

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000444.D
 Acq On : 26 Mar 2018 16:42
 Operator : JC/MD
 Sample : J2044-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:53:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	104530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	190212	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	178275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	79204	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	78689	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
35) Dibromofluoromethane	5.52	113	61407	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	8.73	98	234690	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	11.15	95	73516	36.90	ug/l	0.00
Spiked Amount			Recovery	=	73.80%	

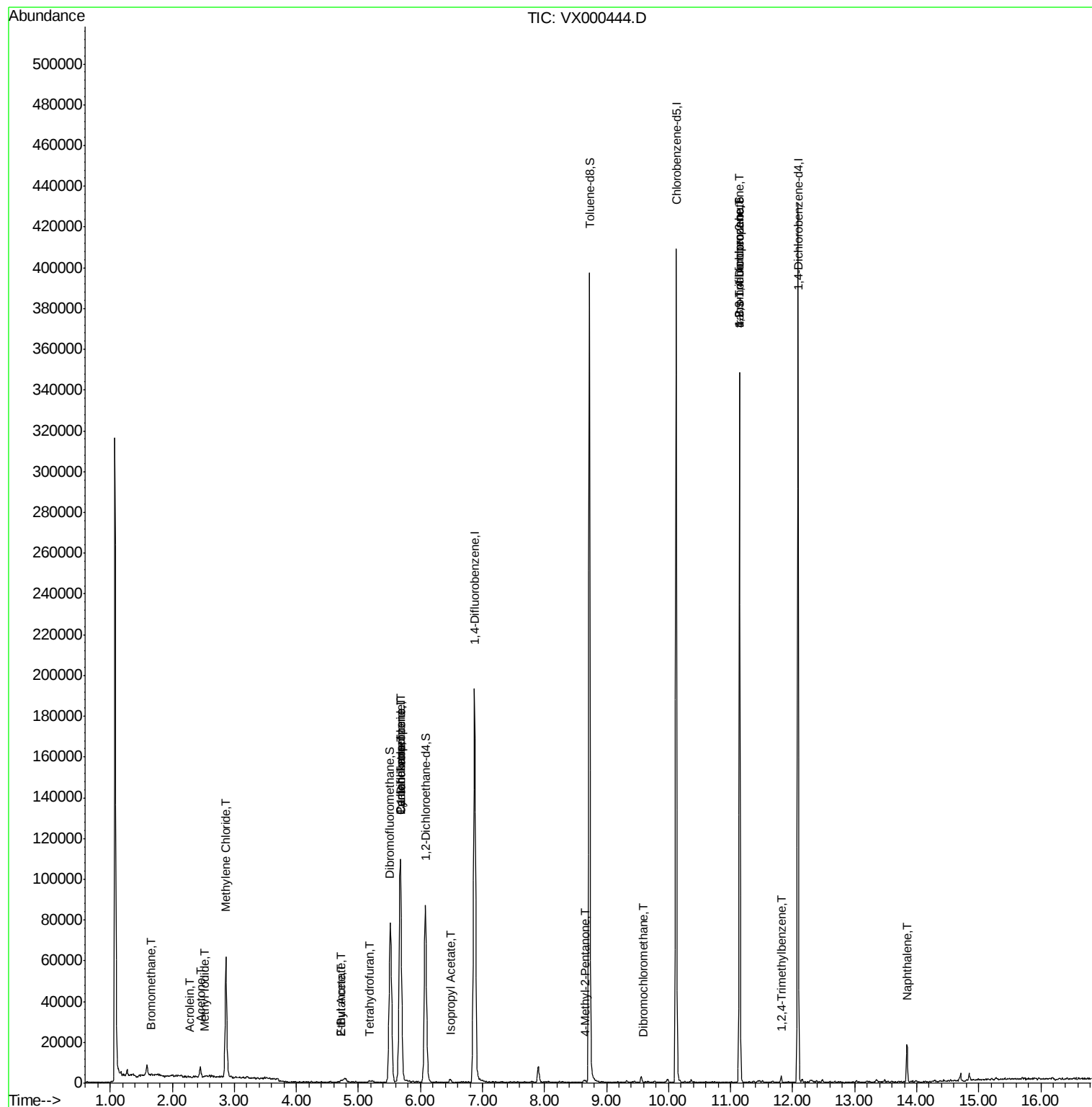
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	268	0.221	ug/l #	29
6) Chloroethane	1.76	64	687	Below Cal	#	44
10) Methyl Iodide	2.52	142	30	4.297	ug/l #	37
13) Acrolein	2.28	56	20	14.704	ug/l #	1
16) Acetone	2.45	43	5759	5.074	ug/l	93
20) Methylene Chloride	2.86	84	25942	19.787	ug/l	93
25) 2-Butanone	4.71	43	1497	1.173	ug/l #	73
29) Tetrahydrofuran	5.18	42	227	0.289	ug/l #	67
31) Cyclohexane	5.68	56	2602	1.511	ug/l #	51
36) 1,1-Dichloropropene	5.68	75	8007	4.494	ug/l #	50
37) Ethyl Acetate	4.71	43	1497	0.615	ug/l #	69
38) Carbon Tetrachloride	5.67	117	9890	5.291	ug/l #	15
43) Isopropyl Acetate	6.48	43	1789	0.494	ug/l #	78
51) 4-Methyl-2-Pentanone	8.66	43	1173	0.418	ug/l #	74
60) Dibromochloromethane	9.60	129	26	4.130	ug/l	85
74) N-amyl acetate	6.48	43	1789	Below Cal	#	86
76) 1,2,3-Trichloropropane	11.15	75	42778	25.131	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42778	81.364	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	1476	0.319	ug/l	95
95) Naphthalene	13.85	128	10900	1.684	ug/l	97

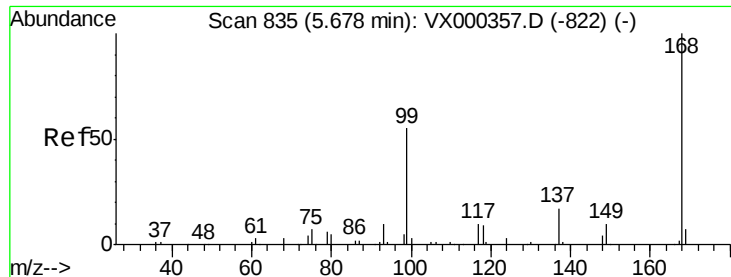
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

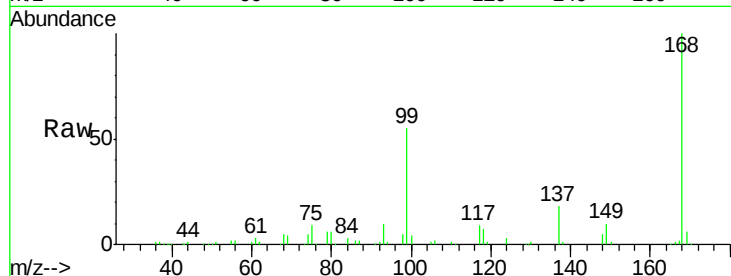
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 104530

Ion Ratio Lower Upper

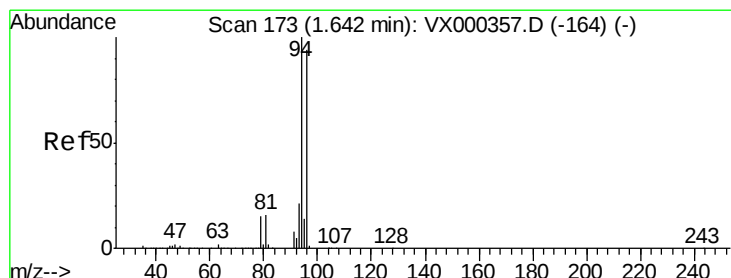
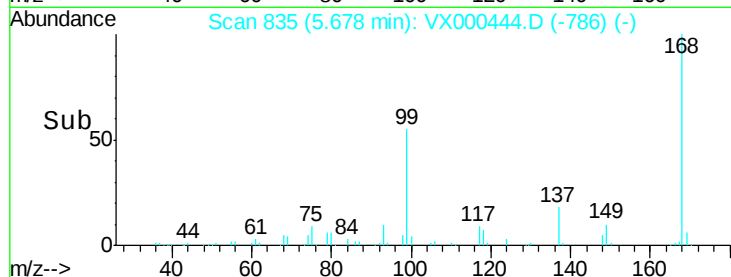
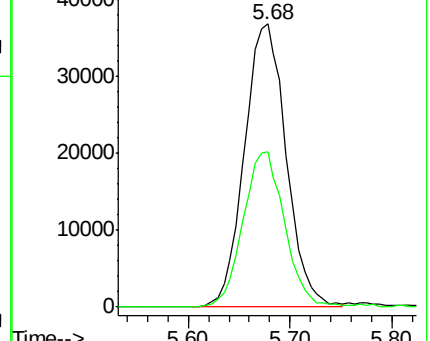
168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.221 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000444.D

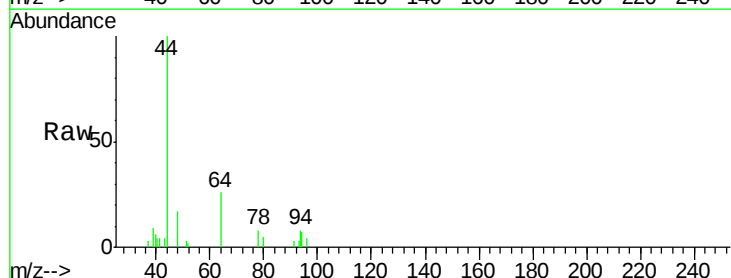
Acq: 26 Mar 2018 16:42

Tgt Ion: 94 Resp: 268

Ion Ratio Lower Upper

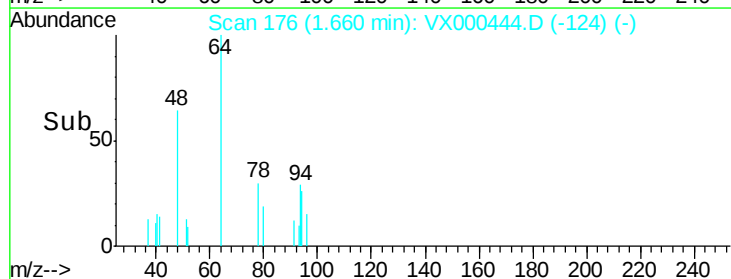
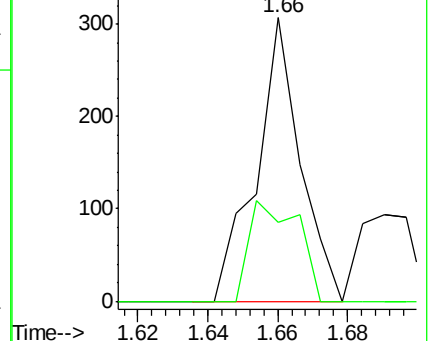
94 100

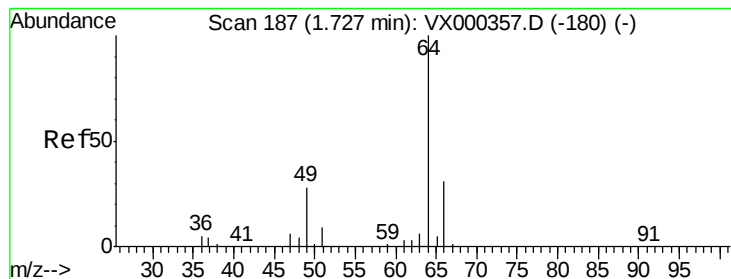
96 27.7 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

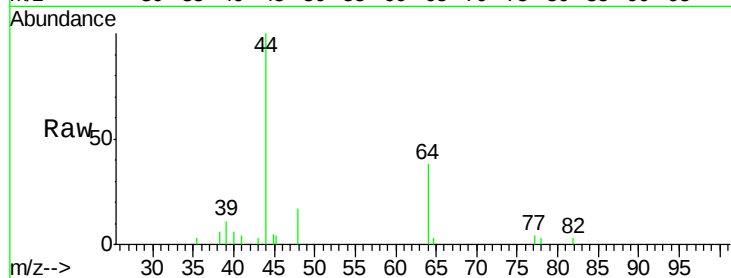
ClientSampleId :

Tot Ion: 64 Resp: 687

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

800

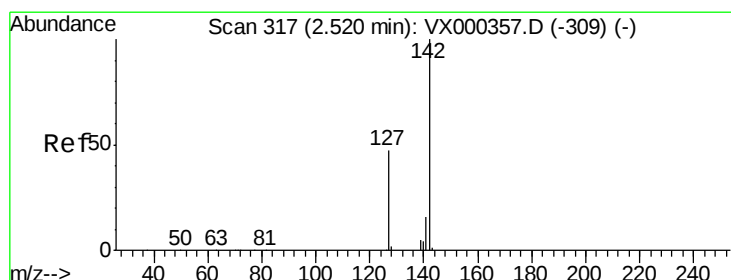
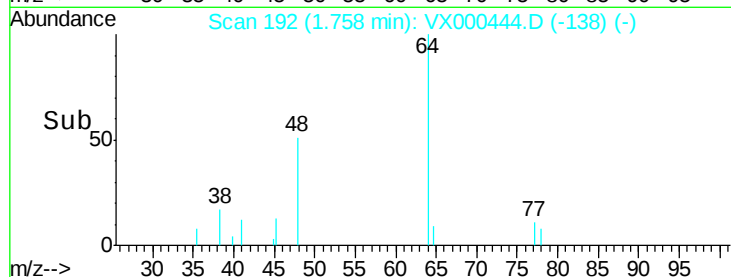
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 4.297 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

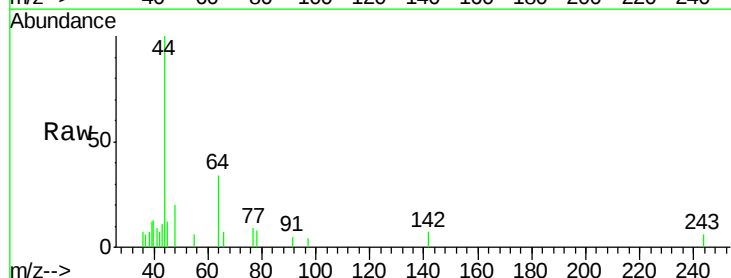
Tgt Ion:142 Resp: 30

Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 0.0 11.7 17.5#



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

100

80

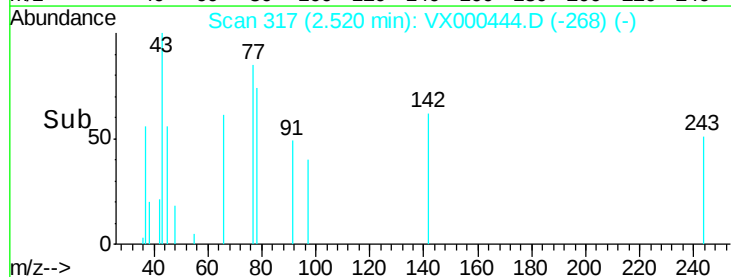
60

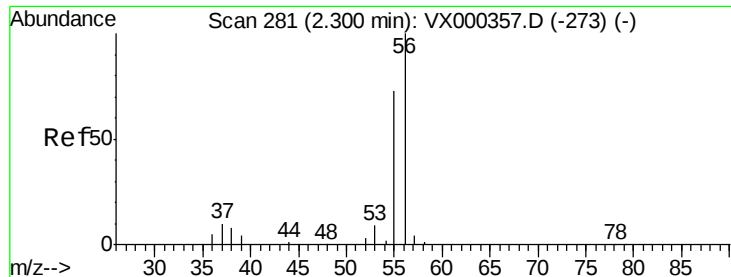
40

20

0

Time-->





#13

Acrolein

Concen: 14.704 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

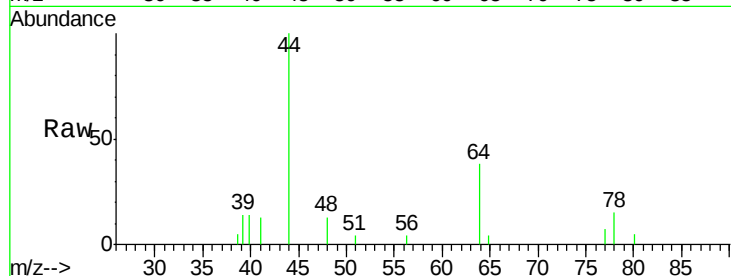
ClientSampled :

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

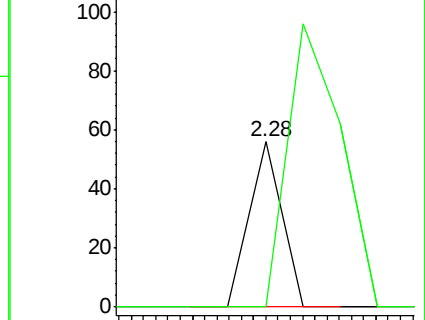
56 100

55 290.0 58.8 88.2#

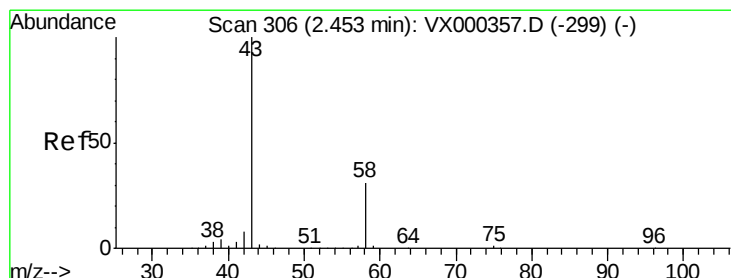
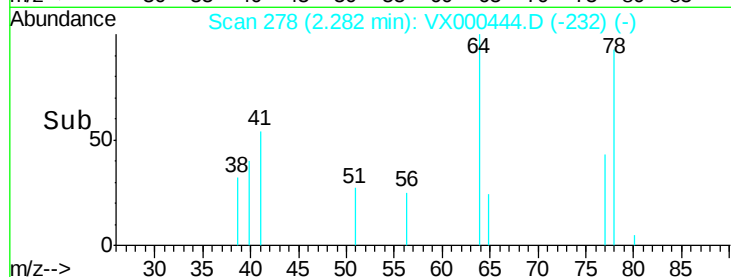


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.26 2.27 2.28 2.29 2.30



#16

Acetone

Concen: 5.074 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000444.D

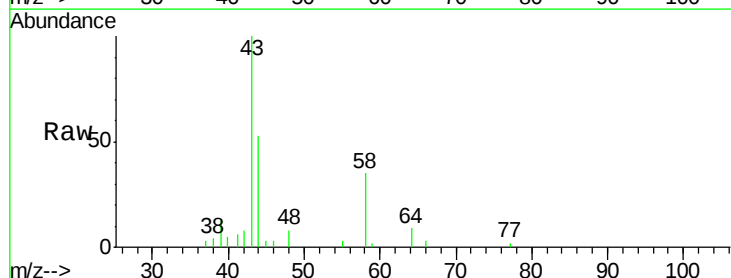
Acq: 26 Mar 2018 16:42

Tgt Ion: 43 Resp: 5759

Ion Ratio Lower Upper

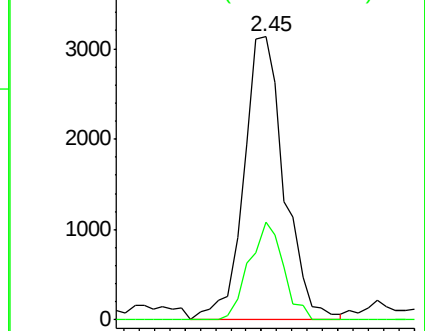
43 100

58 34.7 24.7 37.1

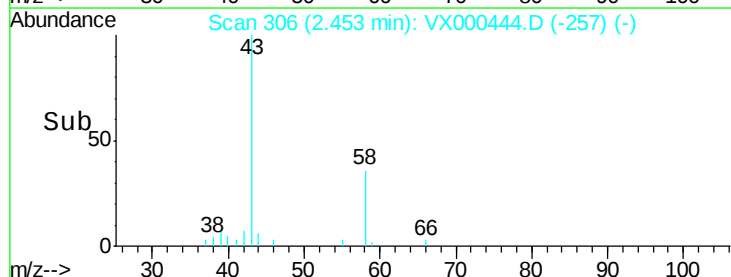


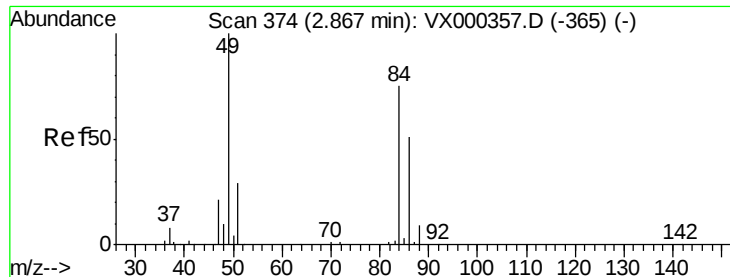
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 2.40 2.45 2.50

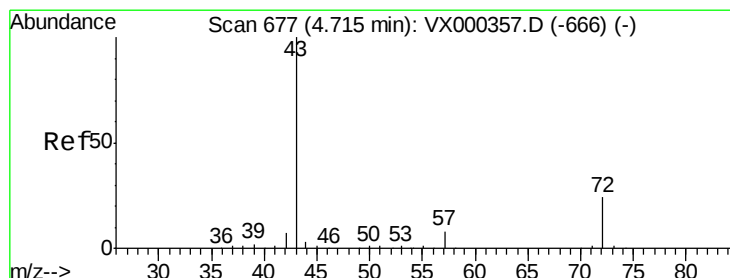
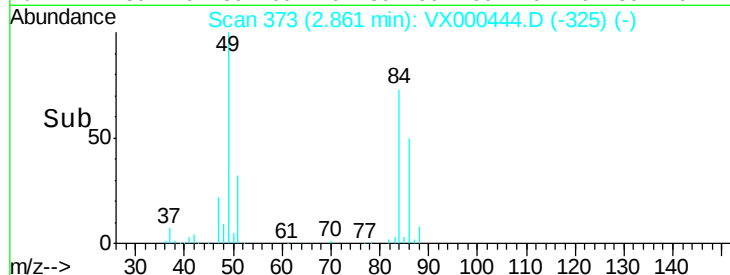
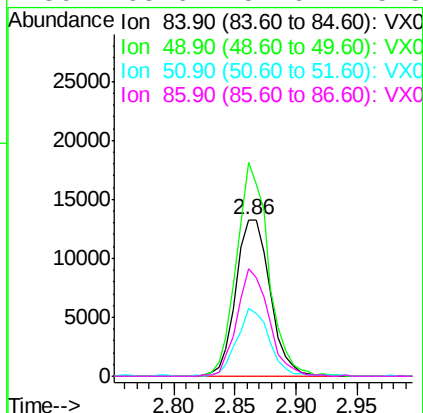
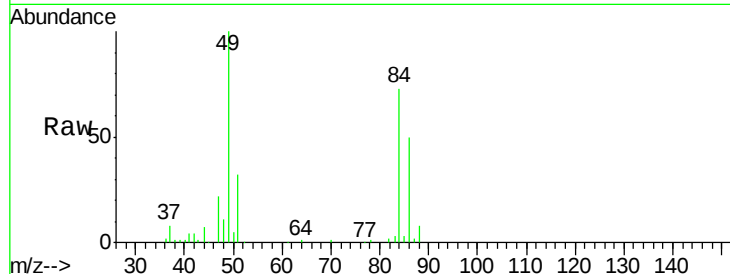




#20
Methvlene Chloride
Concen: 19.787 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

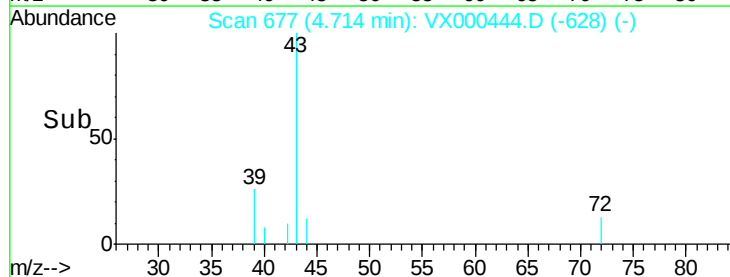
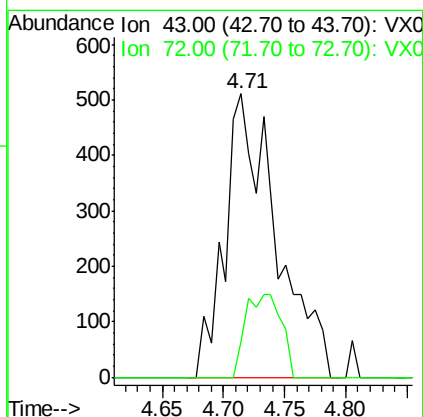
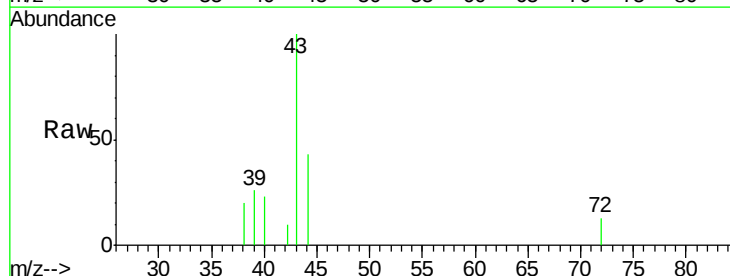
Instrument :
MSVOA_X
ClientSampled :

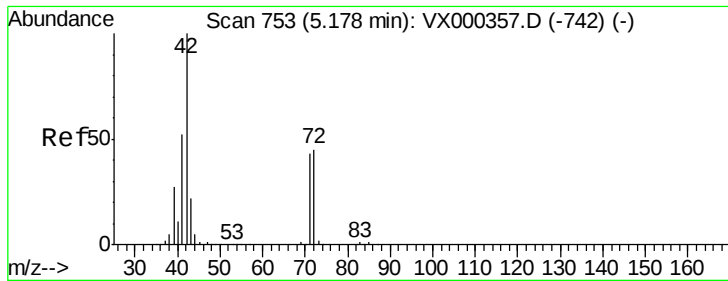
Tot Ion: 84 Resp: 25942
Ion Ratio Lower Upper
84 100
49 136.6 100.6 151.0
51 43.3 31.6 47.4
86 68.6 52.6 78.8



#25
2-Butanone
Concen: 1.173 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
72 12.5 21.0 31.6#

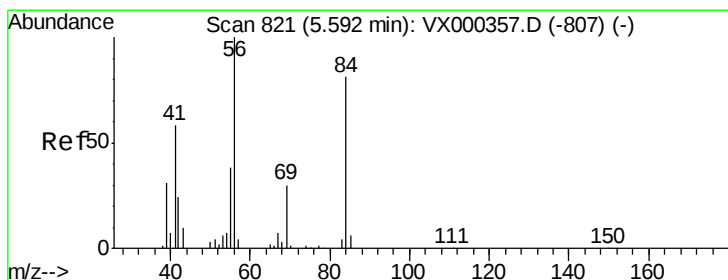
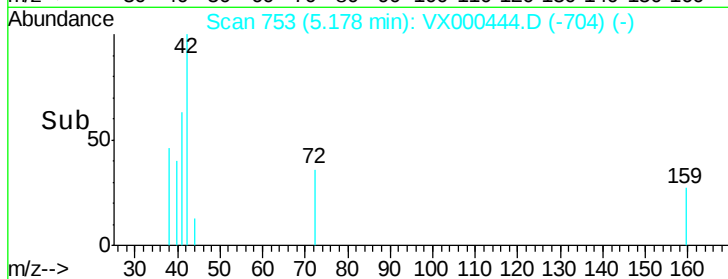
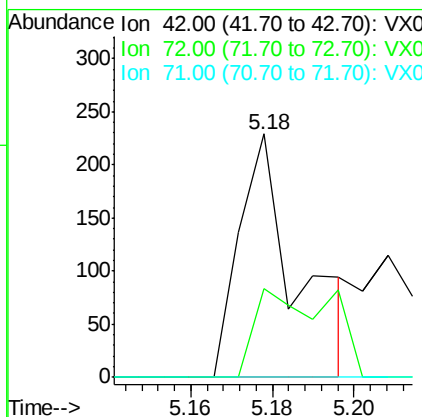
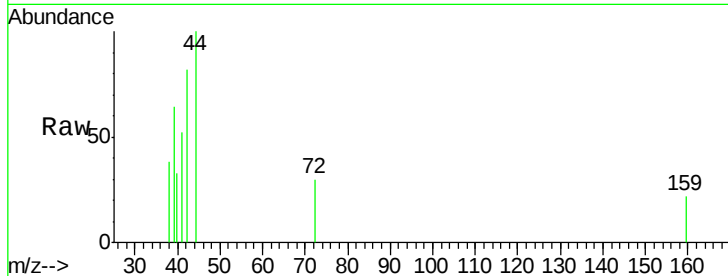




#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

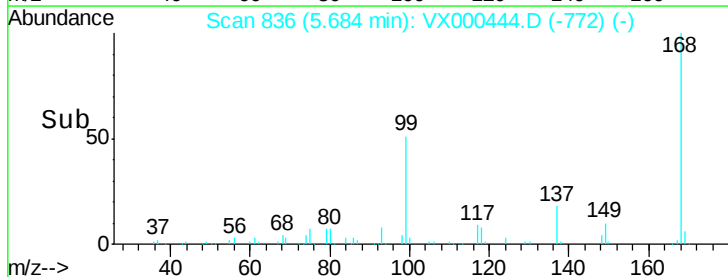
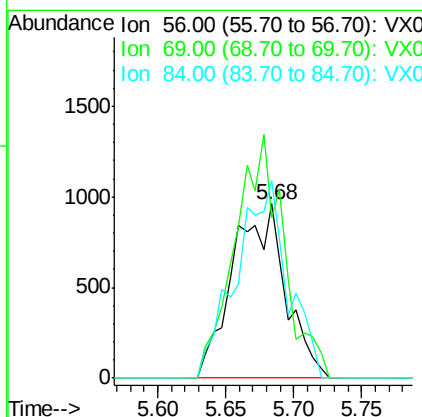
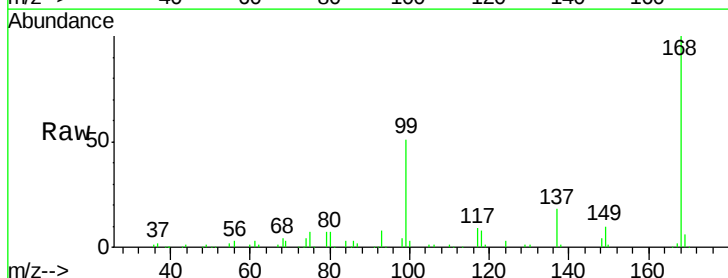
Instrument :
MSVOA_X
ClientSampleId :

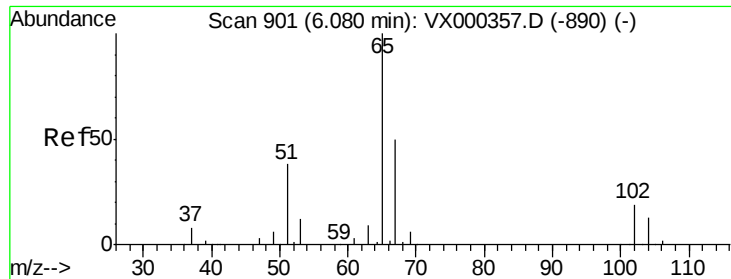
Tot Ion: 42 Resp: 227
Ion Ratio Lower Upper
42 100
72 46.3 37.9 56.9
71 0.0 34.4 51.6#



#31
Cyclohexane
Concen: 1.511 ug/l
RT: 5.68 min Scan# 836
Delta R.T. 0.09 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

Tgt Ion: 56 Resp: 2602
Ion Ratio Lower Upper
56 100
69 92.2 23.4 35.0#
84 113.6 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 57.670 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

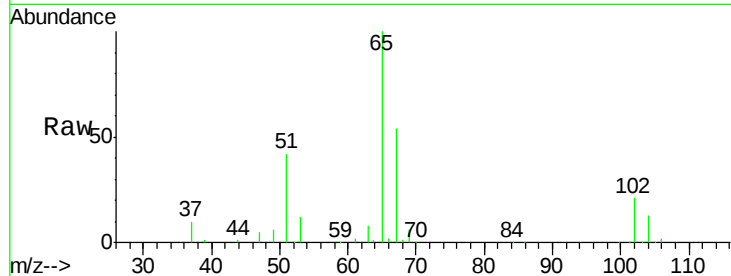
ClientSampleId :

Tot Ion: 65 Resp: 78689

Ion Ratio Lower Upper

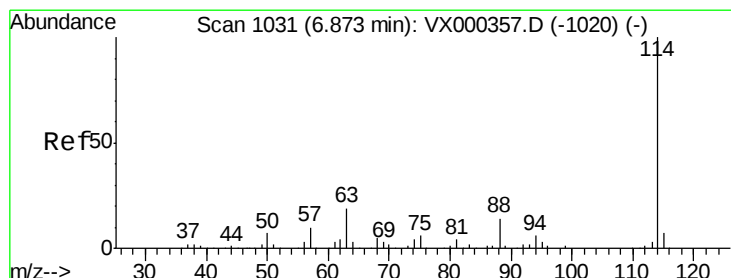
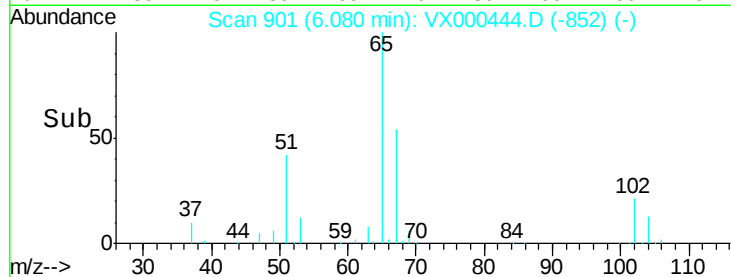
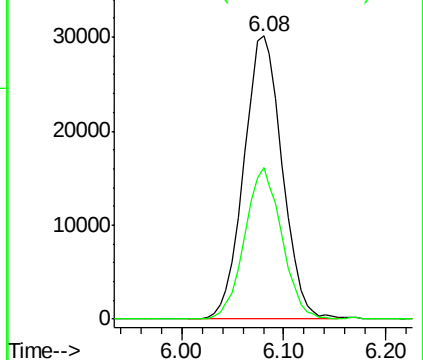
65 100

67 51.6 0.0 103.2



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. -0.00 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

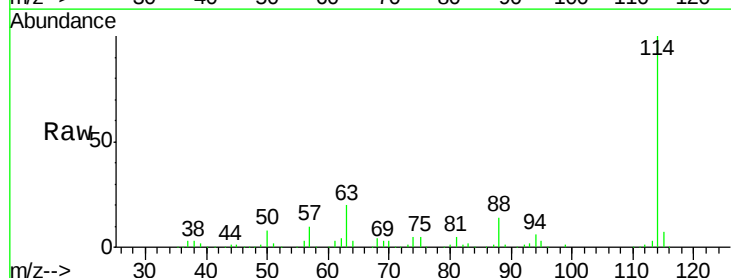
Tgt Ion: 114 Resp: 190212

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

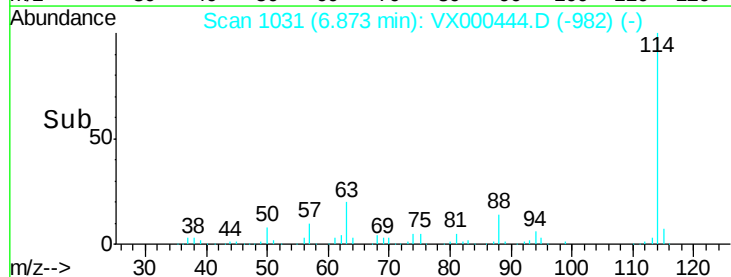
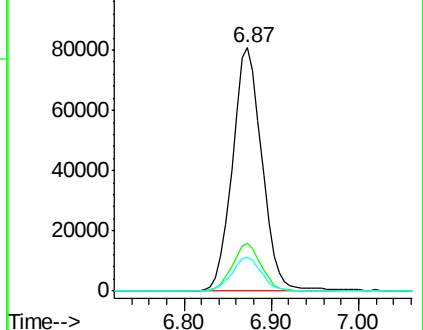
88 14.0 0.0 27.0

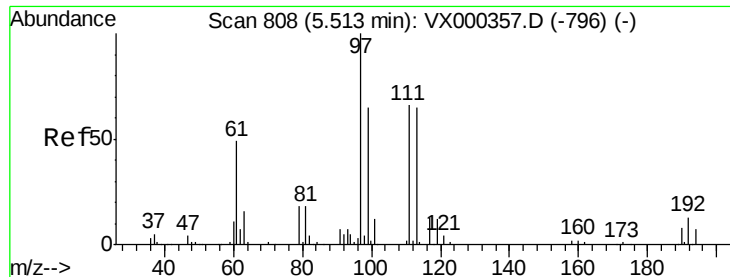


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.237 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

ClientSampled :

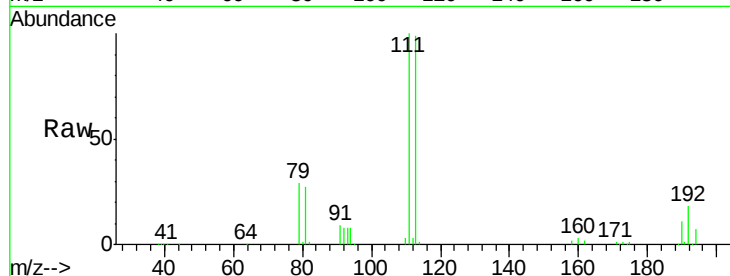
Tot Ion:113 Resp: 61407

Ion Ratio Lower Upper

113 100

111 100.9 82.4 123.6

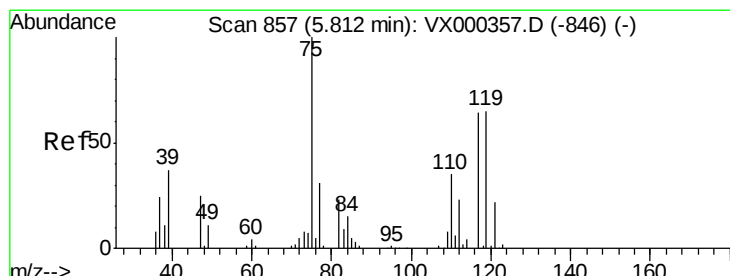
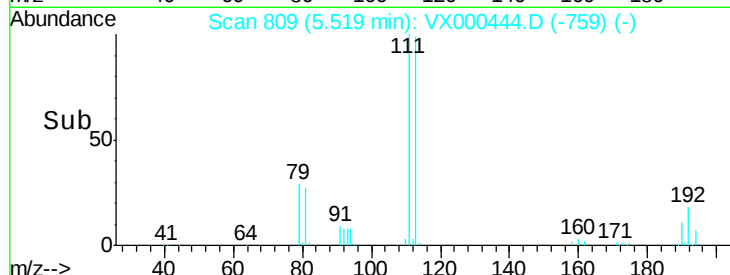
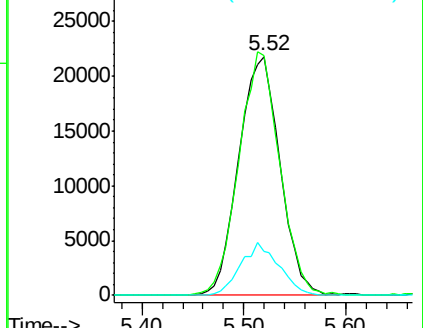
192 20.5 15.8 23.6



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: 4.494 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

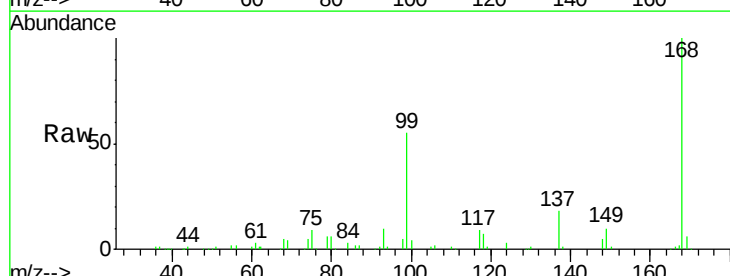
Tgt Ion: 75 Resp: 8007

Ion Ratio Lower Upper

75 100

110 9.4 17.9 53.7#

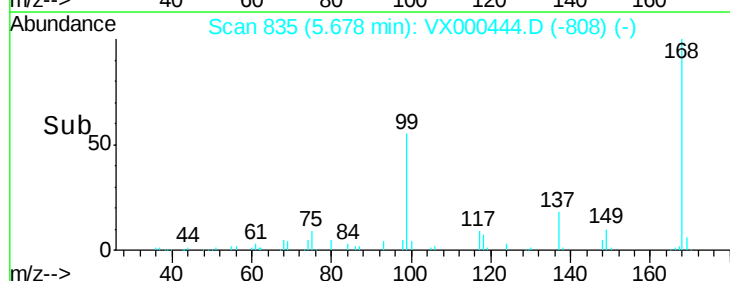
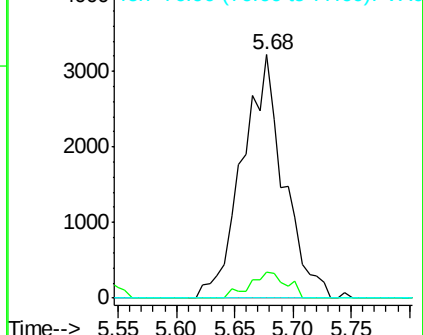
77 0.0 24.0 36.0#

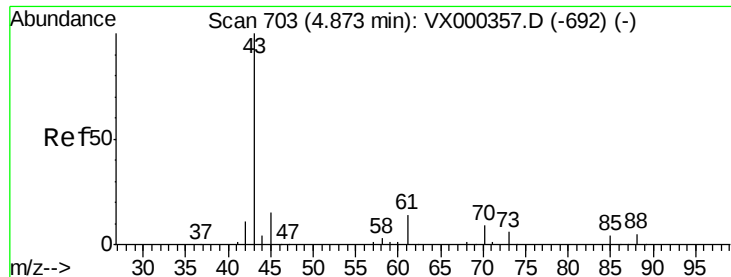


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.615 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.16 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

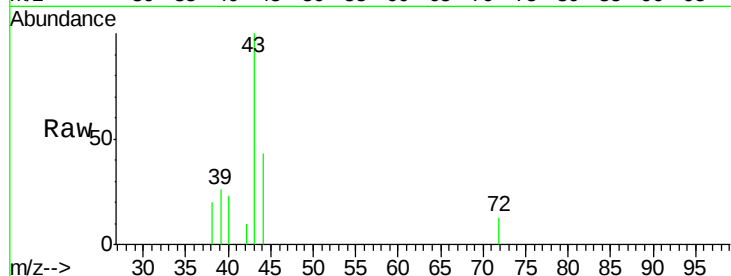
Tot Ion: 43 Resp: 1497

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

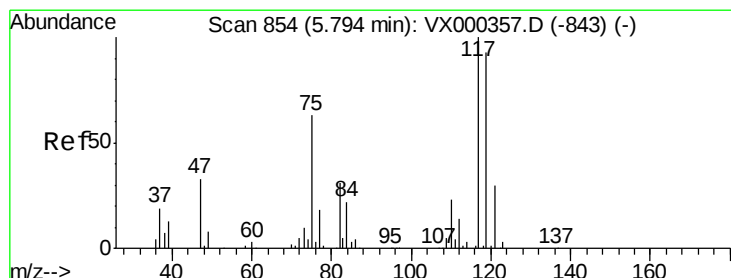
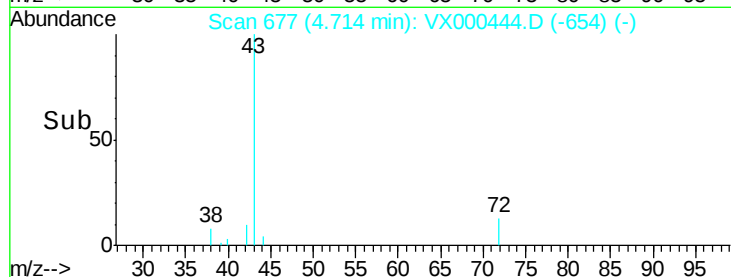
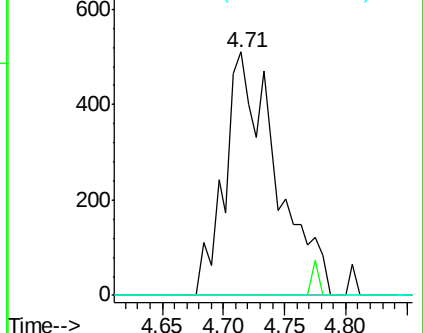
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.291 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

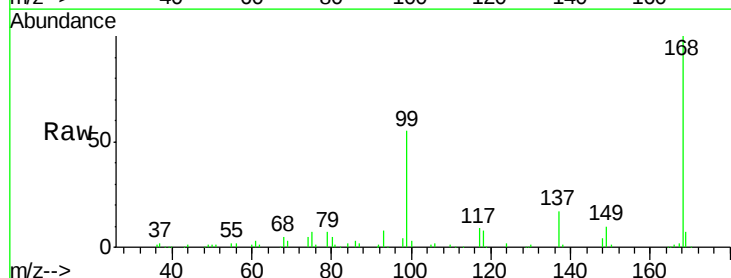
Tgt Ion: 117 Resp: 9890

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.2#

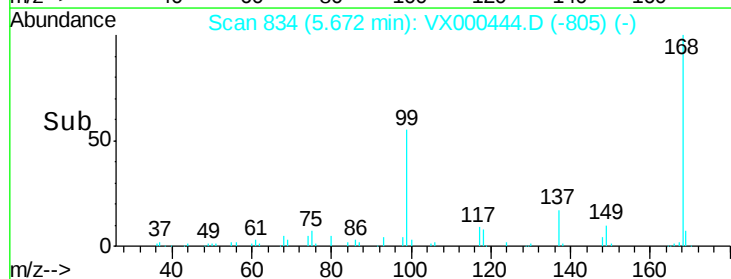
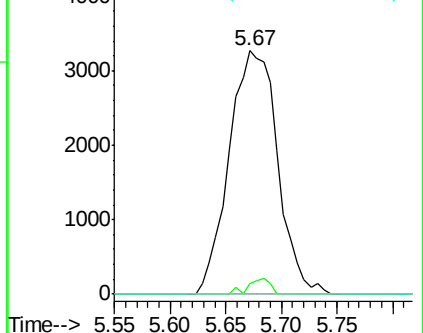
121 0.0 24.8 37.2#

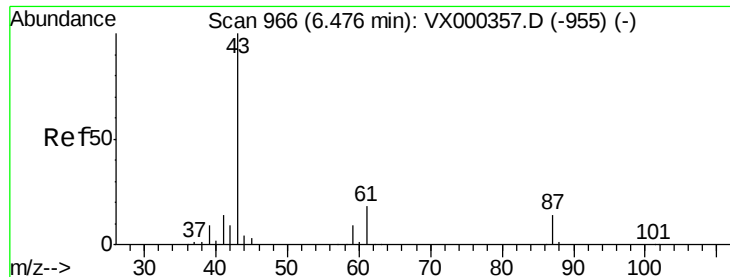


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.494 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

ClientSampled :

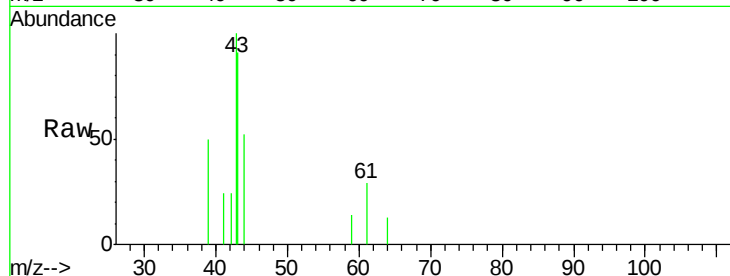
Tot Ion: 43 Resp: 1789

Ion Ratio Lower Upper

43 100

61 11.9 14.4 21.6#

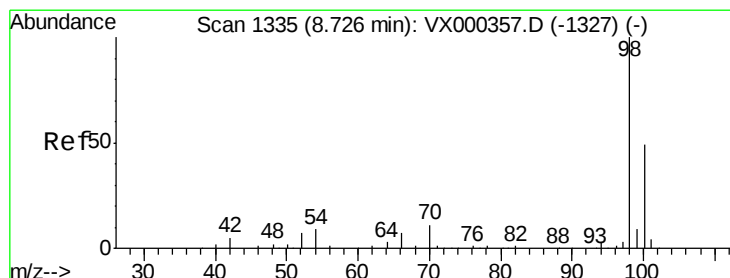
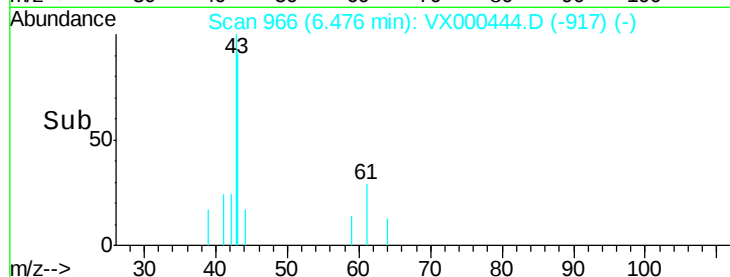
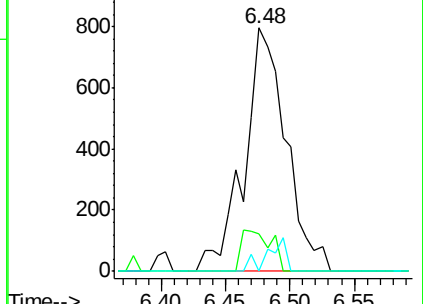
87 0.0 11.0 16.4#



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: 47.281 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000444.D

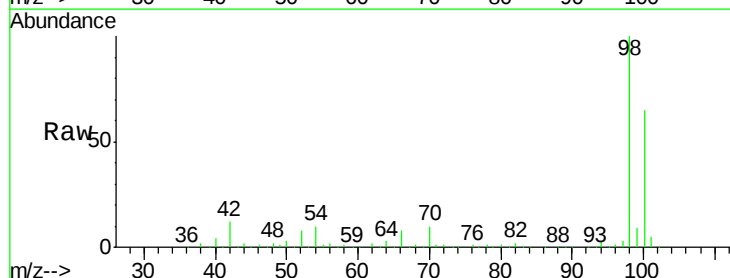
Acq: 26 Mar 2018 16:42

Tgt Ion: 98 Resp: 234690

Ion Ratio Lower Upper

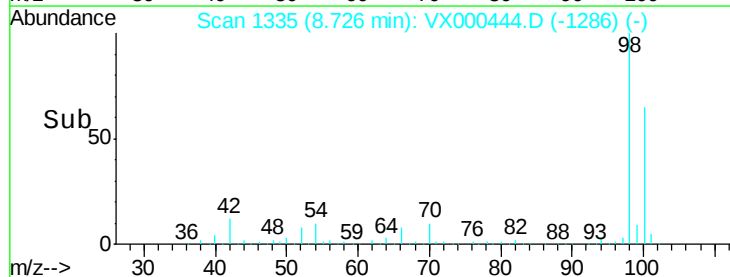
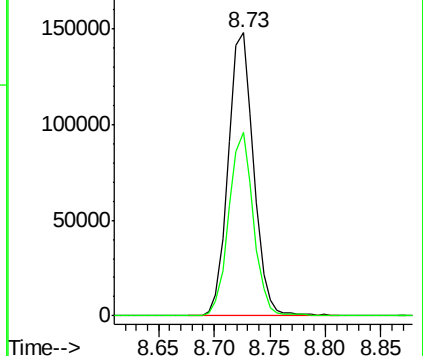
98 100

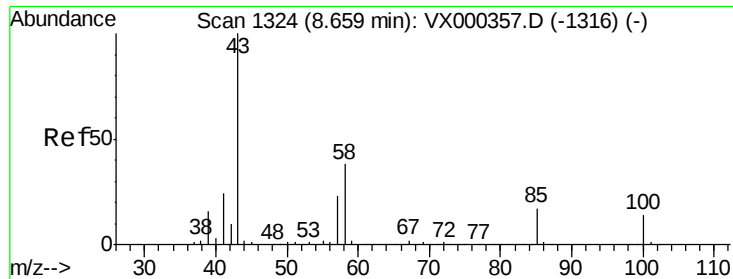
100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

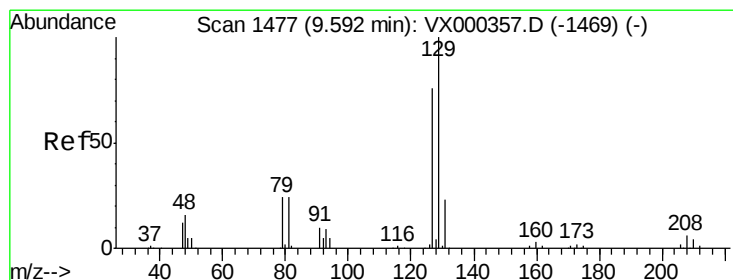
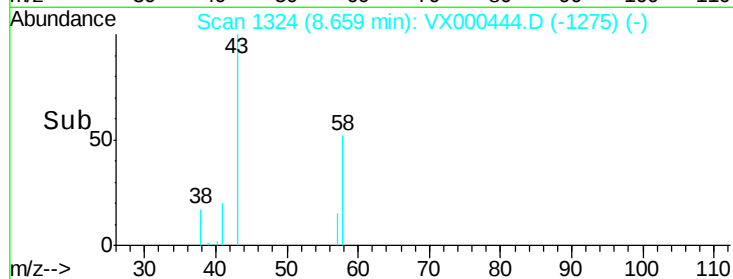
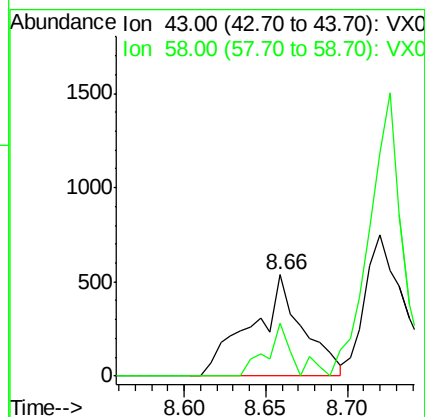
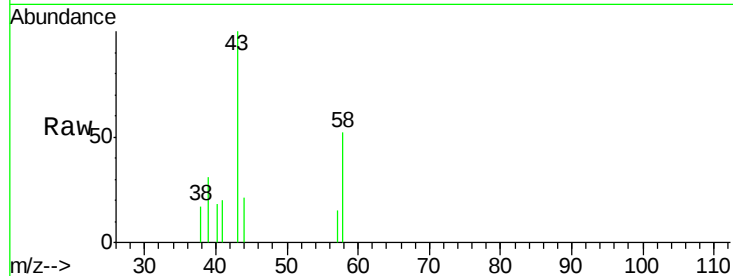




#51
4-Methyl-2-Pentanone
Concen: 0.418 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

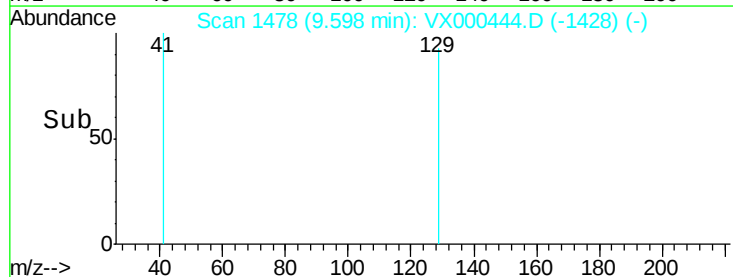
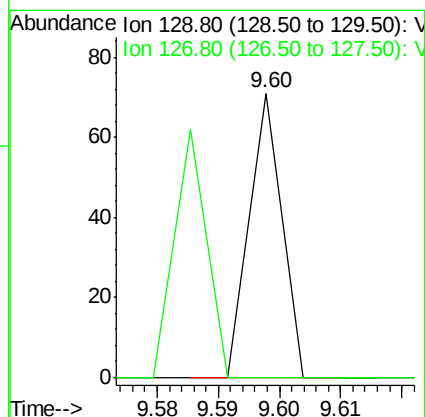
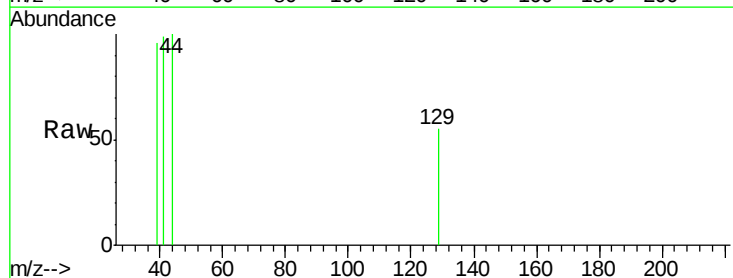
Instrument :
MSVOA_X
ClientSampled :

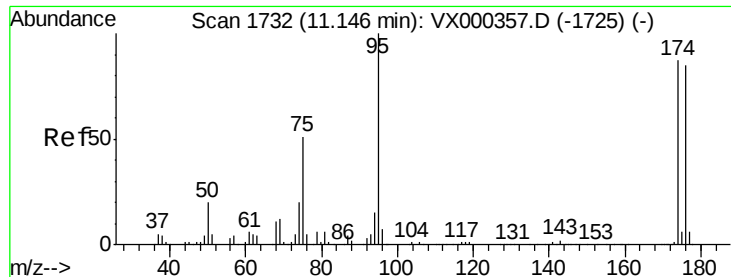
Tot Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
58 22.1 30.3 45.5#



#60
Dibromochloromethane
Concen: 4.130 ug/l
RT: 9.60 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

Tgt Ion: 129 Resp: 26
Ion Ratio Lower Upper
129 100
127 88.5 37.9 113.6

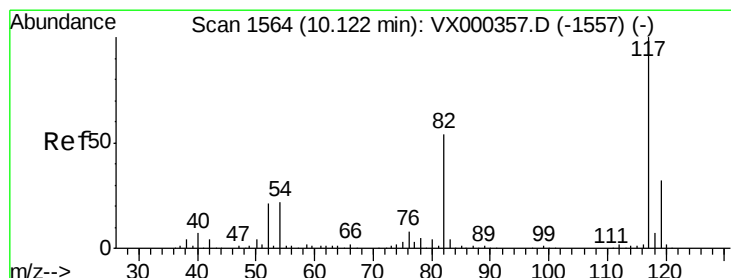
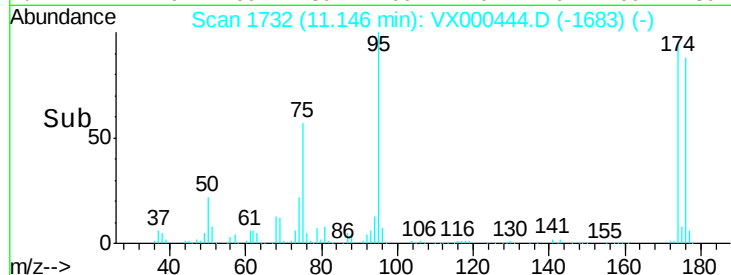
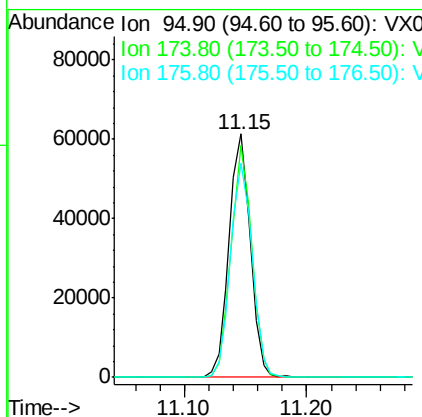
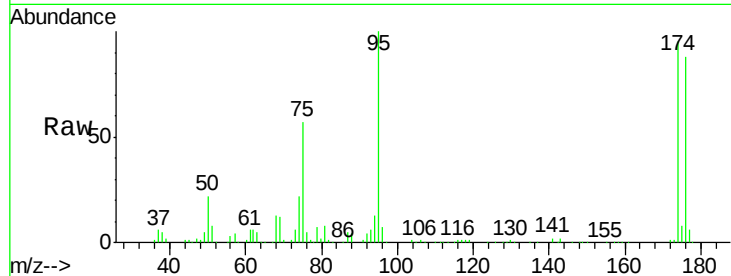




#62
4-Bromofluorobenzene
Concen: 36.899 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

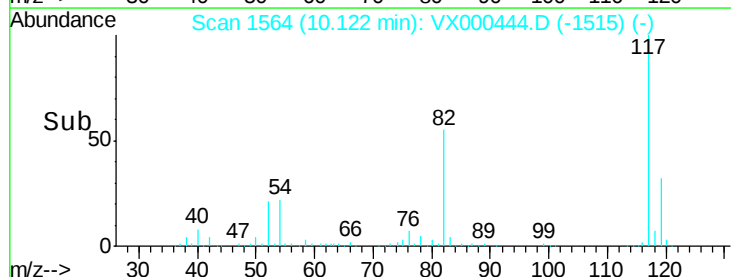
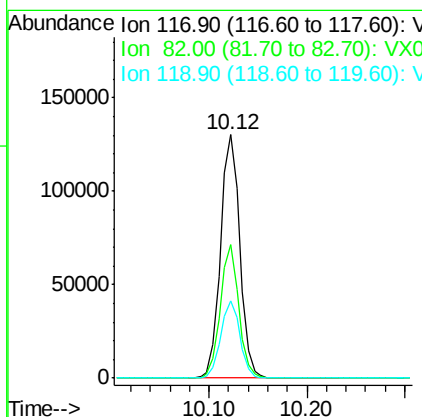
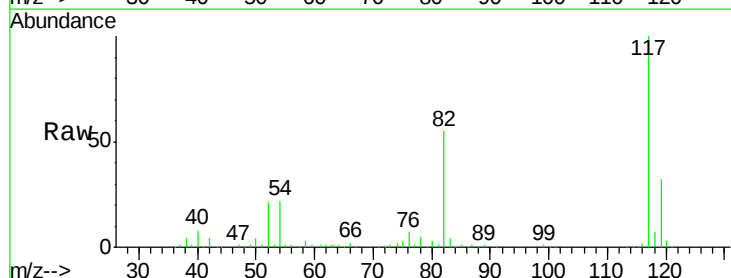
Instrument :
MSVOA_X
ClientSampleId :

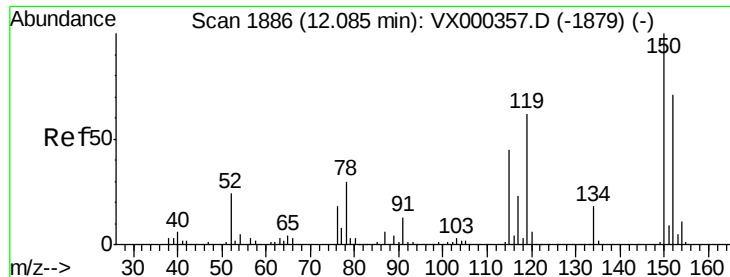
Tot Ion: 95 Resp: 73516
Ion Ratio Lower Upper
95 100
174 92.7 0.0 173.6
176 89.9 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

Tgt Ion: 117 Resp: 178275
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 31.9 24.9 37.3



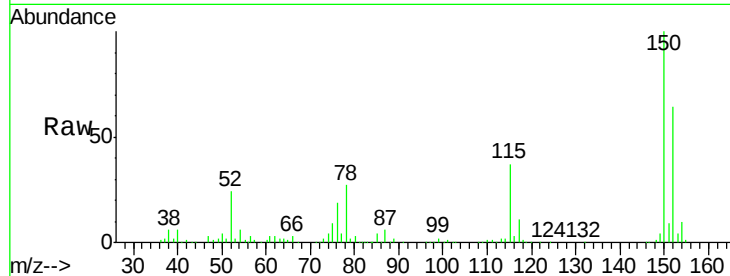


#72

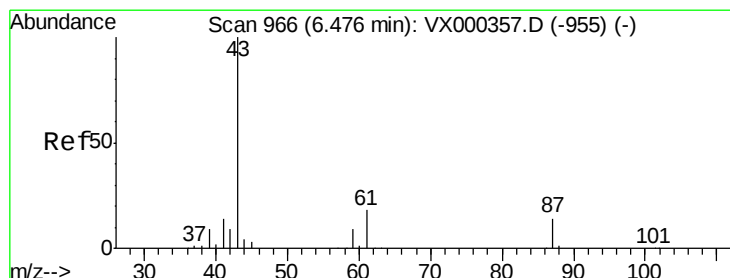
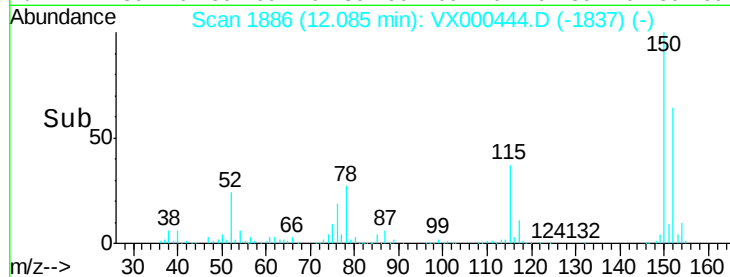
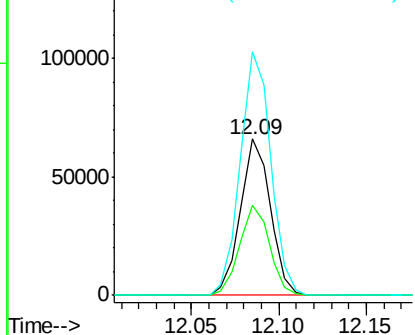
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:152 Resp: 79204
Ion Ratio Lower Upper
152 100
115 57.7 39.8 119.3
150 158.5 0.0 344.4



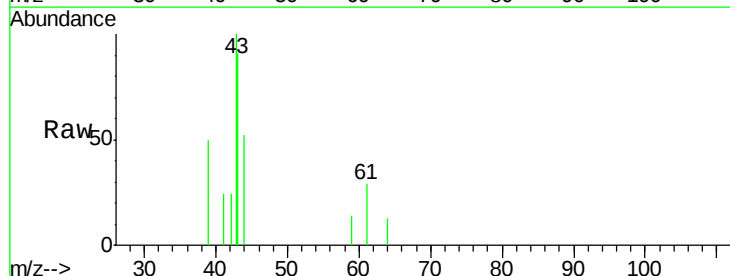
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



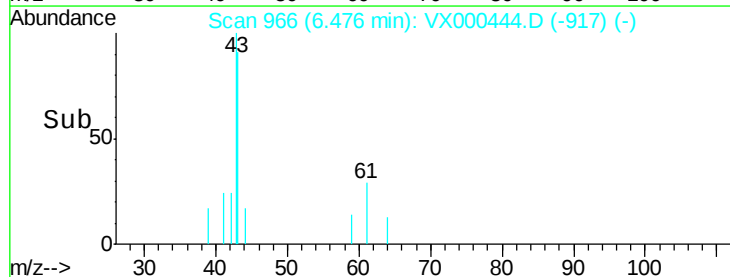
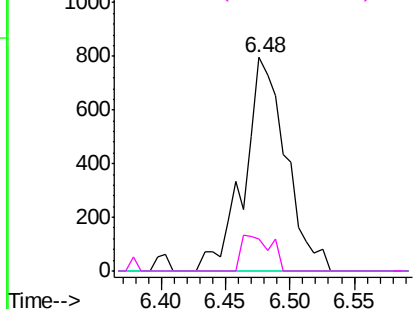
#74

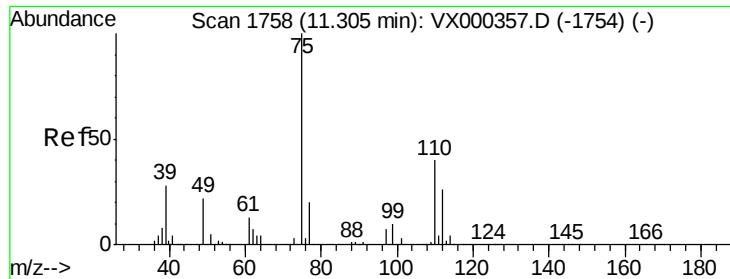
N-ethyl acetate
Concen: Below Cal
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000444.D
Acq: 26 Mar 2018 16:42

Tgt Ion: 43 Resp: 1789
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 11.9 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0

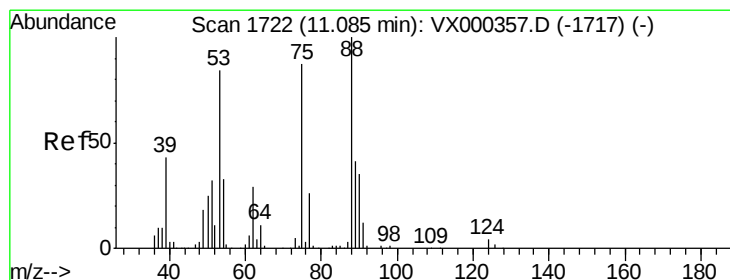
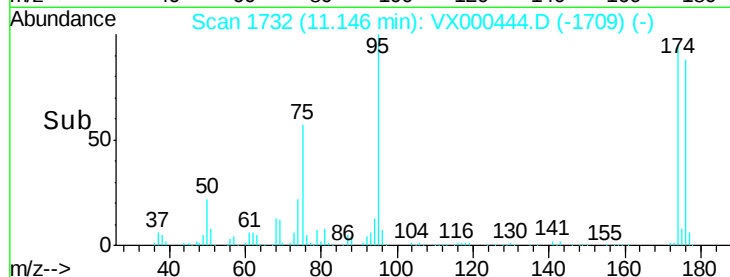
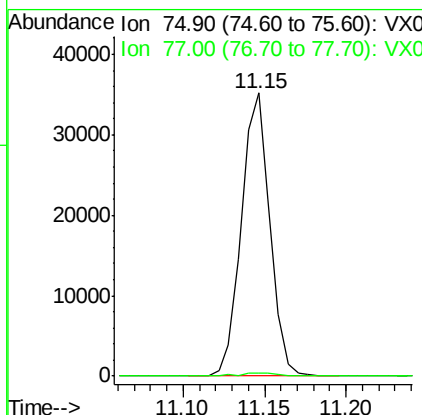
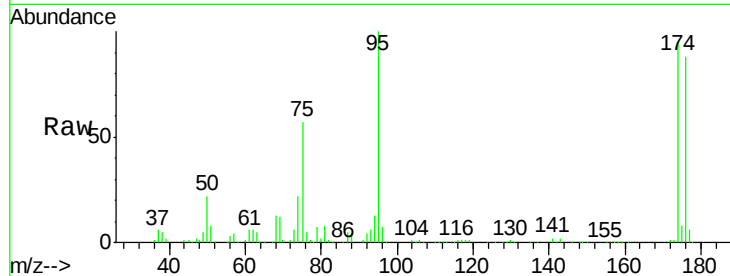




#76
 1,2,3-Trichloropropane
 Concen: 25.131 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000444.D
 Acq: 26 Mar 2018 16:42

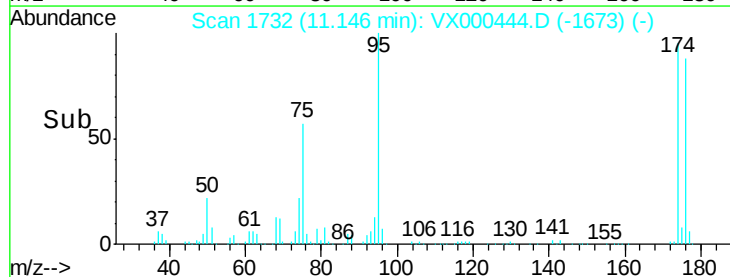
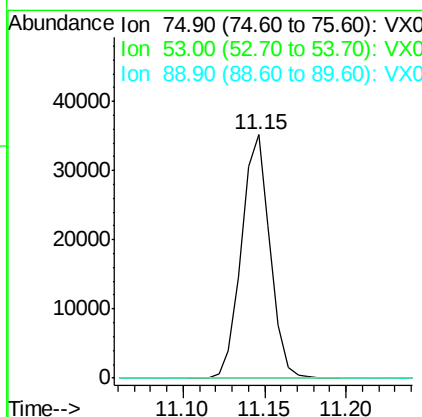
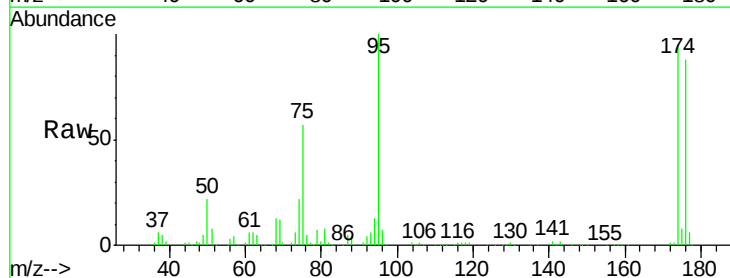
Instrument :
 MSVOA_X
 ClientSampleId :

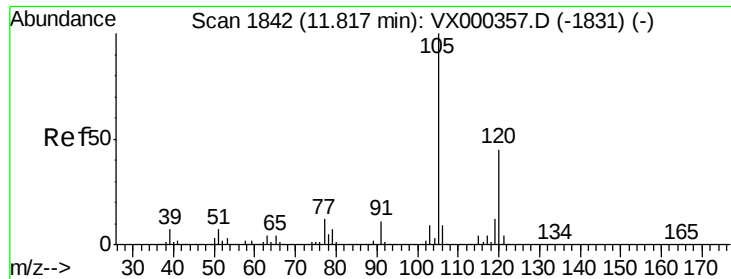
Tot Ion: 75 Resp: 42778
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.364 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000444.D
 Acq: 26 Mar 2018 16:42

Tgt Ion: 75 Resp: 42778
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.319 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

Instrument :

MSVOA_X

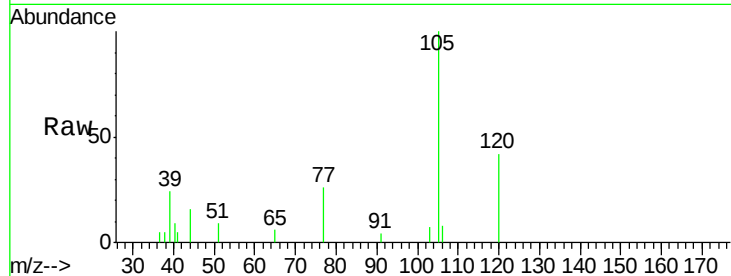
ClientSampleId :

Tot Ion:105 Resp: 1476

Ion Ratio Lower Upper

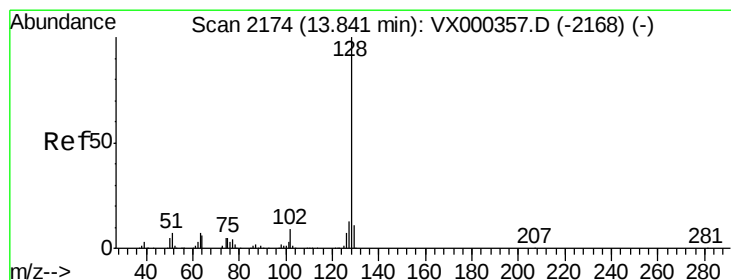
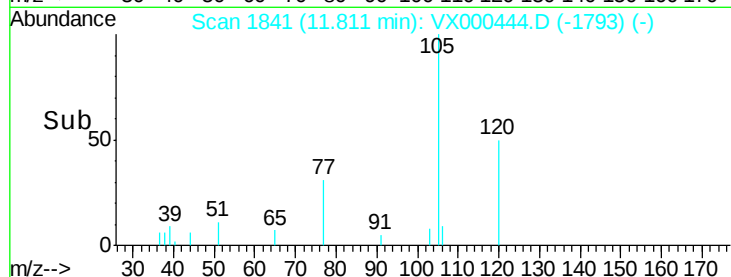
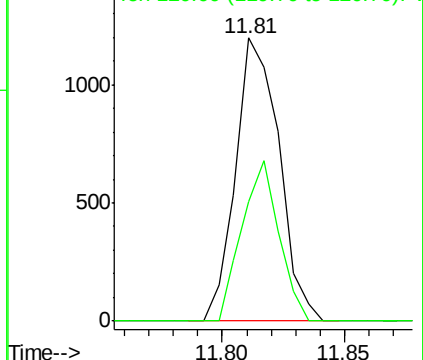
105 100

120 48.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.684 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000444.D

Acq: 26 Mar 2018 16:42

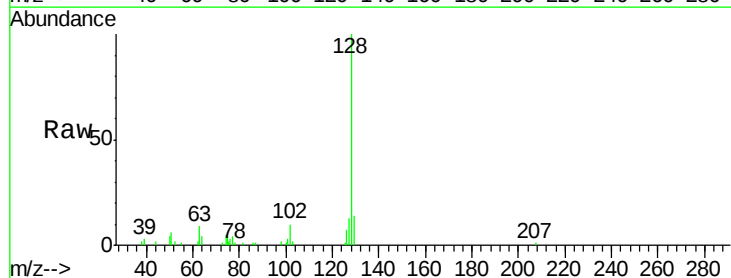
Tgt Ion:128 Resp: 10900

Ion Ratio Lower Upper

128 100

127 14.8 10.6 15.8

129 11.8 8.9 13.3



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

