

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012127.D
 Acq On : 06 Sep 2019 04:43
 Operator : SY/SP
 Sample : K4580-01
 Misc : 4.22g/5.0mL/MSVOA X/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-A3-(3.5)

Quant Time: Sep 06 07:33:27 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

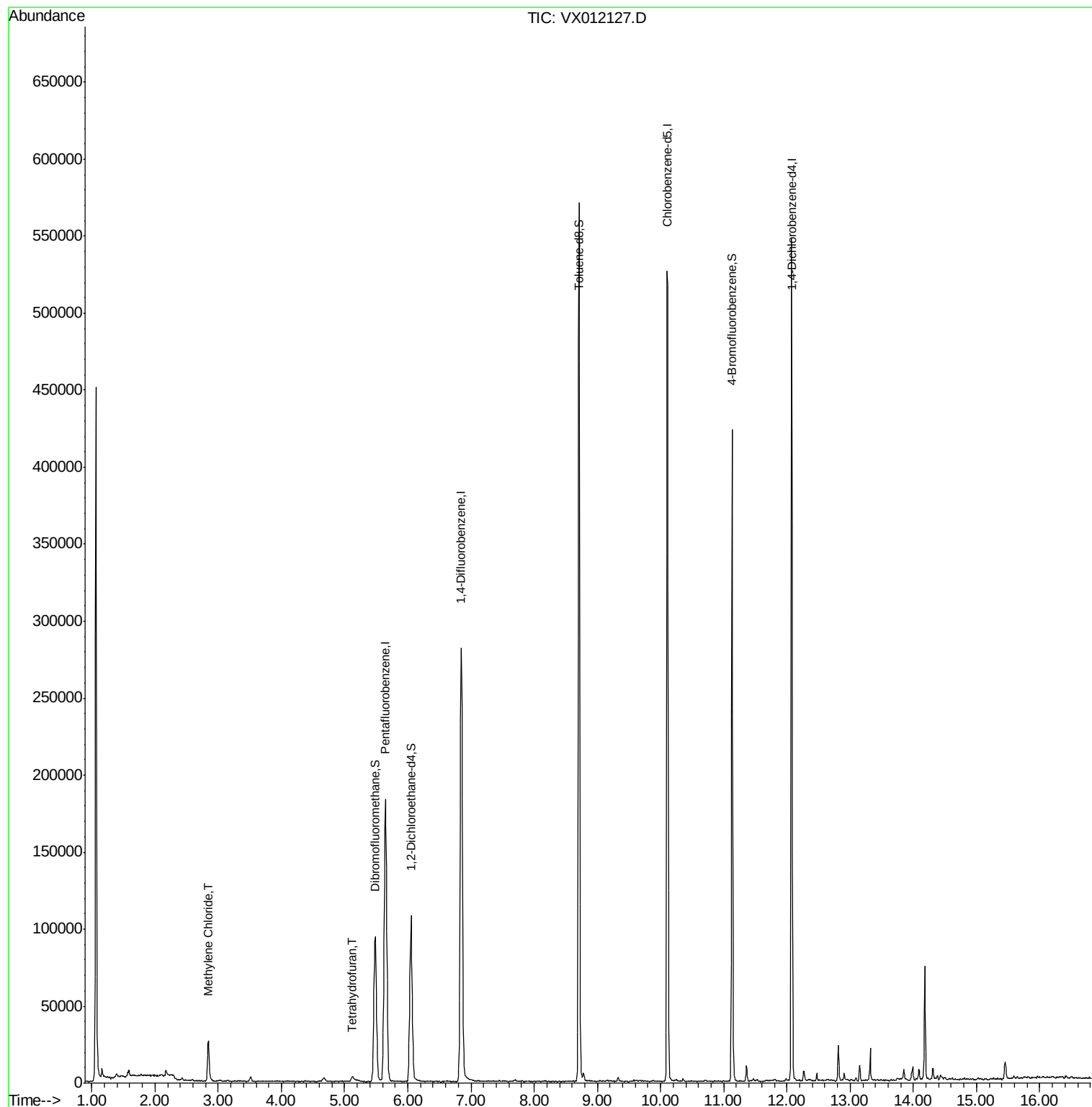
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	155838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	108061	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
35) Dibromofluoromethane	5.48	113	80657	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	319589	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	122663	42.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.88%	
Target Compounds						
20) Methylene Chloride	2.84	84	12004	5.816	ug/l	91
29) Tetrahydrofuran	5.13	42	3747	9.506	ug/l #	86

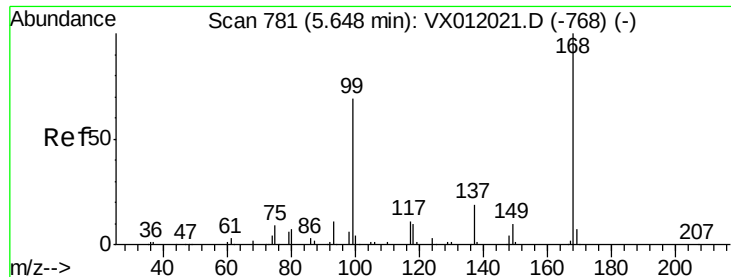
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampled :

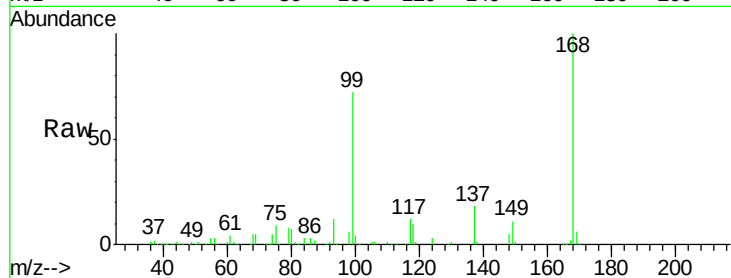
T12-A3-(3.5)

Tot Ion:168 Resp: 155838

Ion Ratio Lower Upper

168 100

99 72.3 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

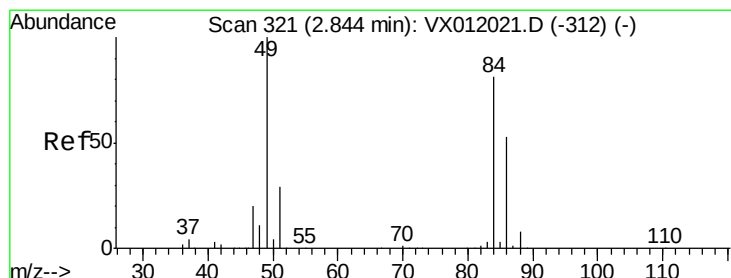
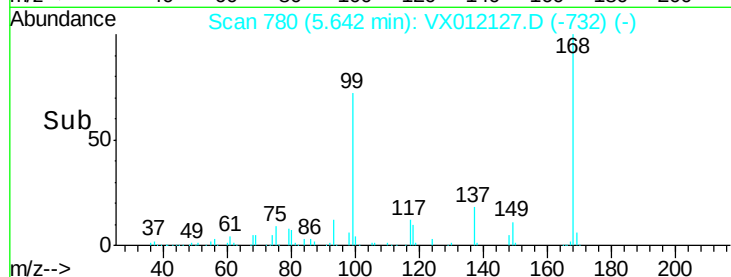
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 5.816 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Tgt Ion: 84 Resp: 12004

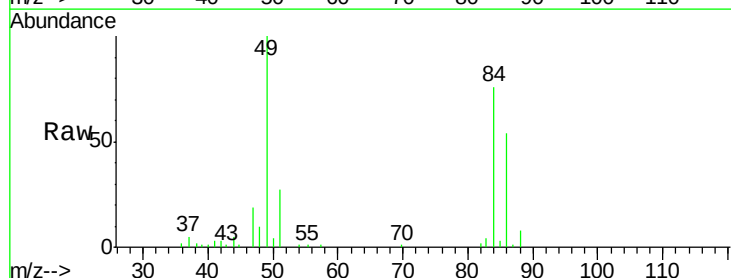
Ion Ratio Lower Upper

84 100

49 132.3 95.8 143.8

51 35.5 28.6 43.0

86 71.5 50.9 76.3



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

12000

10000

8000

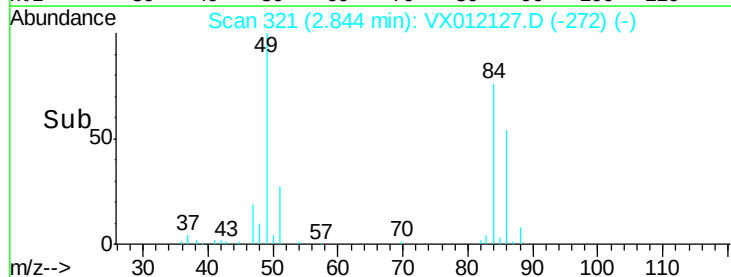
6000

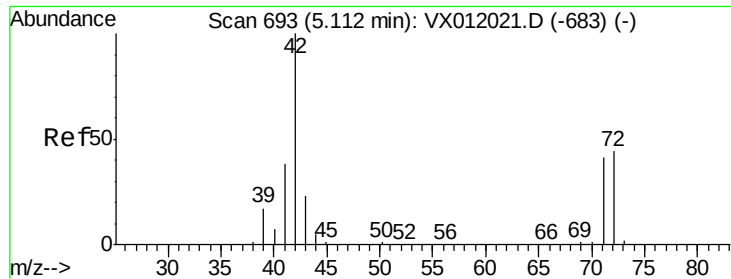
4000

2000

0

Time--> 2.75 2.80 2.85 2.90 2.95





#29

Tetrahydrofuran

Concen: 9.506 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampled :

T12-A3-(3.5)

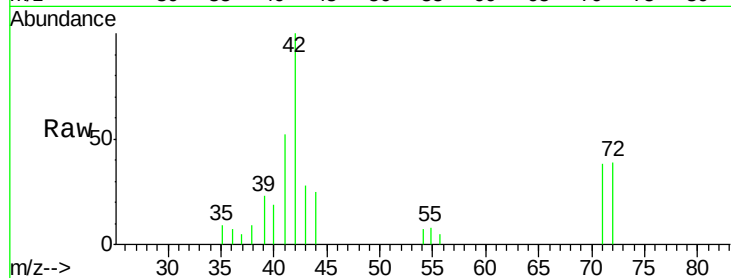
Tot Ion: 42 Resp: 3747

Ion Ratio Lower Upper

42 100

72 35.4 37.0 55.4#

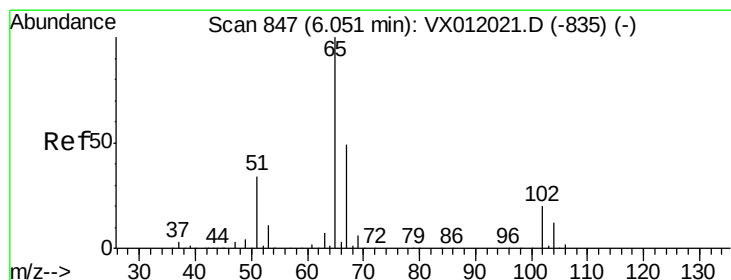
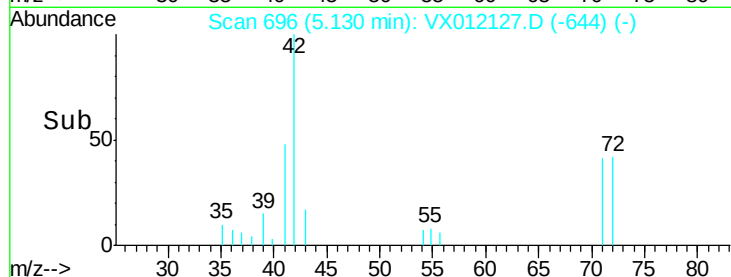
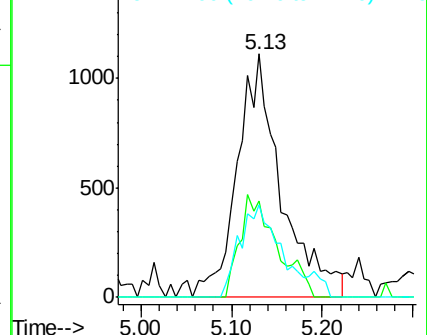
71 35.1 33.8 50.8



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: 50.255 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012127.D

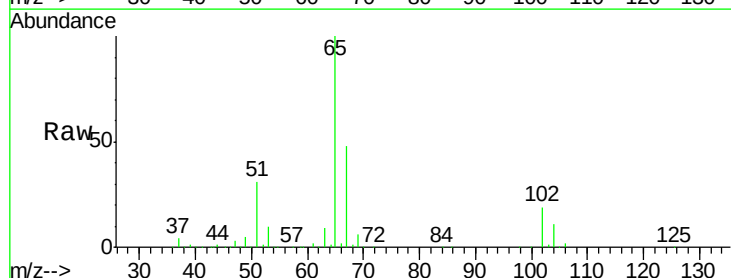
Acq: 06 Sep 2019 04:43

Tgt Ion: 65 Resp: 108061

Ion Ratio Lower Upper

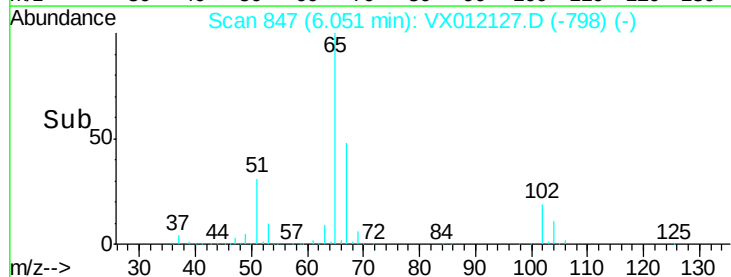
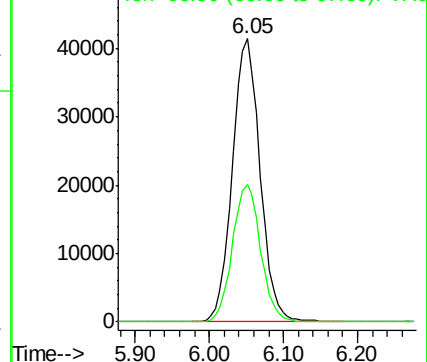
65 100

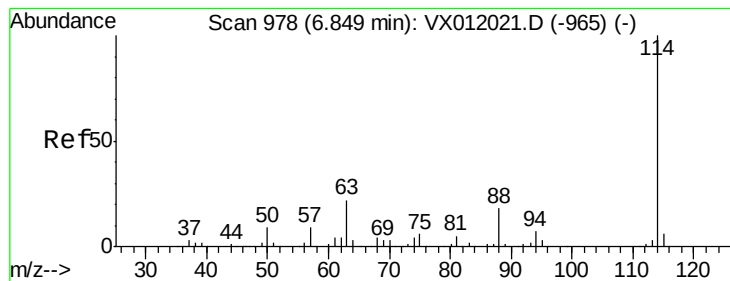
67 49.2 0.0 102.0



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: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

T12-A3-(3.5)

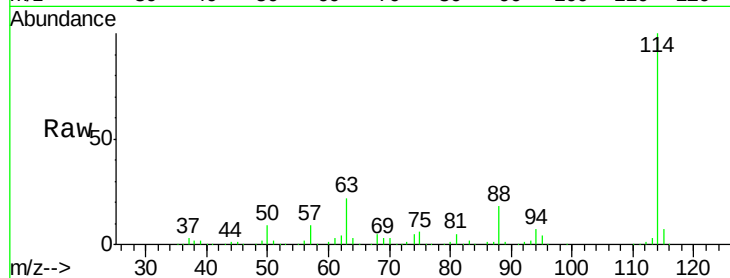
Tot Ion:114 Resp: 272184

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.4

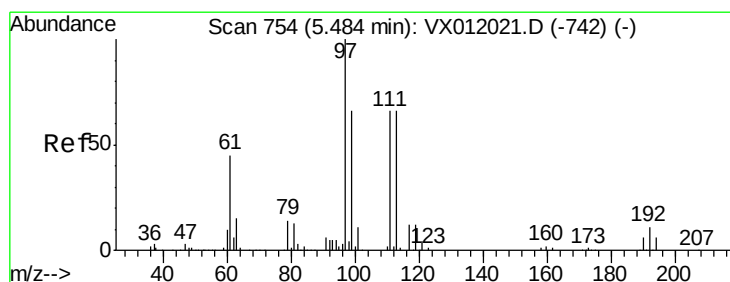
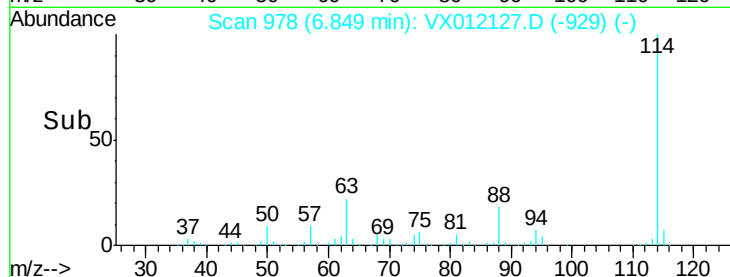
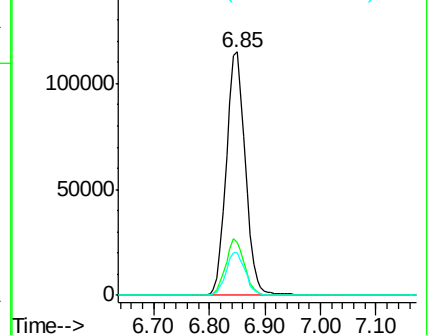
88 17.6 0.0 29.6



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: 48.186 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

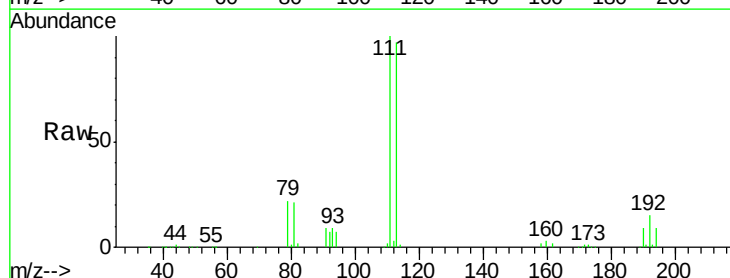
Tgt Ion:113 Resp: 80657

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

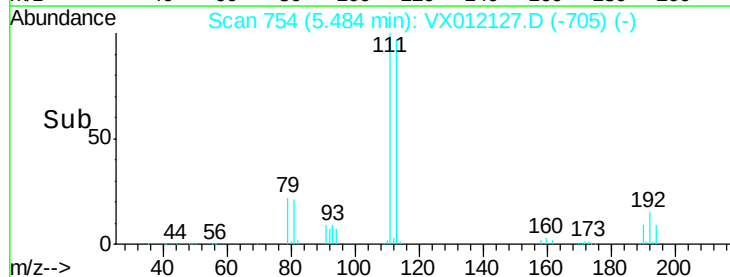
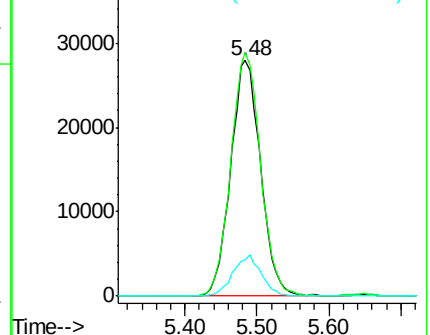
192 16.6 22.5 33.7#

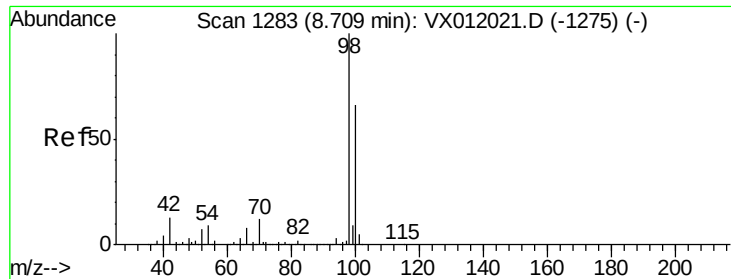


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.031 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

Instrument :

MSVOA_X

ClientSampleId :

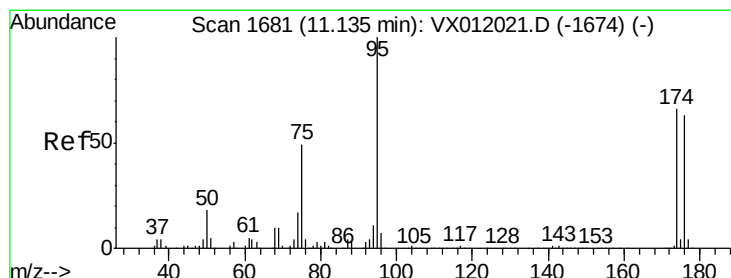
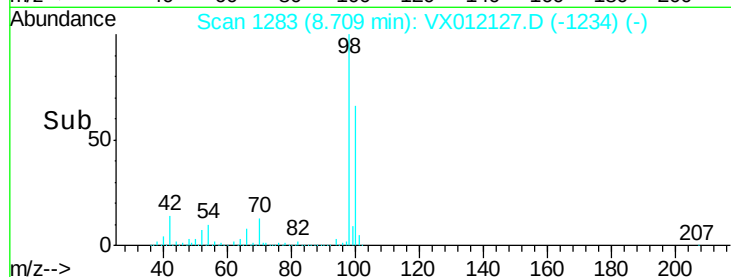
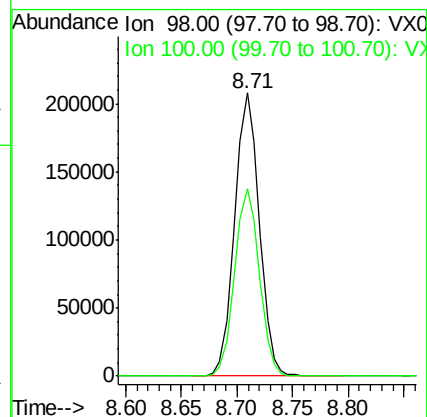
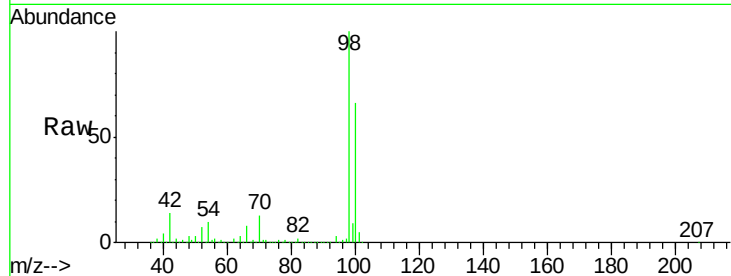
T12-A3-(3.5)

Tot Ion: 98 Resp: 319589

Ion Ratio Lower Upper

98 100

100 66.3 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 42.941 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012127.D

Acq: 06 Sep 2019 04:43

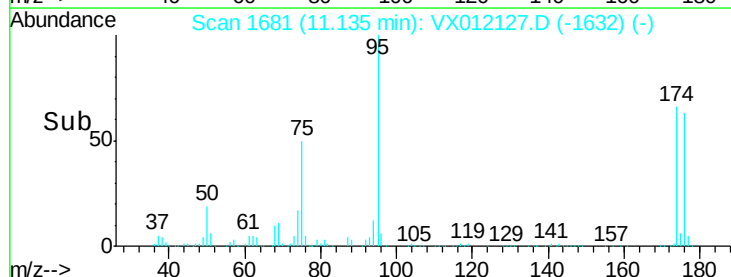
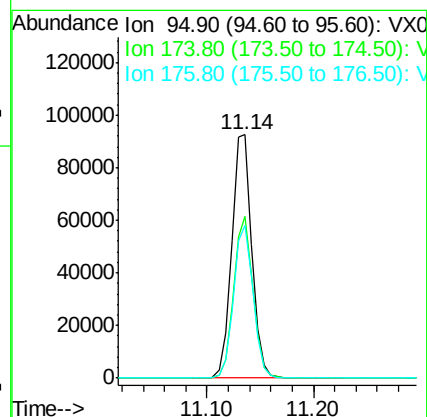
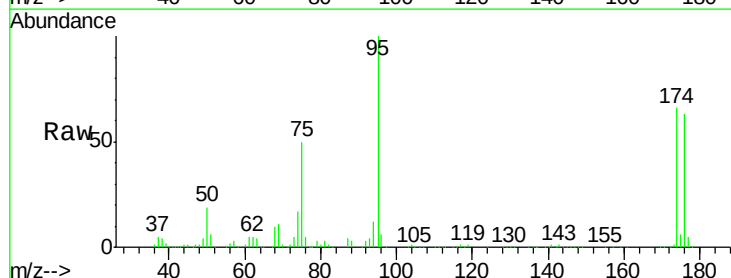
Tgt Ion: 95 Resp: 122663

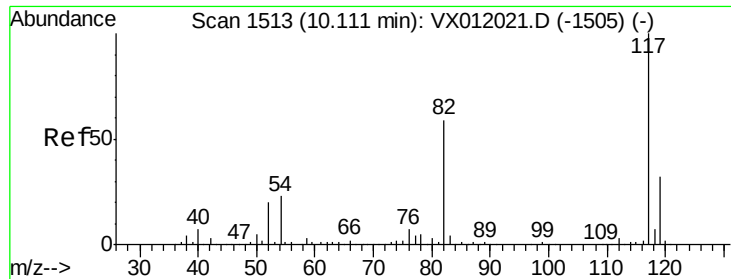
Ion Ratio Lower Upper

95 100

174 64.0 0.0 205.4

176 61.2 0.0 201.8

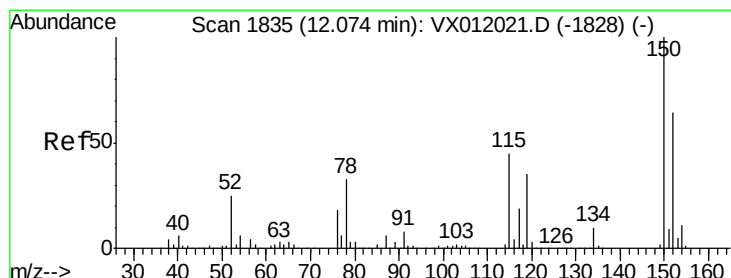
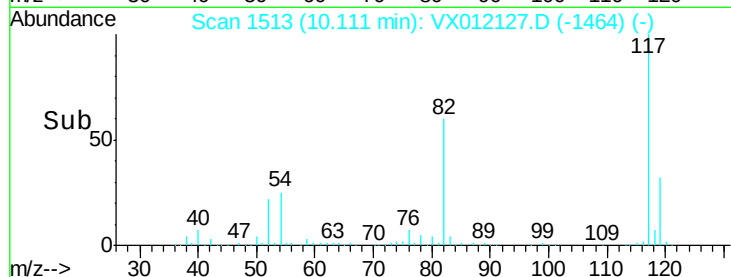
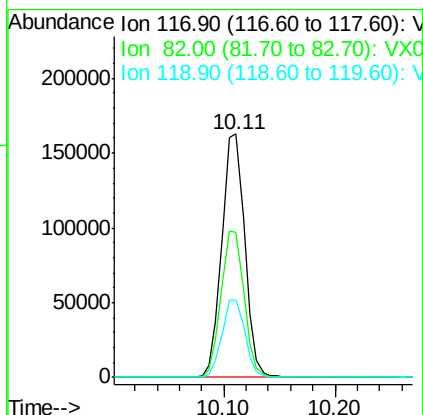
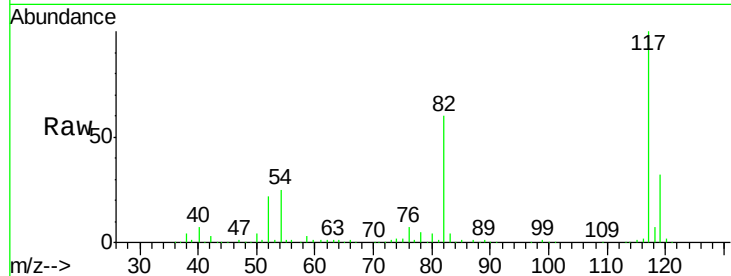




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012127.D
Acq: 06 Sep 2019 04:43

Instrument :
MSVOA_X
ClientSampleId :
T12-A3-(3.5)

Tot Ion:117 Resp: 232851
Ion Ratio Lower Upper
117 100
82 59.7 39.4 59.0#
119 31.6 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: VX012127.D
Acq: 06 Sep 2019 04:43

Tgt Ion:152 Resp: 97209
Ion Ratio Lower Upper
152 100
115 64.8 36.4 109.3
150 154.5 0.0 341.2

