

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041118\
 Data File : VX000772.D
 Acq On : 11 Apr 2018 12:32
 Operator : JC/MD
 Sample : J2155-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 13:47:35 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	324704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	453824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	425940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	253971	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	165924	40.53	ug/l	0.00
Spiked Amount			Recovery	=	81.06%	
35) Dibromofluoromethane	5.51	113	139009	39.76	ug/l	0.00
Spiked Amount			Recovery	=	79.52%	
50) Toluene-d8	8.72	98	524588	40.30	ug/l	0.00
Spiked Amount			Recovery	=	80.60%	
62) 4-Bromofluorobenzene	11.14	95	214008	39.73	ug/l	0.00
Spiked Amount			Recovery	=	79.46%	

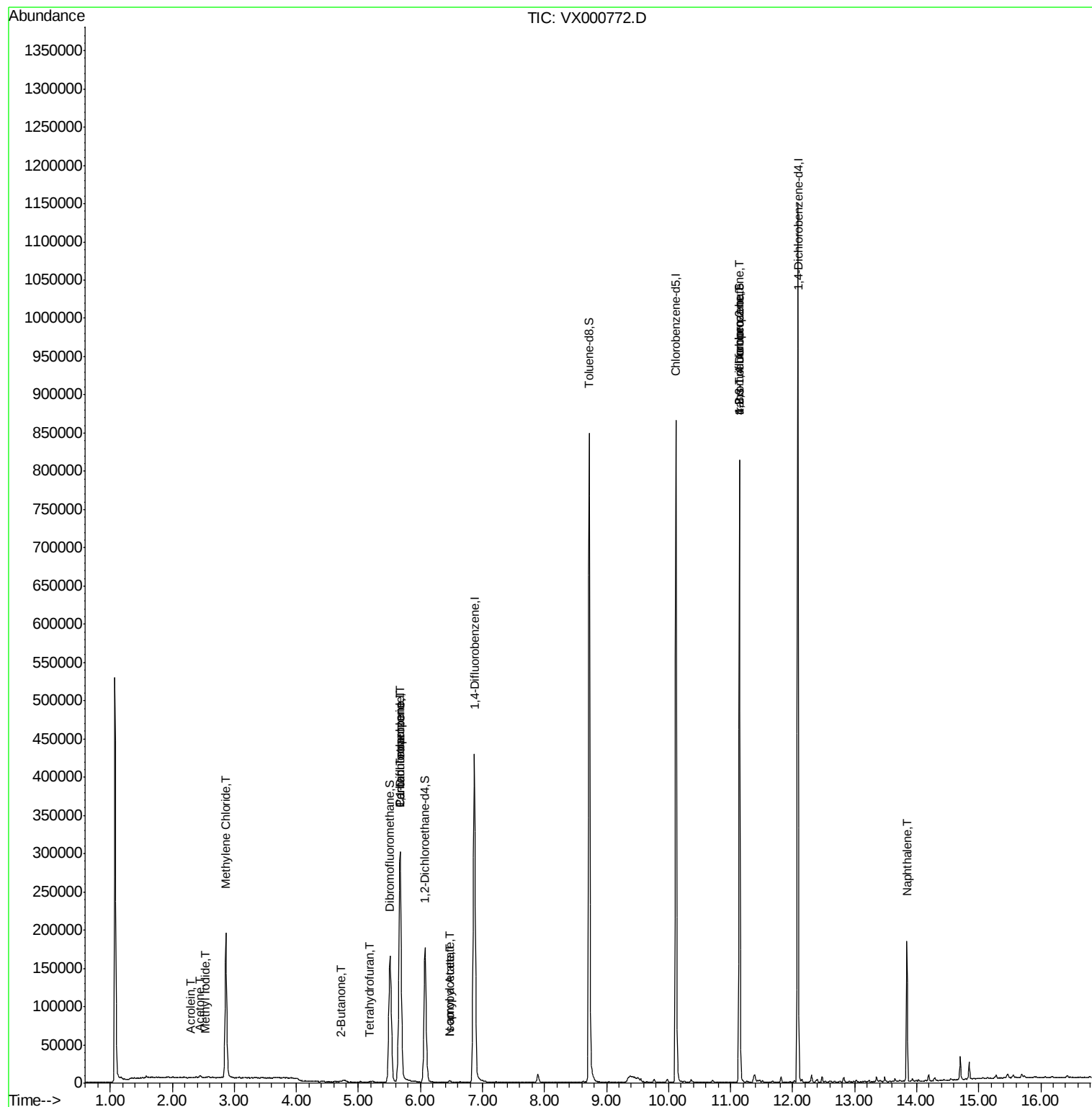
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	343	Below Cal		96
10) Methyl Iodide	2.53	142	250	8.32	ug/l #	63
13) Acrolein	2.29	56	74	0.21	ug/l #	44
16) Acetone	2.45	43	2612	1.85	ug/l	94
20) Methylene Chloride	2.86	84	89360	27.21	ug/l	99
25) 2-Butanone	4.71	43	1022	0.44	ug/l #	83
29) Tetrahydrofuran	5.17	42	404	0.27	ug/l #	54
36) 1,1-Dichloropropene	5.67	75	19301	3.86	ug/l #	49
38) Carbon Tetrachloride	5.67	117	27025	4.83	ug/l #	14
43) Isopropyl Acetate	6.47	43	2345	0.28	ug/l #	92
74) N-amyl acetate	6.47	43	2345	0.32	ug/l #	94
76) 1,2,3-Trichloropropane	11.14	75	104173	23.78	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	104173	65.42	ug/l #	11
95) Naphthalene	13.84	128	109991	5.95	ug/l	100

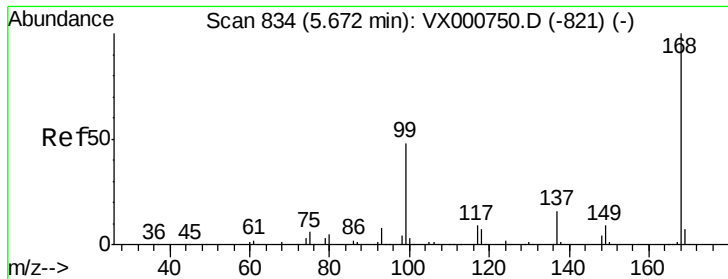
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

Instrument :

MSVOA_X

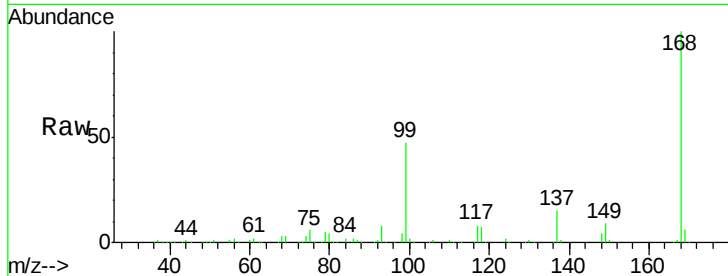
ClientSampleId :

Tot Ion:168 Resp: 324704

Ion Ratio Lower Upper

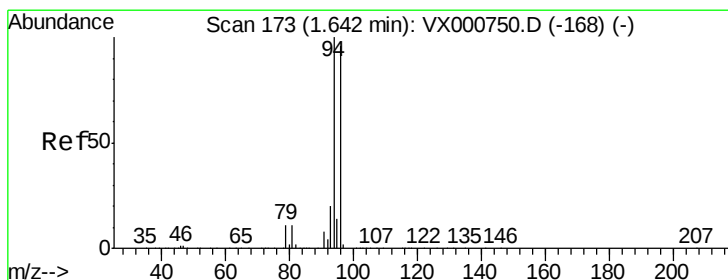
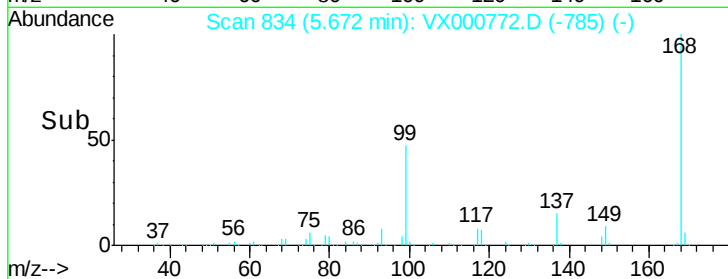
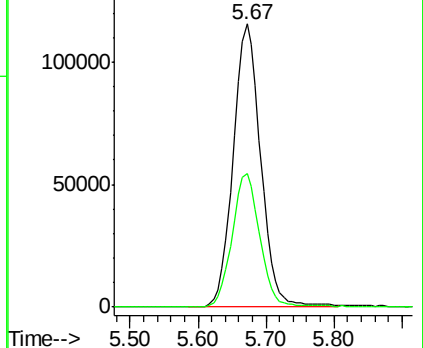
168 100

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

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX000772.D

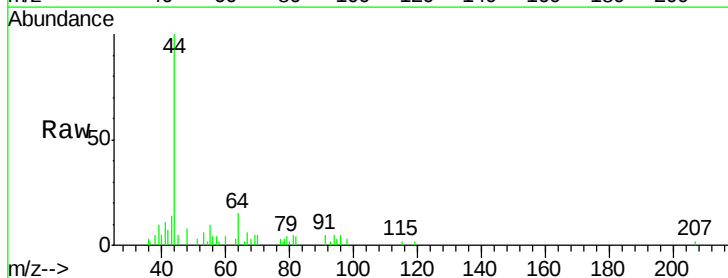
Acq: 11 Apr 2018 12:32

Tgt Ion: 94 Resp: 343

Ion Ratio Lower Upper

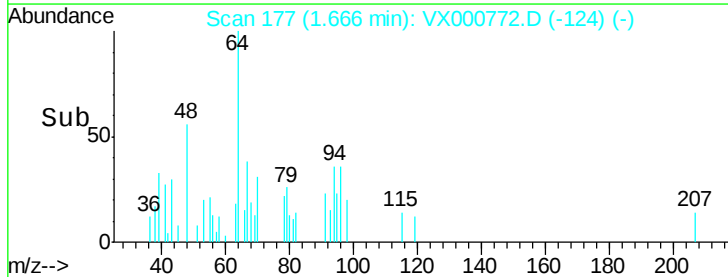
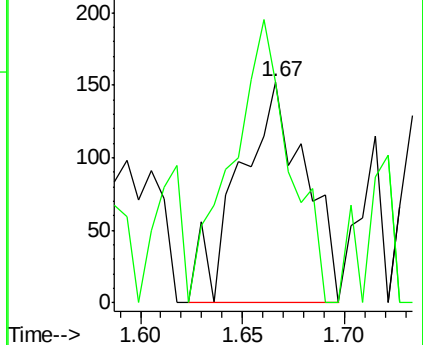
94 100

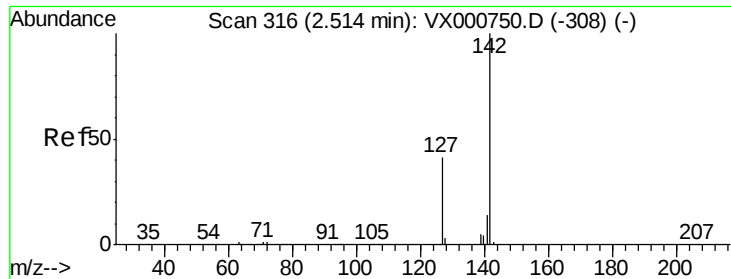
96 100.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

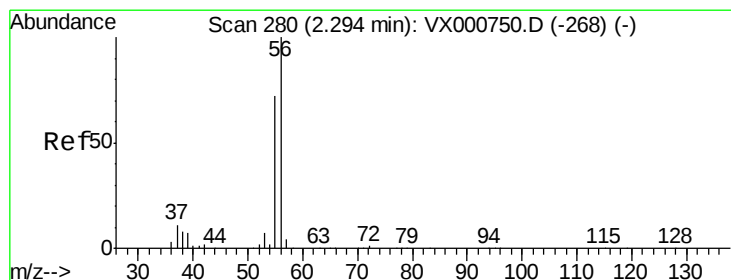
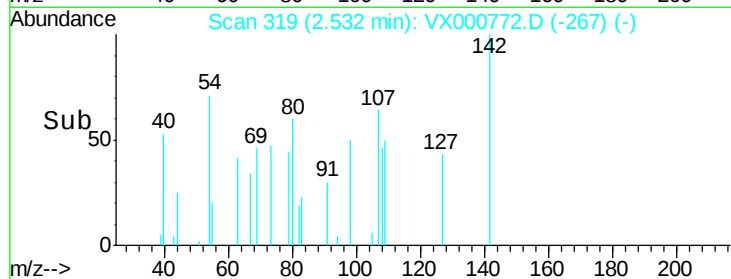
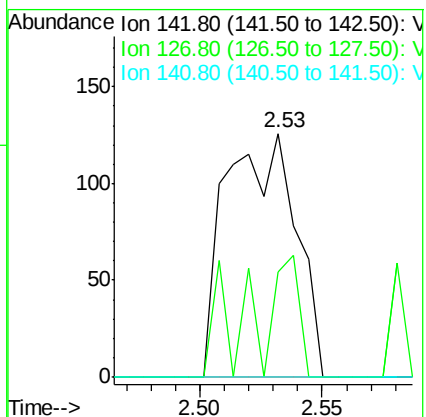
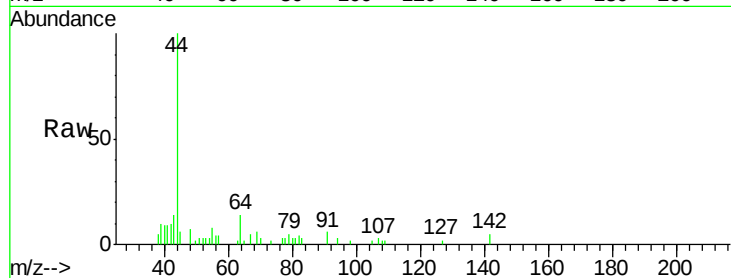




#10
Methvl Iodide
Concen: 8.32 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX000772.D
Acq: 11 Apr 2018 12:32

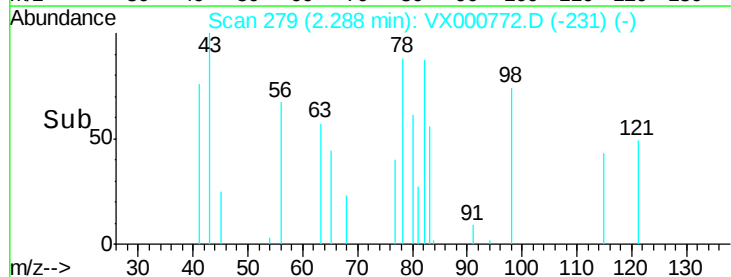
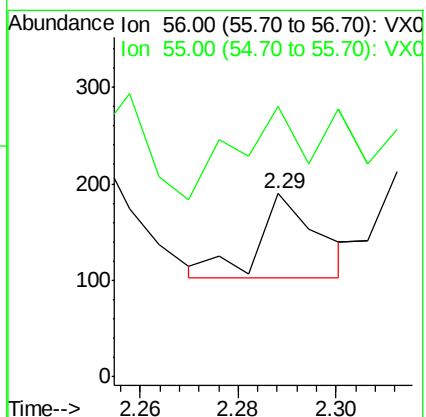
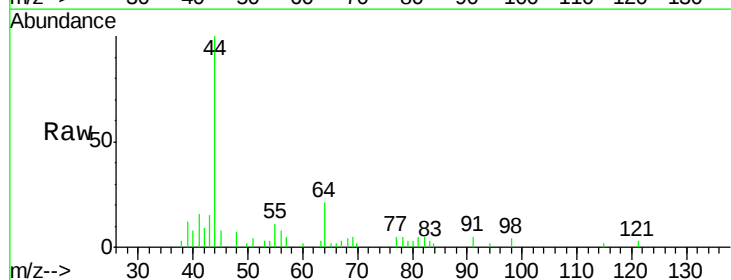
Instrument :
MSVOA_X
ClientSampleId :

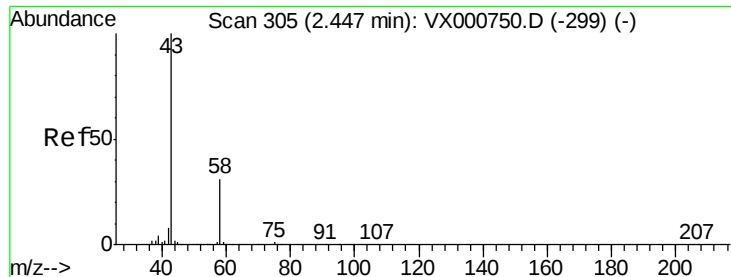
Tot Ion:142 Resp: 250
Ion Ratio Lower Upper
142 100
127 17.2 32.6 49.0#
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.21 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX000772.D
Acq: 11 Apr 2018 12:32

Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 120.3 58.7 88.1#





#16

Acetone

Concen: 1.85 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

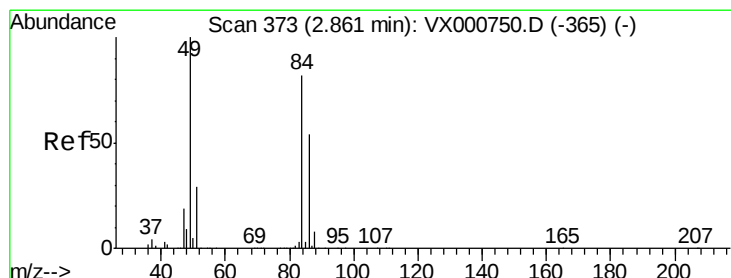
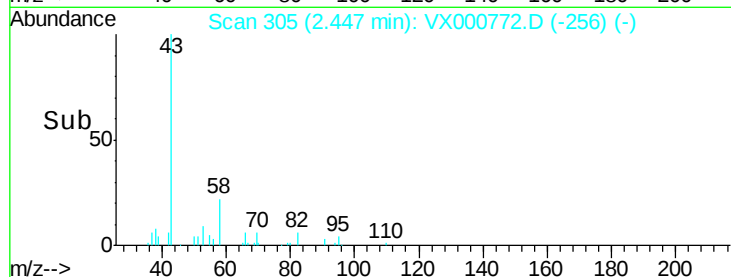
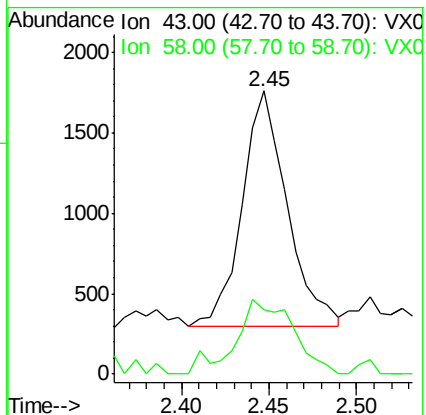
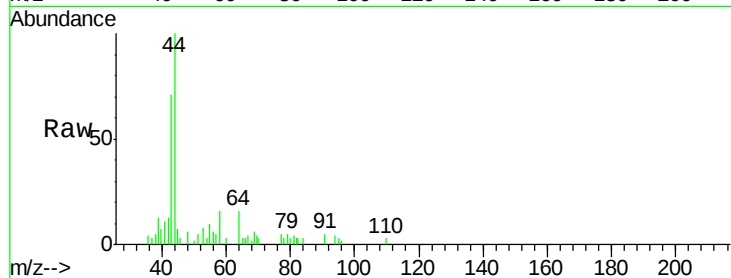
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2612

Ion Ratio Lower Upper

43 100

58 27.4 24.6 37.0



#20

Methylene Chloride

Concen: 27.21 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

Tgt Ion: 84 Resp: 89360

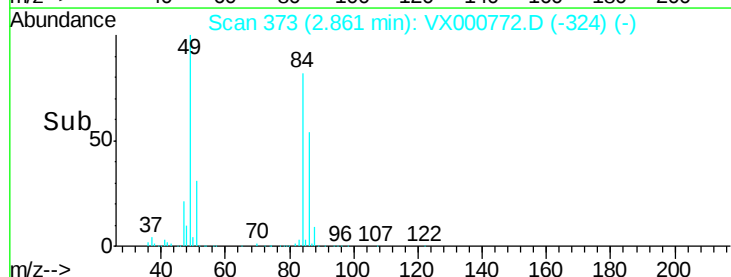
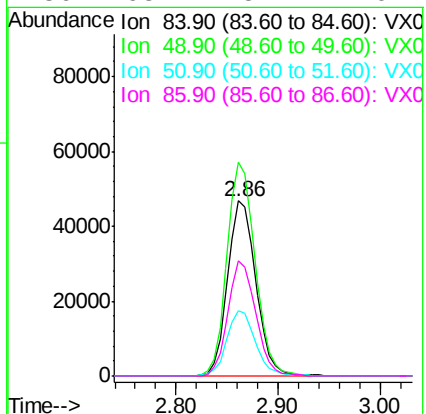
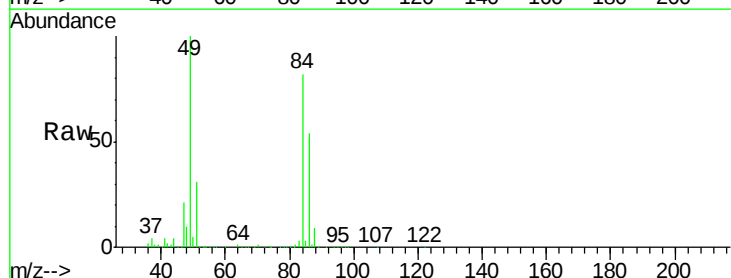
Ion Ratio Lower Upper

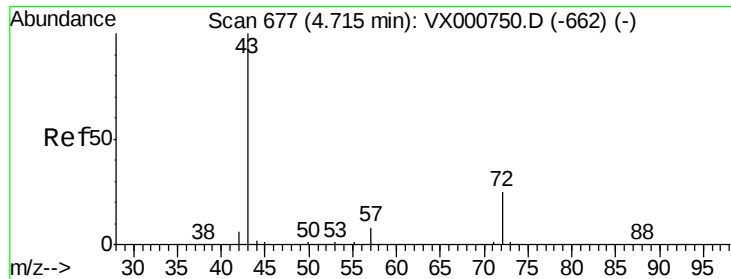
84 100

49 122.4 98.1 147.1

51 37.6 28.9 43.3

86 65.7 52.7 79.1





#25

2-Butanone

Concen: 0.44 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

Instrument :

MSVOA_X

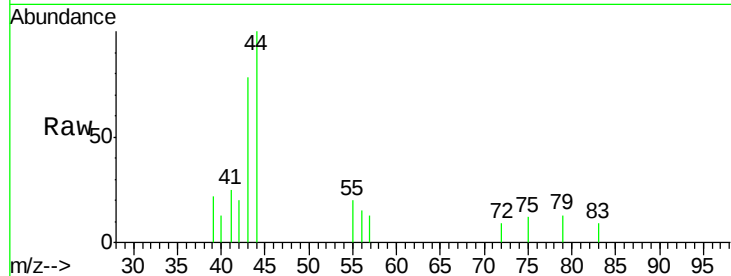
ClientSampled :

Tot Ion: 43 Resp: 1022

Ion Ratio Lower Upper

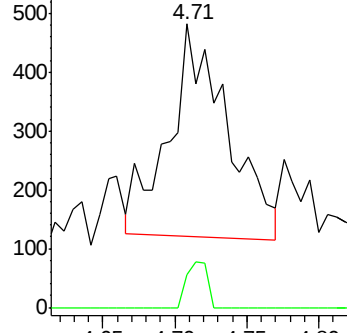
43 100

72 16.9 20.3 30.5#

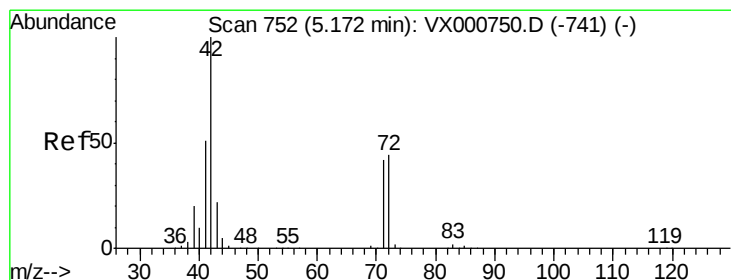
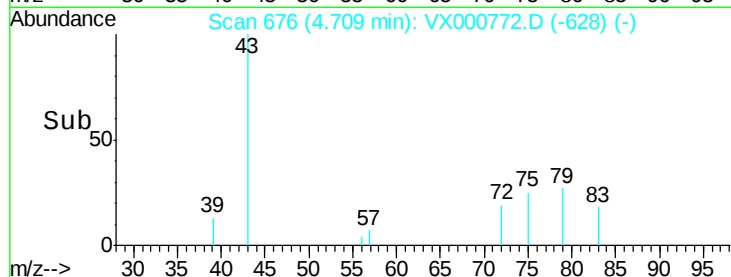


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

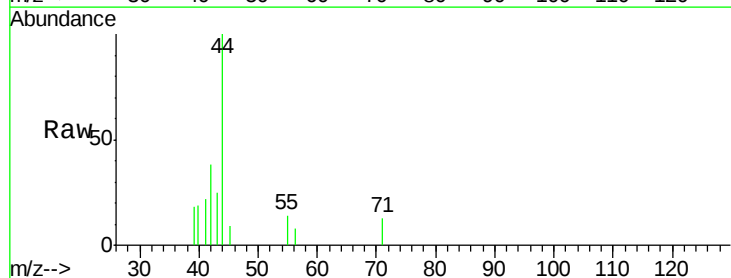
Tgt Ion: 42 Resp: 404

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

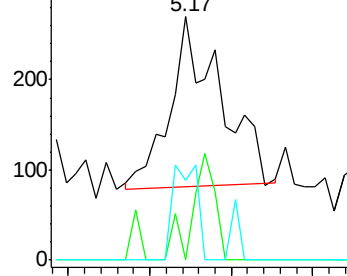
71 27.0 32.8 49.2#



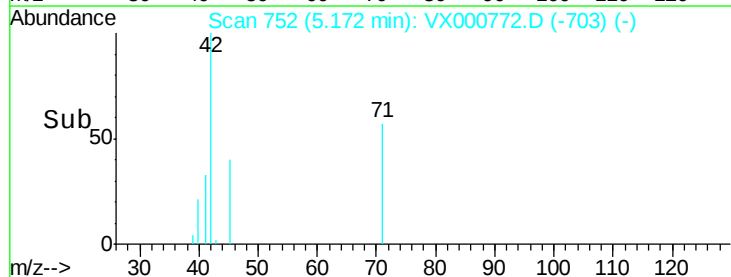
Abundance Ion 42.00 (41.70 to 42.70): VX0

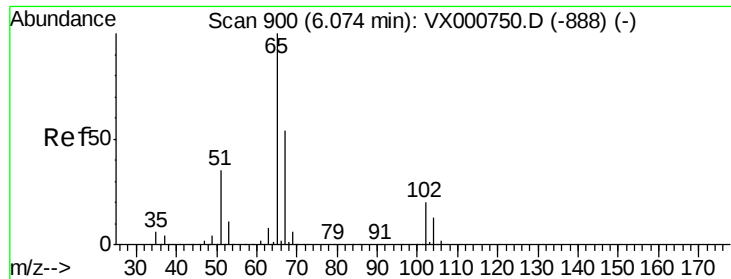
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

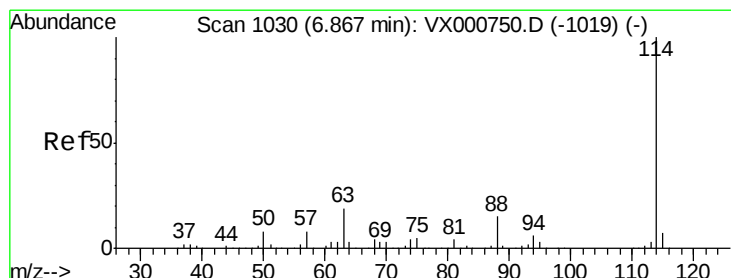
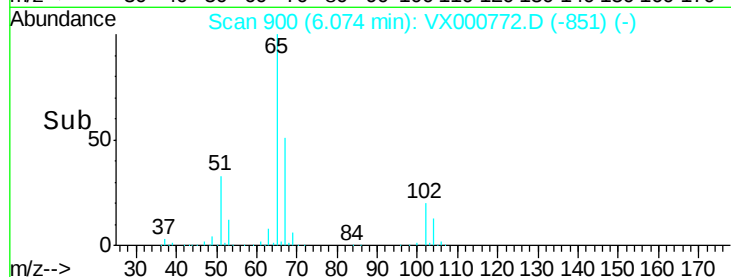
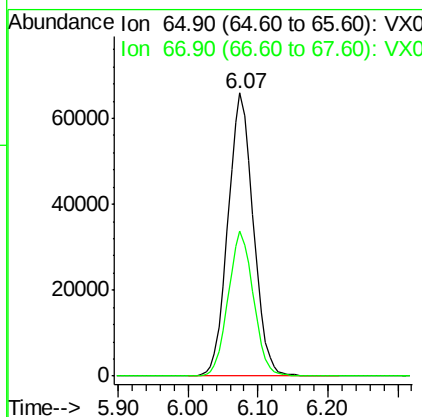
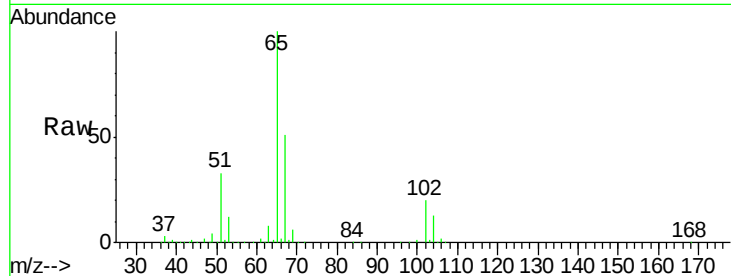




#33
 1,2-Dichloroethane-d4
 Concen: 40.53 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX000772.D
 Acq: 11 Apr 2018 12:32

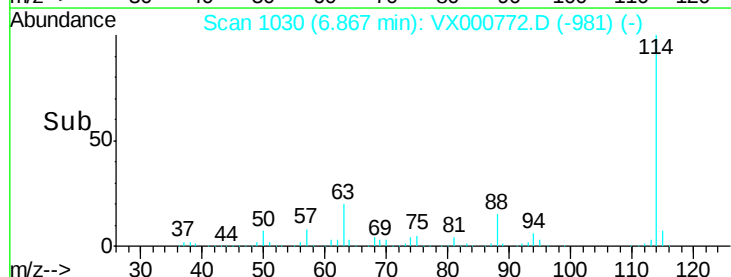
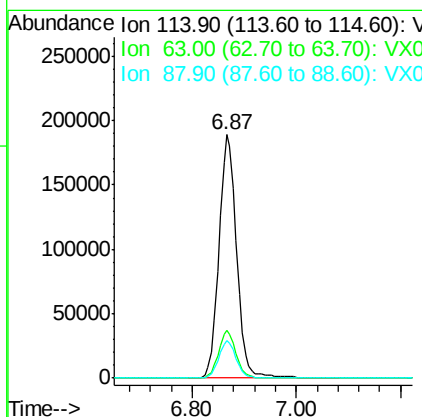
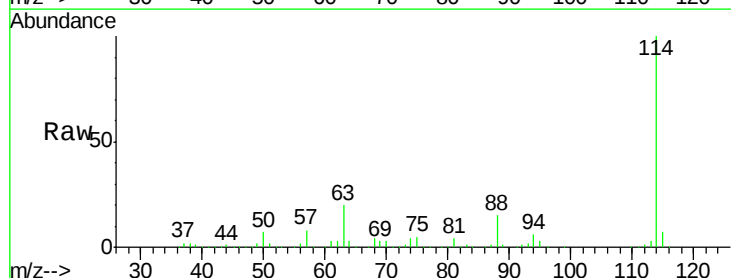
Instrument :
 MSVOA_X
 ClientSampleId :

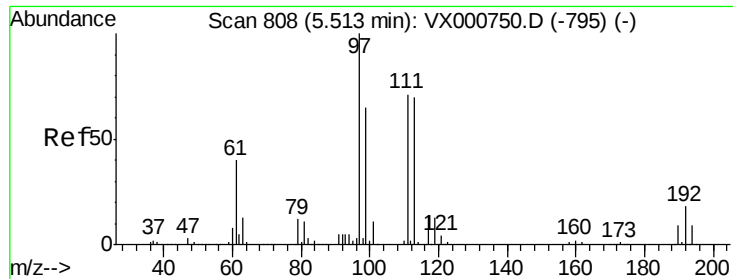
Tot Ion: 65 Resp: 165924
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000772.D
 Acq: 11 Apr 2018 12:32

Tgt Ion: 114 Resp: 453824
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 15.3 0.0 31.0

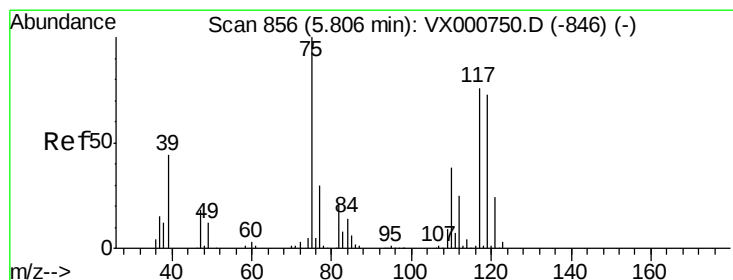
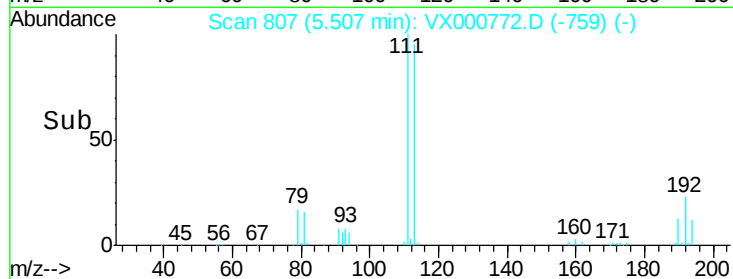
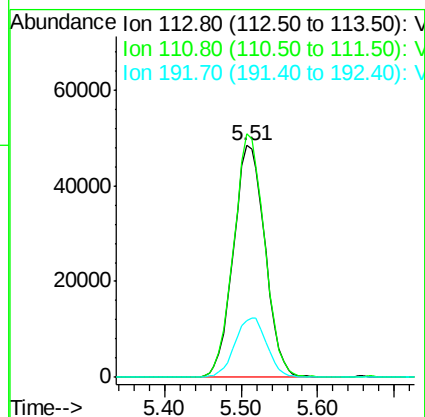
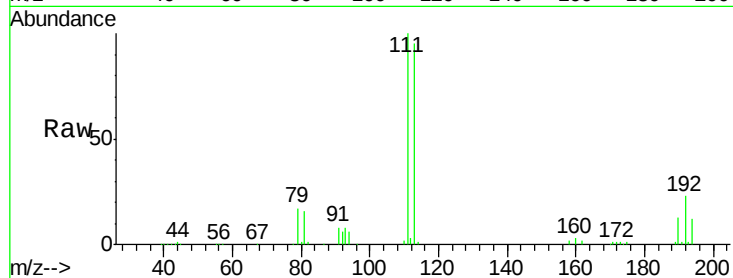




#35
 Dibromofluoromethane
 Concen: 39.76 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX000772.D
 Acq: 11 Apr 2018 12:32

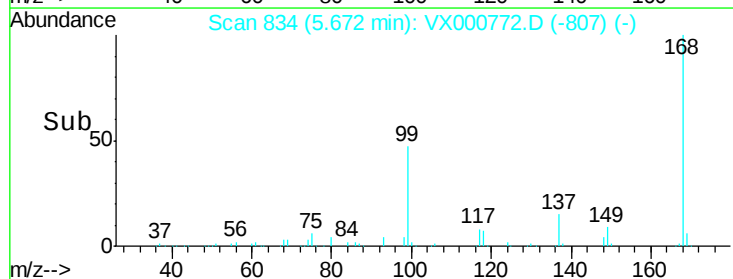
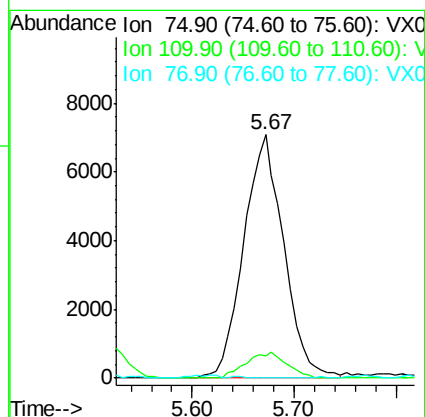
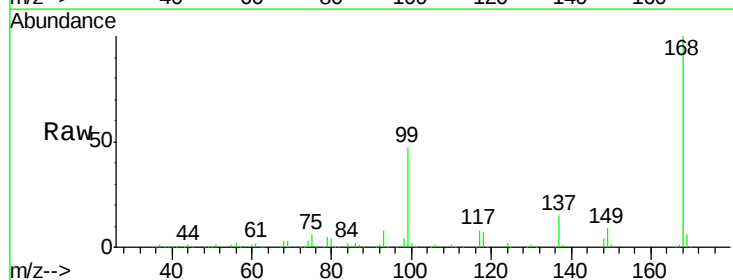
Instrument :
 MSVOA_X
 ClientSampleId :

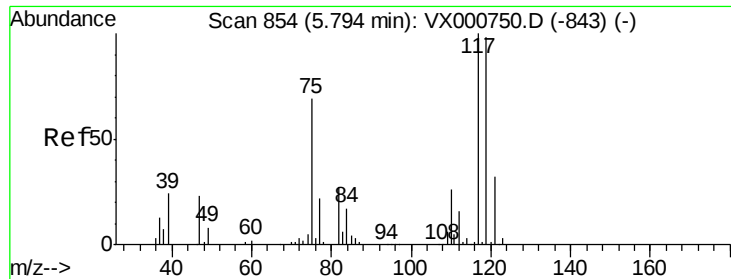
Tot Ion:113 Resp: 139009
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 25.8 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000772.D
 Acq: 11 Apr 2018 12:32

Tgt Ion: 75 Resp: 19301
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.2 57.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.83 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

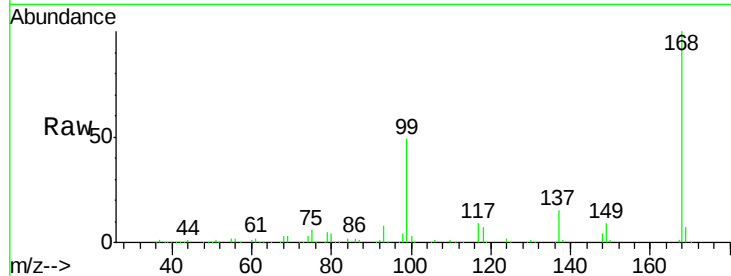
Tot Ion:117 Resp: 27025

Ion Ratio Lower Upper

117 100

119 4.1 78.4 117.6#

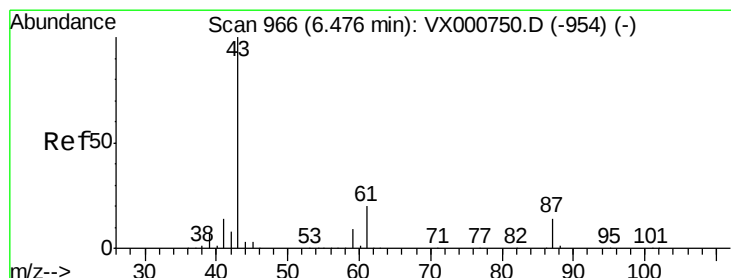
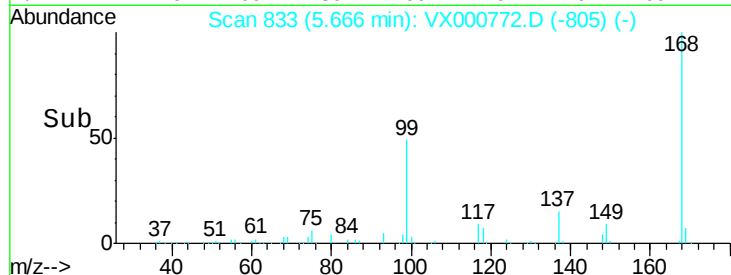
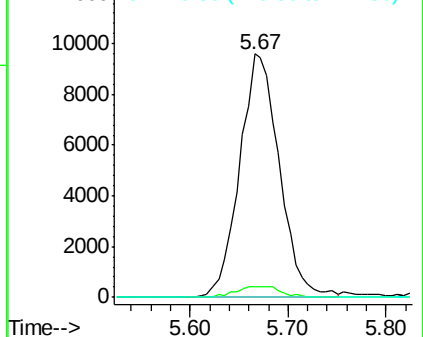
121 0.0 25.4 38.0#



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: 0.28 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

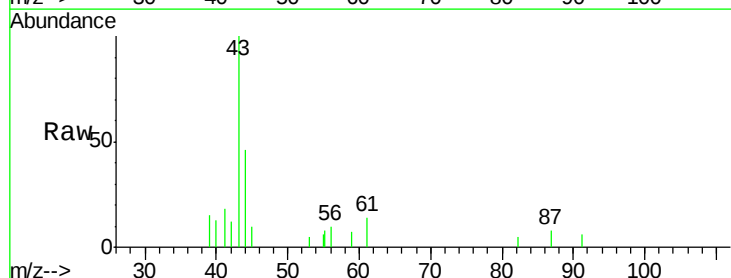
Tgt Ion: 43 Resp: 2345

Ion Ratio Lower Upper

43 100

61 22.1 15.6 23.4

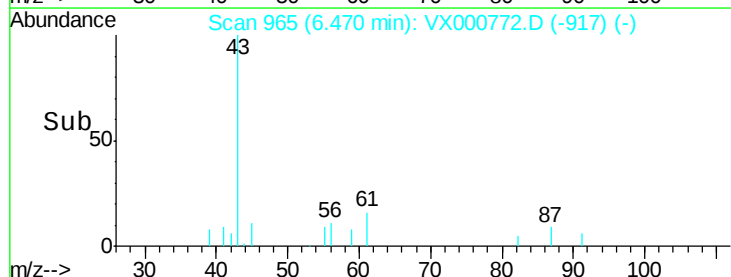
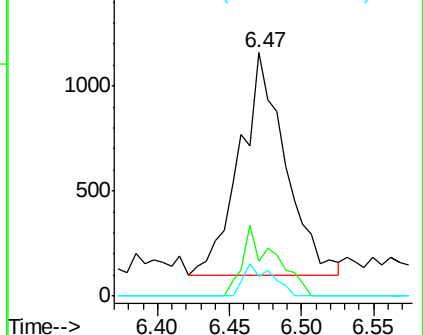
87 8.9 10.7 16.1#

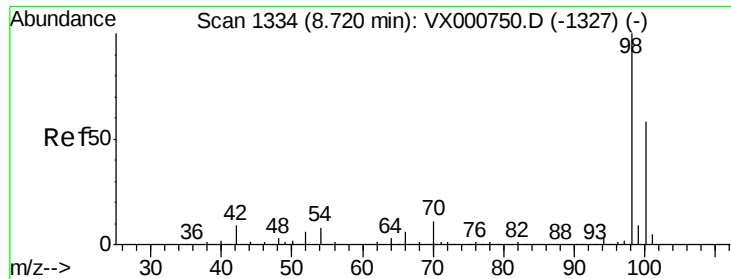


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

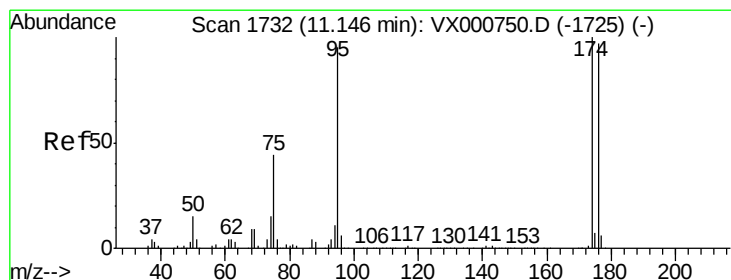
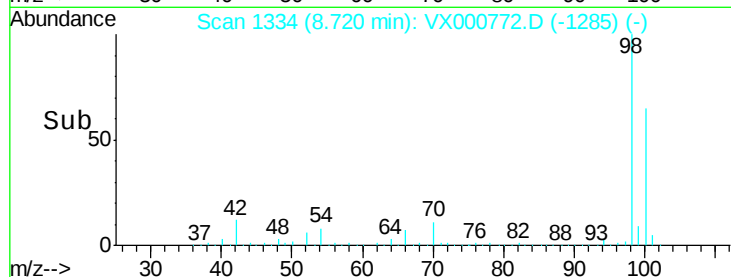
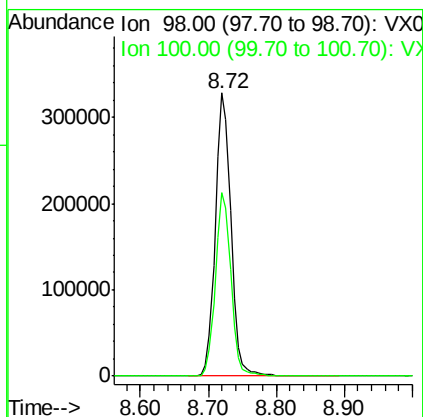
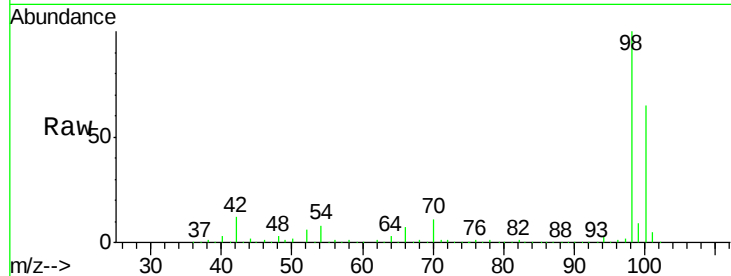




#50
Toluene-d8
Concen: 40.30 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000772.D
Acq: 11 Apr 2018 12:32

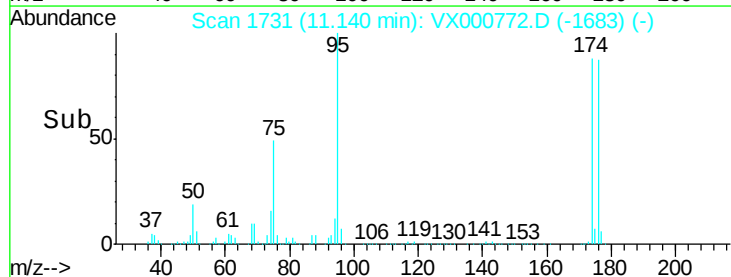
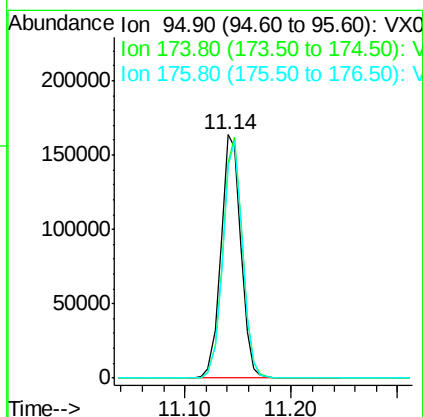
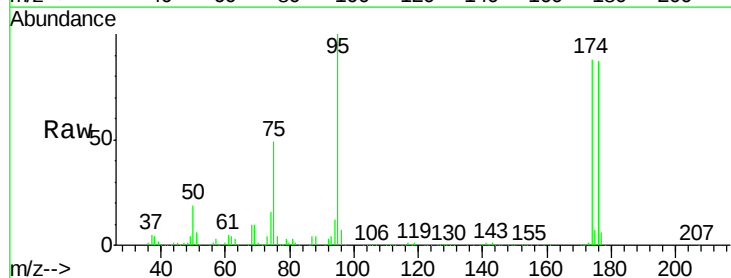
Instrument :
MSVOA_X
ClientSampleId :

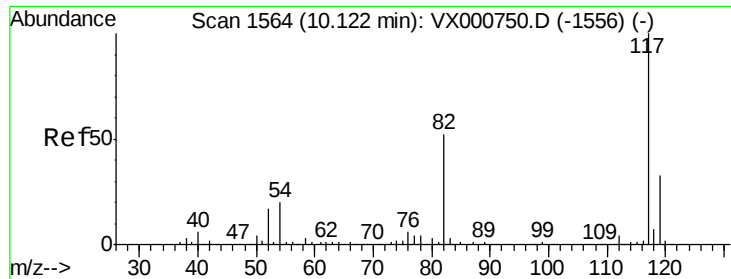
Tot Ion: 98 Resp: 524588
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 39.73 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VX000772.D
Acq: 11 Apr 2018 12:32

Tgt Ion: 95 Resp: 214008
Ion Ratio Lower Upper
95 100
174 97.3 0.0 198.4
176 95.4 0.0 194.4

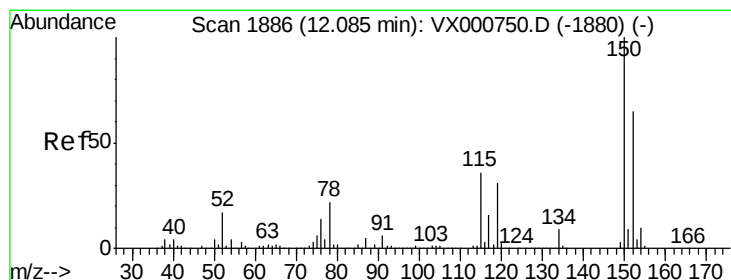
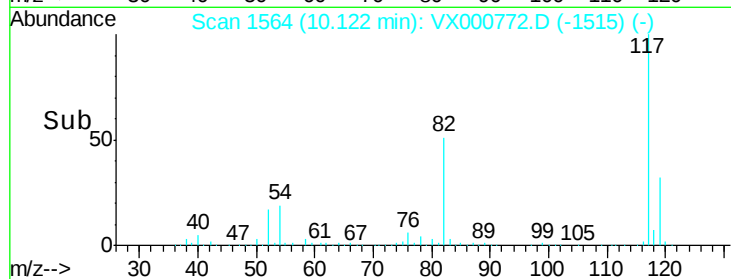
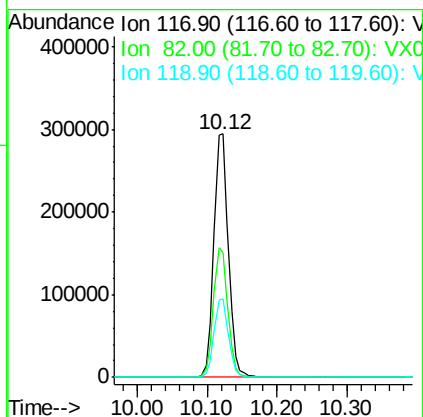
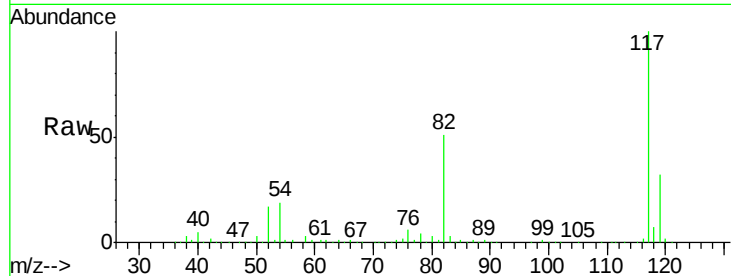




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000772.D
Acq: 11 Apr 2018 12:32

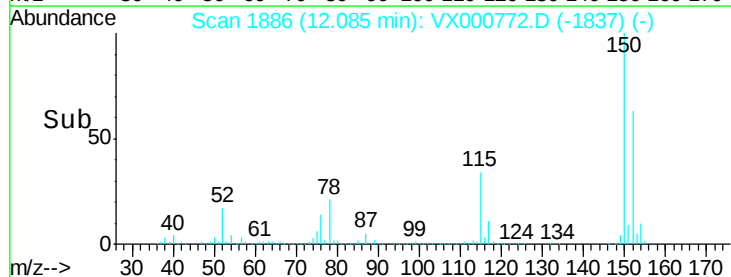
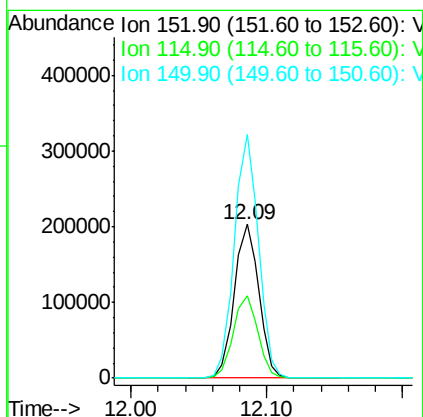
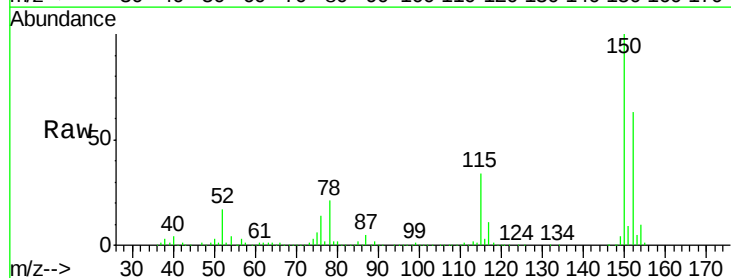
Instrument :
MSVOA_X
ClientSampleId :

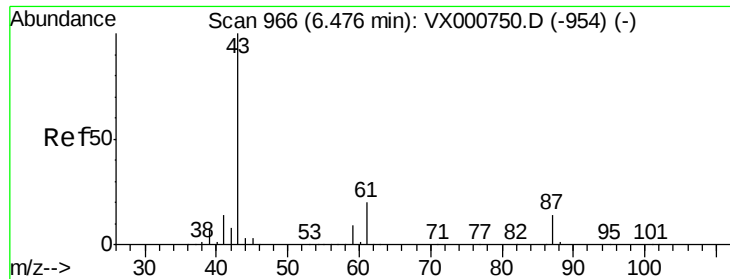
Tot Ion:117 Resp: 425940
Ion Ratio Lower Upper
117 100
82 51.0 41.9 62.9
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000772.D
Acq: 11 Apr 2018 12:32

Tgt Ion:152 Resp: 253971
Ion Ratio Lower Upper
152 100
115 53.7 37.9 113.7
150 156.2 0.0 348.0





#74

N-amvl acetate

Concen: 0.32 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 2345

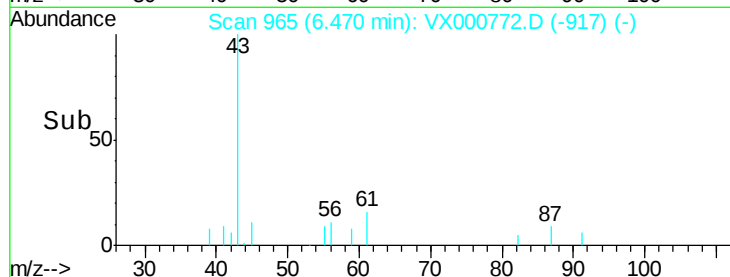
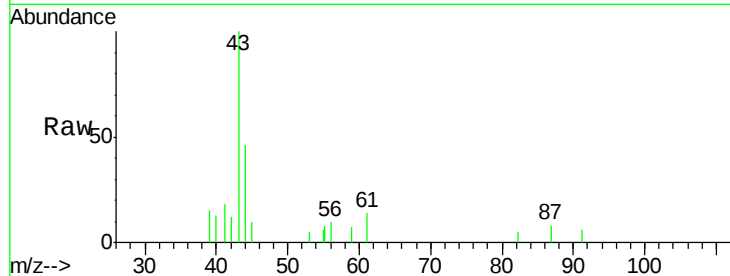
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 2.3 0.0 0.0#

61 22.1 15.6 23.4

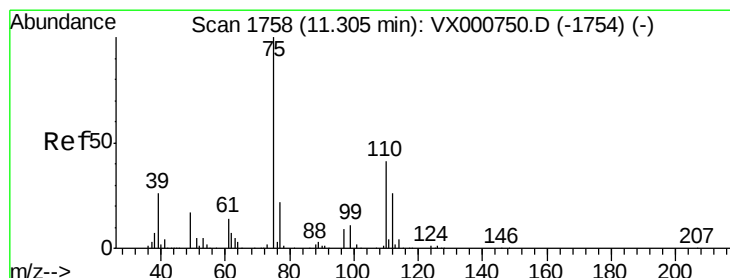
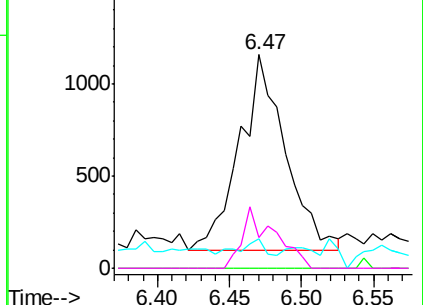


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000772.D

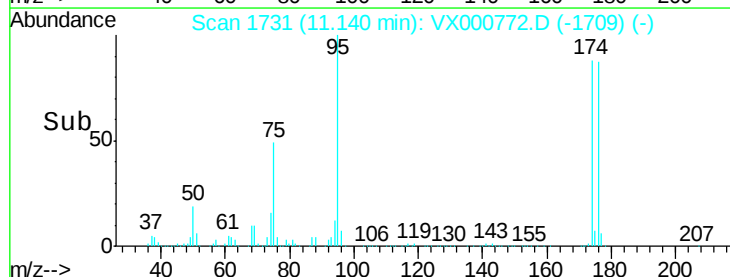
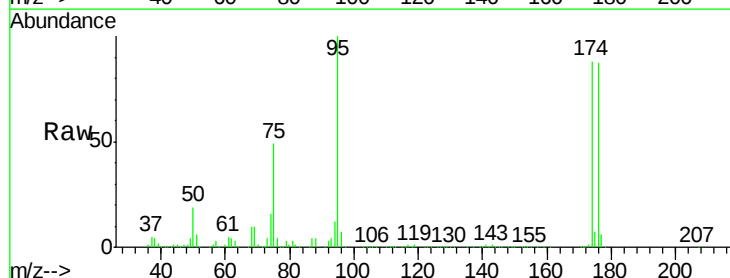
Acq: 11 Apr 2018 12:32

Tgt Ion: 75 Resp: 104173

Ion Ratio Lower Upper

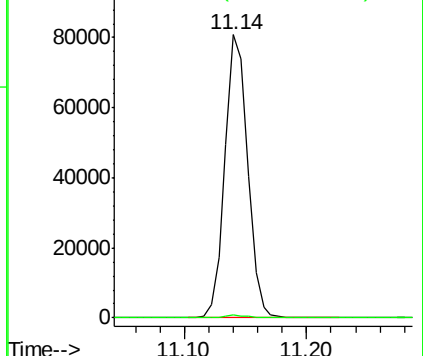
75 100

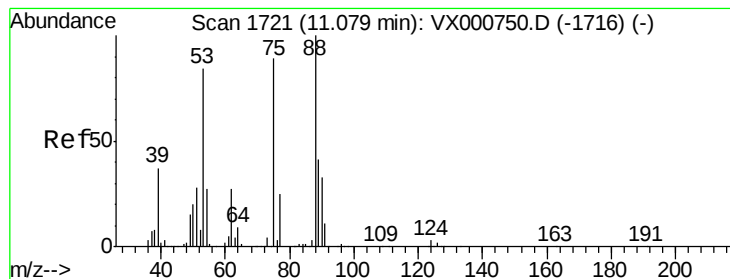
77 1.1 20.5 61.5#



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: 65.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

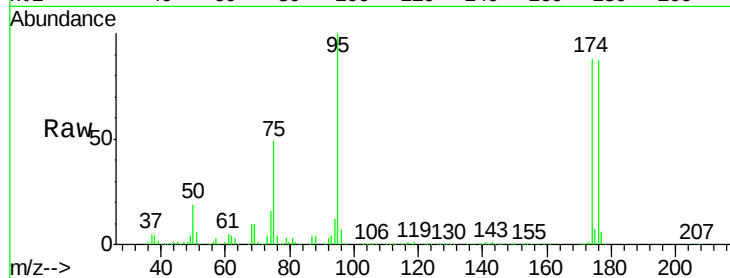
Tot Ion: 75 Resp: 104173

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

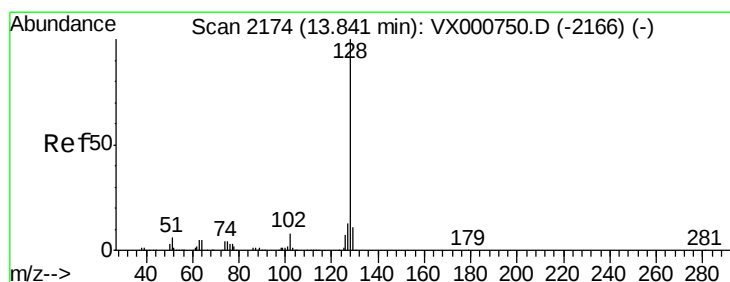
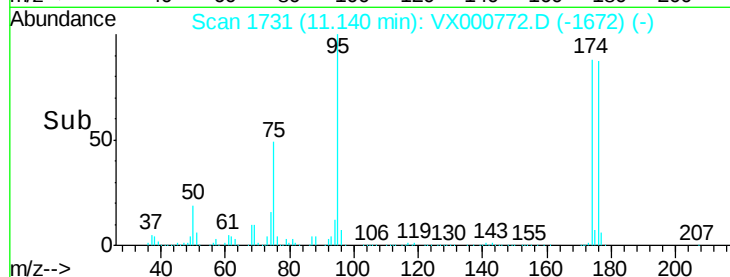
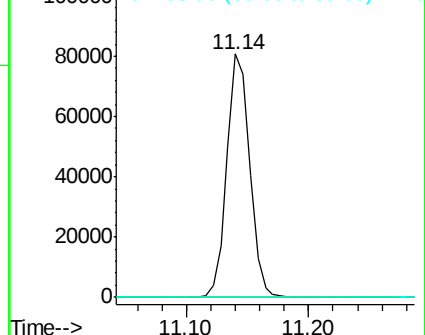
89 0.0 40.9 61.3#



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: 5.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000772.D

Acq: 11 Apr 2018 12:32

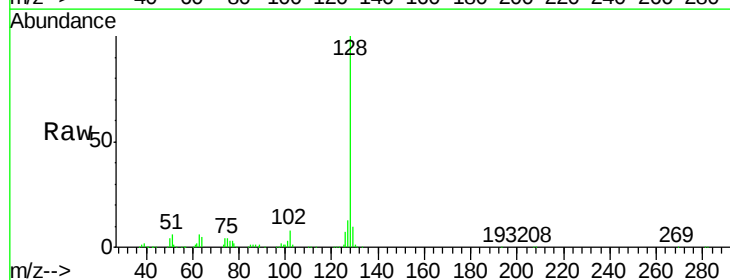
Tgt Ion: 128 Resp: 109991

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.6 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

