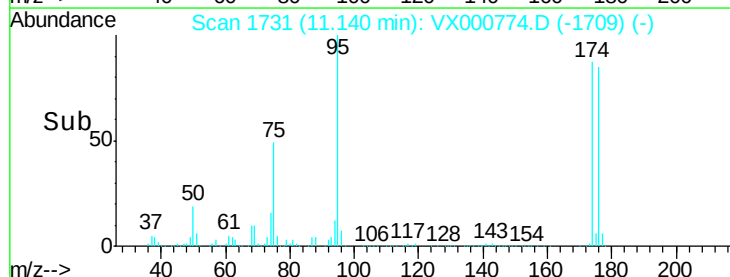
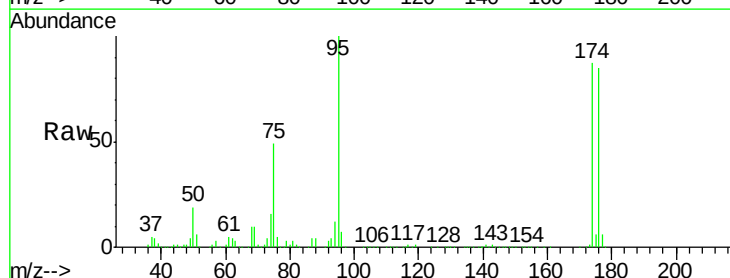
Instrument :
MSVOA_X
ClientSampled :

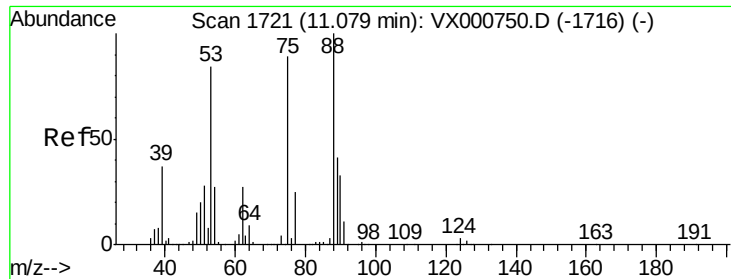
Tot Ion: 43 Resp: 2499
Ion Ratio Lower Upper
43 100
70 1.8 0.0 0.0#
55 1.6 0.0 0.0#
61 17.2 15.6 23.4



#76
1,2,3-Trichloropropane
Concen: 23.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

Tgt Ion: 75 Resp: 99017
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#

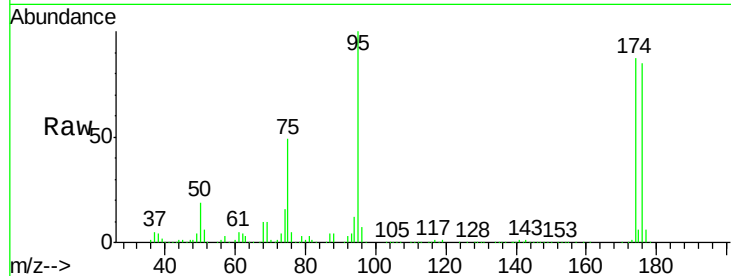




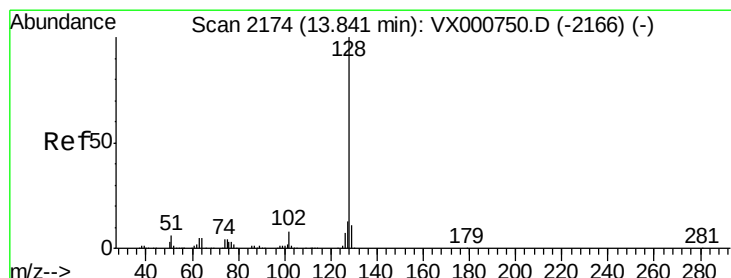
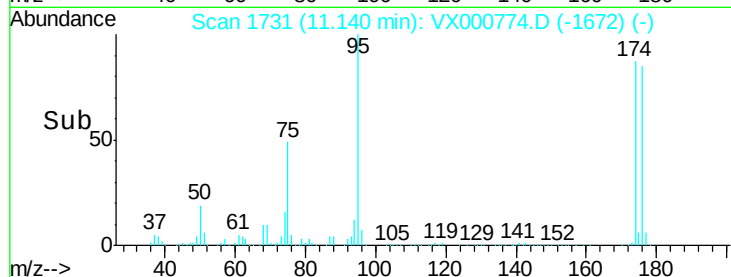
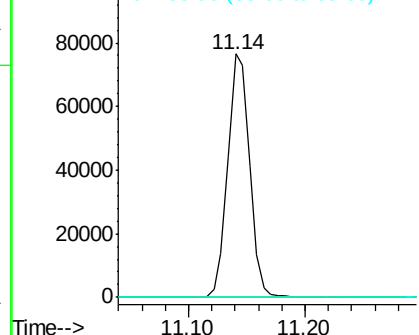
#81
trans-1,4-Dichloro-2-butene
Concen: 65.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 99017
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.0#
89 0.0 40.9 61.3#

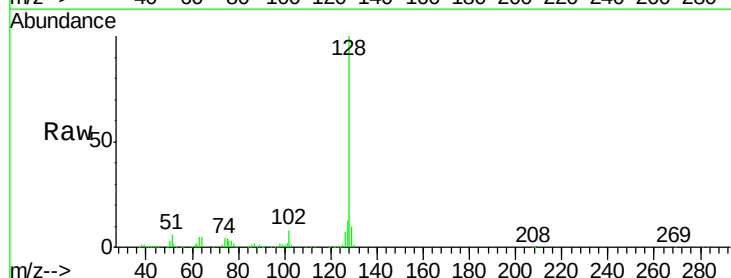


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 8.17 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000774.D
Acq: 11 Apr 2018 13:23

Tgt Ion:128 Resp: 143646
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.7 13.1



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

