

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080118\
 Data File : VX003800.D
 Acq On : 01 Aug 2018 17:58
 Operator : JC/SP
 Sample : J4143-07RE
 Misc : 10.36G/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 05:56:00 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	81426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	118307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	82947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	24746	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	37708	45.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.58%	
35) Dibromofluoromethane	5.51	113	30741	44.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.26%	
50) Toluene-d8	8.72	98	105846	36.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.88%	
62) 4-Bromofluorobenzene	11.14	95	24757	23.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	46.24%	

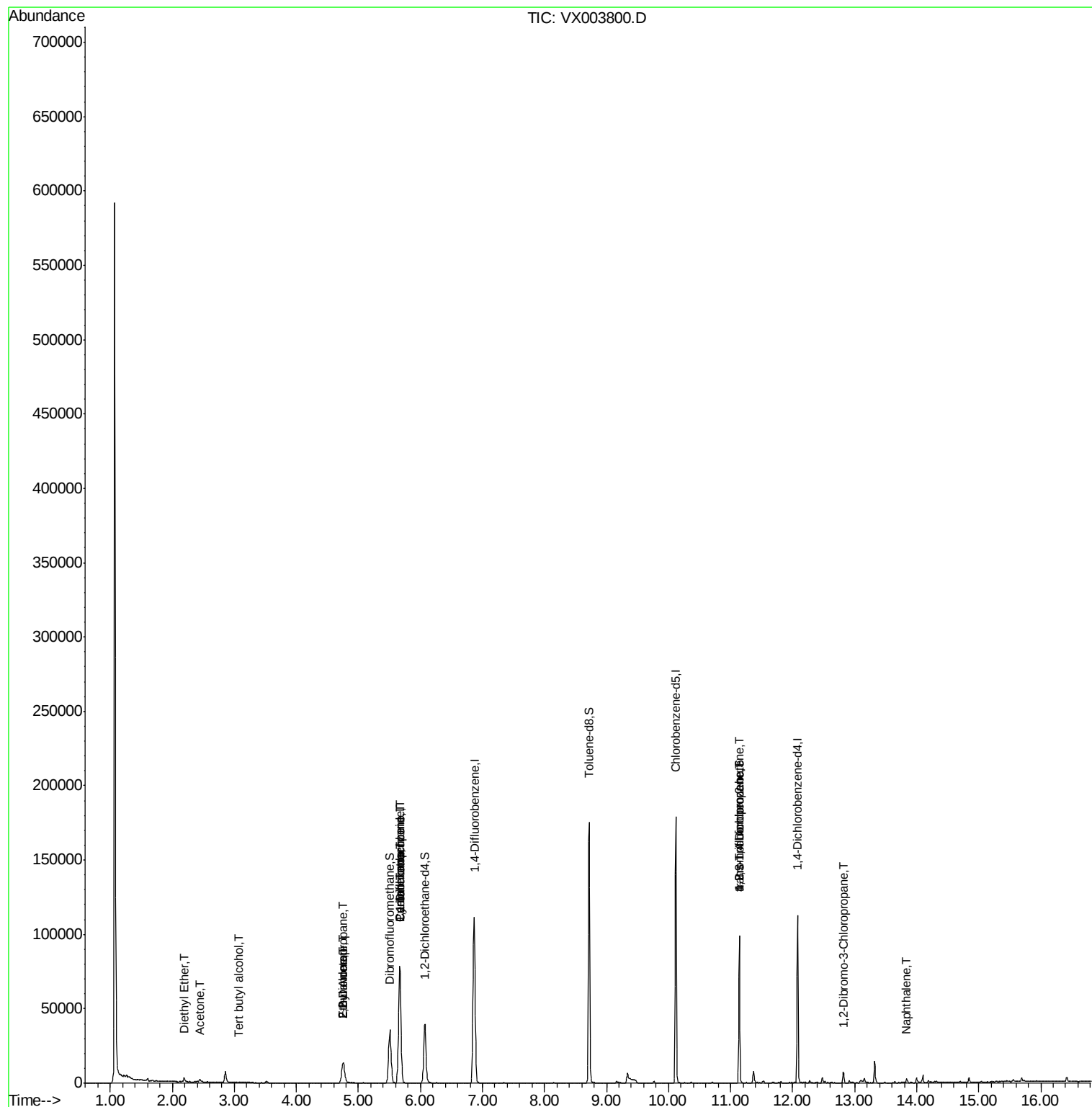
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	74	Below Cal	#	67
8) Diethyl Ether	2.19	74	828	1.80	ug/l	77
11) Tert butyl alcohol	3.07	59	316	2.37	ug/l	# 73
16) Acetone	2.45	43	1478	4.70	ug/l	# 86
25) 2-Butanone	4.76	43	957	2.09	ug/l	# 49
26) 2,2-Dichloropropane	4.75	77	1099	1.03	ug/l	# 51
31) Cyclohexane	5.66	56	1390	1.06	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	5419	4.89	ug/l	# 48
37) Ethyl Acetate	4.76	43	957	1.12	ug/l	# 1
38) Carbon Tetrachloride	5.67	117	7096	6.92	ug/l	# 17
76) 1,2,3-Trichloropropane	11.14	75	11565	33.91	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.14	75	11565	100.43	ug/l	# 11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	152	1.90	ug/l	# 1
95) Naphthalene	13.83	128	1927	1.49	ug/l	98

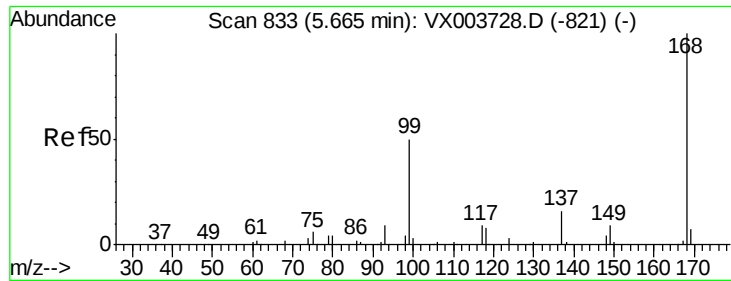
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX003800.D

Acq: 01 Aug 2018 17:58

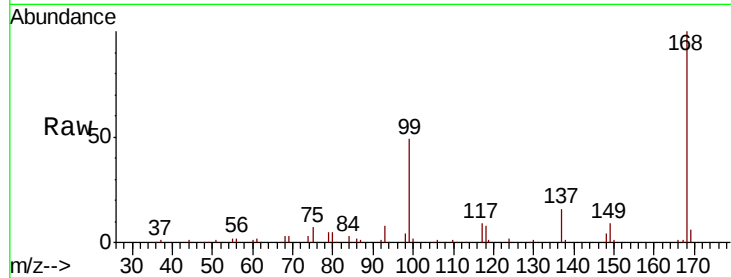
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 81426

Ion Ratio Lower Upper

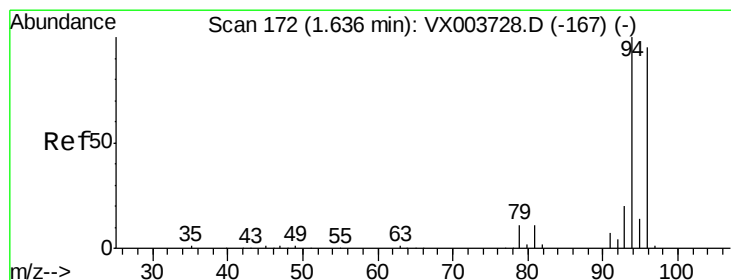
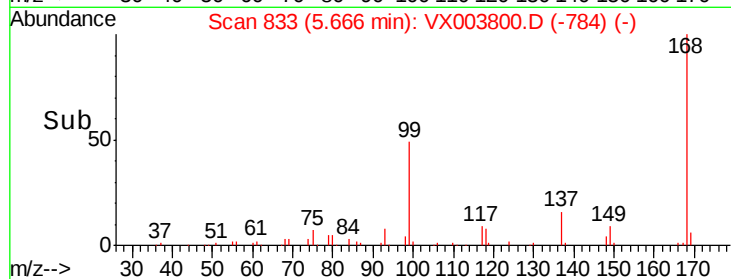
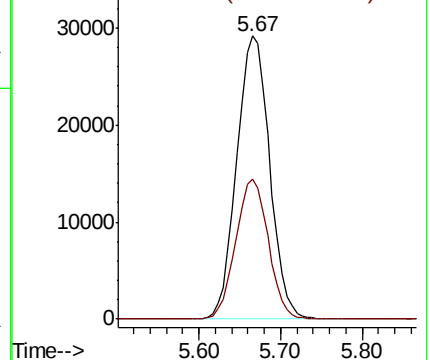
168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003800.D

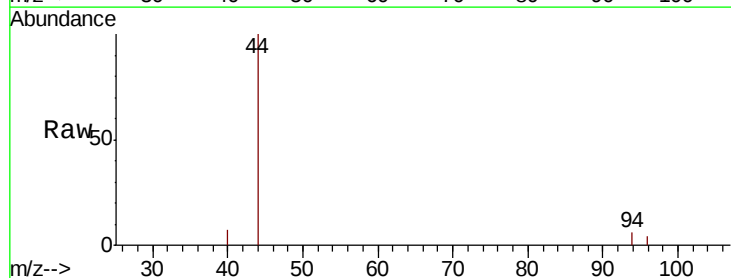
Acq: 01 Aug 2018 17:58

Tgt Ion: 94 Resp: 74

Ion Ratio Lower Upper

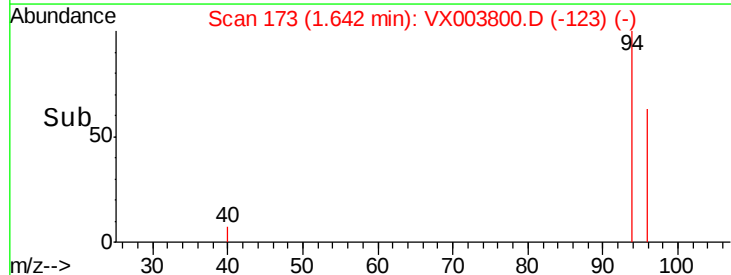
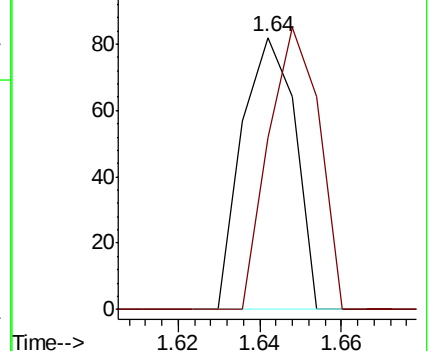
94 100

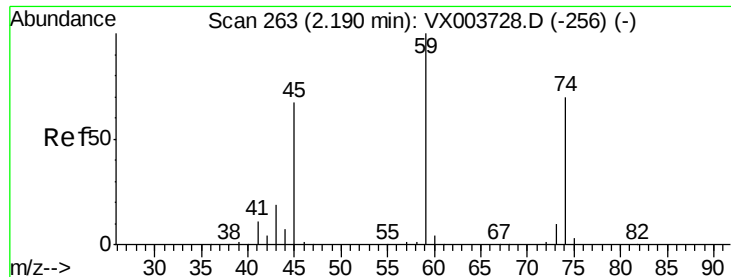
96 63.4 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 1.80 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

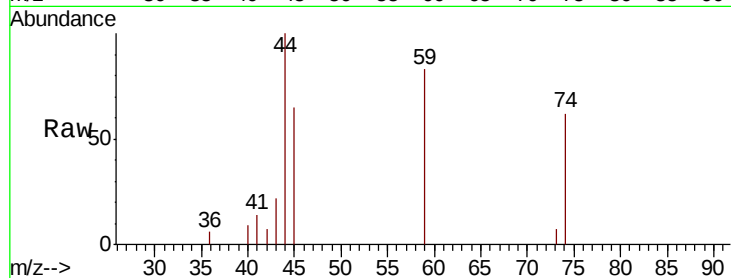
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 74 Resp: 828

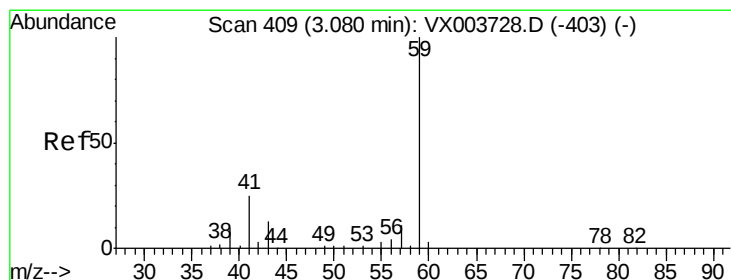
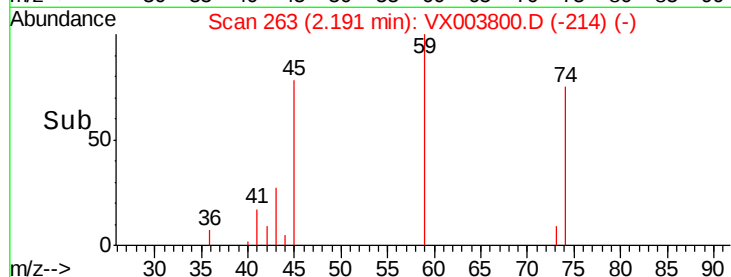
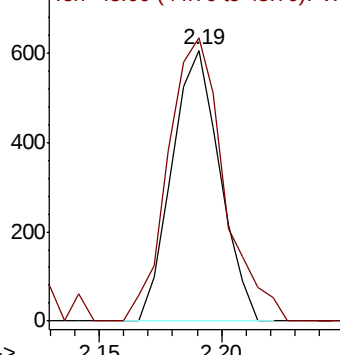
Ion Ratio Lower Upper

74 100

45 122.3 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 2.37 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003800.D

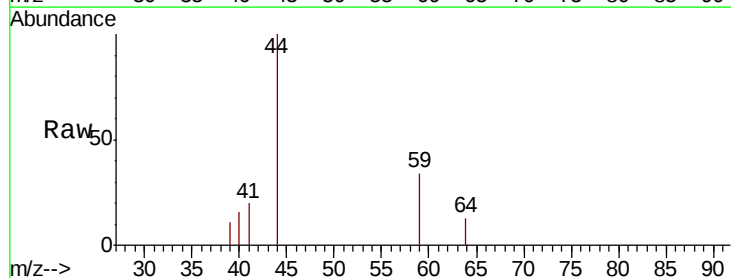
Acq: 01 Aug 2018 17:58

Tgt Ion: 59 Resp: 316

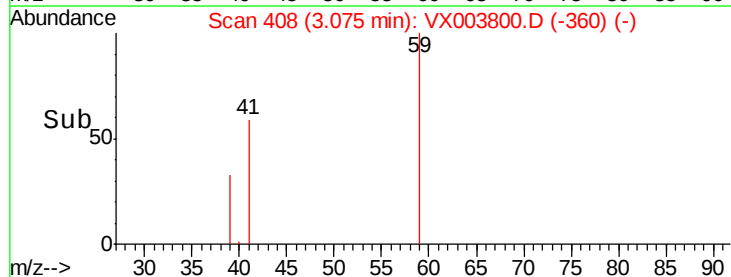
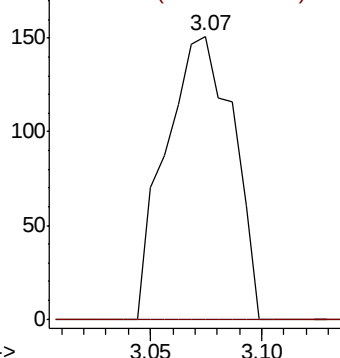
Ion Ratio Lower Upper

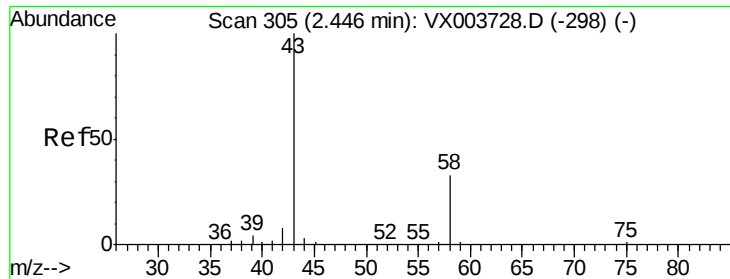
59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 4.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

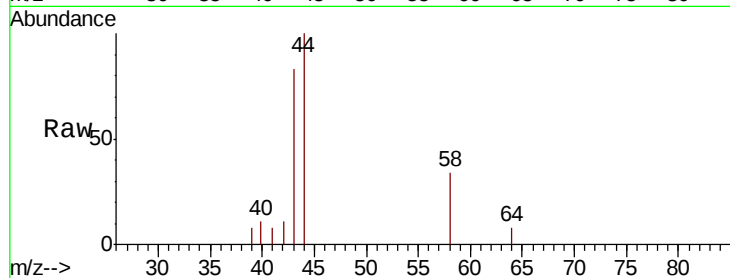
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1478

Ion Ratio Lower Upper

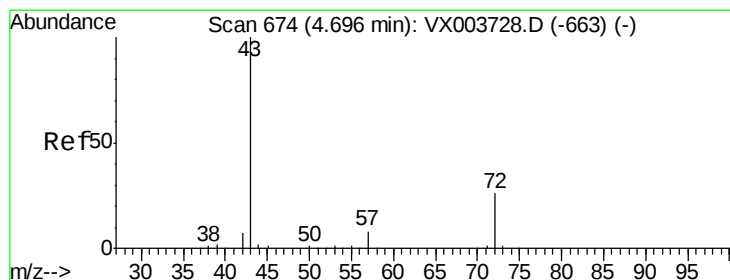
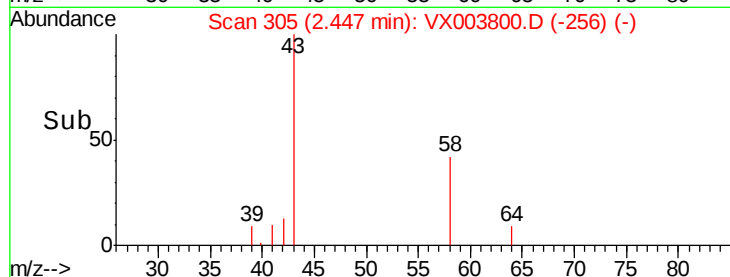
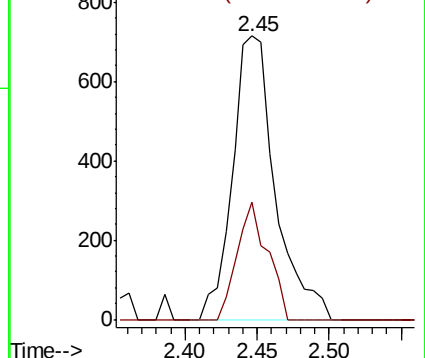
43 100

58 41.5 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 2.09 ug/l

RT: 4.76 min Scan# 684

Delta R.T. 0.06 min

Lab File: VX003800.D

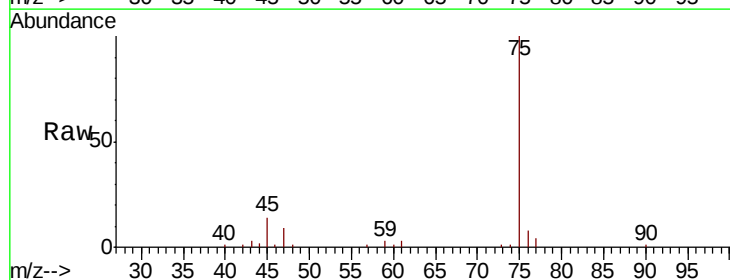
Acq: 01 Aug 2018 17:58

Tgt Ion: 43 Resp: 957

Ion Ratio Lower Upper

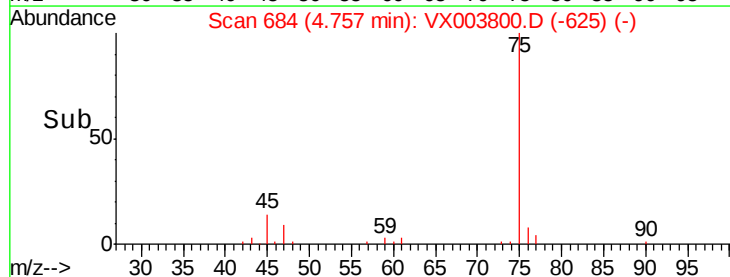
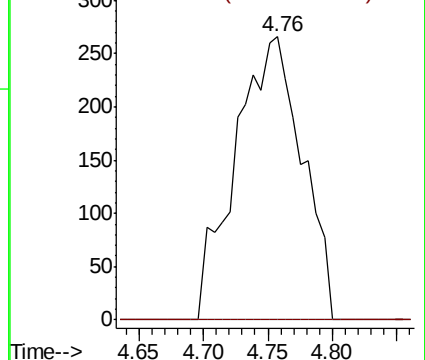
43 100

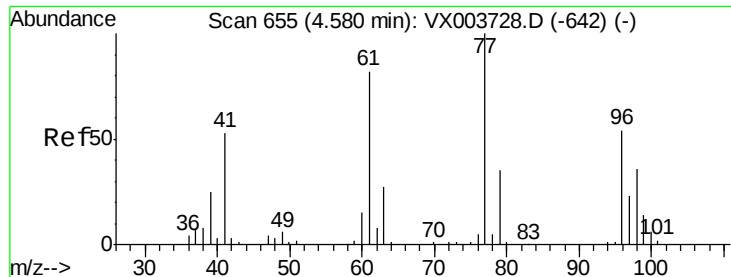
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#26

2,2-Dichloropropane

Concen: 1.03 ug/l

RT: 4.75 min Scan# 683

Delta R.T. 0.17 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

Instrument :

MSVOA_X

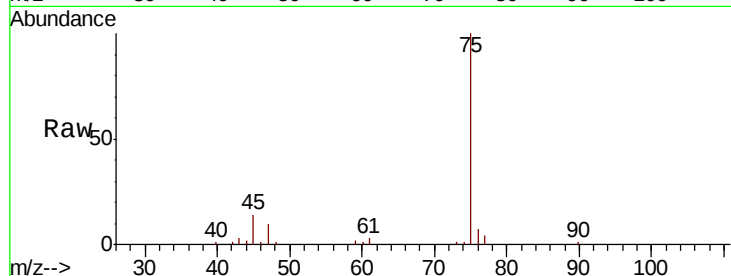
ClientSampleId :

Tot Ion: 77 Resp: 1099

Ion Ratio Lower Upper

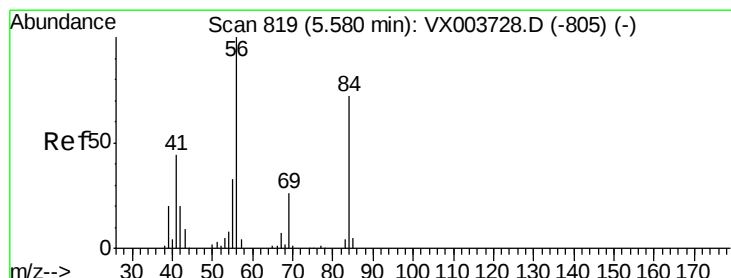
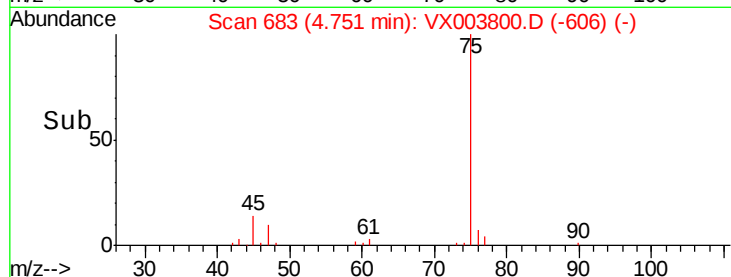
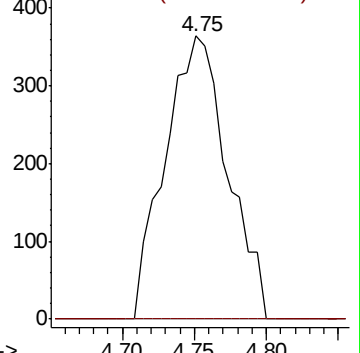
77 100

97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

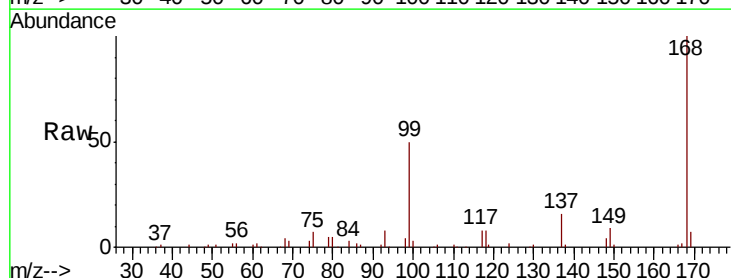
Tgt Ion: 56 Resp: 1390

Ion Ratio Lower Upper

56 100

69 162.4 20.6 30.8#

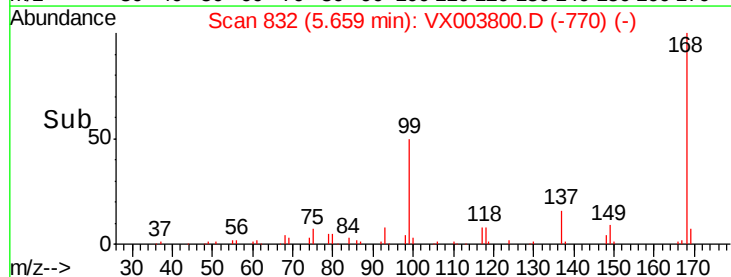
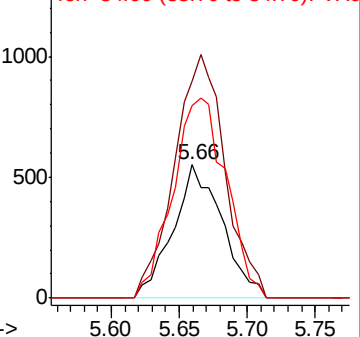
84 144.5 57.9 86.9#

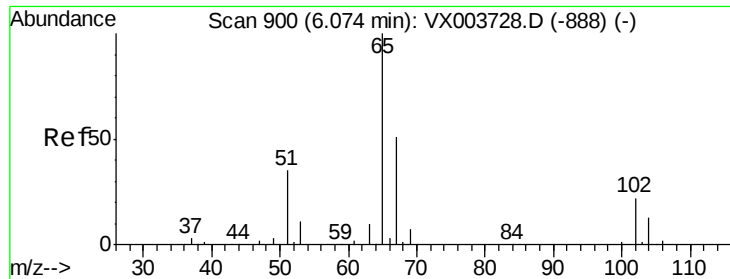


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

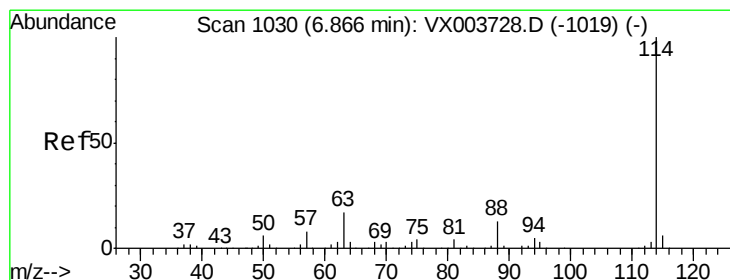
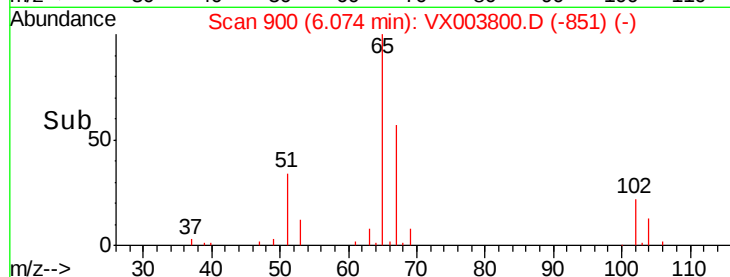
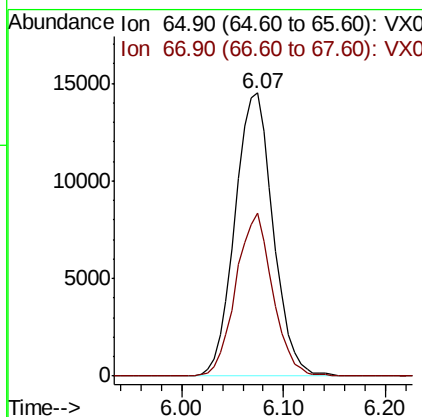
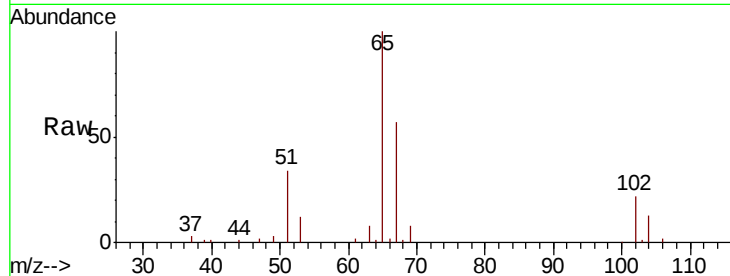




#33
 1,2-Dichloroethane-d4
 Concen: 45.79 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003800.D
 Acq: 01 Aug 2018 17:58

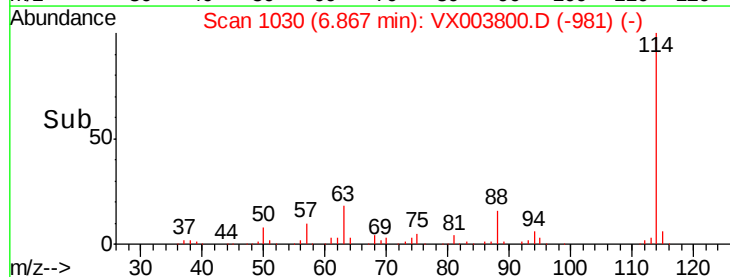
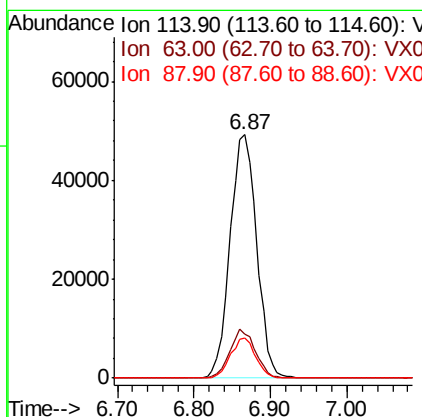
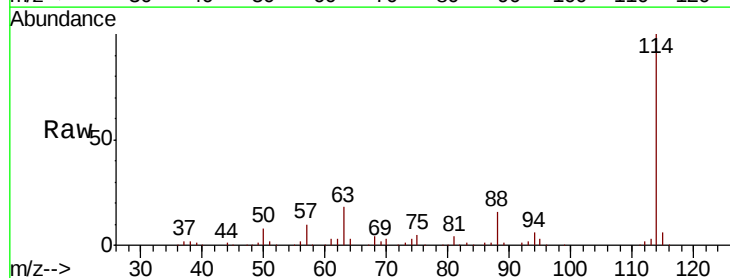
Instrument :
 MSVOA_X
 ClientSampleId :

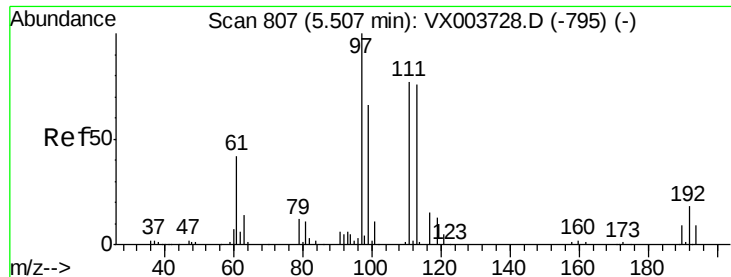
Tot Ion: 65 Resp: 37708
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003800.D
 Acq: 01 Aug 2018 17:58

Tgt Ion: 114 Resp: 118307
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 16.4 0.0 26.4





#35

Dibromofluoromethane

Concen: 44.13 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

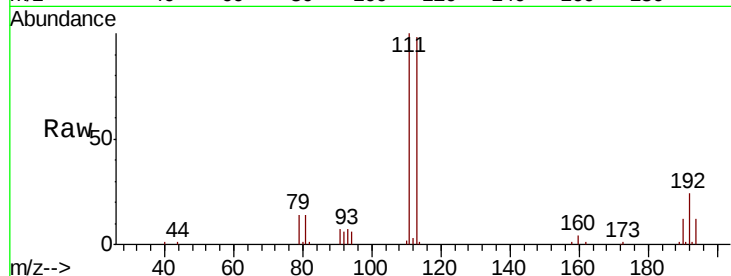
Tot Ion:113 Resp: 30741

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

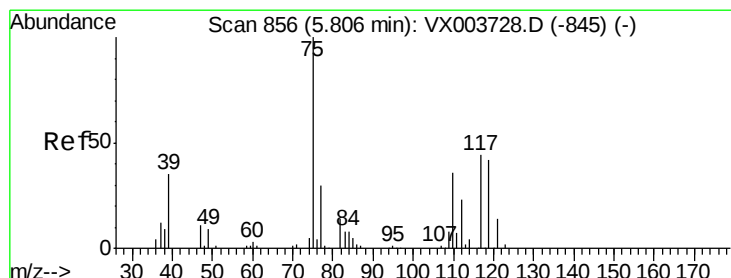
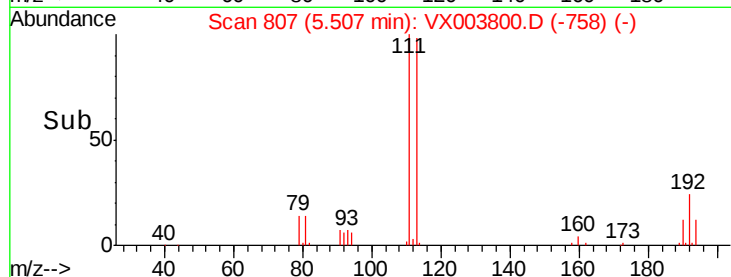
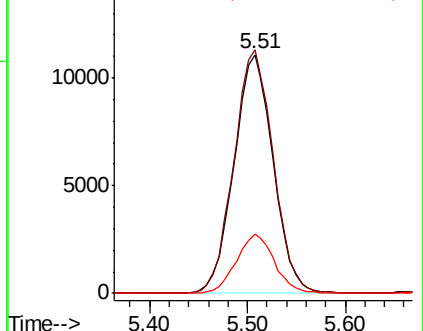
192 24.0 18.8 28.2



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: 4.89 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

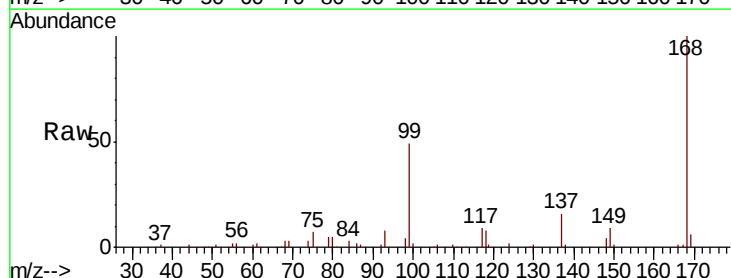
Tgt Ion: 75 Resp: 5419

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

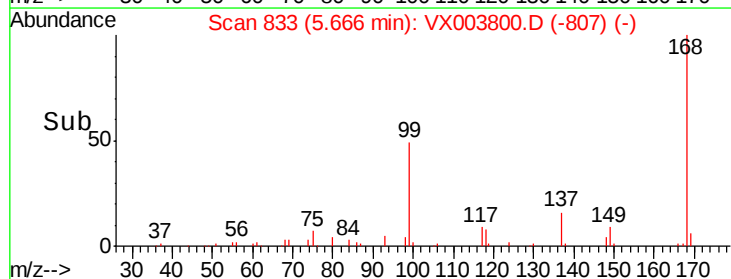
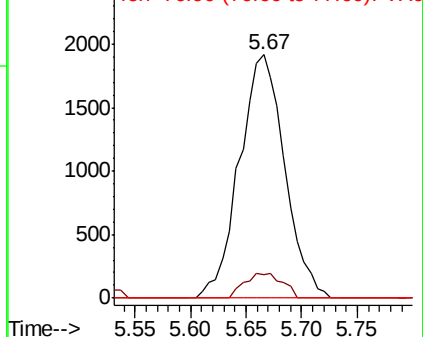
77 0.0 25.1 37.7#

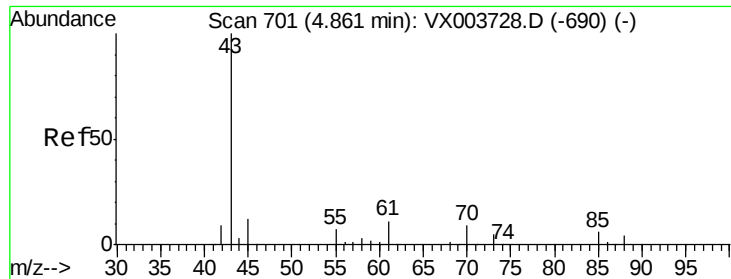


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.12 ug/l

RT: 4.76 min Scan# 684

Delta R.T. -0.10 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

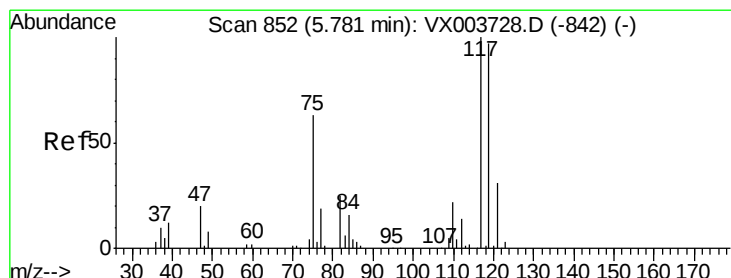
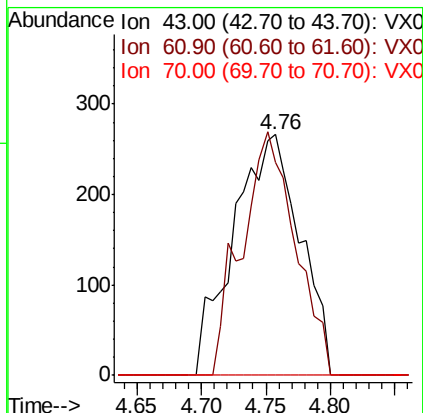
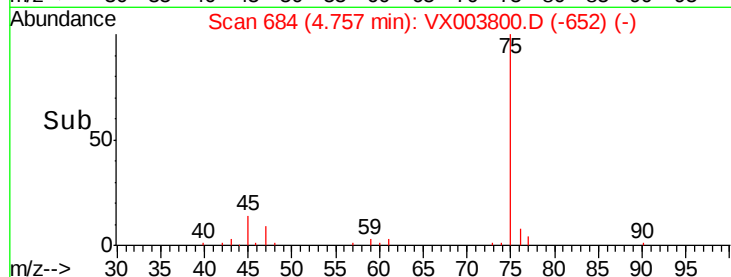
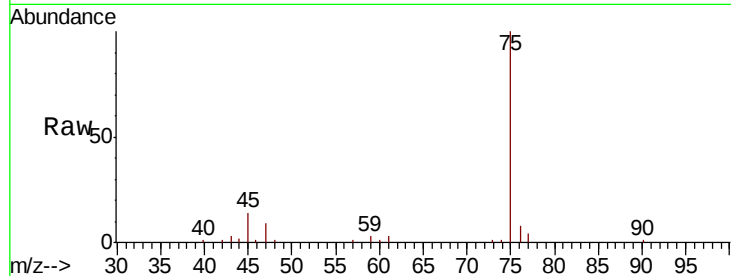
Tot Ion: 43 Resp: 957

Ion Ratio Lower Upper

43 100

61 81.7 11.4 17.0#

70 0.0 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 6.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

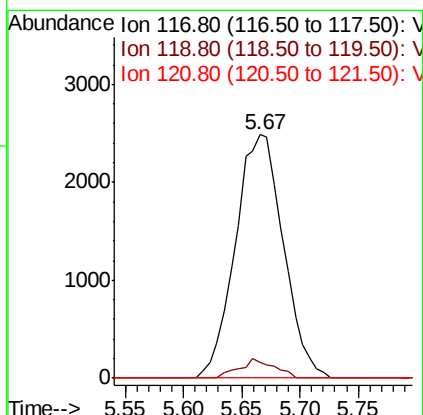
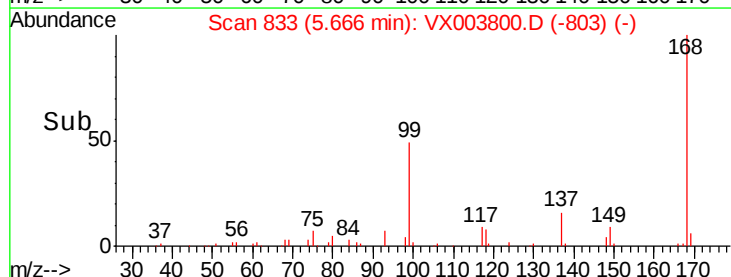
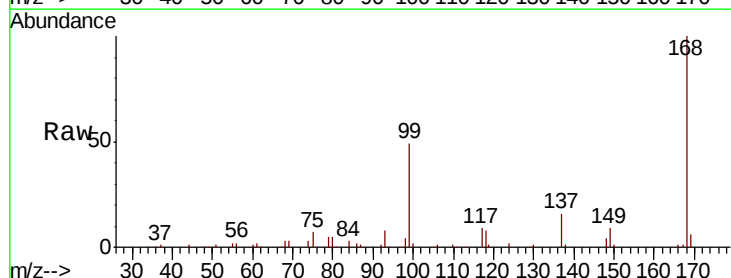
Tgt Ion: 117 Resp: 7096

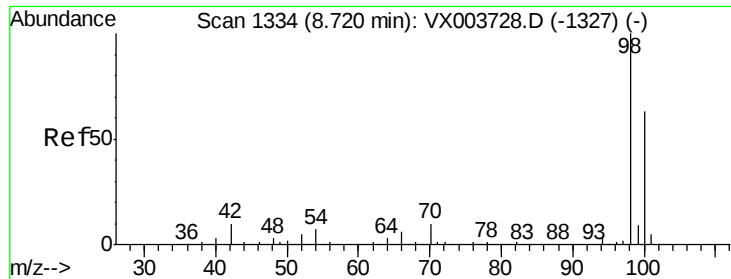
Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

121 0.0 25.0 37.4#

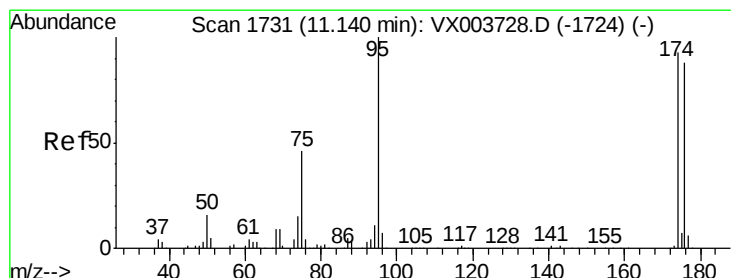
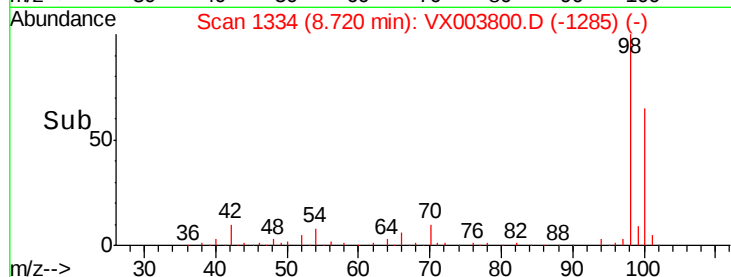
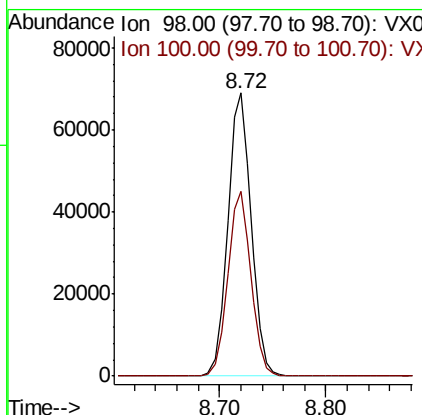
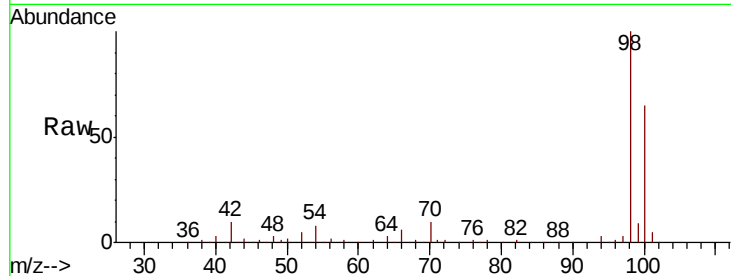




#50
Toluene-d8
Concen: 36.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003800.D
Acq: 01 Aug 2018 17:58

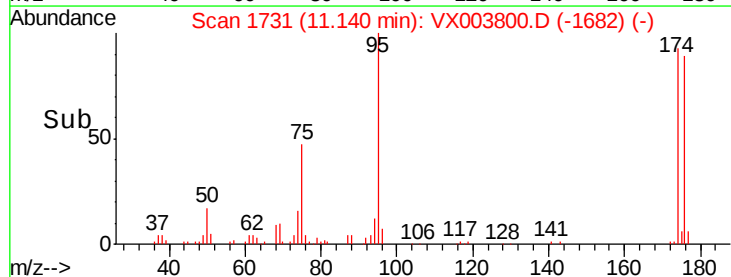
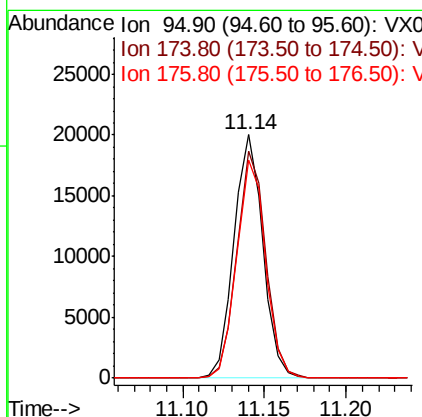
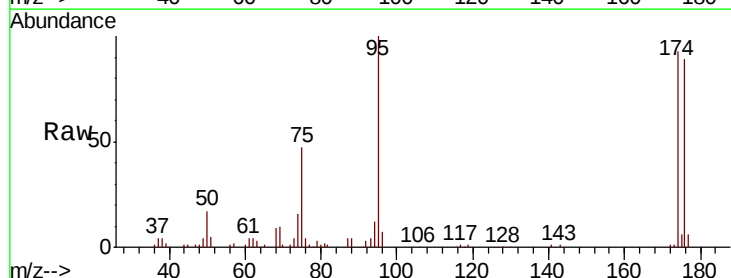
Instrument :
MSVOA_X
ClientSampleId :

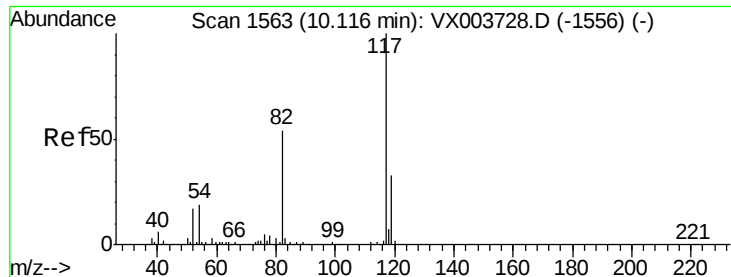
Tot Ion: 98 Resp: 105846
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 23.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003800.D
Acq: 01 Aug 2018 17:58

Tgt Ion: 95 Resp: 24757
Ion Ratio Lower Upper
95 100
174 93.4 0.0 186.2
176 89.6 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: VX003800.D

Acq: 01 Aug 2018 17:58

Instrument :

MSVOA_X

ClientSampleId :

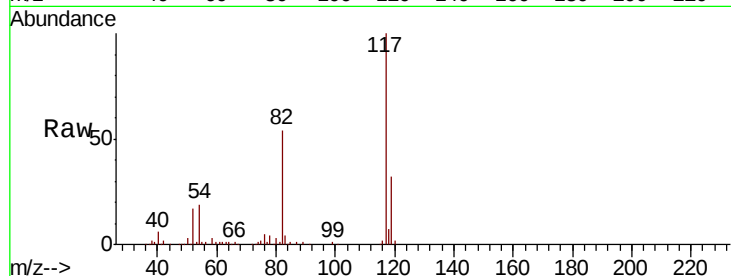
Tot Ion:117 Resp: 82947

Ion Ratio Lower Upper

117 100

82 54.0 43.2 64.8

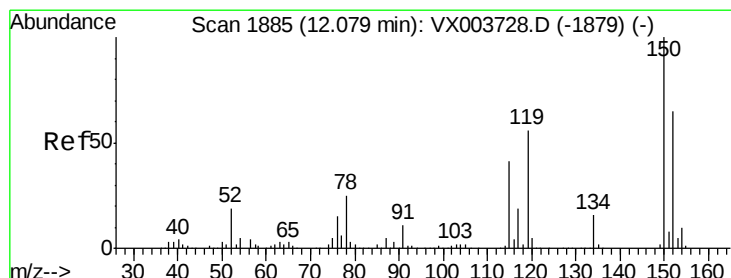
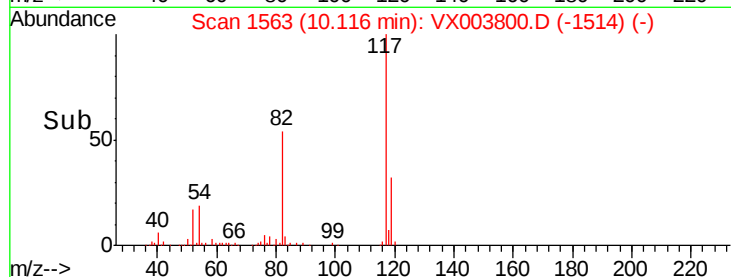
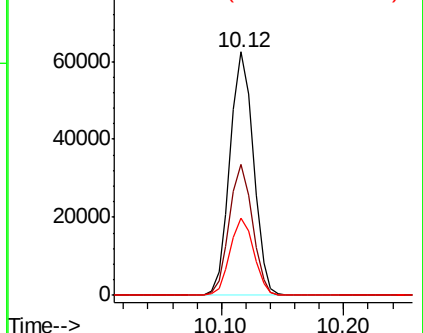
119 31.8 26.3 39.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

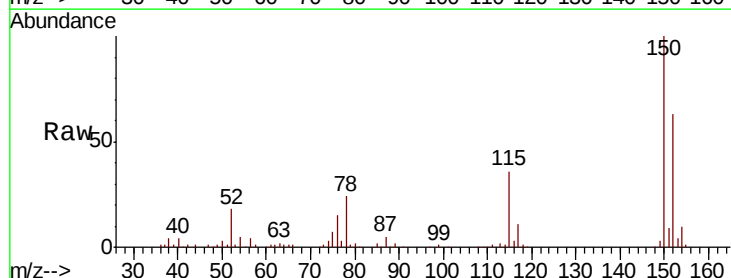
Tgt Ion:152 Resp: 24746

Ion Ratio Lower Upper

152 100

115 55.2 38.5 115.3

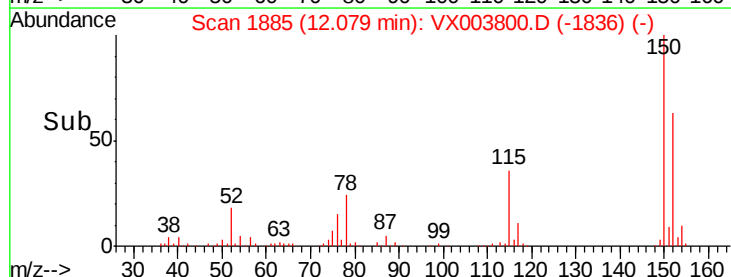
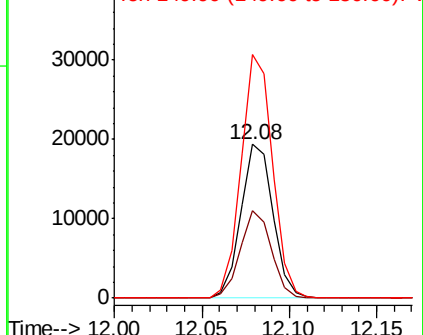
150 155.5 0.0 346.2

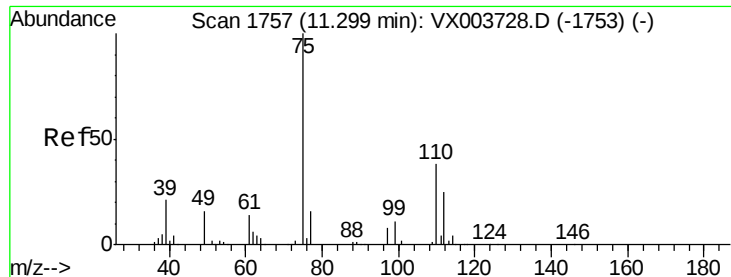


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

Instrument :

MSVOA_X

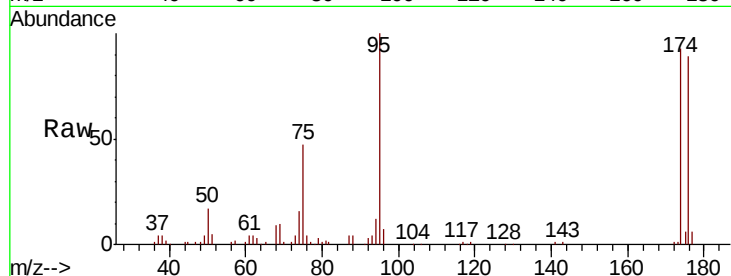
ClientSampled :

Tot Ion: 75 Resp: 11565

Ion Ratio Lower Upper

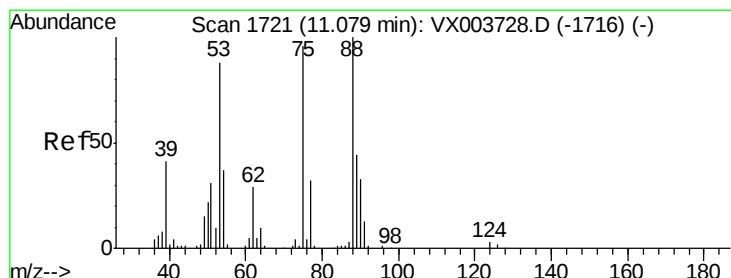
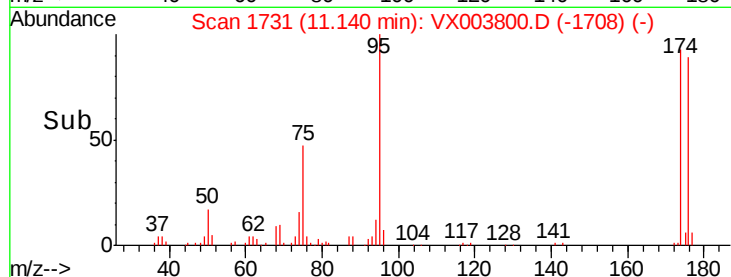
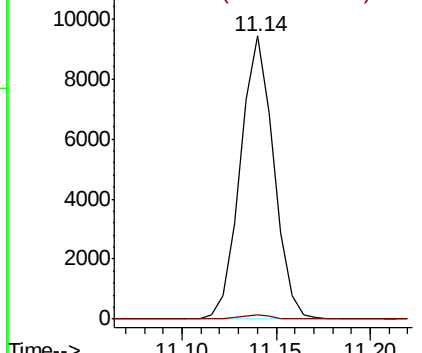
75 100

77 1.4 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 100.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003800.D

Acq: 01 Aug 2018 17:58

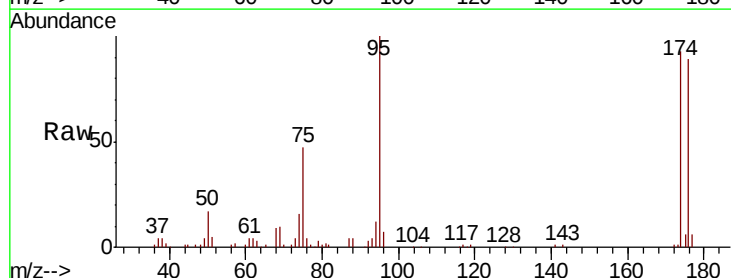
Tgt Ion: 75 Resp: 11565

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

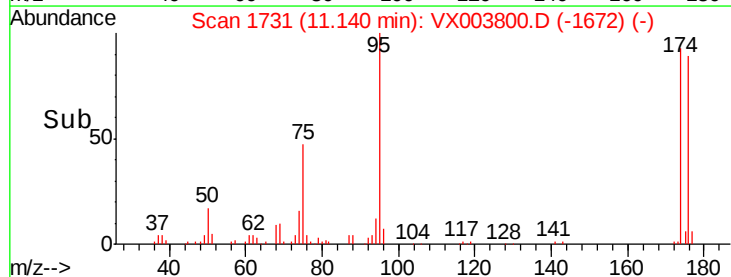
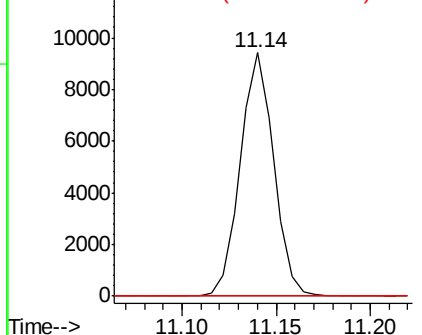
89 0.0 39.1 58.7#

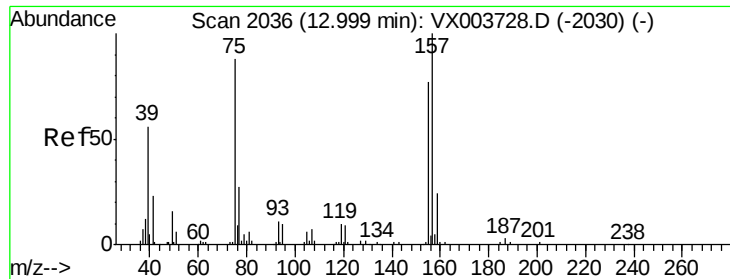


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

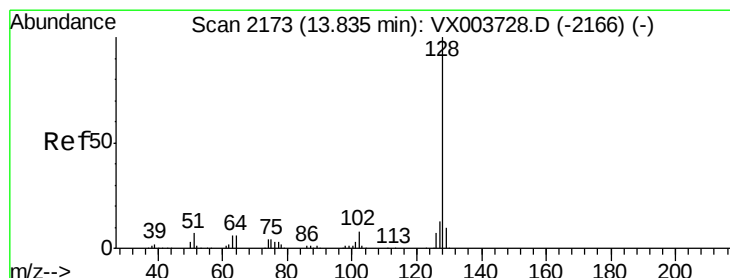
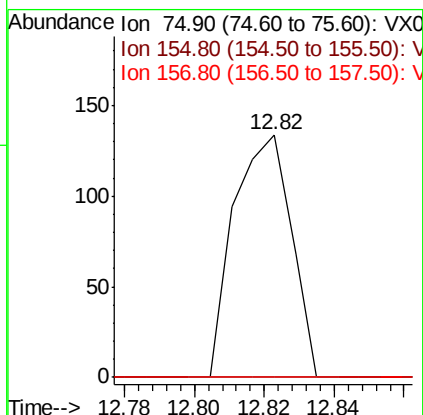
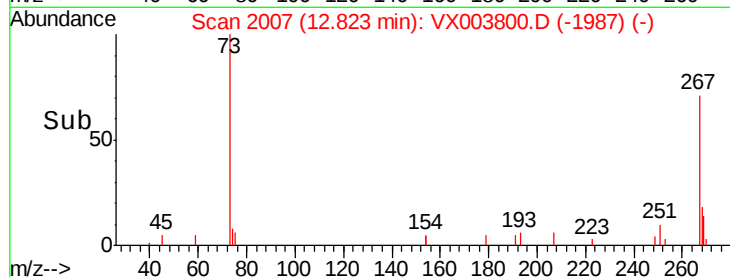
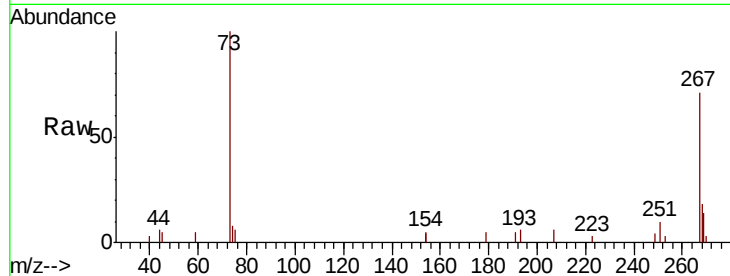




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.90 ug/l
 RT: 12.82 min Scan# 2007
 Delta R.T. -0.18 min
 Lab File: VX003800.D
 Acq: 01 Aug 2018 17:58

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 152
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.1#



#95
 Naphthalene
 Concen: 1.49 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX003800.D
 Acq: 01 Aug 2018 17:58

Tgt Ion: 128 Resp: 1927
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.2 15.2
 129 9.1 8.7 13.1

