

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003806.D
 Acq On : 01 Aug 2018 20:30
 Operator : JC/SP
 Sample : J4121-04RE
 Misc : 10.46G/5.0mL/MSVOA X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:57:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	50306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	70484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	59287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	24935	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	21463	42.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.38%	
35) Dibromofluoromethane	5.51	113	18738	45.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.30%	
50) Toluene-d8	8.72	98	71278	41.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.38%	
62) 4-Bromofluorobenzene	11.14	95	21067	33.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.04%	

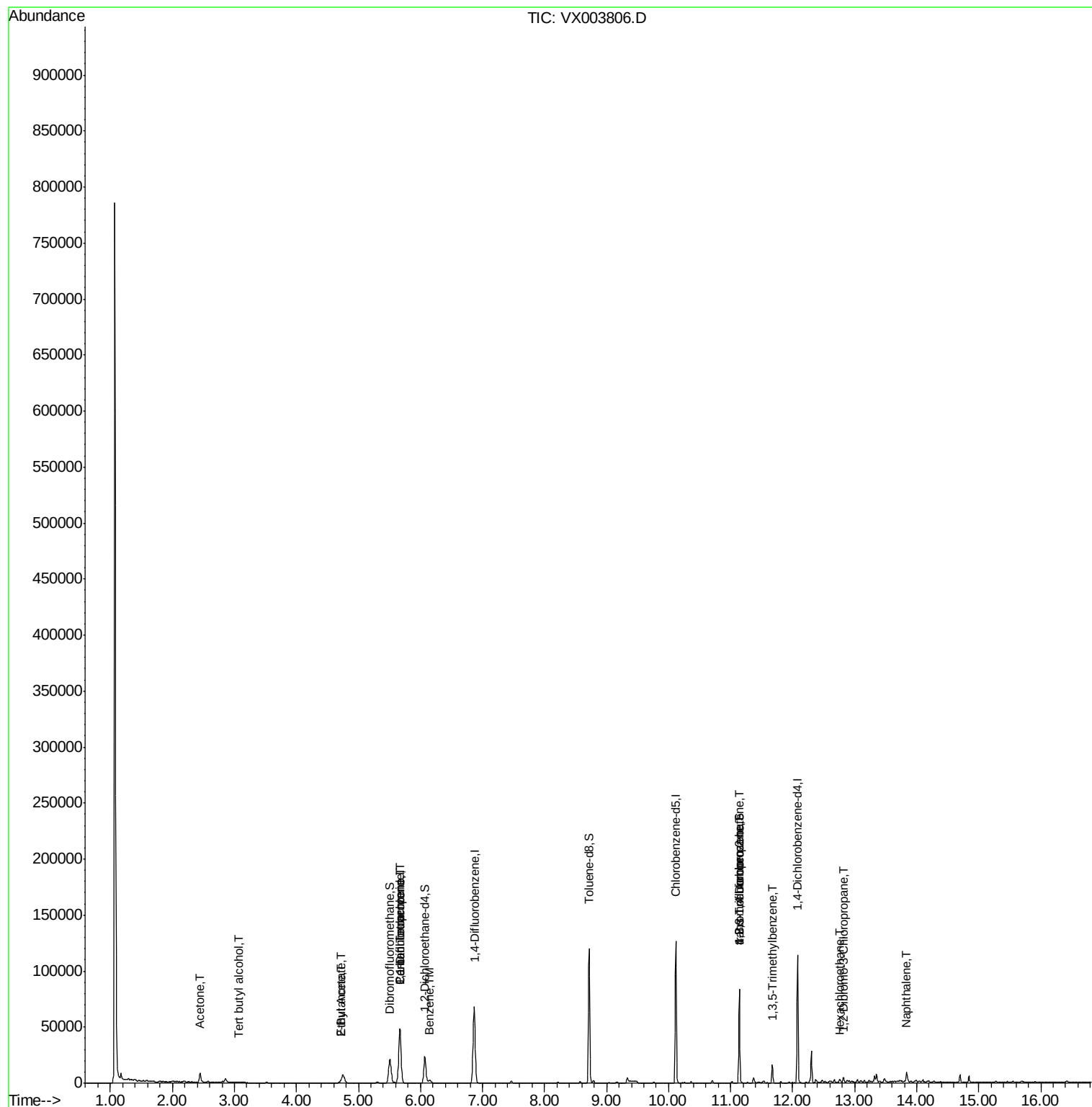
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	41	Below Cal	#	2
11) Tert butyl alcohol	3.06	59	162	1.97	ug/l #	73
16) Acetone	2.45	43	8667	44.60	ug/l	97
25) 2-Butanone	4.71	43	2666	9.41	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	3261	4.94	ug/l #	47
37) Ethyl Acetate	4.71	43	2666	5.26	ug/l #	68
38) Carbon Tetrachloride	5.67	117	4517	7.40	ug/l #	15
40) Benzene	6.15	78	3239	1.71	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	9899	28.80	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.67	105	7876	5.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	9899	85.31	ug/l #	11
90) Hexachloroethane	12.76	117	1305	5.74	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.82	75	86	1.07	ug/l #	1
95) Naphthalene	13.83	128	5861	4.51	ug/l	97

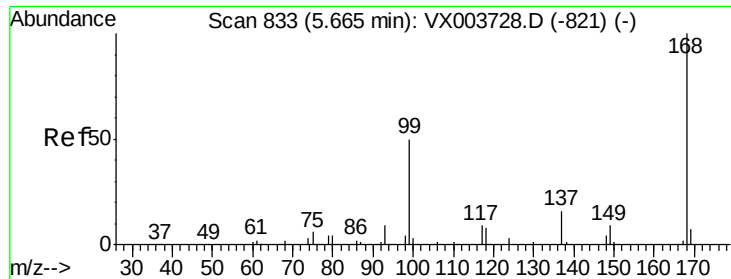
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration

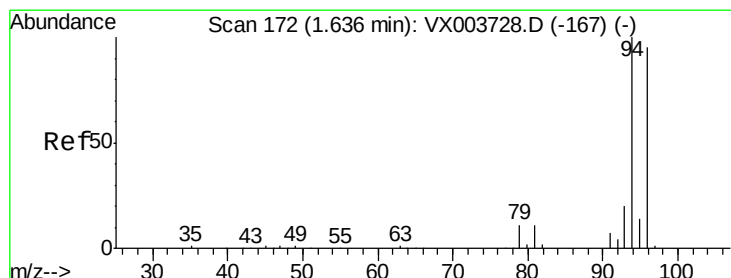
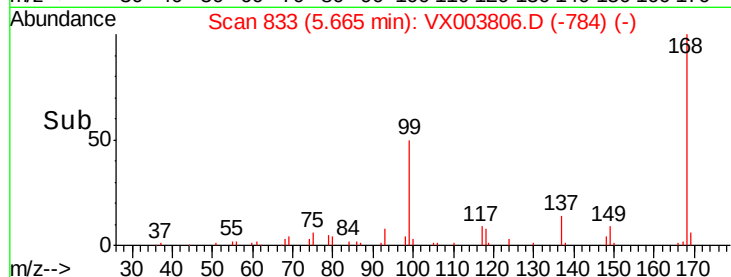
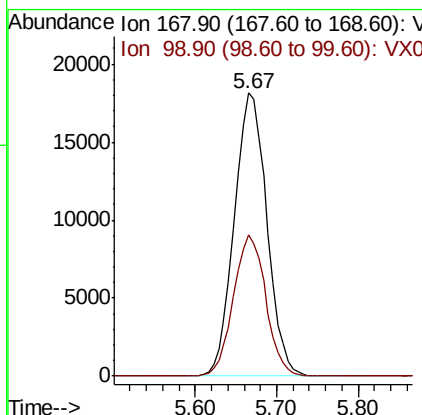
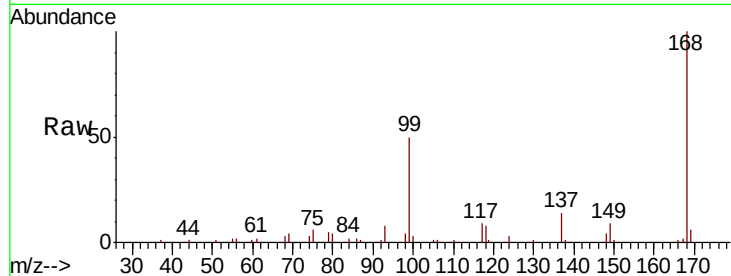




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

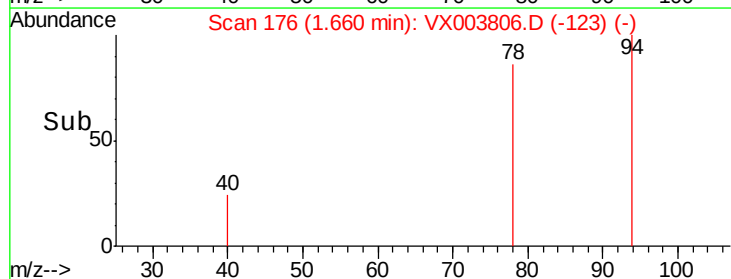
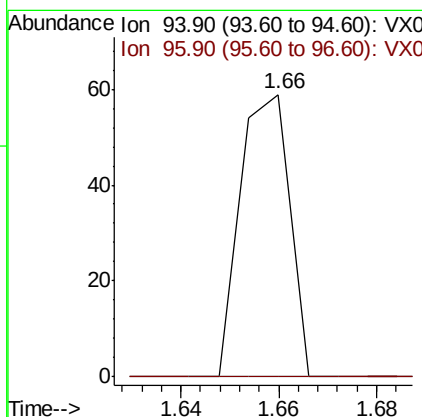
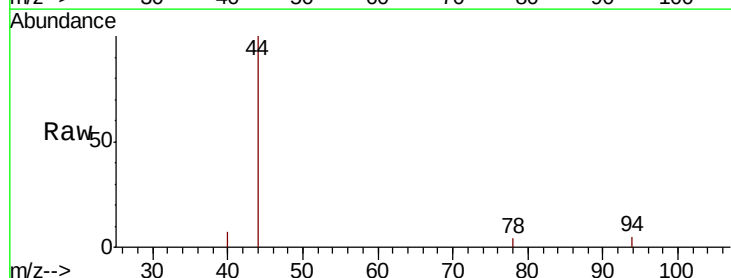
Instrument :
MSVOA_X
ClientSampleId :

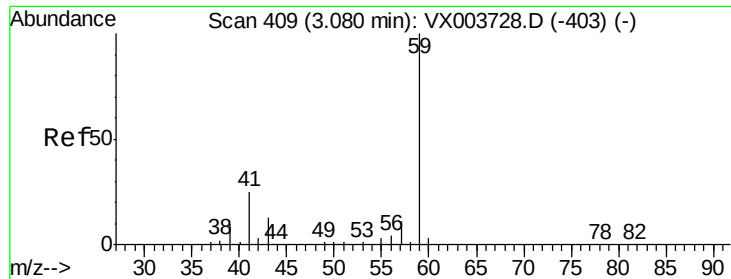
Tot Ion:168 Resp: 50306
Ion Ratio Lower Upper
168 100
99 49.9 40.2 60.2



#5
Bromomethane
Concen: Below Cal
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

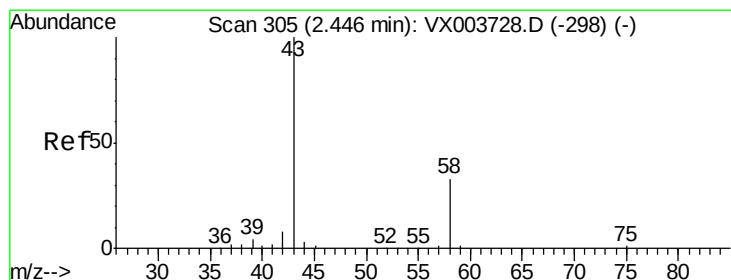
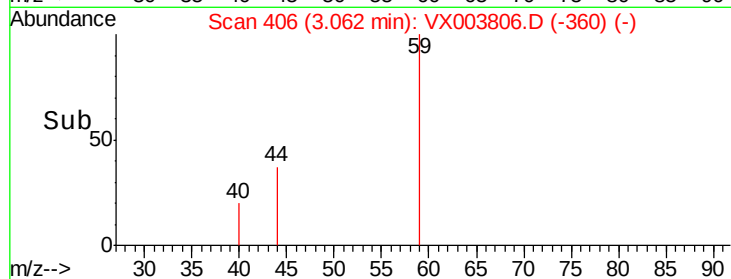
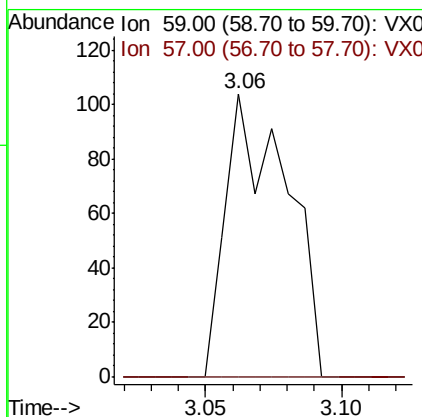
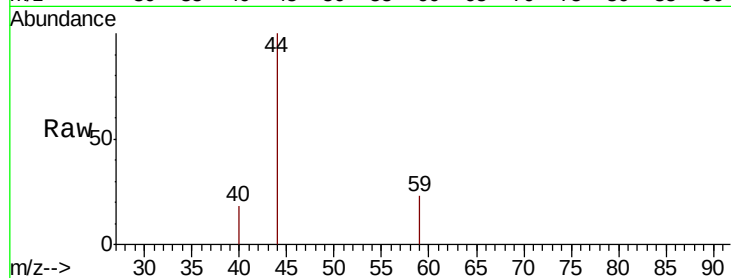




#11
 Tert butyl alcohol
 Concen: 1.97 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX003806.D
 Acq: 01 Aug 2018 20:30

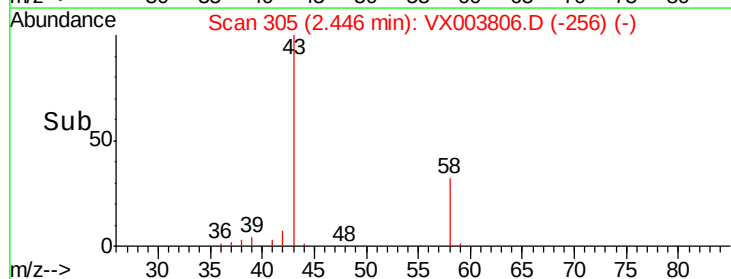
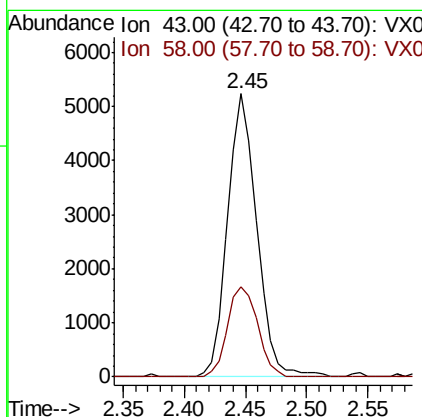
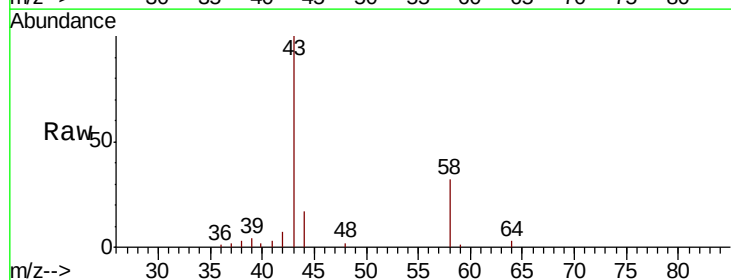
Instrument :
 MSVOA_X
 ClientSampled :

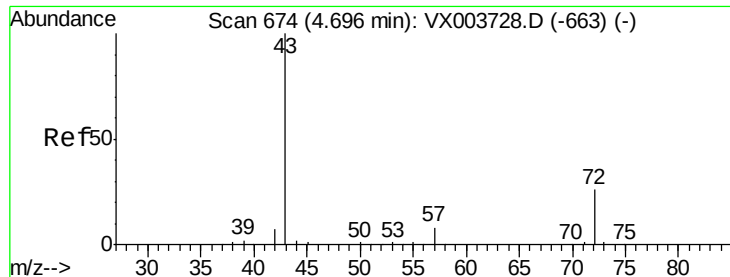
Tot Ion: 59 Resp: 162
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#



#16
 Acetone
 Concen: 44.60 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VX003806.D
 Acq: 01 Aug 2018 20:30

Tgt Ion: 43 Resp: 8667
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.7 40.1





#25

2-Butanone

Concen: 9.41 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

Instrument :

MSVOA_X

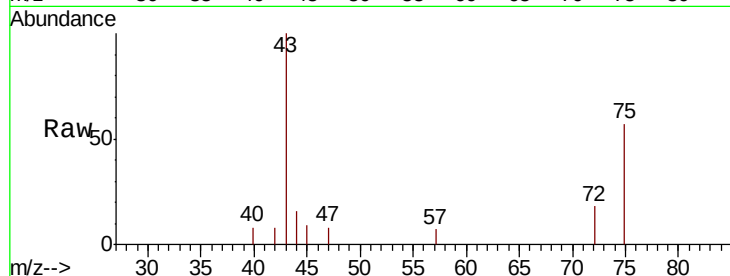
ClientSampled :

Tot Ion: 43 Resp: 2666

Ion Ratio Lower Upper

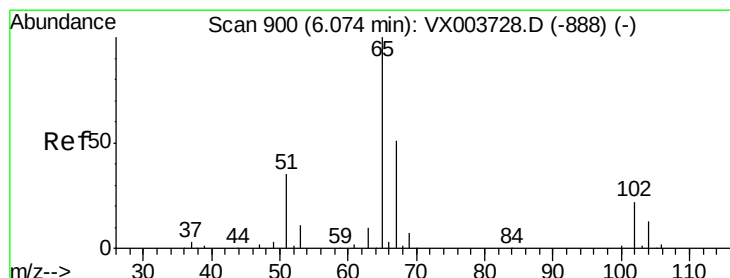
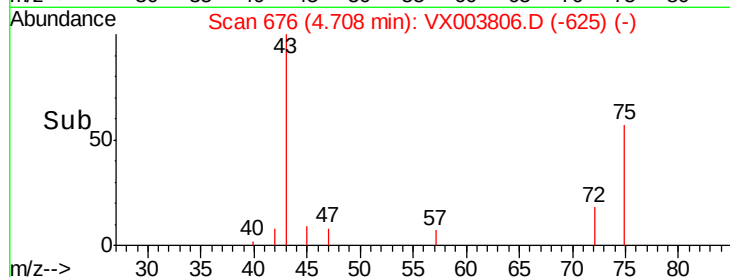
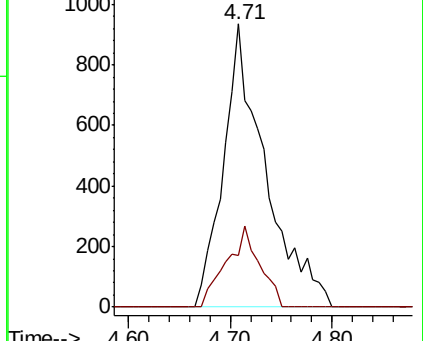
43 100

72 18.4 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 42.19 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003806.D

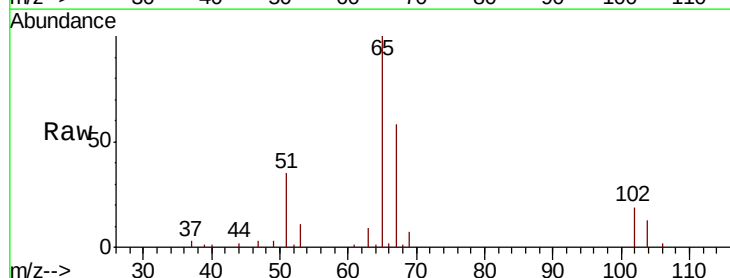
Acq: 01 Aug 2018 20:30

Tgt Ion: 65 Resp: 21463

Ion Ratio Lower Upper

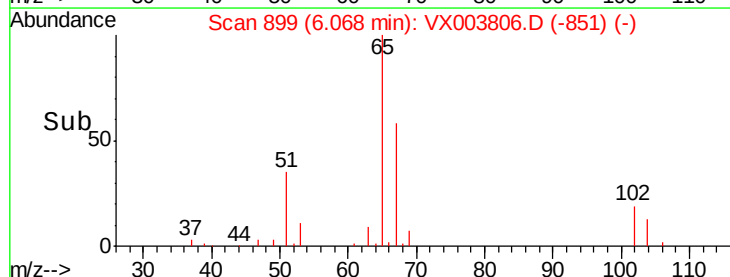
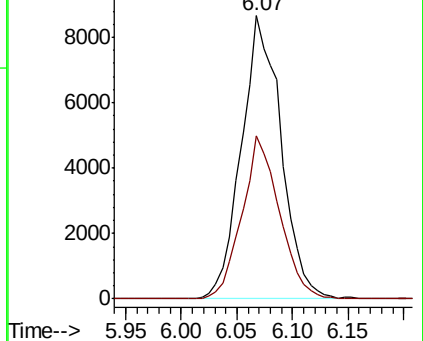
65 100

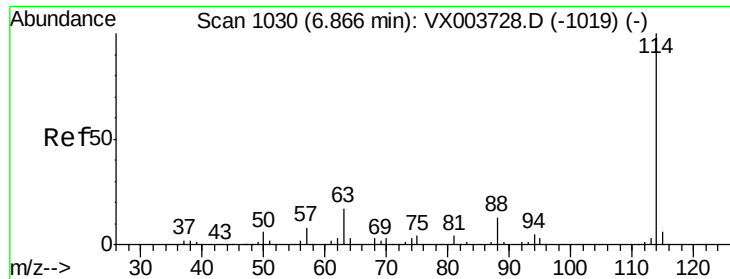
67 54.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

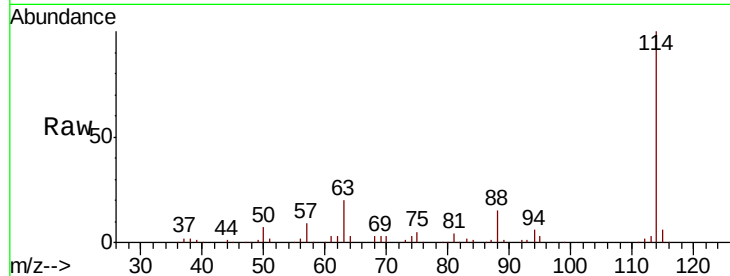
Tot Ion:114 Resp: 70484

Ion Ratio Lower Upper

114 100

63 19.7 0.0 34.0

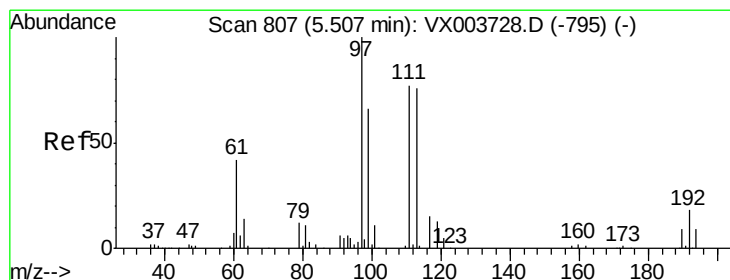
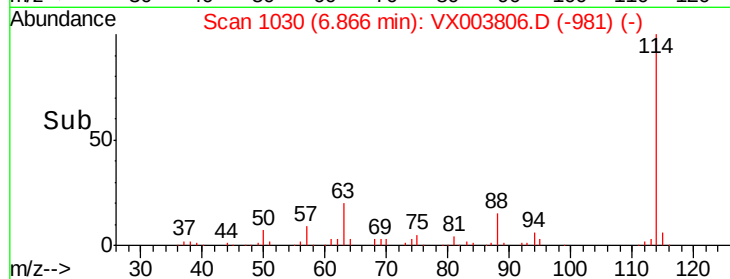
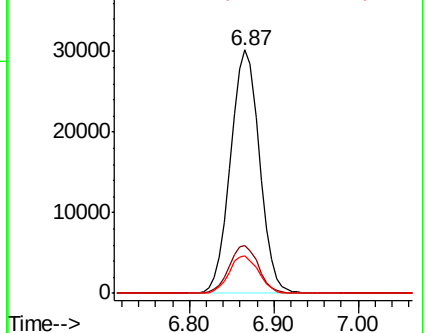
88 15.3 0.0 26.4



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: 45.15 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

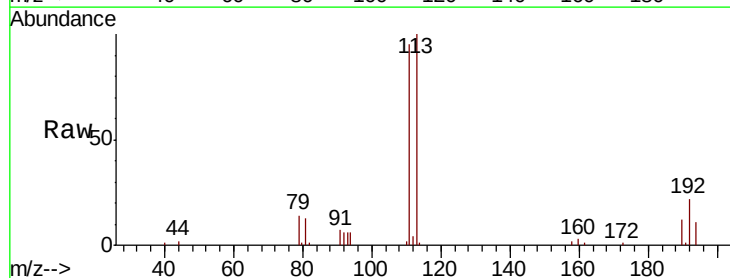
Tgt Ion:113 Resp: 18738

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

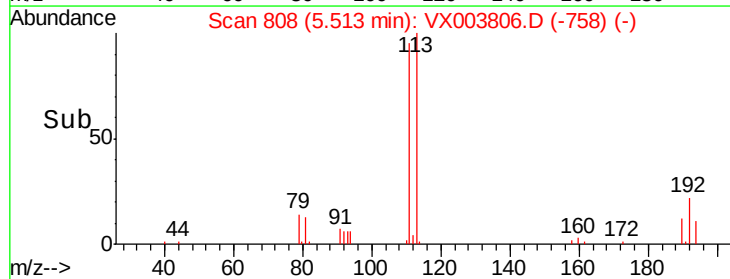
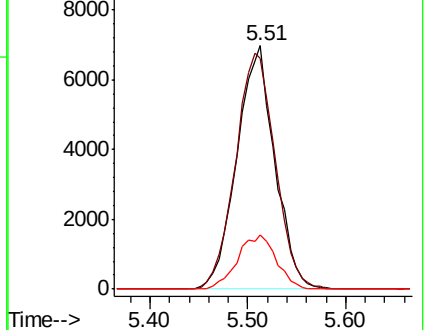
192 22.6 18.8 28.2

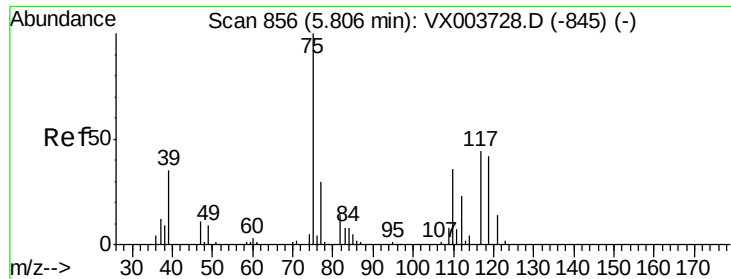


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

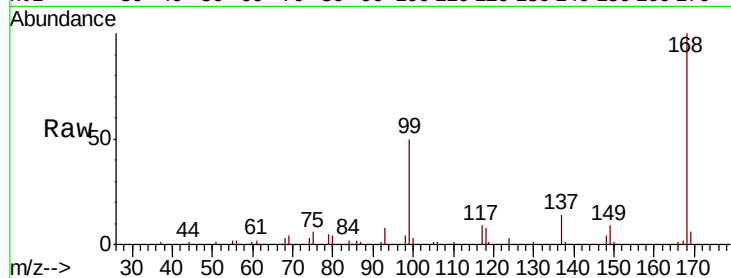




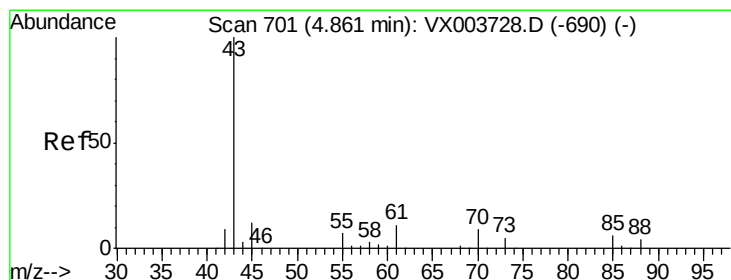
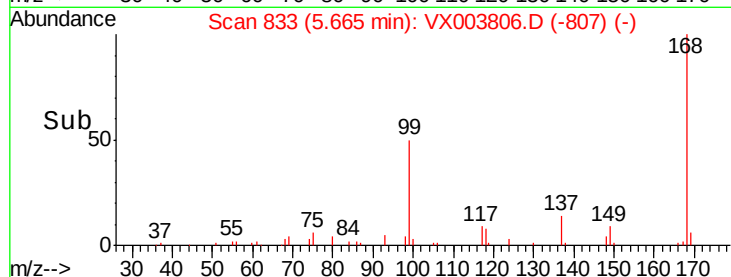
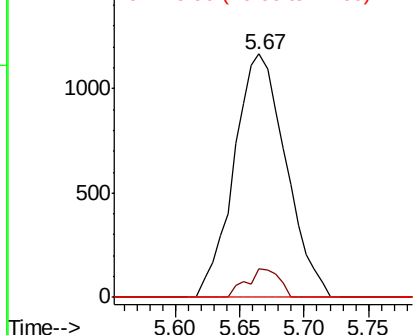
#36
 1,1-Dichloropropene
 Concen: 4.94 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX003806.D
 Acq: 01 Aug 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 3261
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.3 54.8#
 77 0.0 25.1 37.7#

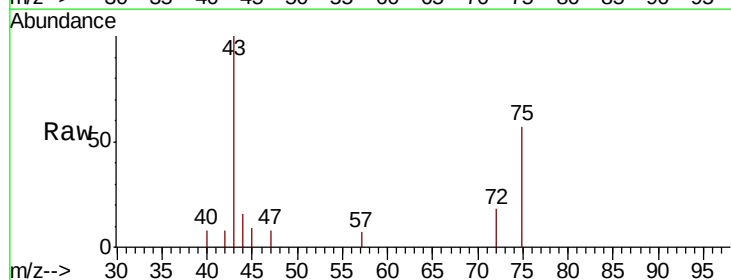


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

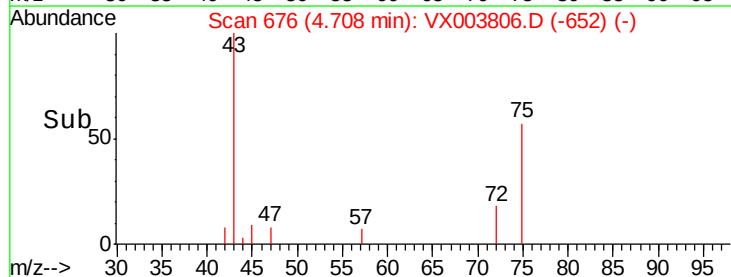
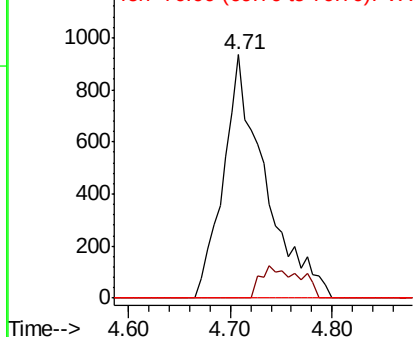


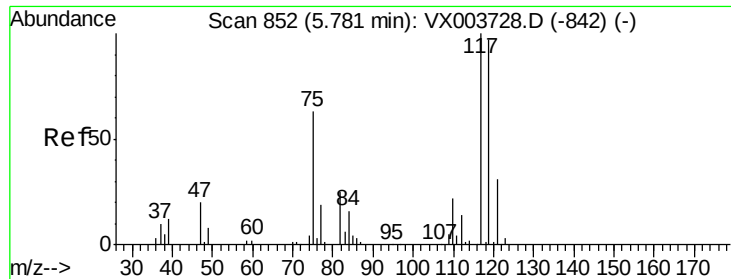
#37
 Ethyl Acetate
 Concen: 5.26 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003806.D
 Acq: 01 Aug 2018 20:30

Tgt Ion: 43 Resp: 2666
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 8.2 12.2#



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

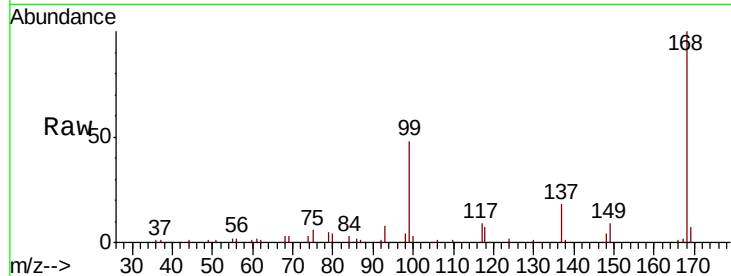




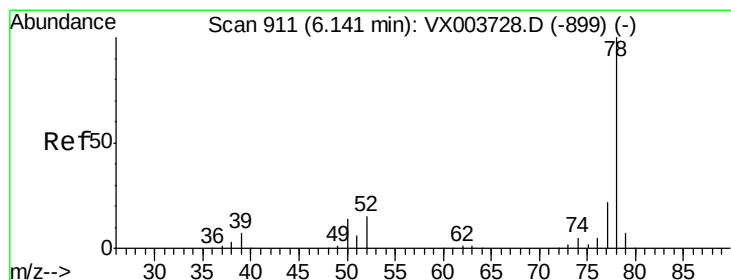
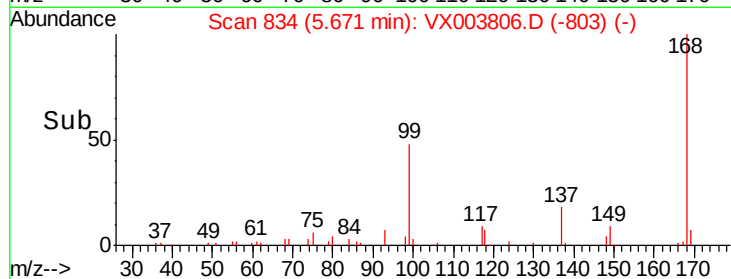
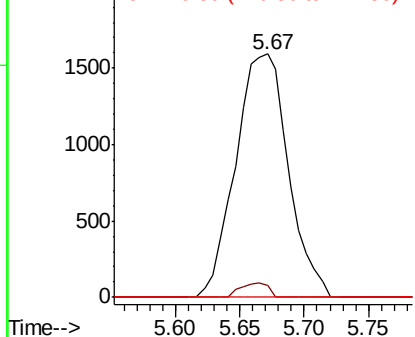
#38
Carbon Tetrachloride
Concen: 7.40 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 4517
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.0 37.4#

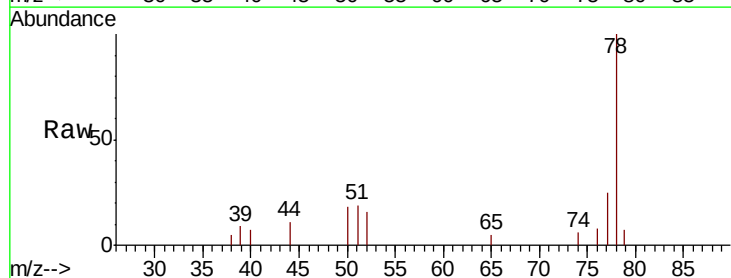


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

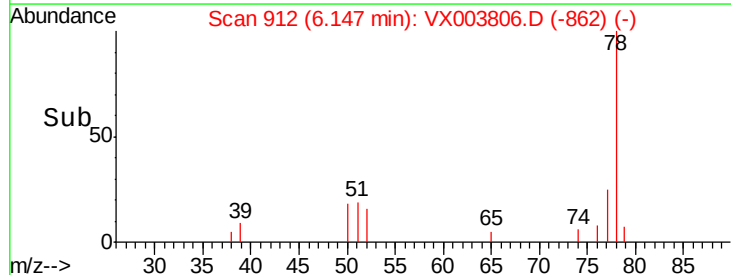
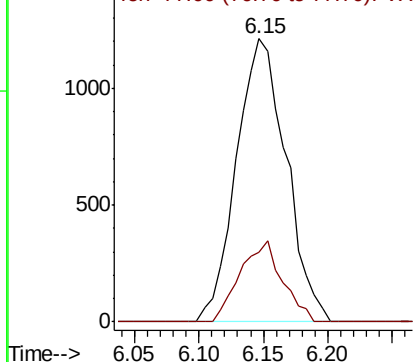


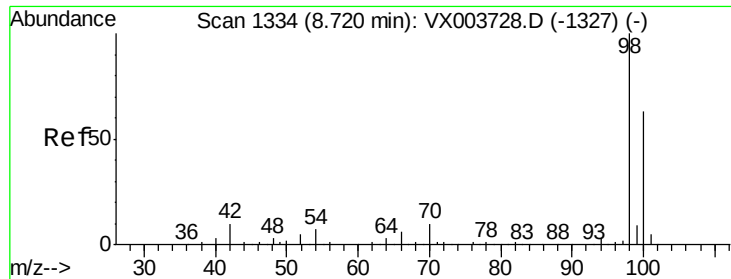
#40
Benzene
Concen: 1.71 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

Tgt Ion: 78 Resp: 3239
Ion Ratio Lower Upper
78 100
77 24.6 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

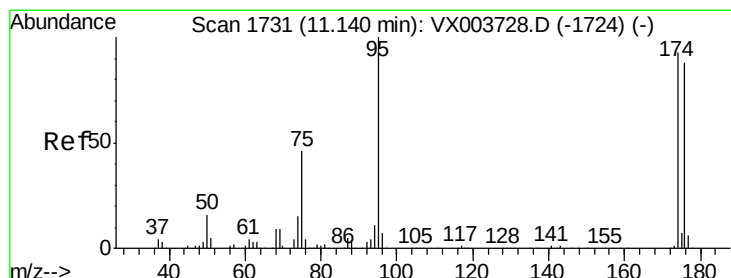
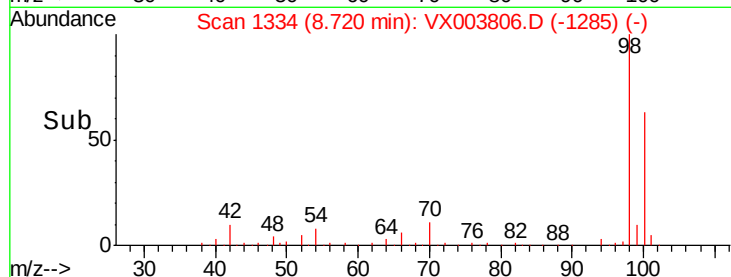
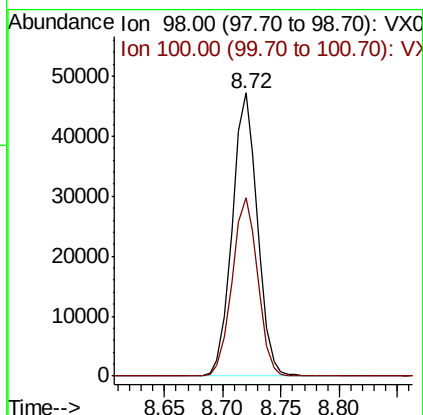
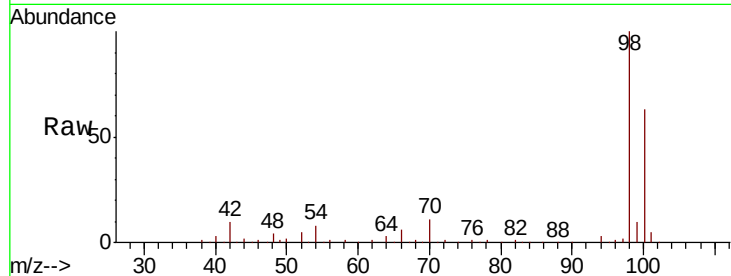




#50
Toluene-d8
Concen: 41.19 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

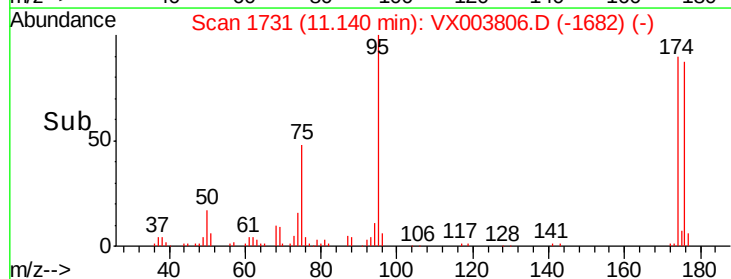
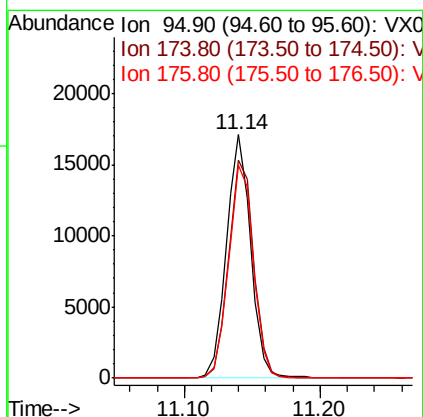
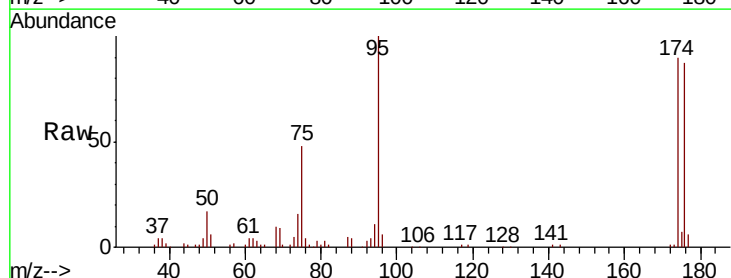
Instrument :
MSVOA_X
ClientSampleId :

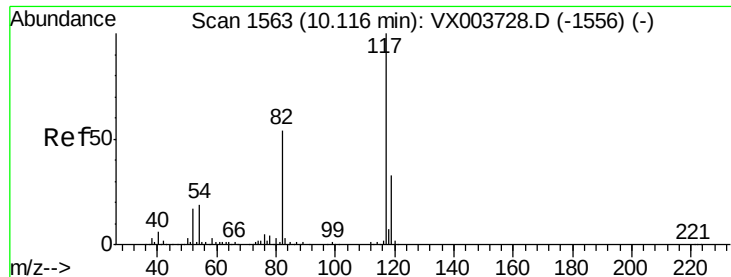
Tot Ion: 98 Resp: 71278
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 33.02 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

Tgt Ion: 95 Resp: 21067
Ion Ratio Lower Upper
95 100
174 93.2 0.0 186.2
176 89.8 0.0 179.2

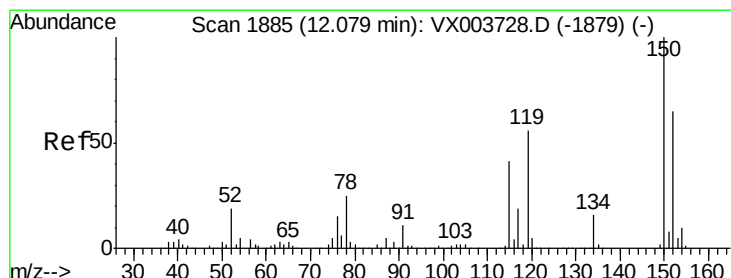
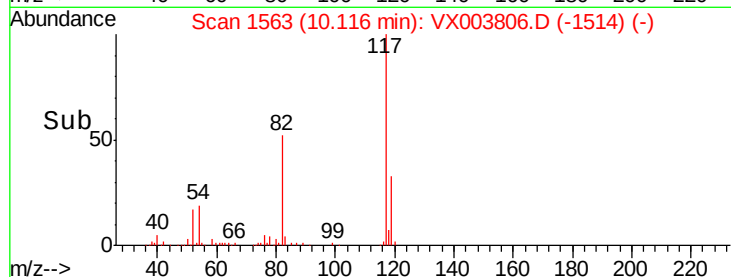
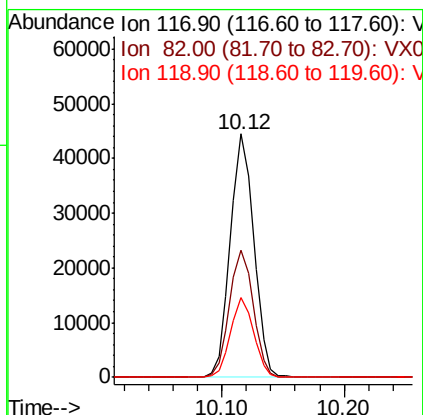
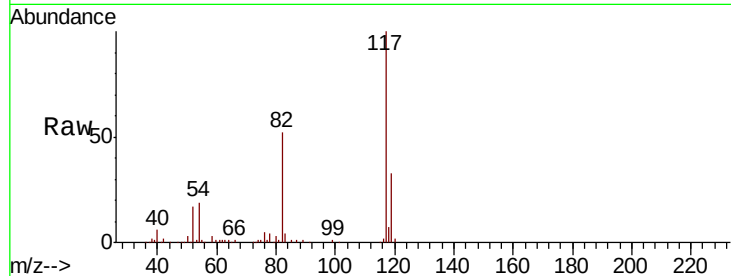




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

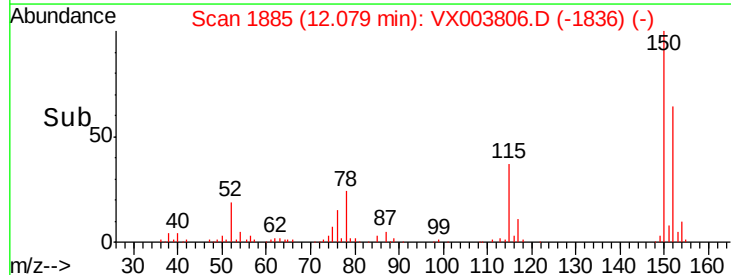
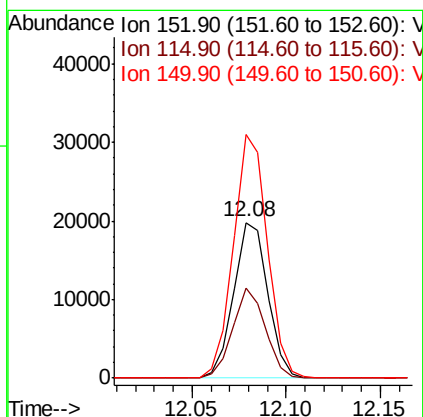
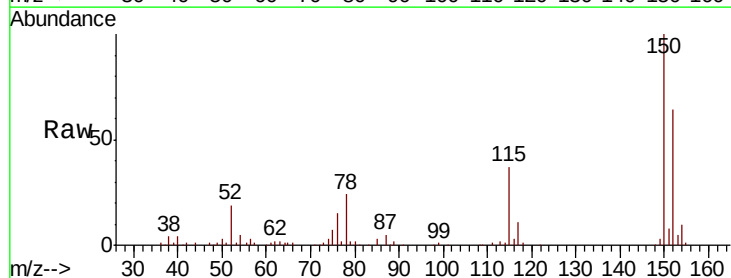
Instrument :
MSVOA_X
ClientSampled :

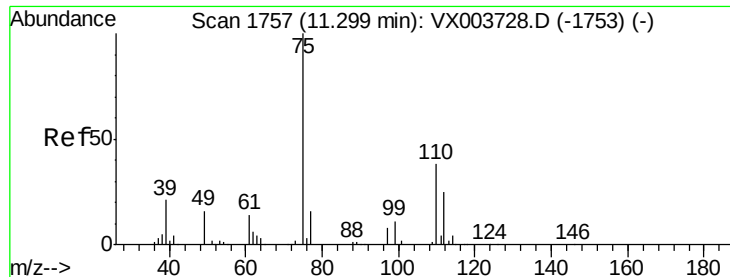
Tot Ion:117 Resp: 59287
Ion Ratio Lower Upper
117 100
82 52.2 43.2 64.8
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003806.D
Acq: 01 Aug 2018 20:30

Tgt Ion:152 Resp: 24935
Ion Ratio Lower Upper
152 100
115 55.3 38.5 115.3
150 155.4 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 28.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

Instrument :

MSVOA_X

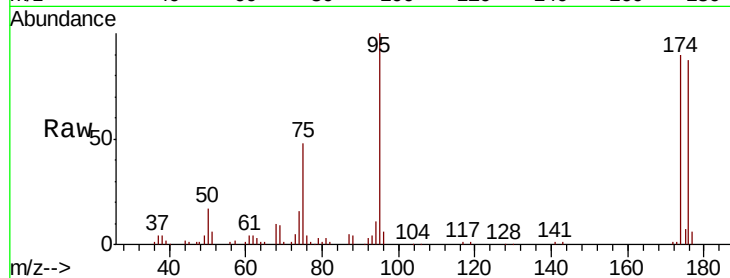
ClientSampleId :

Tot Ion: 75 Resp: 9899

Ion Ratio Lower Upper

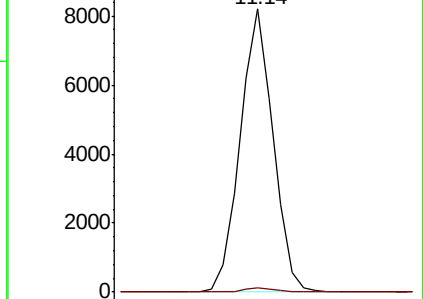
75 100

77 1.4 21.6 65.0#

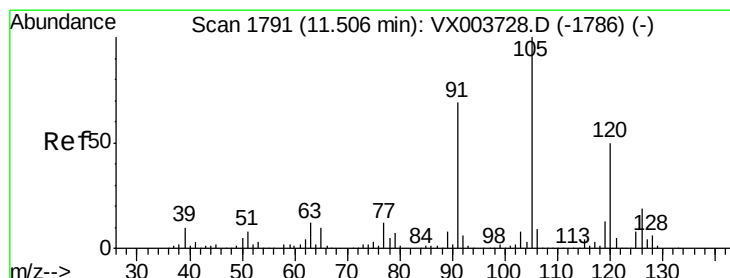
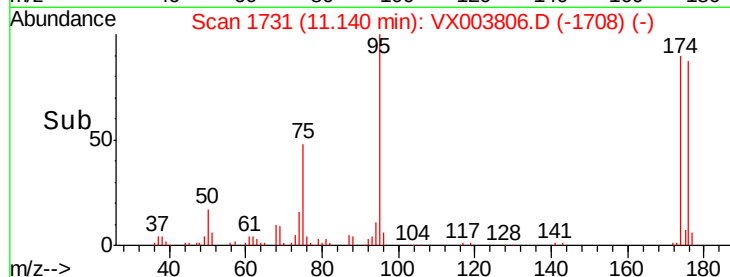


Abundance Ion 74.90 (74.60 to 75.60): VX003728.D (-1753) (-)

Ion 77.00 (76.70 to 77.70): VX003728.D (-1753) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.91 ug/l

RT: 11.67 min Scan# 1818

Delta R.T. 0.16 min

Lab File: VX003806.D

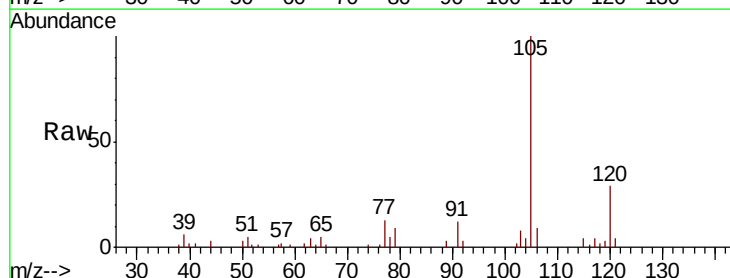
Acq: 01 Aug 2018 20:30

Tgt Ion: 105 Resp: 7876

Ion Ratio Lower Upper

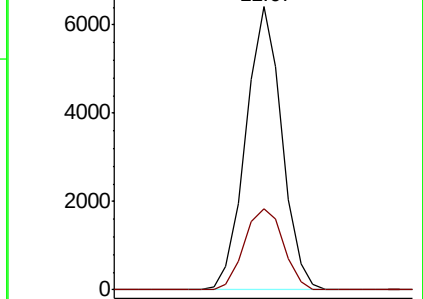
105 100

120 31.1 15.8 47.4

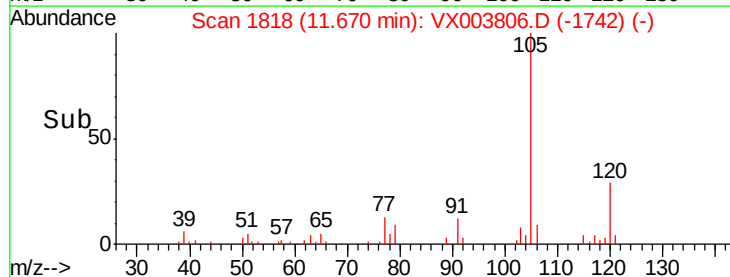


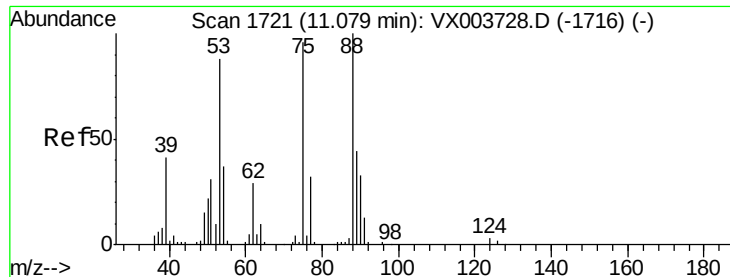
Abundance Ion 105.00 (104.70 to 105.70): VX003728.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003728.D (-1786) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 85.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

Instrument :

MSVOA_X

ClientSampled :

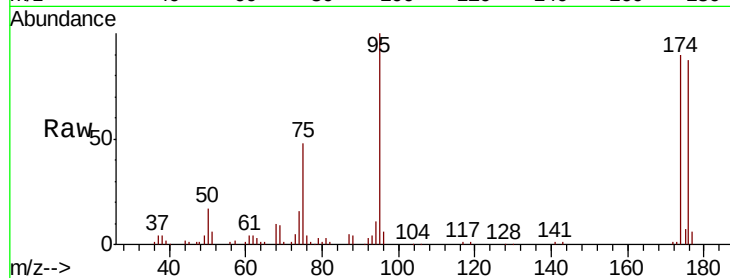
Tot Ion: 75 Resp: 9899

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

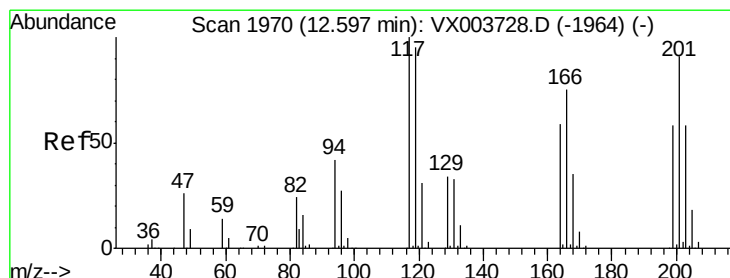
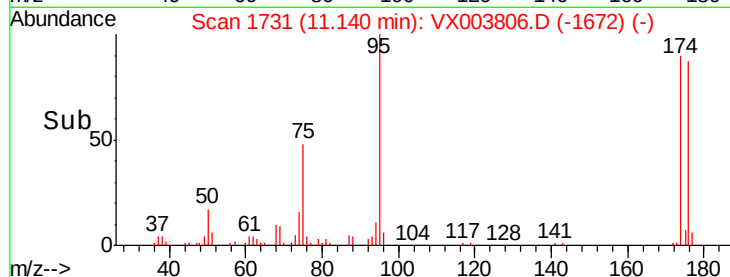
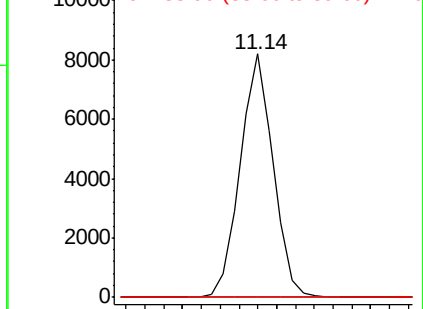
89 0.0 39.1 58.7#



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



#90

Hexachloroethane

Concen: 5.74 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX003806.D

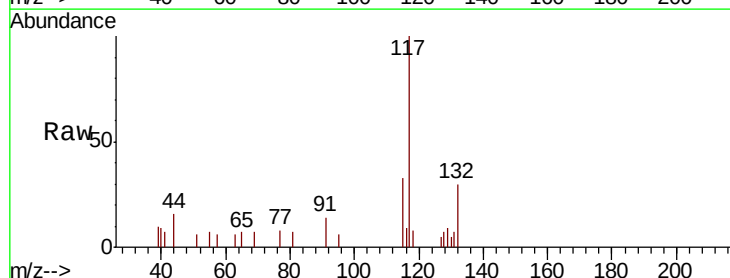
Acq: 01 Aug 2018 20:30

Tgt Ion: 117 Resp: 1305

Ion Ratio Lower Upper

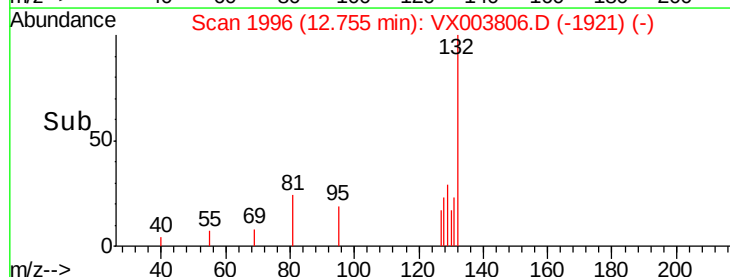
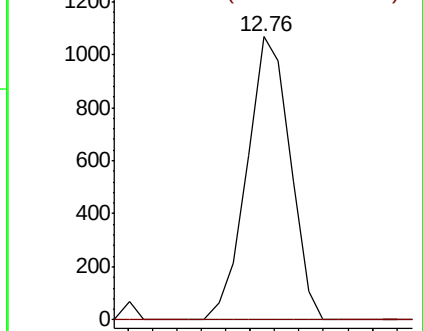
117 100

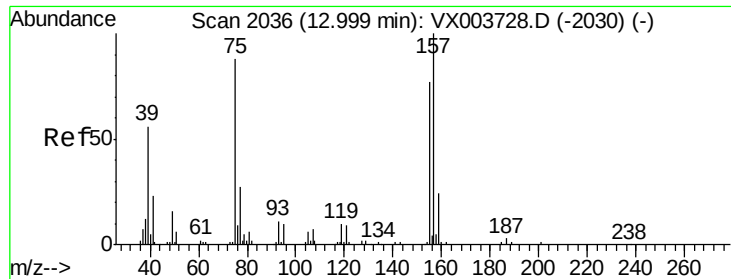
201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.07 ug/l

RT: 12.82 min Scan# 2006

Delta R.T. -0.18 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

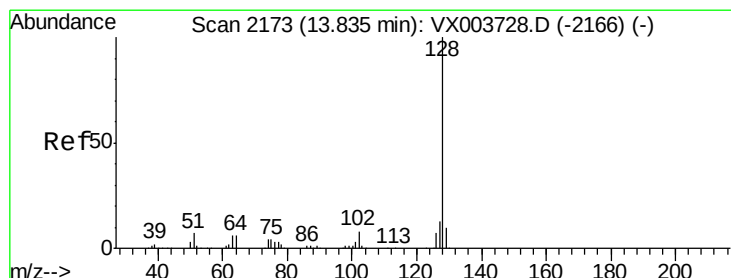
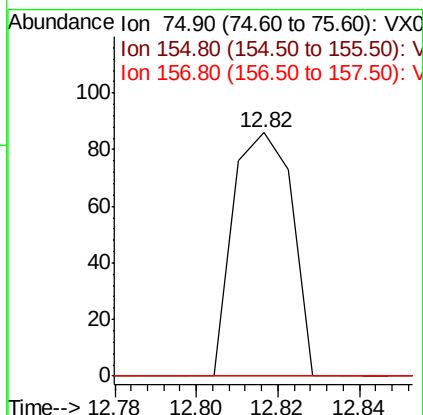
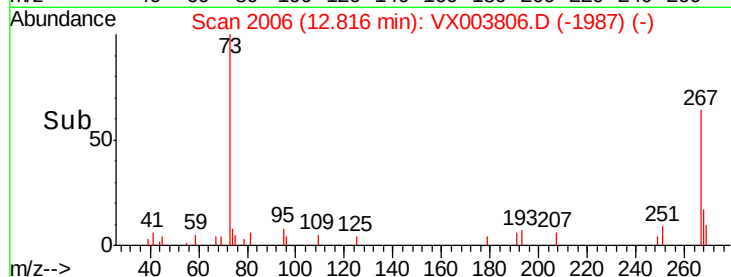
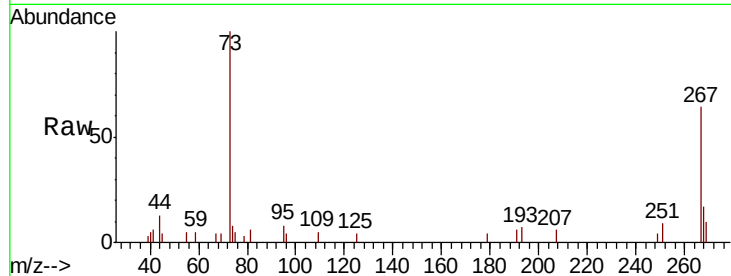
Tot Ion: 75 Resp: 86

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

157 0.0 63.7 191.1#



#95

Naphthalene

Concen: 4.51 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003806.D

Acq: 01 Aug 2018 20:30

Tgt Ion: 128 Resp: 5861

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.2

129 12.3 8.7 13.1

