

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012123.D
 Acq On : 06 Sep 2019 02:52
 Operator : SY/SP
 Sample : K4618-04
 Misc : 5.60g/5.0mL/MSVOA X/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4-14-16

Quant Time: Sep 11 07:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

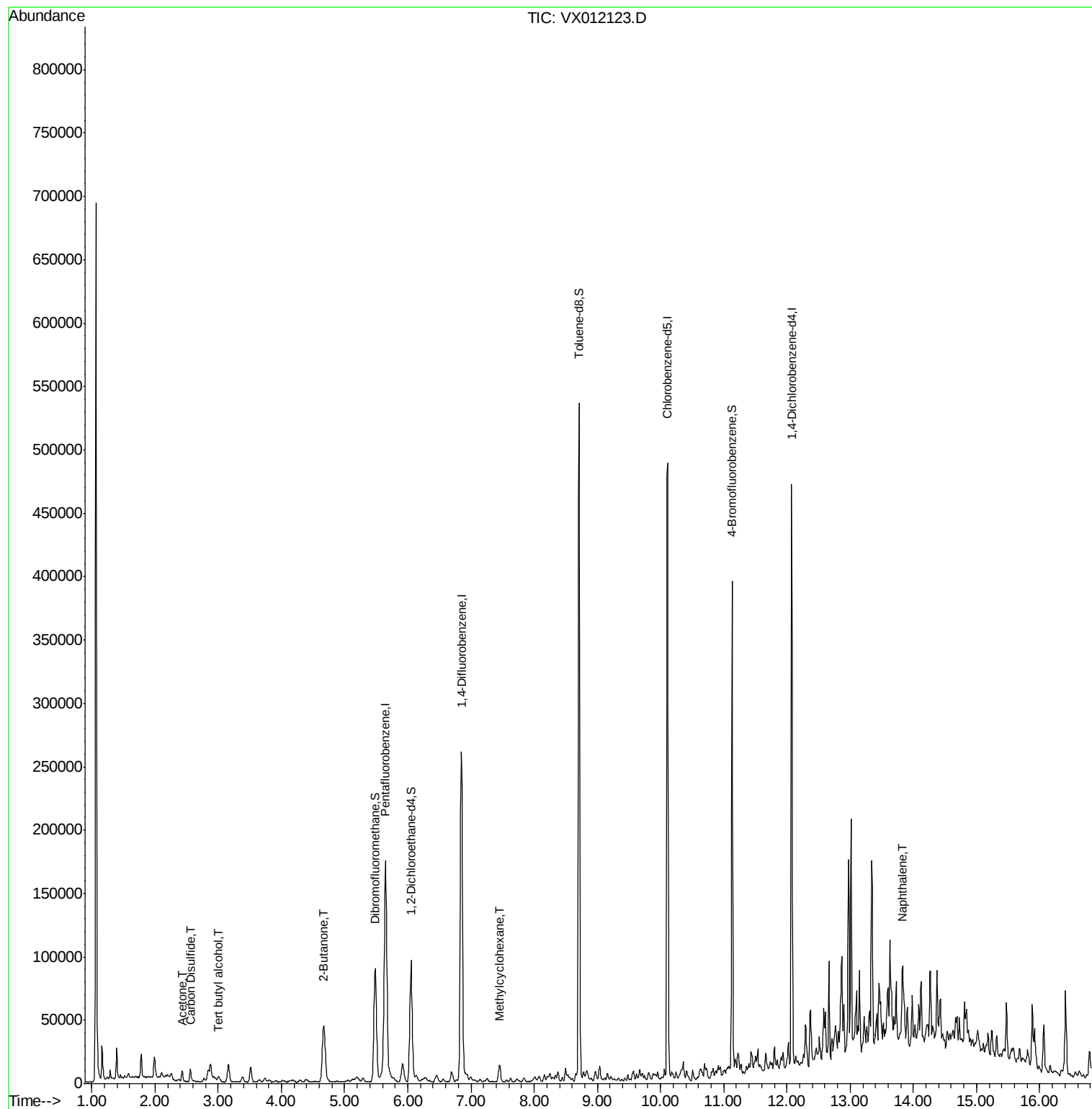
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	145328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	252780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82784	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	97557	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	5.48	113	73846	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.71	98	297397	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.14	95	110923	41.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	3702	19.221	ug/l #	73
16) Acetone	2.43	43	9593	20.015	ug/l	91
17) Carbon Disulfide	2.56	76	12246	2.928	ug/l	100
25) 2-Butanone	4.67	43	6975	11.432	ug/l	93
39) Methylcyclohexane	7.45	83	5386	2.084	ug/l	93
95) Naphthalene	13.83	128	24389	6.458	ug/l #	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

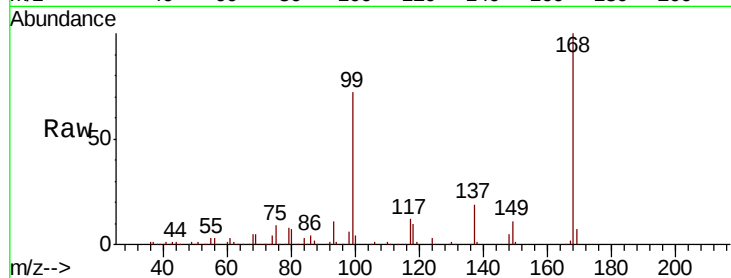
SB-4-14-16

Tot Ion:168 Resp: 145328

Ion Ratio Lower Upper

168 100

99 71.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

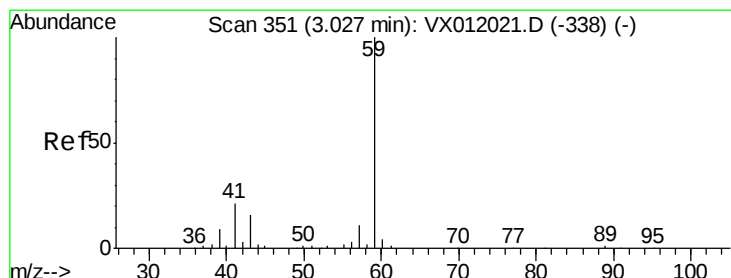
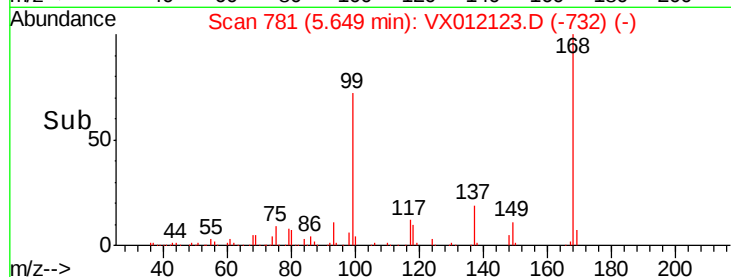
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 19.221 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX012123.D

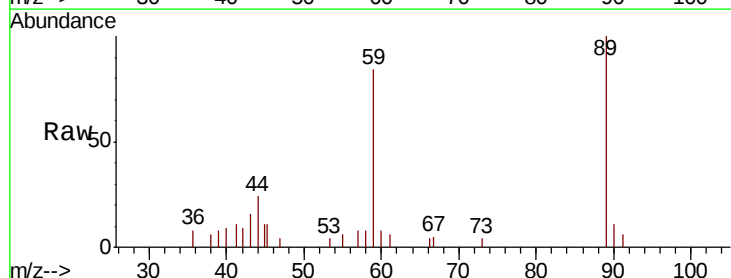
Acq: 06 Sep 2019 02:52

Tgt Ion: 59 Resp: 3702

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1500

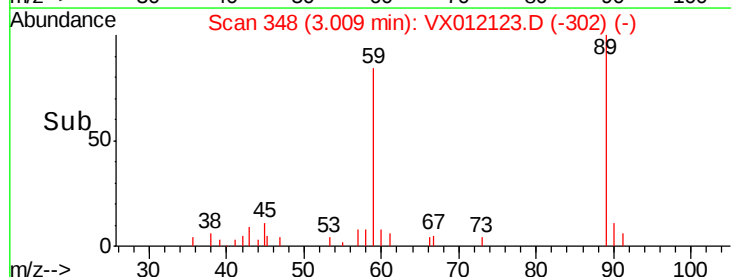
1000

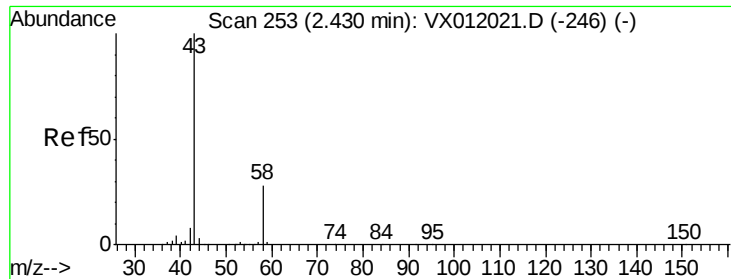
500

0

Time-->

2.90 2.95 3.00 3.05 3.10





#16

Acetone

Concen: 20.015 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

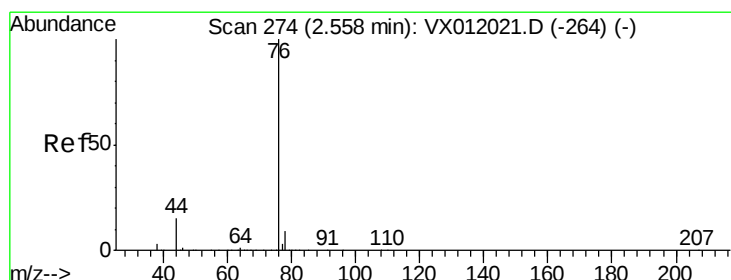
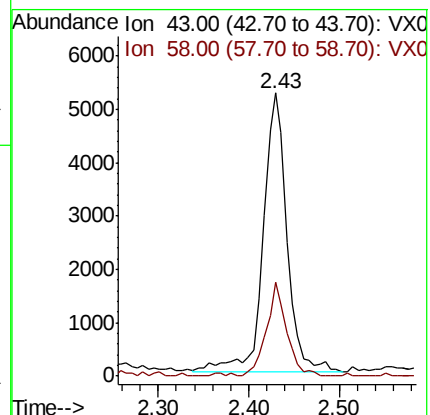
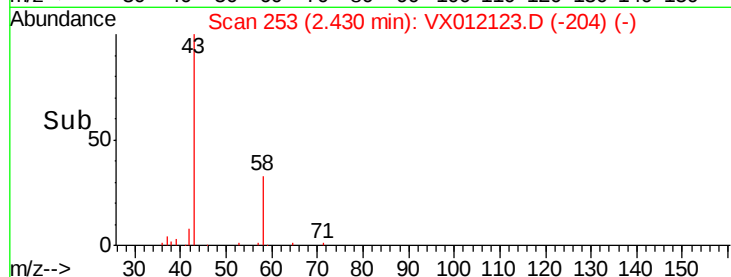
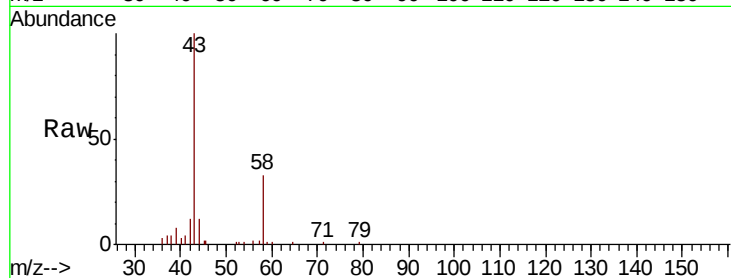
SB-4-14-16

Tot Ion: 43 Resp: 9593

Ion Ratio Lower Upper

43 100

58 33.5 22.8 34.2



#17

Carbon Disulfide

Concen: 2.928 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012123.D

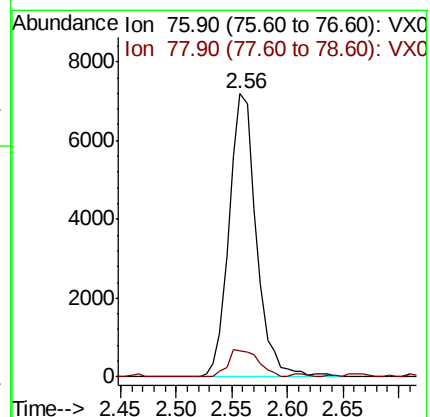
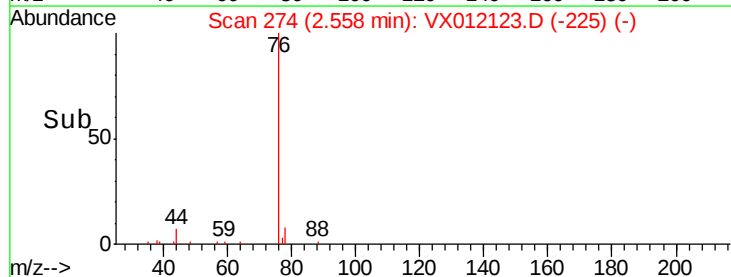
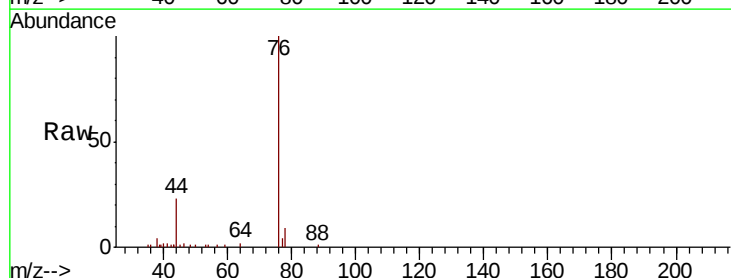
Acq: 06 Sep 2019 02:52

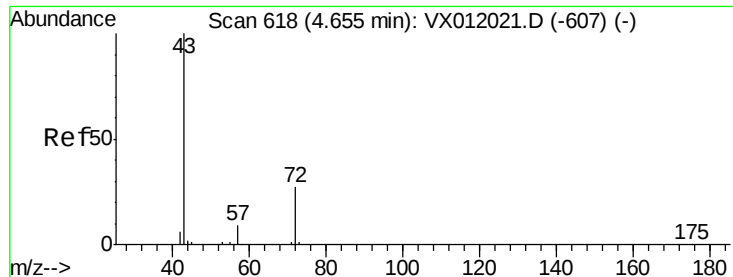
Tgt Ion: 76 Resp: 12246

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#25

2-Butanone

Concen: 11.432 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

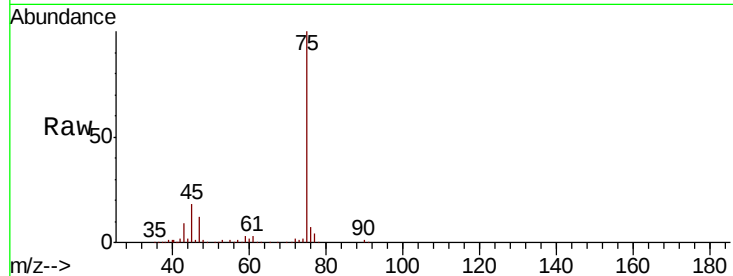
SB-4-14-16

Tot Ion: 43 Resp: 6975

Ion Ratio Lower Upper

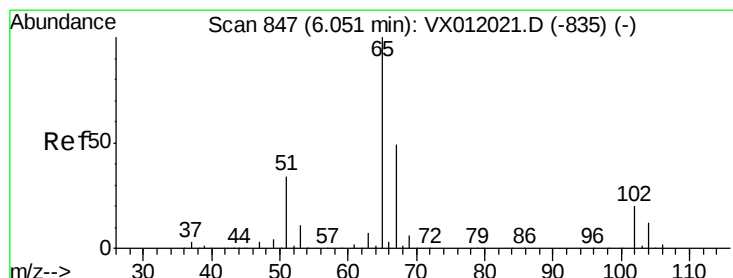
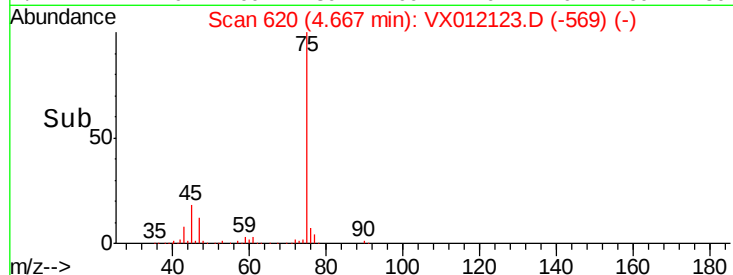
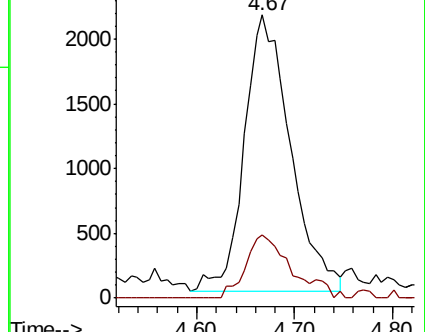
43 100

72 22.9 21.3 31.9



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: 48.651 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012123.D

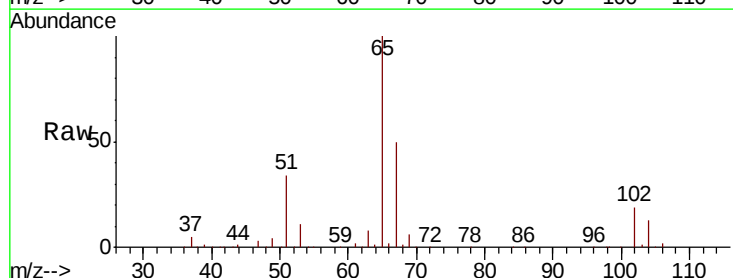
Acq: 06 Sep 2019 02:52

Tgt Ion: 65 Resp: 97557

Ion Ratio Lower Upper

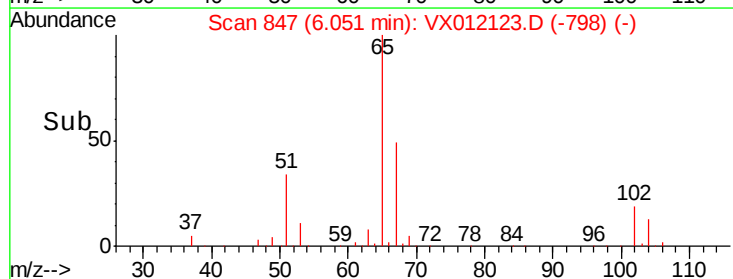
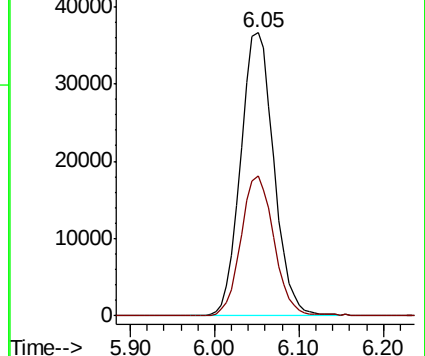
65 100

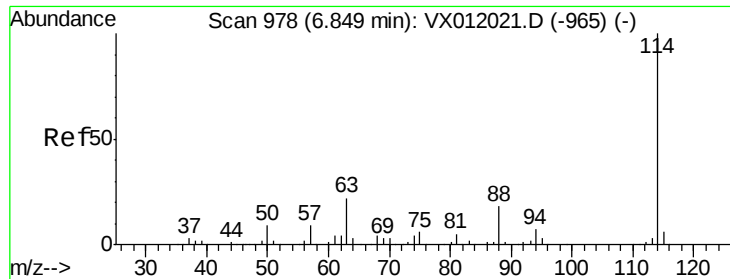
67 48.8 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

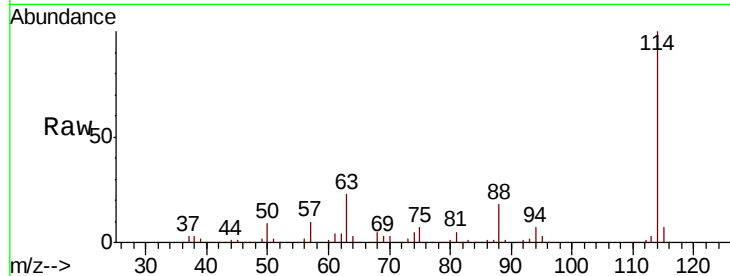




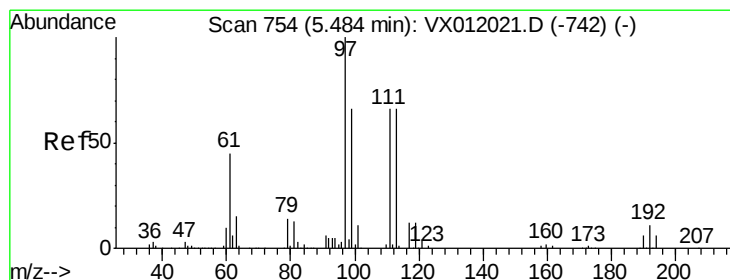
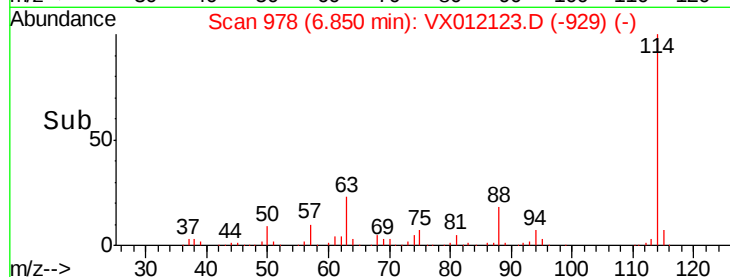
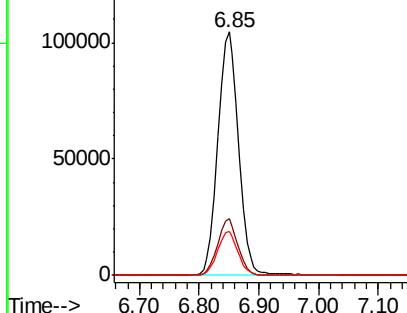
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012123.D
 Acq: 06 Sep 2019 02:52

Instrument :
 MSVOA_X
 ClientSampled :
 SB-4-14-16

Tot Ion:114 Resp: 252780
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 37.4
 88 18.0 0.0 29.6

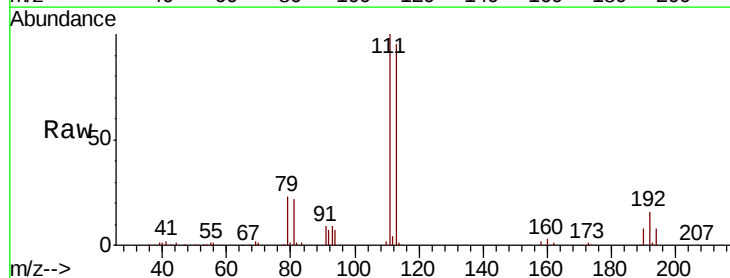


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

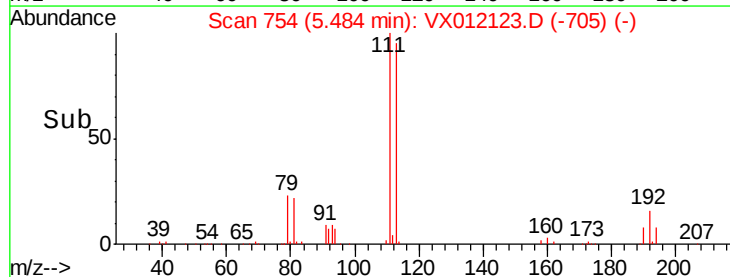
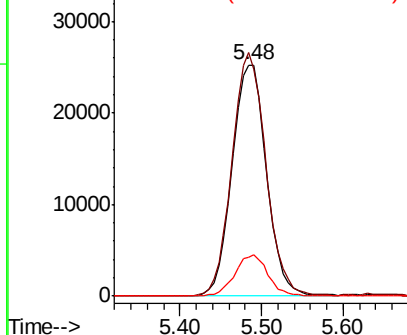


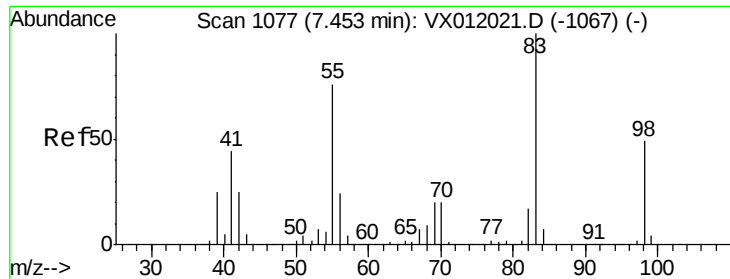
#35
 Dibromofluoromethane
 Concen: 47.504 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012123.D
 Acq: 06 Sep 2019 02:52

Tgt Ion:113 Resp: 73846
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.7 122.5
 192 17.1 22.5 33.7#



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

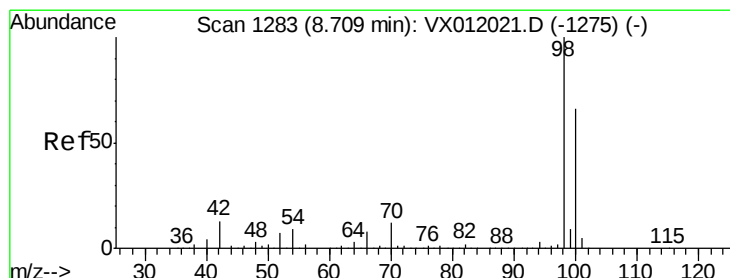
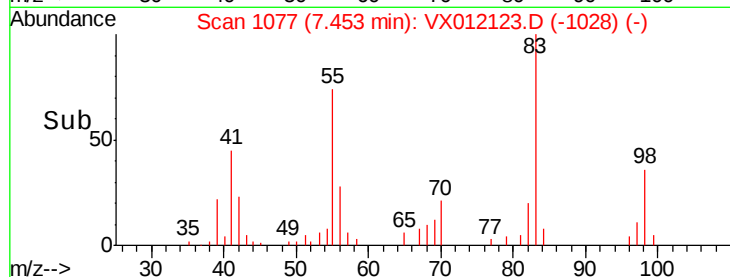
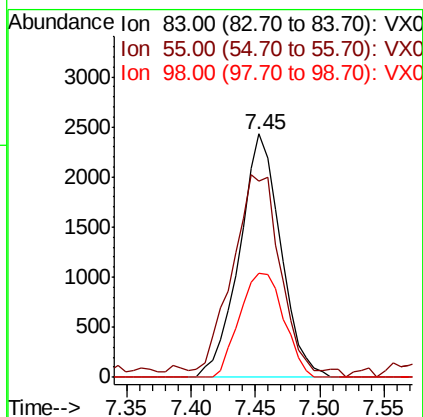
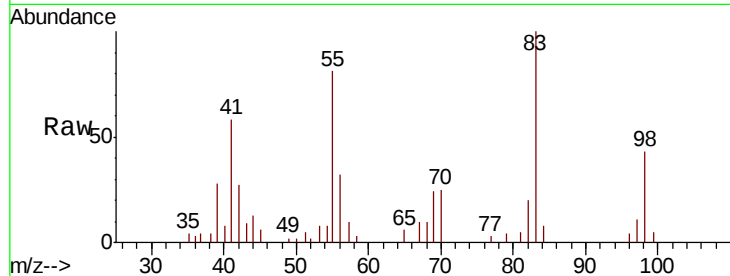




#39
Methvlcvclohexane
Concen: 2.084 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012123.D
Acq: 06 Sep 2019 02:52

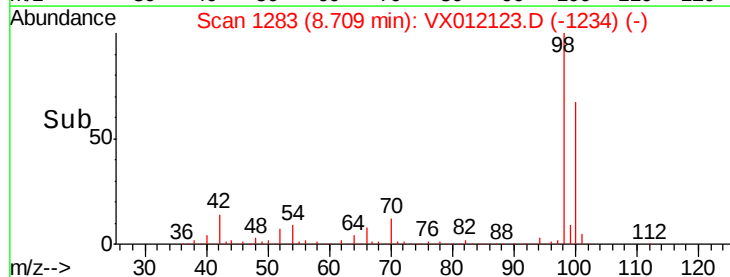
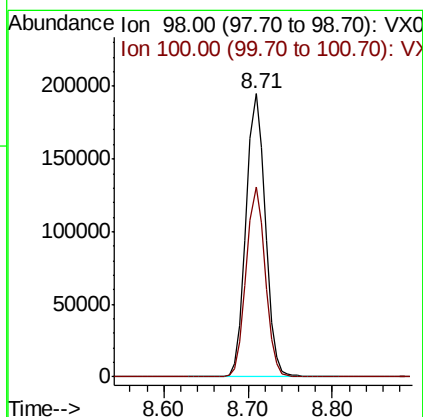
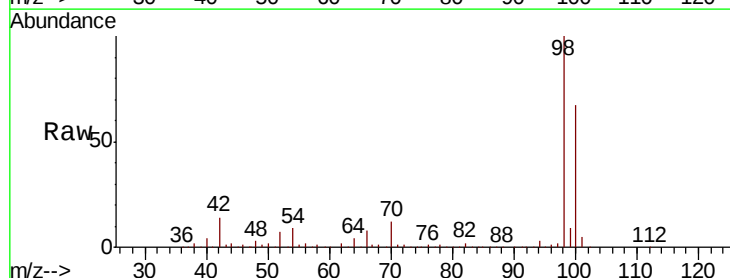
Instrument :
MSVOA_X
ClientSampleId :
SB-4-14-16

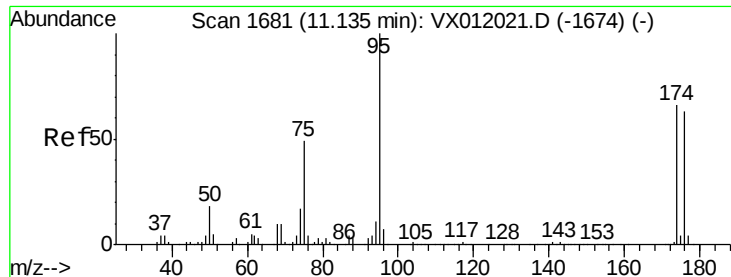
Tot Ion: 83 Resp: 5386
Ion Ratio Lower Upper
83 100
55 77.8 59.6 89.4
98 42.9 41.4 62.0



#50
Toluene-d8
Concen: 52.135 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012123.D
Acq: 06 Sep 2019 02:52

Tgt Ion: 98 Resp: 297397
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 41.812 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampled :

SB-4-14-16

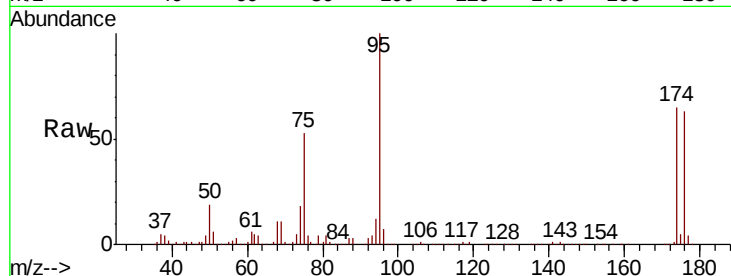
Tot Ion: 95 Resp: 110923

Ion Ratio Lower Upper

95 100

174 61.7 0.0 205.4

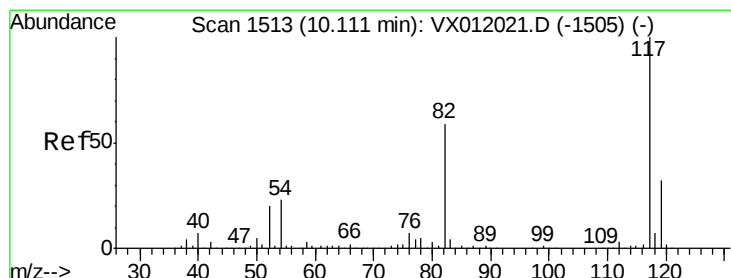
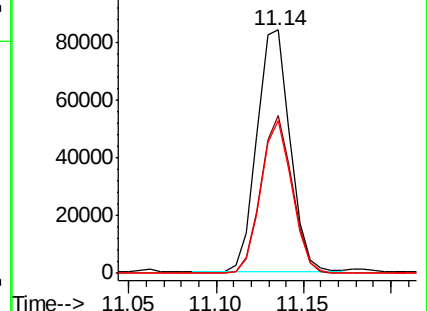
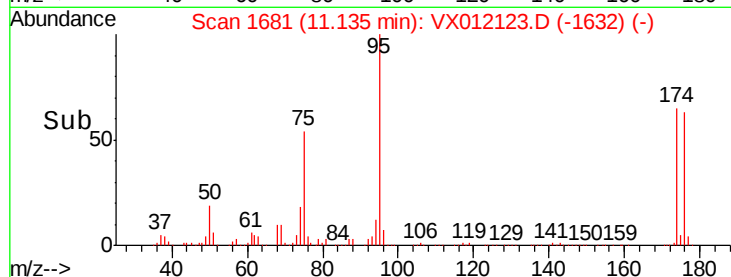
176 59.5 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012123.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012123.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012123.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

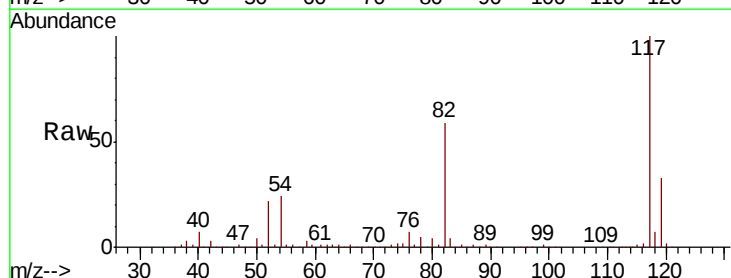
Tgt Ion: 117 Resp: 210825

Ion Ratio Lower Upper

117 100

82 58.8 39.4 59.0

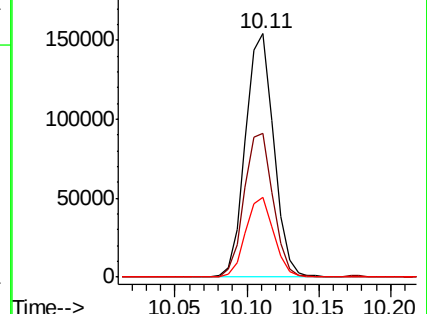
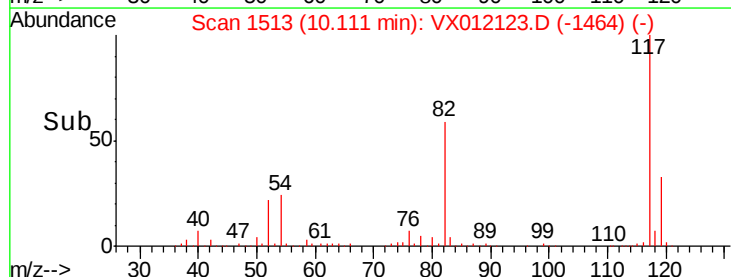
119 32.7 26.1 39.1

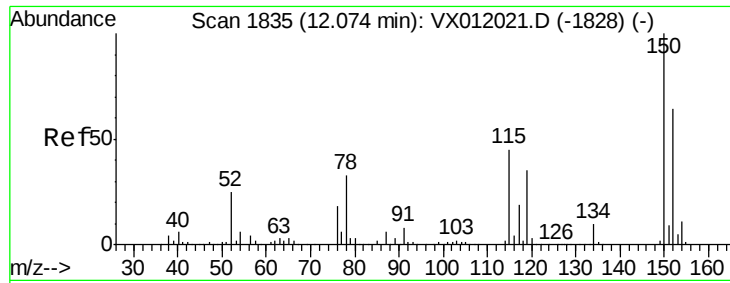


Abundance Ion 116.90 (116.60 to 117.60): VX012123.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012123.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012123.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

Instrument :

MSVOA_X

ClientSampleId :

SB-4-14-16

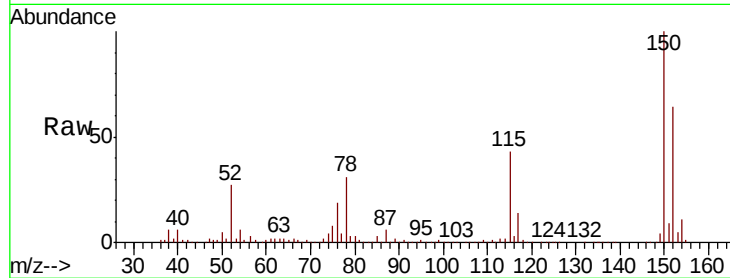
Tot Ion:152 Resp: 82784

Ion Ratio Lower Upper

152 100

115 67.0 36.4 109.3

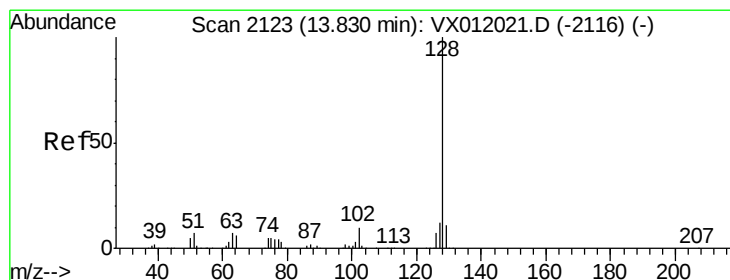
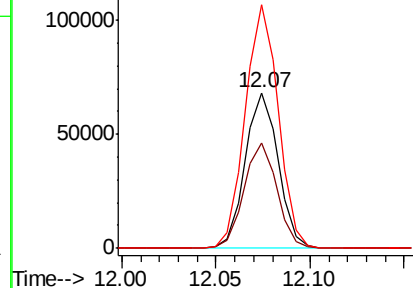
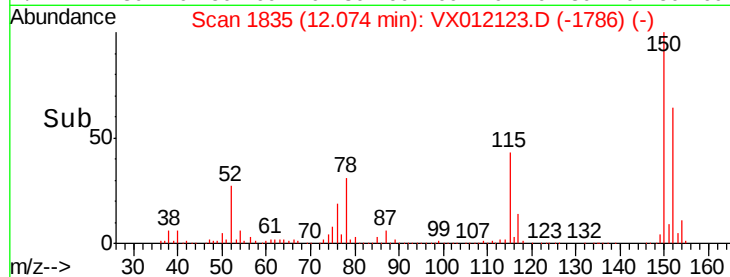
150 156.8 0.0 341.2



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



#95

Naphthalene

Concen: 6.458 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012123.D

Acq: 06 Sep 2019 02:52

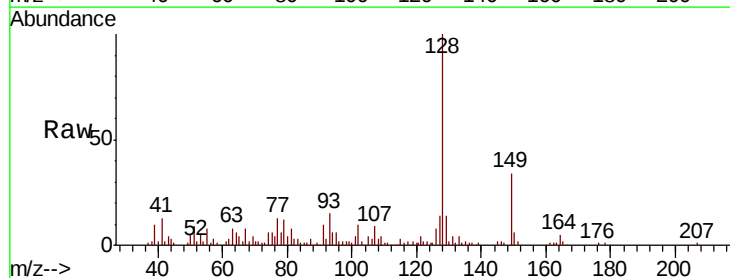
Tgt Ion:128 Resp: 24389

Ion Ratio Lower Upper

128 100

127 15.6 10.5 15.7

129 15.7 8.8 13.2#



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

