

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004711.D
 Acq On : 19 Sep 2018 17:39
 Operator : JC/MD
 Sample : J4973-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-4

Quant Time: Sep 20 04:32:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341466	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178151	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	136590	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
35) Dibromofluoromethane	5.50	113	128661	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	
50) Toluene-d8	8.71	98	481827	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
62) 4-Bromofluorobenzene	11.14	95	169723	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

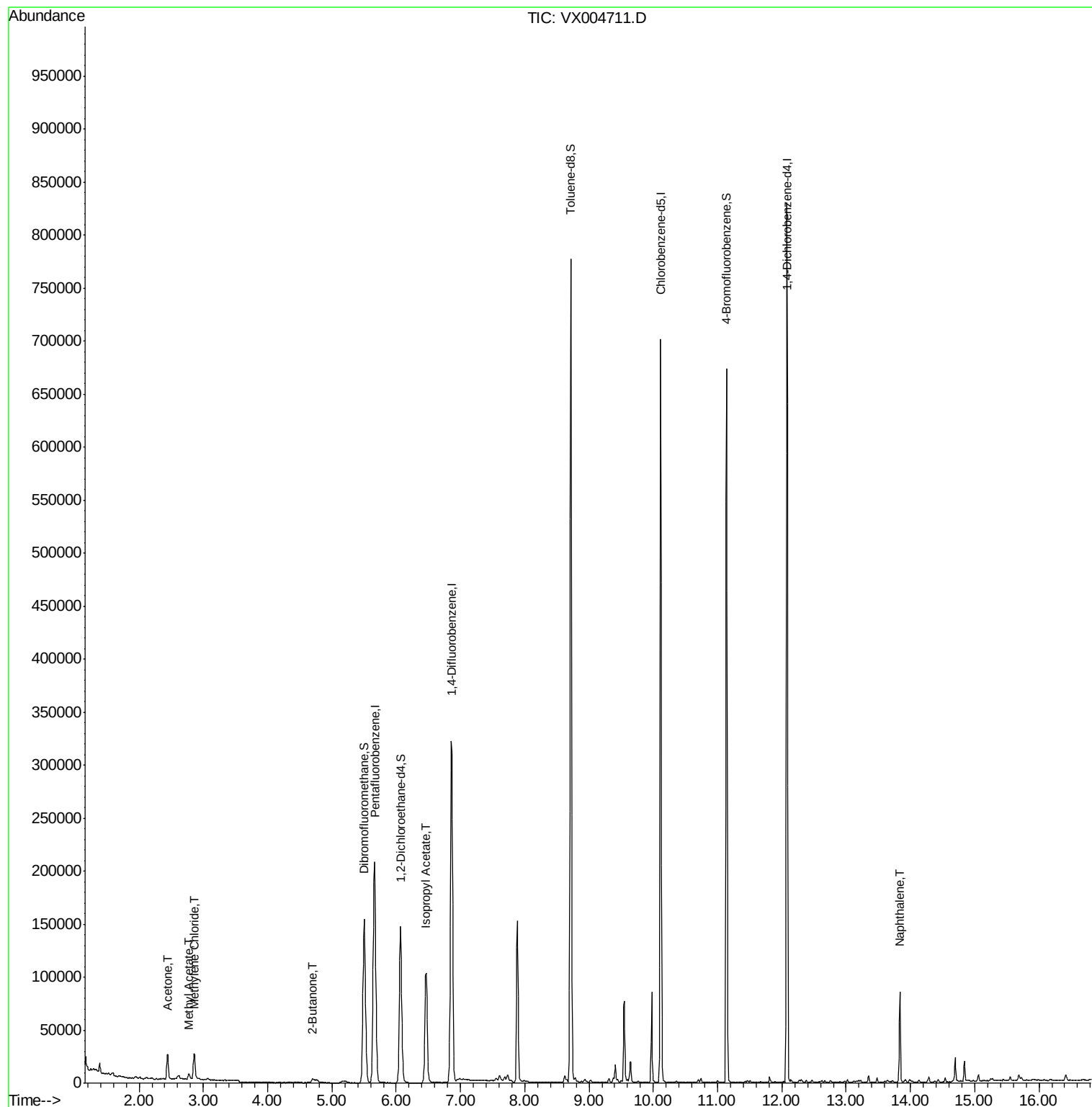
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	24952	17.98	ug/l	99
18) Methyl Acetate	2.78	43	5894	1.51	ug/l	97
20) Methylene Chloride	2.85	84	11649	4.09	ug/l	98
25) 2-Butanone	4.70	43	7608	3.44	ug/l	100
43) Isopropyl Acetate	6.46	43	139858	22.33	ug/l	99
95) Naphthalene	13.83	128	53956	4.44	ug/l	99

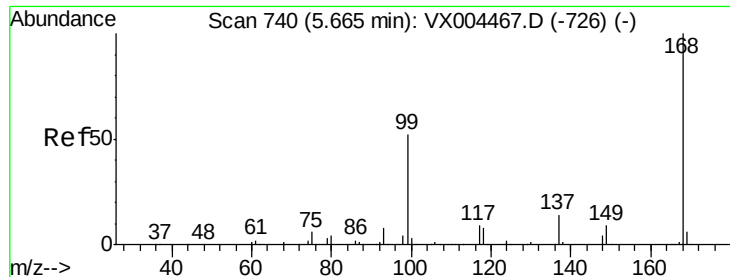
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

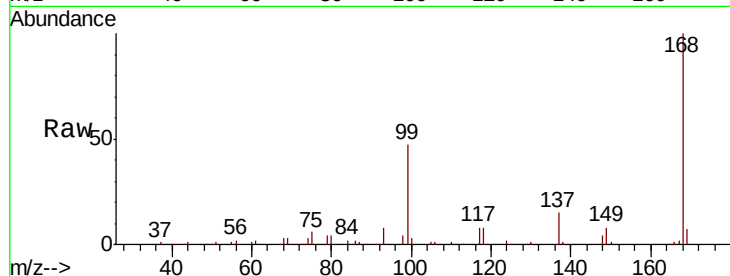
CB-0918-S-TCLP-GRID56-4

Tot Ion:168 Resp: 220529

Ion Ratio Lower Upper

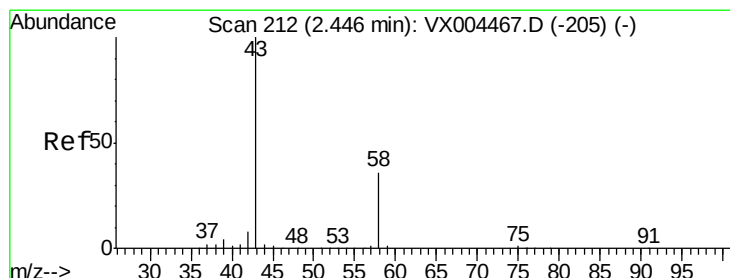
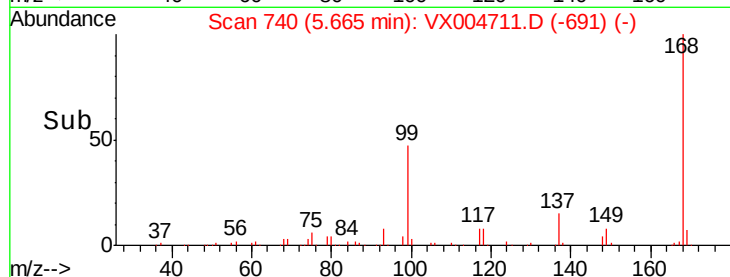
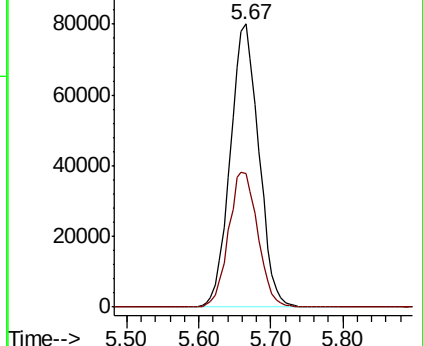
168 100

99 47.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 17.98 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004711.D

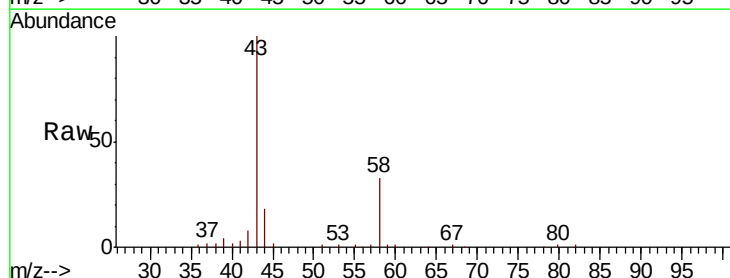
Acq: 19 Sep 2018 17:39

Tgt Ion: 43 Resp: 24952

Ion Ratio Lower Upper

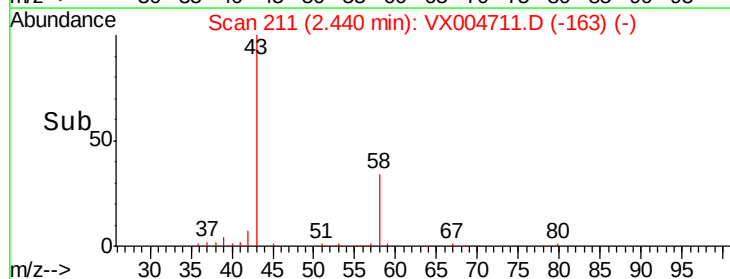
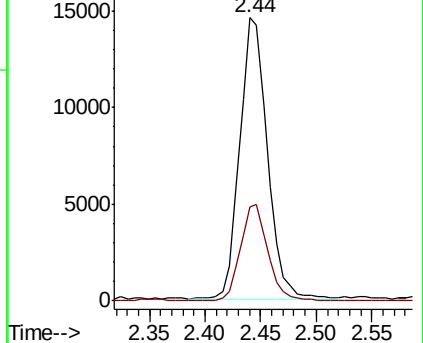
43 100

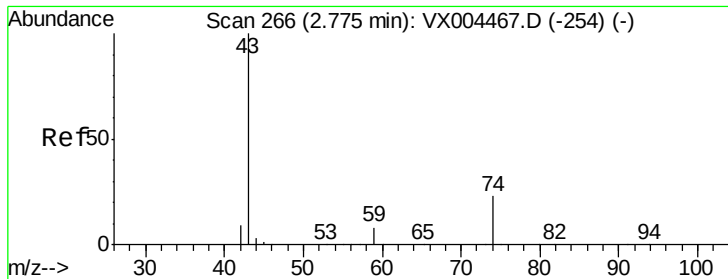
58 33.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 1.51 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

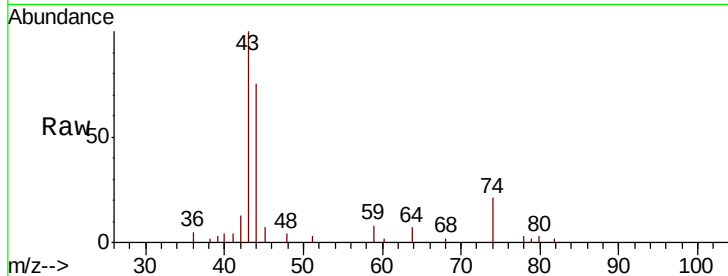
CB-0918-S-TCLP-GRID56-4

Tot Ion: 43 Resp: 5894

Ion Ratio Lower Upper

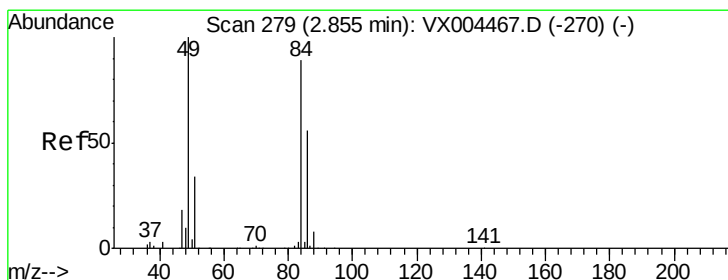
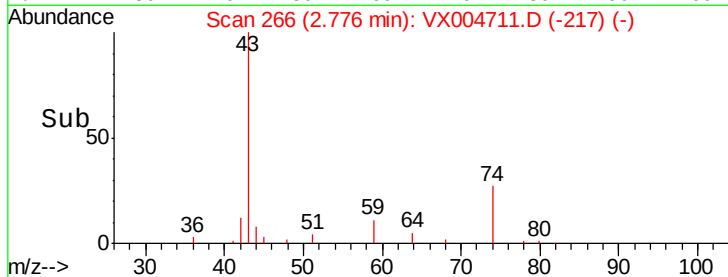
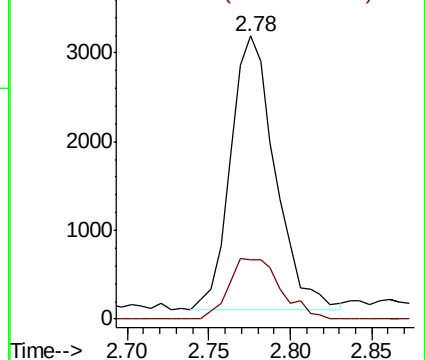
43 100

74 25.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 4.09 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Tgt Ion: 84 Resp: 11649

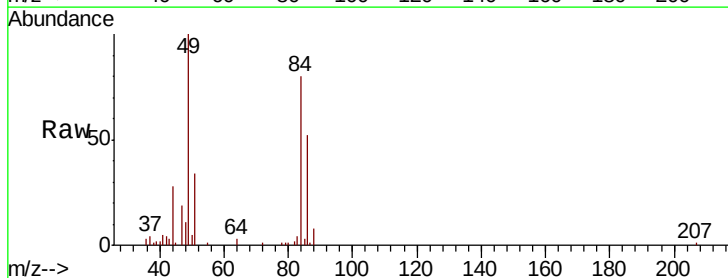
Ion Ratio Lower Upper

84 100

49 125.1 101.2 151.8

51 42.2 29.5 44.3

86 64.9 52.3 78.5

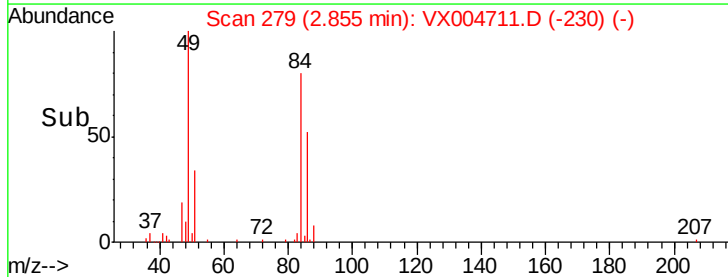
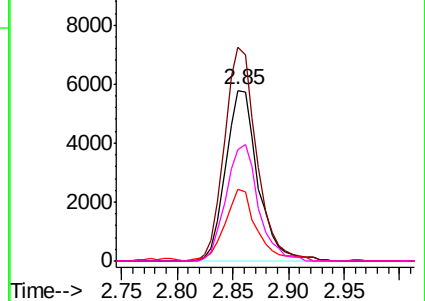


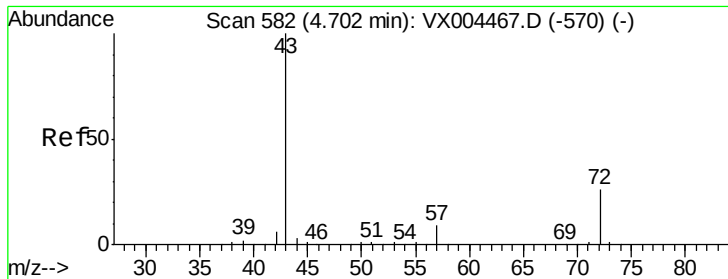
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 3.44 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

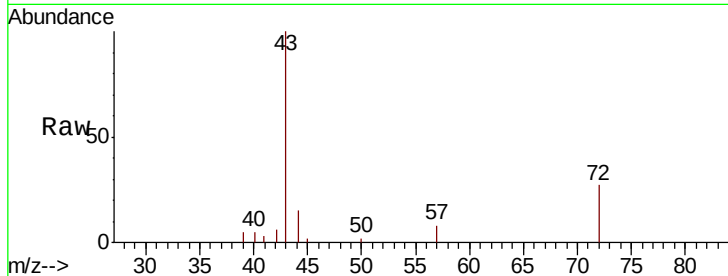
CB-0918-S-TCLP-GRID56-4

Tot Ion: 43 Resp: 7608

Ion Ratio Lower Upper

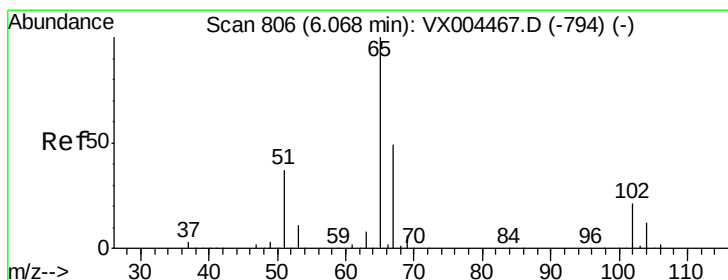
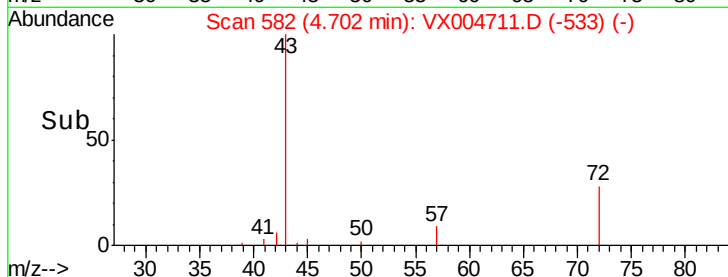
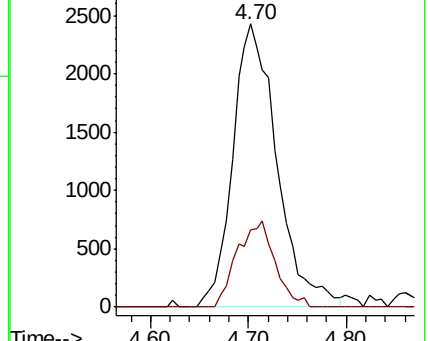
43 100

72 27.3 22.0 33.0



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: 48.04 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004711.D

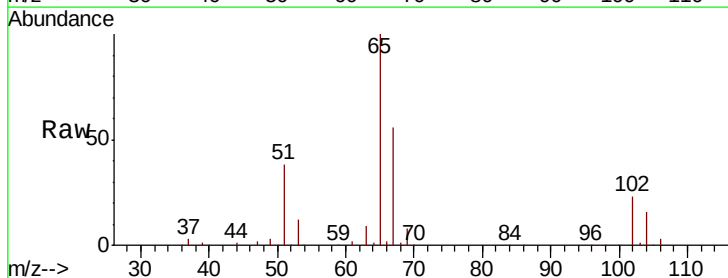
Acq: 19 Sep 2018 17:39

Tgt Ion: 65 Resp: 136590

Ion Ratio Lower Upper

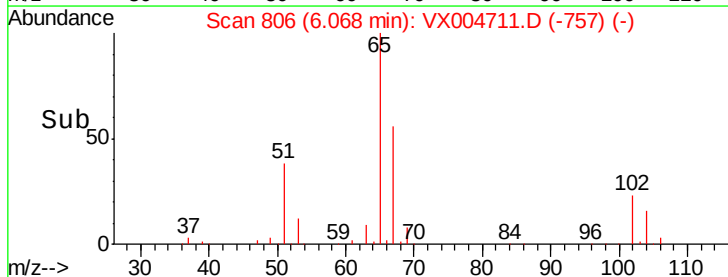
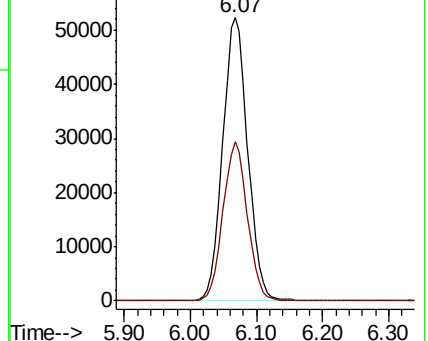
65 100

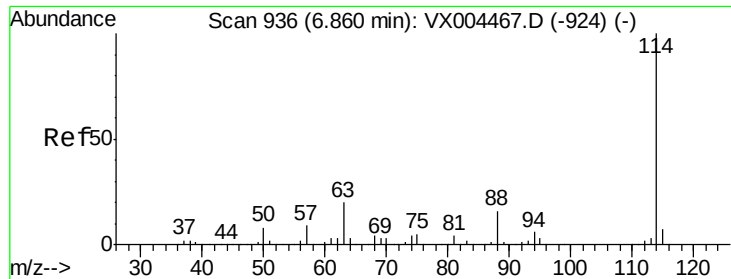
67 54.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

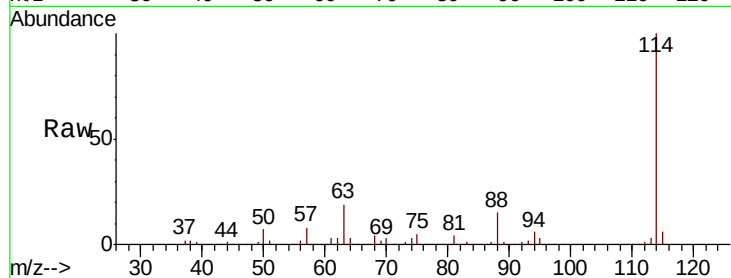




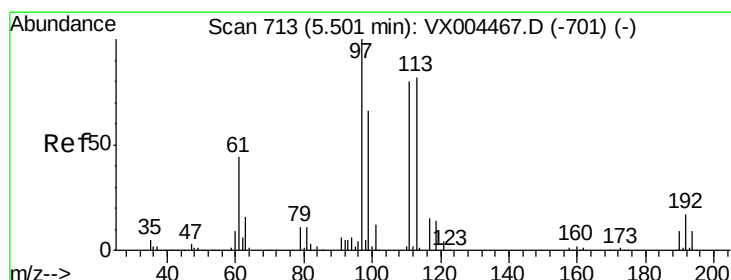
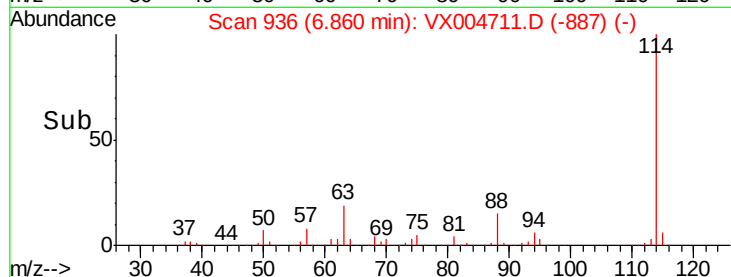
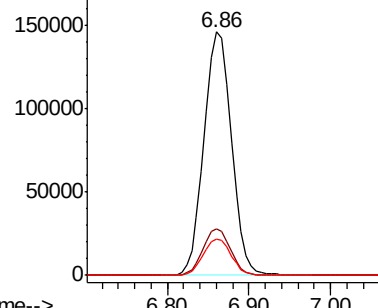
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004711.D
 Acq: 19 Sep 2018 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0918-S-TCLP-GRID56-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.0
88	15.2	0.0	30.4

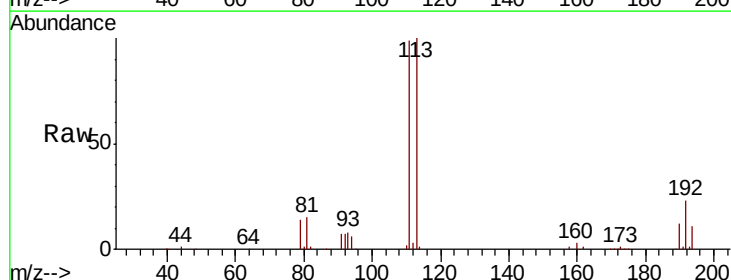


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

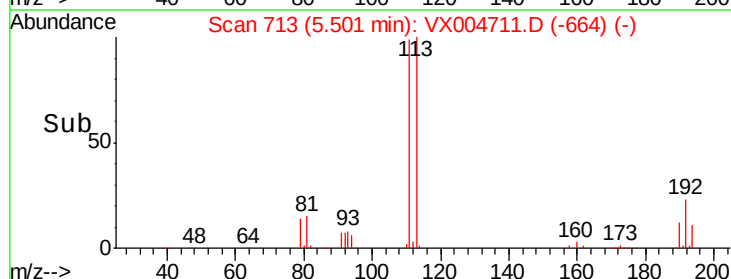
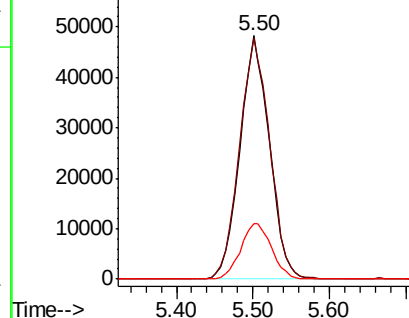


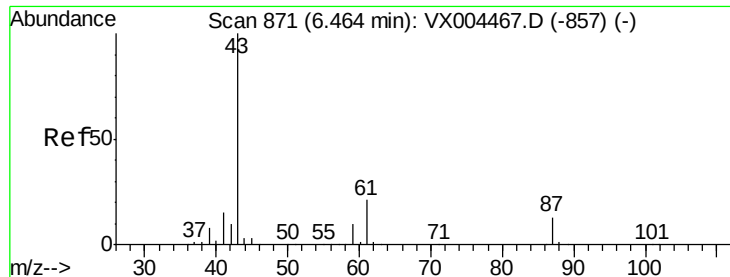
#35
 Dibromofluoromethane
 Concen: 41.18 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004711.D
 Acq: 19 Sep 2018 17:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	24.0	19.4	29.2



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





#43

Isopropyl Acetate

Concen: 22.33 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-4

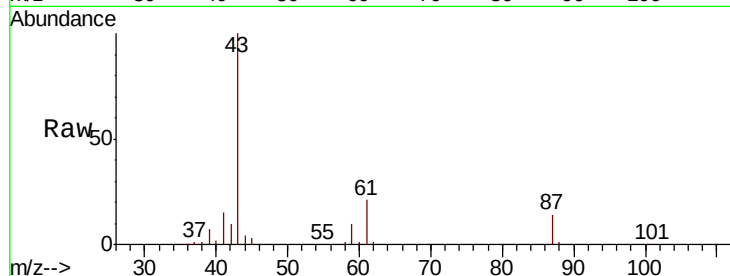
Tot Ion: 43 Resp: 139858

Ion Ratio Lower Upper

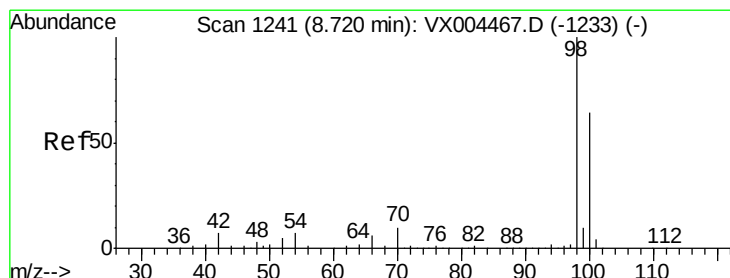
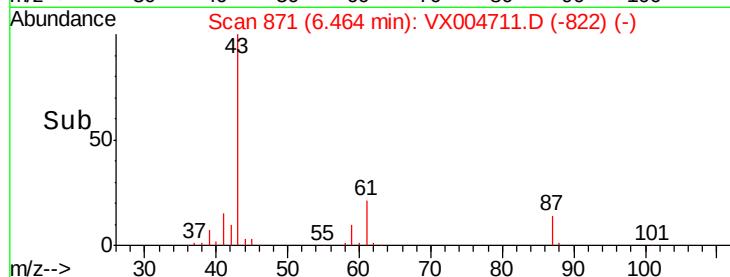
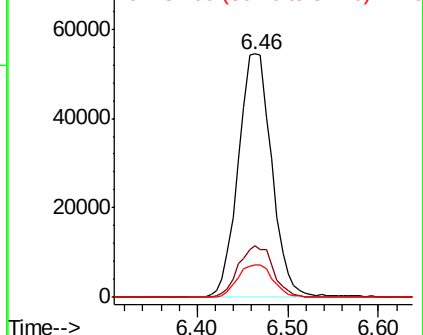
43 100

61 21.9 17.0 25.4

87 14.1 11.4 17.2



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: 45.98 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004711.D

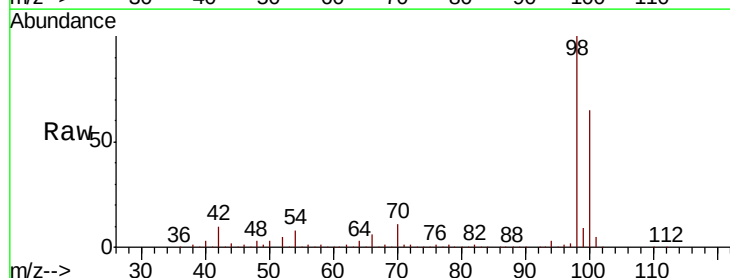
Acq: 19 Sep 2018 17:39

Tgt Ion: 98 Resp: 481827

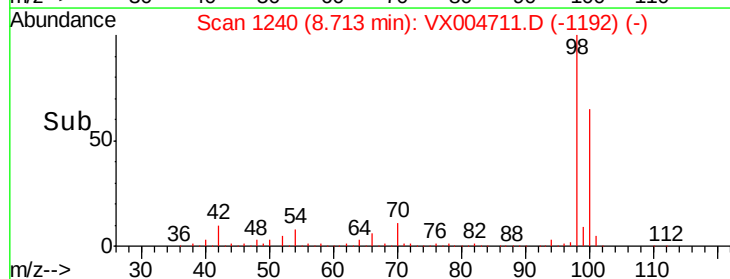
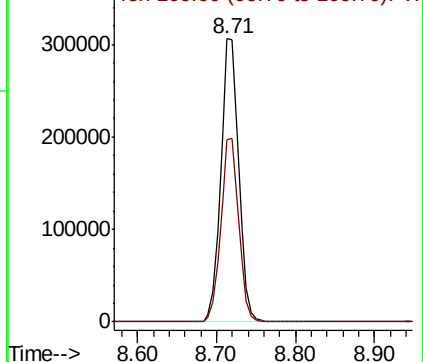
Ion Ratio Lower Upper

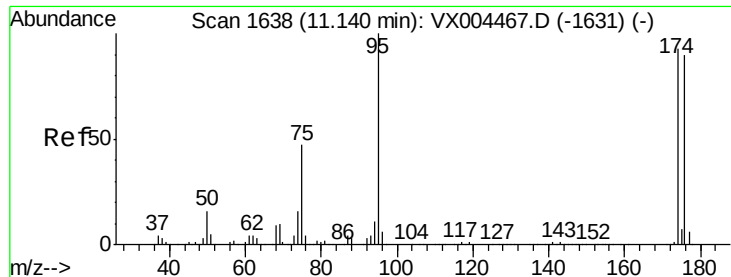
98 100

100 64.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.37 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Instrument :

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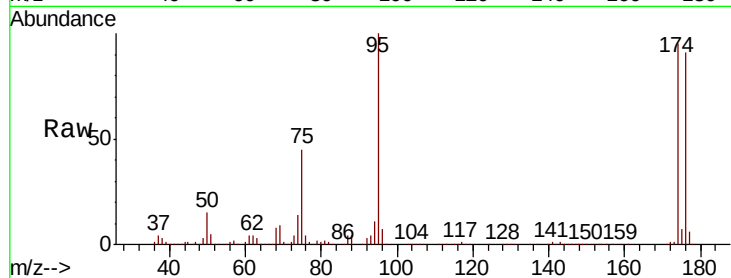
Tot Ion: 95 Resp: 169723

Ion Ratio Lower Upper

95 100

174 95.2 0.0 185.2

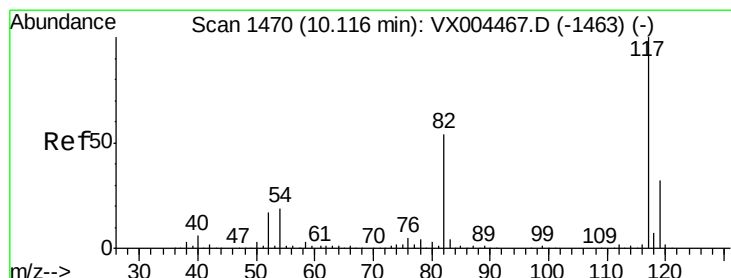
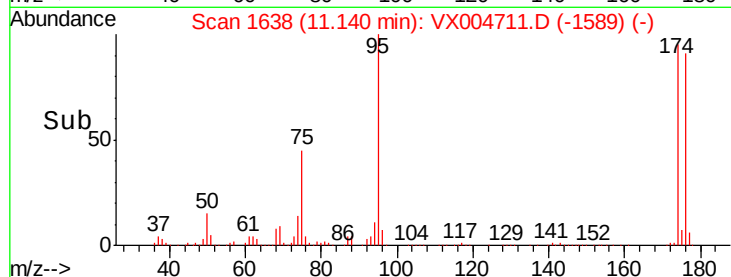
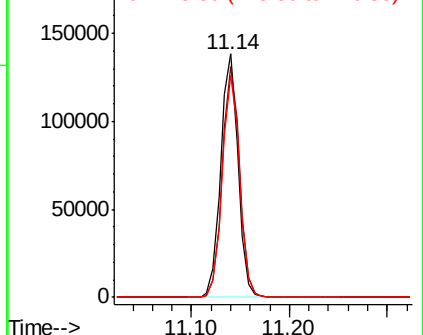
176 91.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004467.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004467.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004467.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

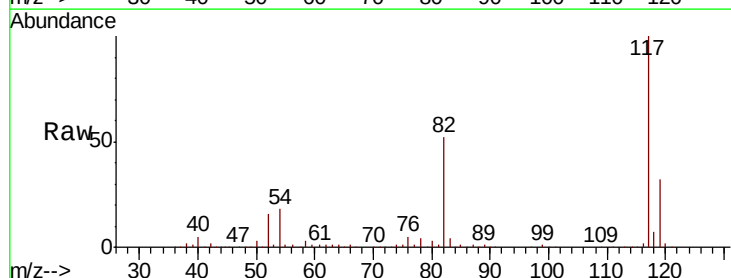
Tgt Ion: 117 Resp: 324502

Ion Ratio Lower Upper

117 100

82 52.0 47.8 71.6

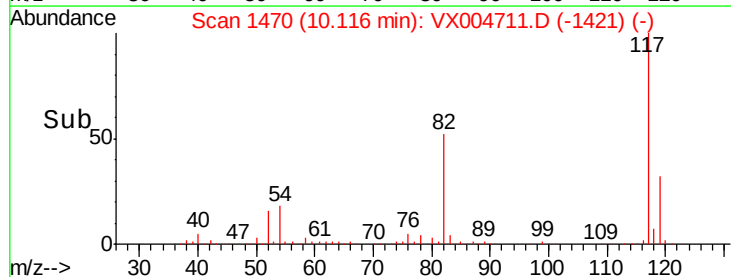
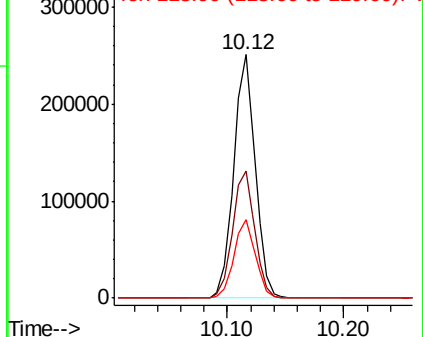
119 32.4 29.3 43.9

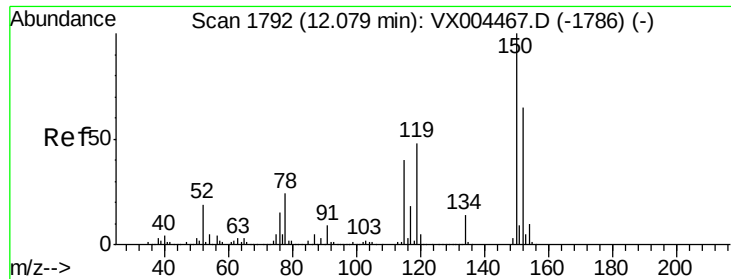


Abundance Ion 116.90 (116.60 to 117.60): VX004467.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004467.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004467.D (-1463) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

Instrument :

MSVOA_X

ClientSampleId :

CB-0918-S-TCLP-GRID56-4

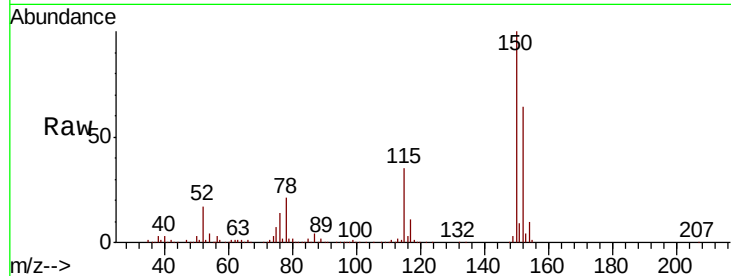
Tot Ion:152 Resp: 178151

Ion Ratio Lower Upper

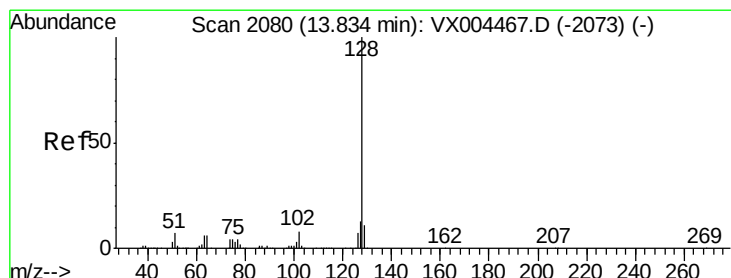
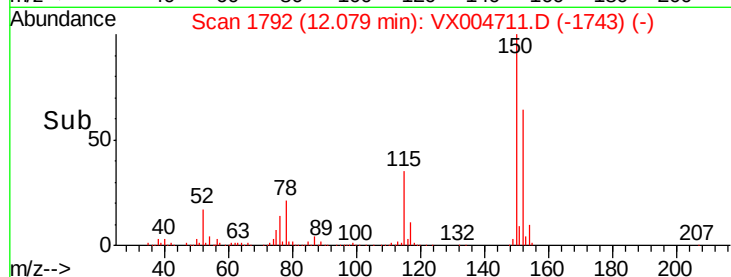
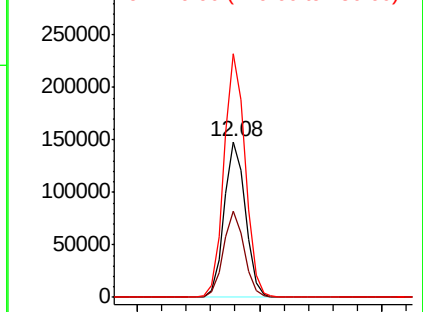
152 100

115 54.3 39.0 117.0

150 156.0 0.0 351.0



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



#95

Naphthalene

Concen: 4.44 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004711.D

Acq: 19 Sep 2018 17:39

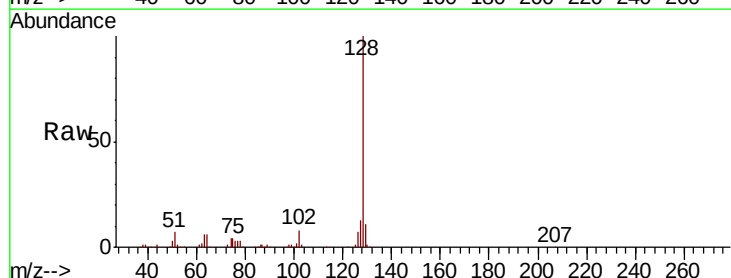
Tgt Ion:128 Resp: 53956

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 10.9 8.6 12.8



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

