

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012031.D
 Acq On : 03 Sep 2019 19:26
 Operator : SY/SP
 Sample : K4525-20
 Misc : 5.14g/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-C-(0)

Quant Time: Sep 04 04:40:57 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

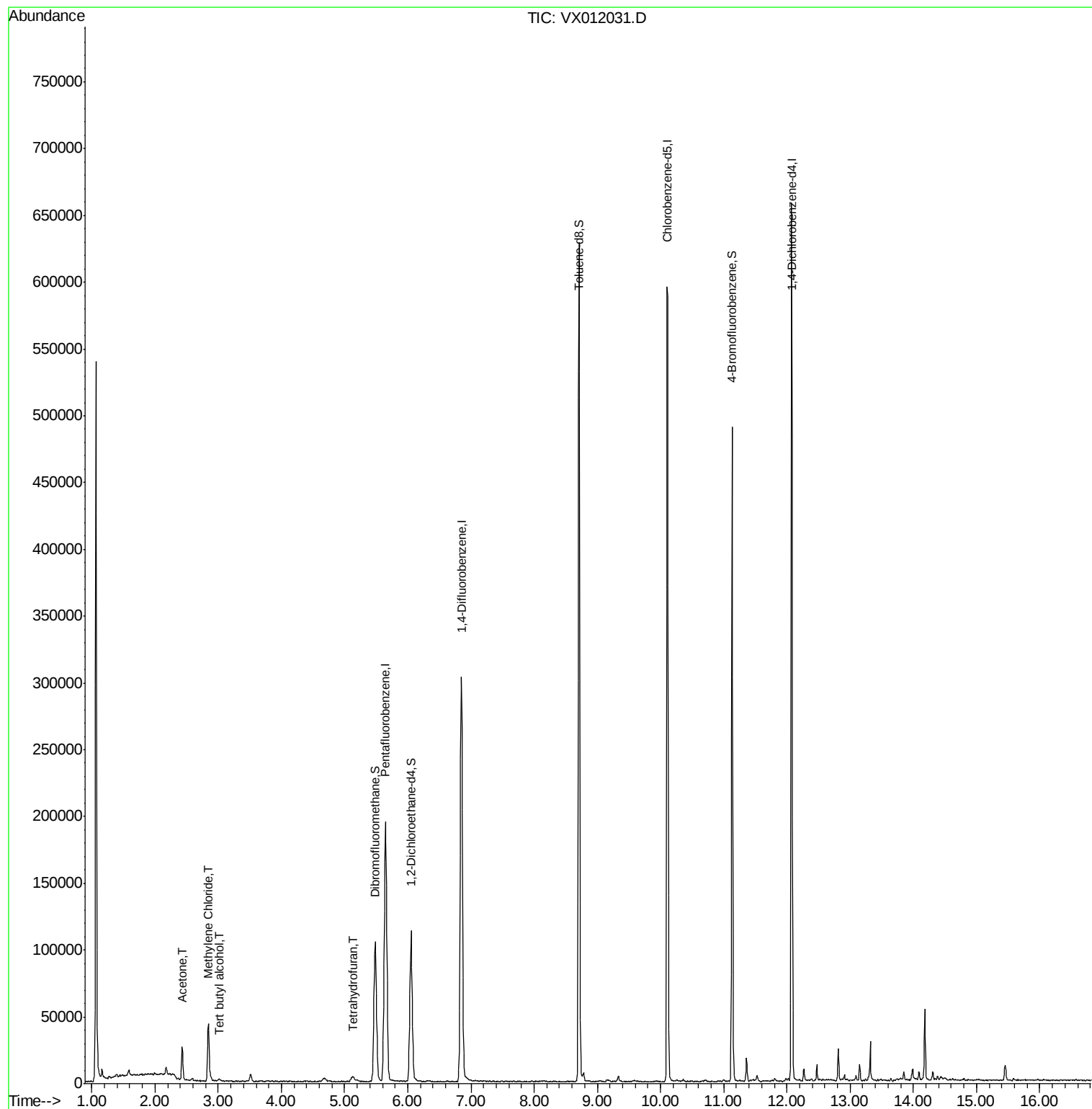
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	111253	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	88256	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	355533	53.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	11.14	95	144723	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.02	59	1602	7.284	ug/l #	60
16) Acetone	2.43	43	26009	47.519	ug/l	99
20) Methylene Chloride	2.84	84	20769	9.449	ug/l	99
29) Tetrahydrofuran	5.13	42	3687	8.783	ug/l #	86

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

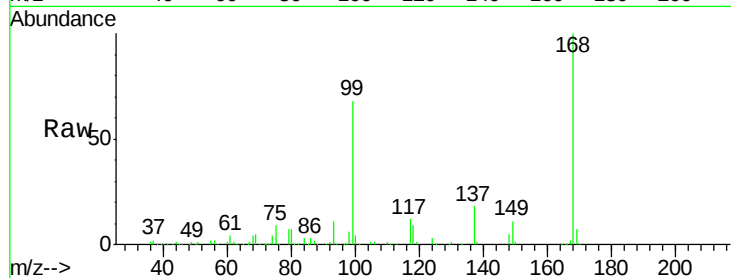
T9-12-13-C-(0)

Tot Ion:168 Resp: 165960

Ion Ratio Lower Upper

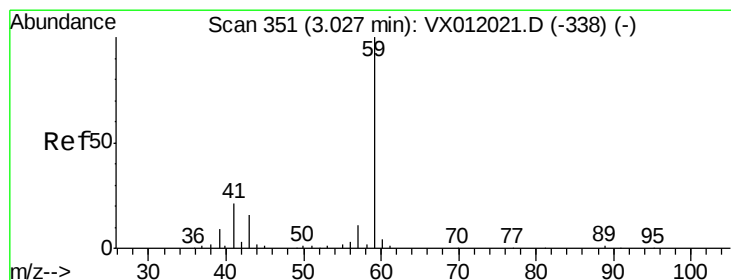
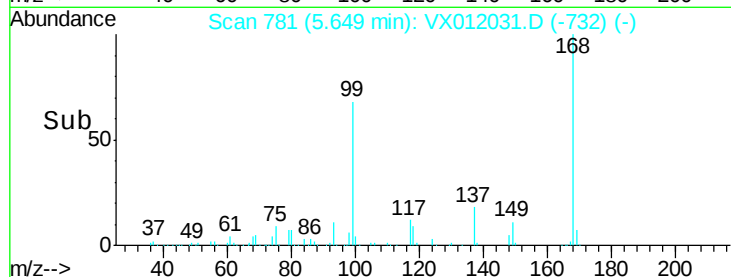
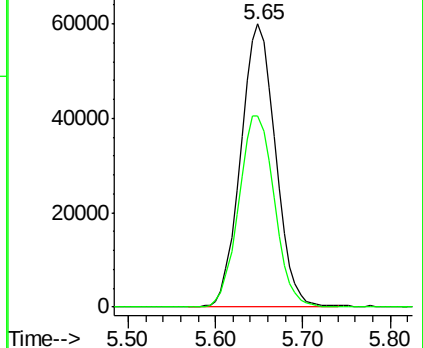
168 100

99 67.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 7.284 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012031.D

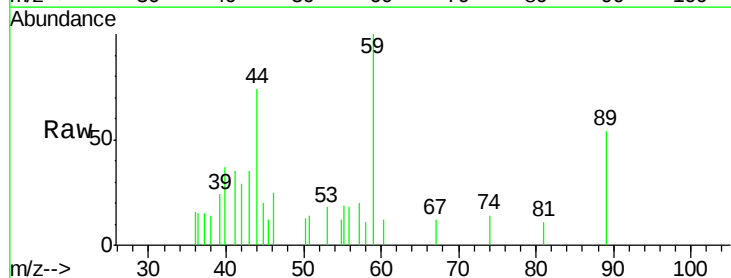
Acq: 03 Sep 2019 19:26

Tgt Ion: 59 Resp: 1602

Ion Ratio Lower Upper

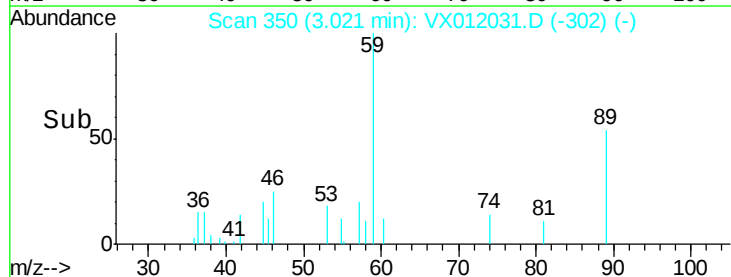
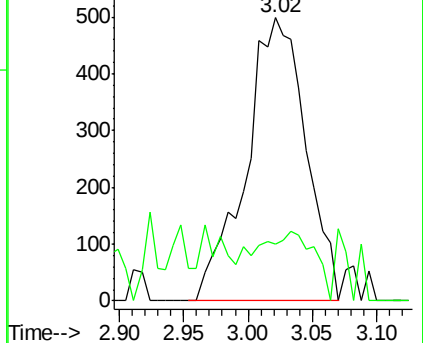
59 100

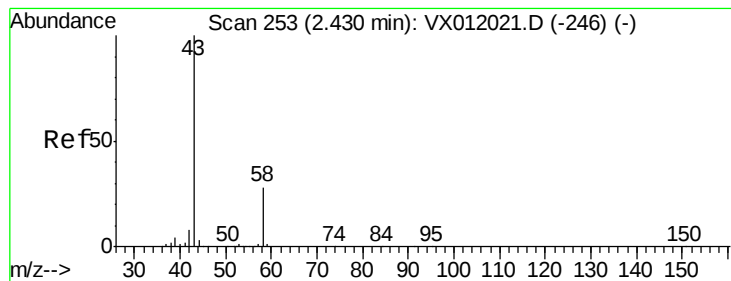
57 24.5 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 47.519 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

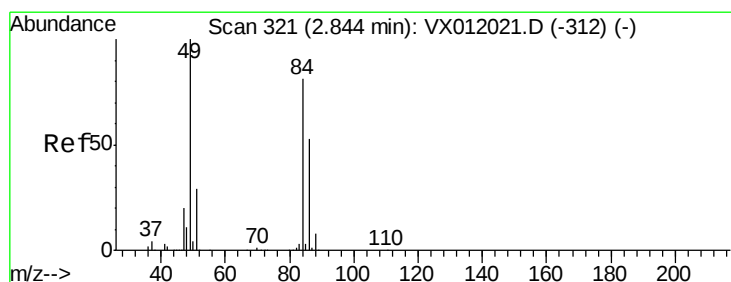
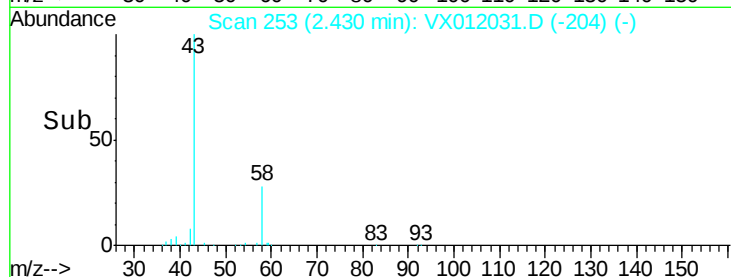
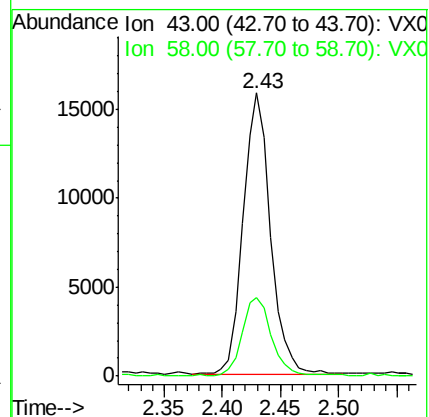
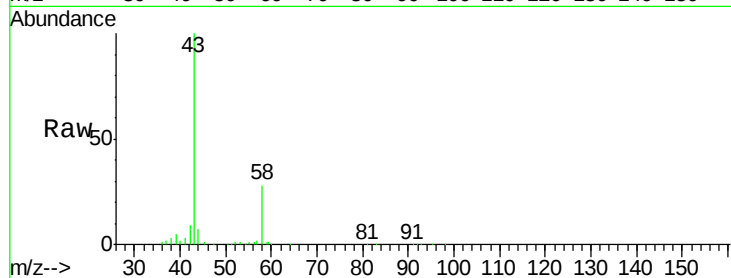
T9-12-13-C-(0)

Tot Ion: 43 Resp: 26009

Ion Ratio Lower Upper

43 100

58 27.8 22.8 34.2



#20

Methylene Chloride

Concen: 9.449 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Tgt Ion: 84 Resp: 20769

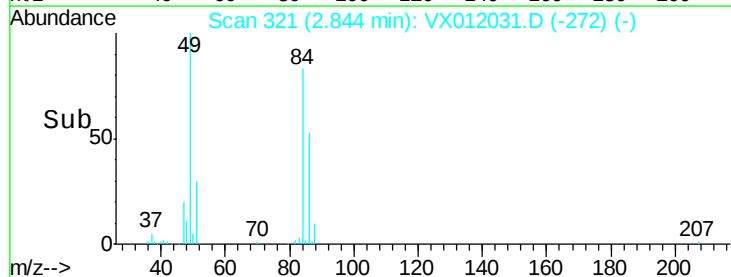
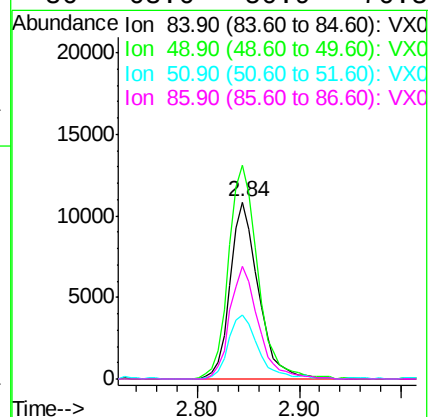
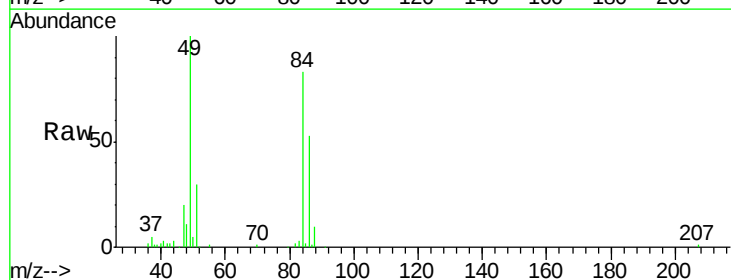
Ion Ratio Lower Upper

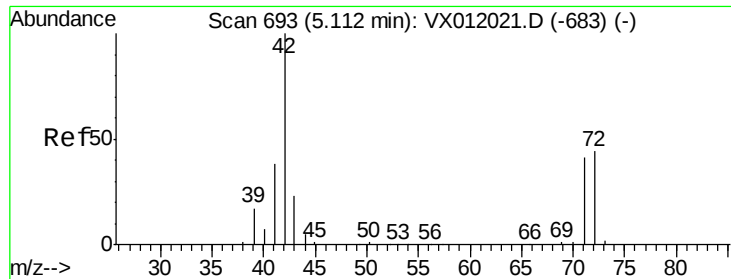
84 100

49 120.6 95.8 143.8

51 36.3 28.6 43.0

86 63.6 50.9 76.3





#29

Tetrahydrofuran

Concen: 8.783 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-C-(0)

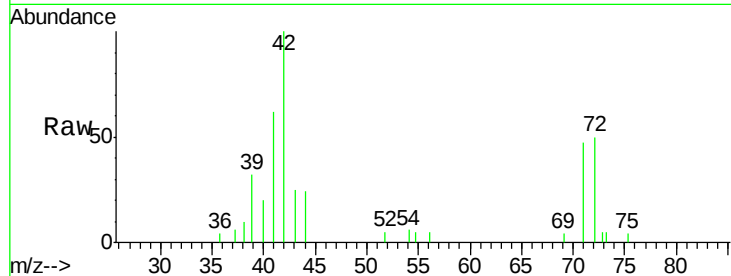
Tot Ion: 42 Resp: 3687

Ion Ratio Lower Upper

42 100

72 51.6 37.0 55.4

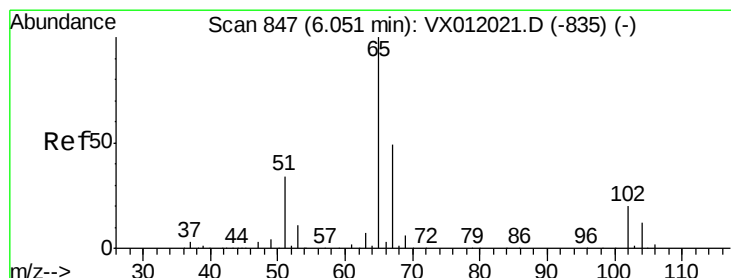
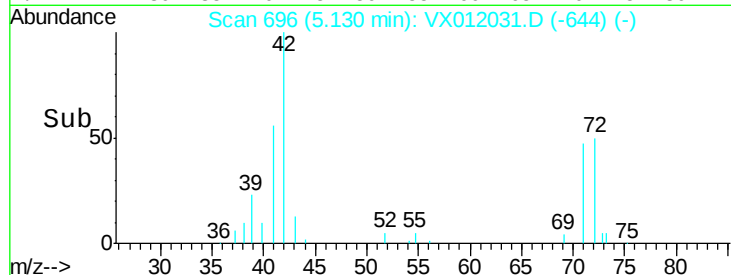
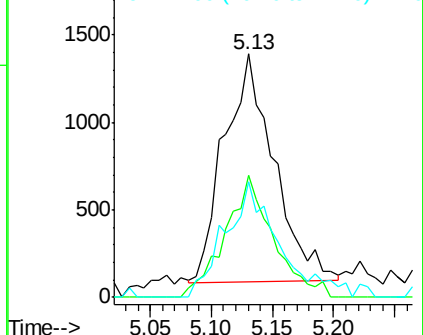
71 54.7 33.8 50.8#



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



#33

1,2-Dichloroethane-d4

Concen: 48.584 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012031.D

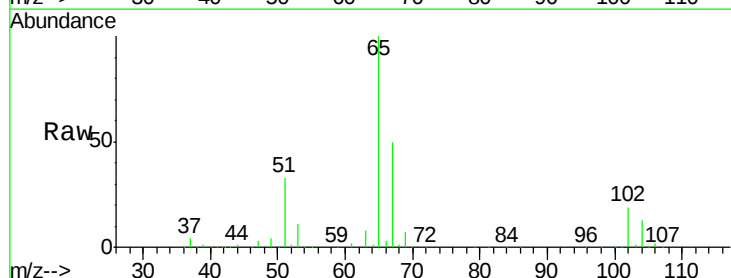
Acq: 03 Sep 2019 19:26

Tgt Ion: 65 Resp: 111253

Ion Ratio Lower Upper

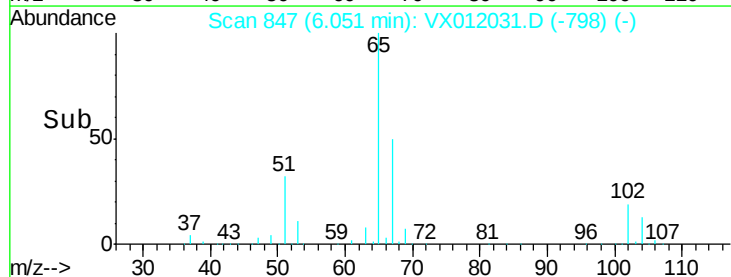
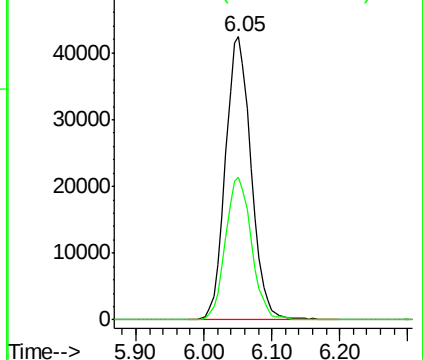
65 100

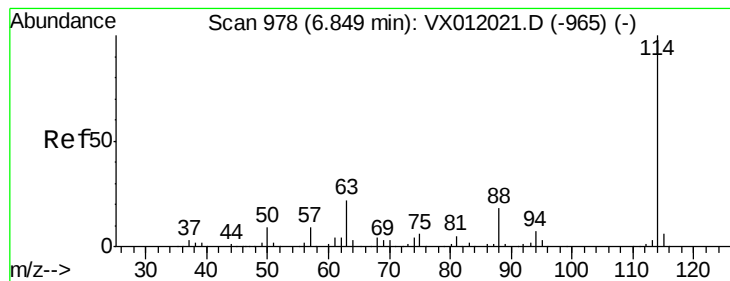
67 50.9 0.0 102.0



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: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-C-(0)

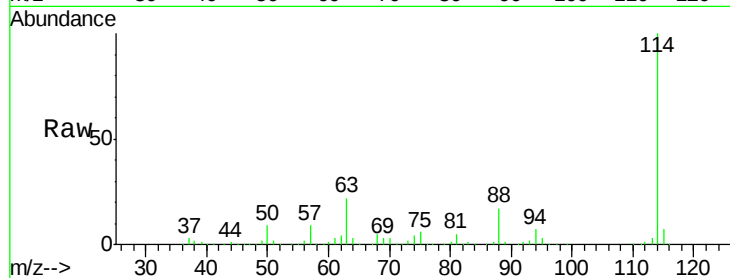
Tot Ion:114 Resp: 294014

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 17.3 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

150000

100000

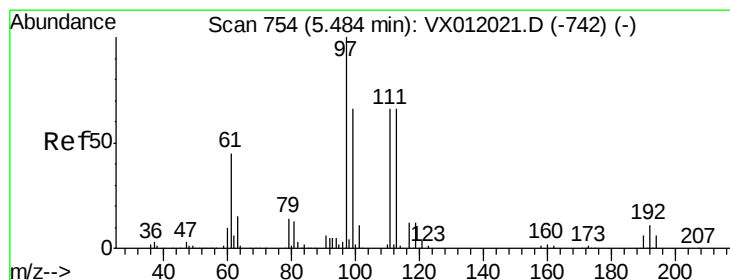
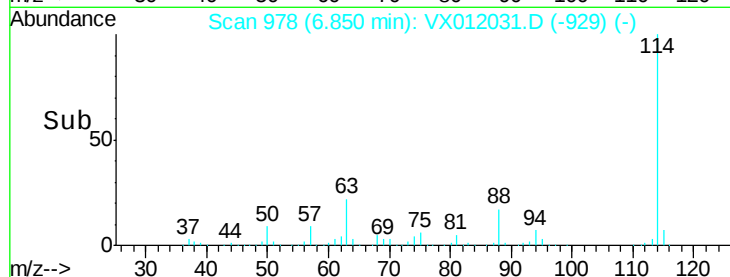
50000

0

6.85

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 48.811 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

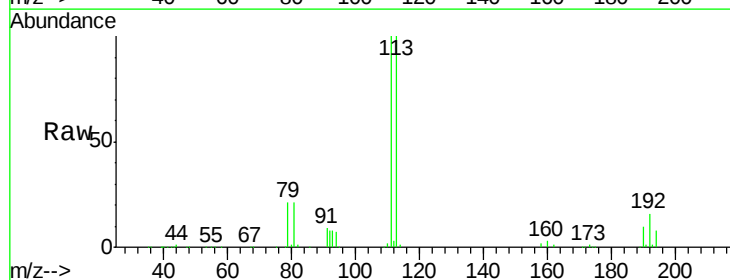
Tgt Ion:113 Resp: 88256

Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

192 16.9 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

40000

30000

20000

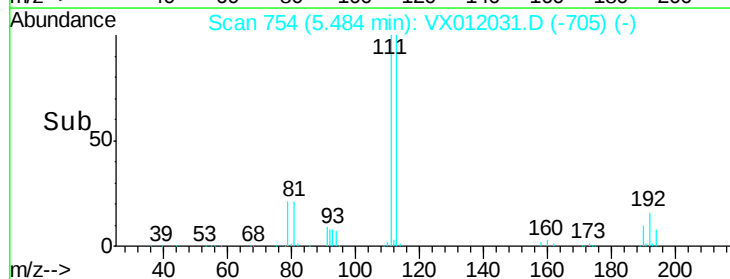
10000

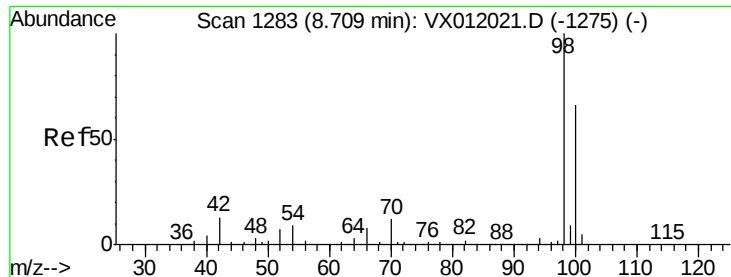
0

5.48

5.40 5.50 5.60

Time-->





#50

Toluene-d8

Concen: 53.585 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

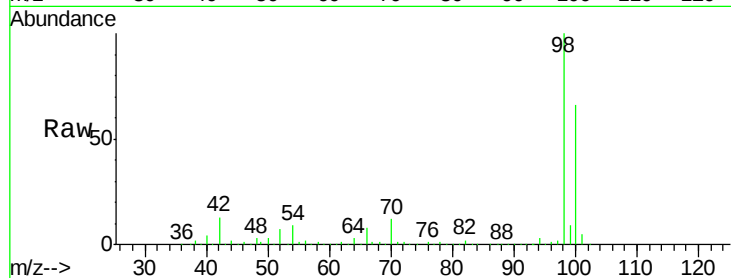
T9-12-13-C-(0)

Tot Ion: 98 Resp: 355533

Ion Ratio Lower Upper

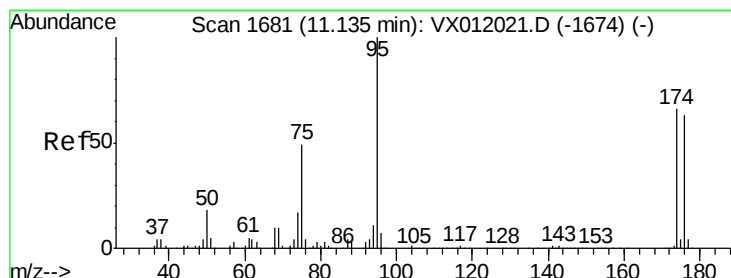
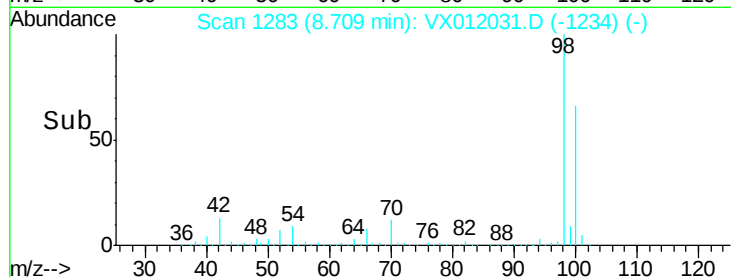
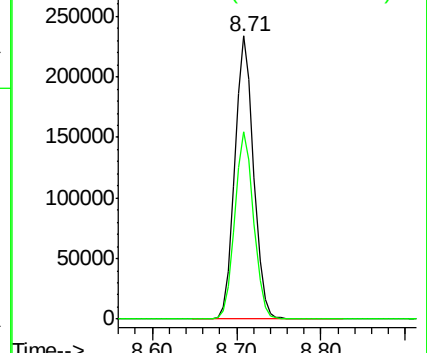
98 100

100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.902 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

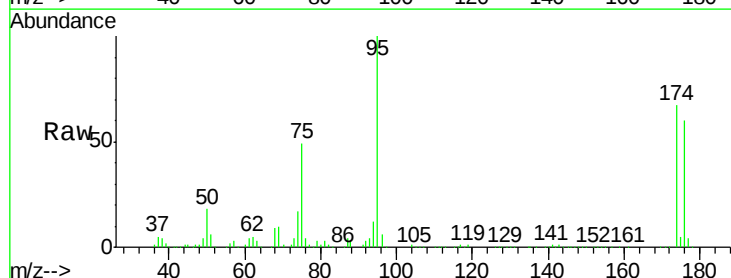
Tgt Ion: 95 Resp: 144723

Ion Ratio Lower Upper

95 100

174 64.0 0.0 205.4

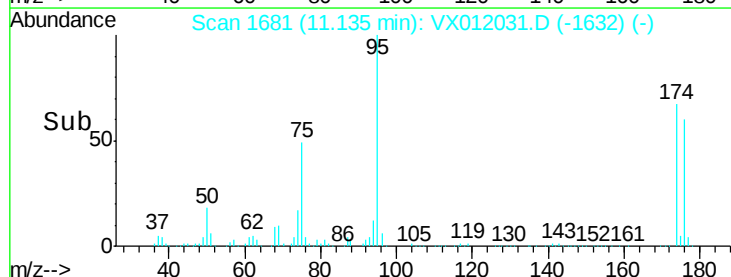
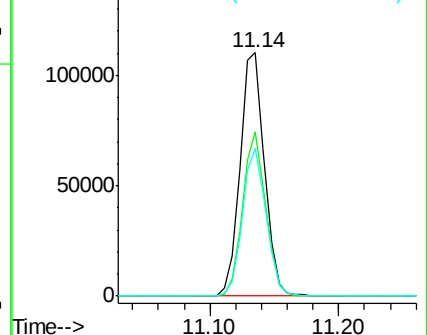
176 58.8 0.0 201.8

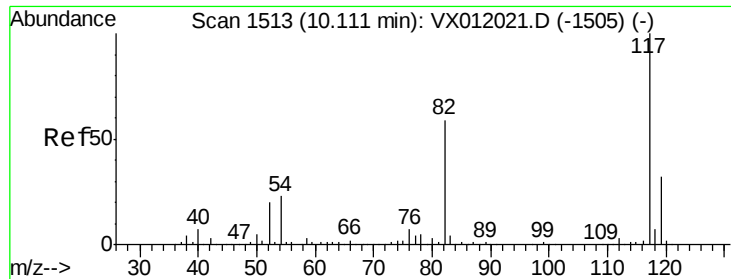


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

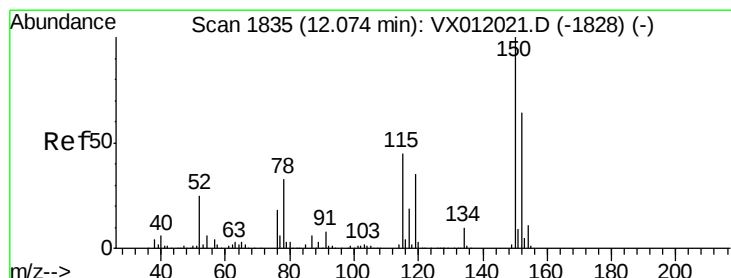
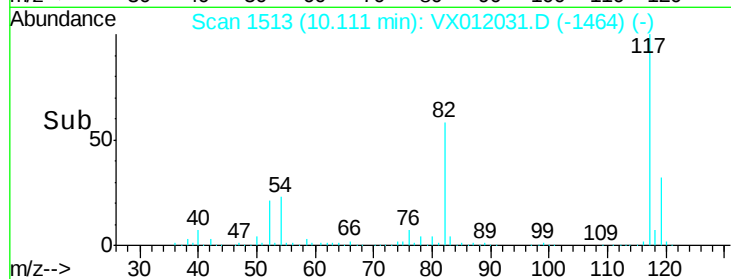
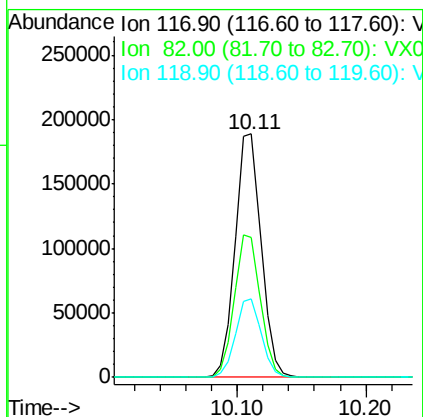
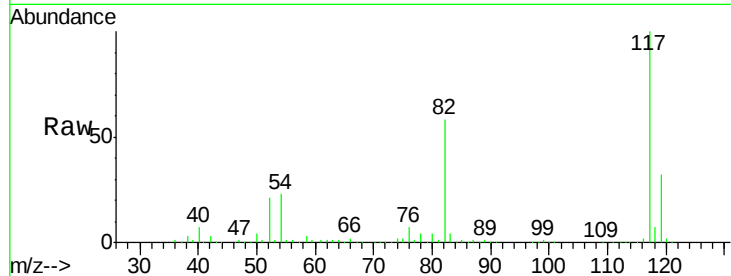




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012031.D
Acq: 03 Sep 2019 19:26

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-C-(0)

Tot Ion:117 Resp: 266393
Ion Ratio Lower Upper
117 100
82 57.6 39.4 59.0
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012031.D
Acq: 03 Sep 2019 19:26

Tgt Ion:152 Resp: 123310
Ion Ratio Lower Upper
152 100
115 64.4 36.4 109.3
150 152.1 0.0 341.2

