

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012509.D
 Acq On : 19 Sep 2019 05:47
 Operator : JC/SP
 Sample : K4887-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-ER-2019-1

Quant Time: Sep 19 15:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

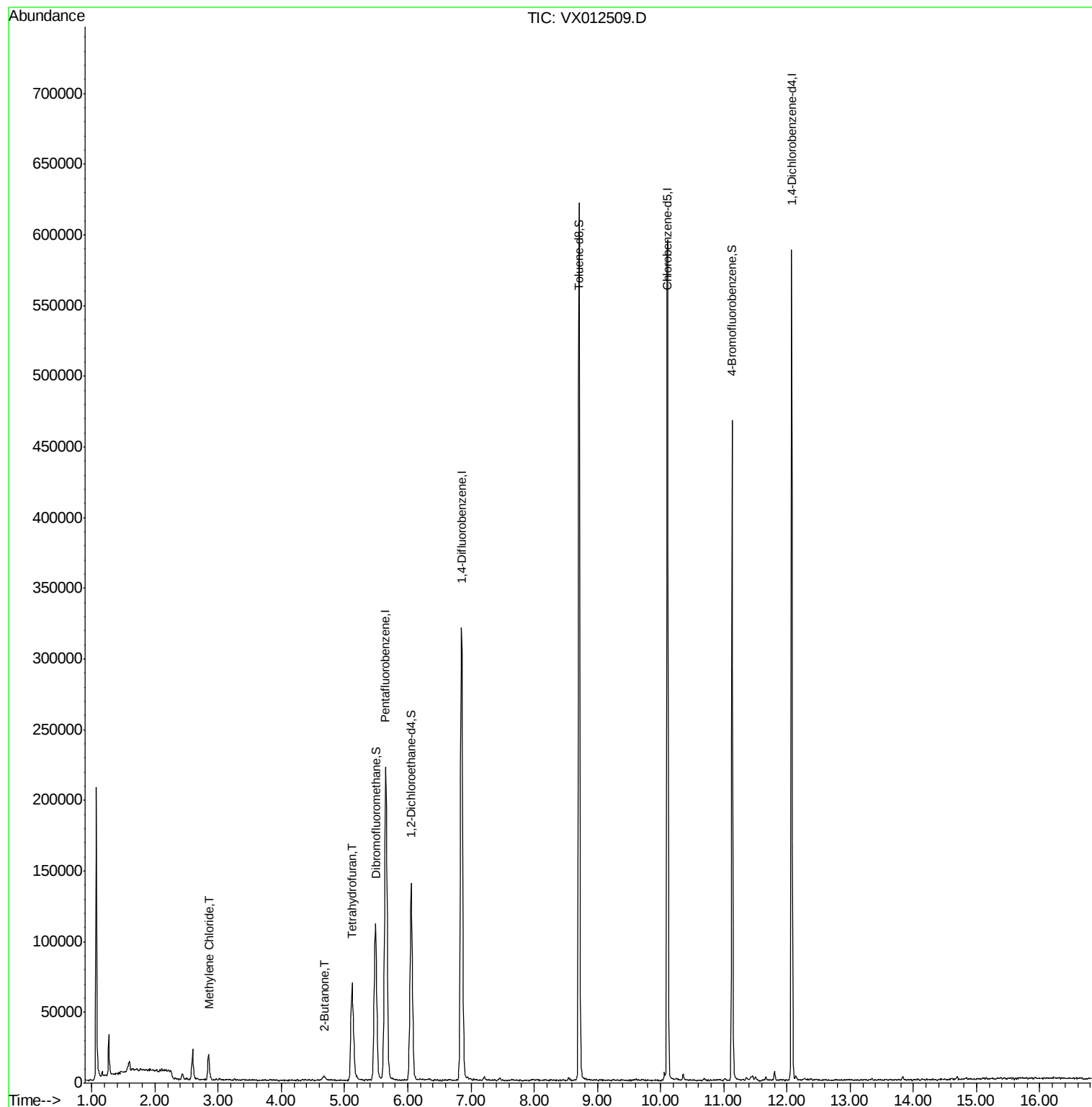
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	196016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	131583	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	
35) Dibromofluoromethane	5.49	113	93716	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
50) Toluene-d8	8.71	98	359827	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.14	95	129953	44.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.12%	
Target Compounds						
20) Methylene Chloride	2.85	84	8416	4.950	ug/l	96
25) 2-Butanone	4.67	43	6573	3.373	ug/l #	88
29) Tetrahydrofuran	5.12	42	65060	60.434	ug/l	98

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012509.D

Acq: 19 Sep 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

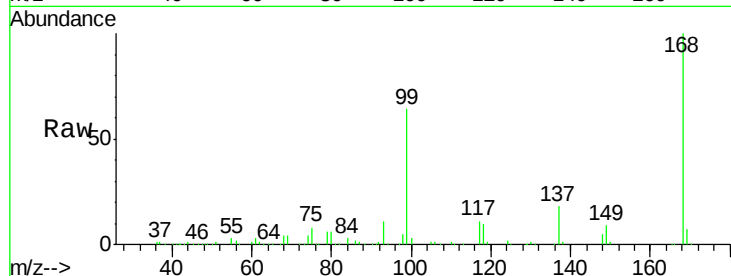
Z2-ER-2019-1

Tot Ion:168 Resp: 196016

Ion Ratio Lower Upper

168 100

99 63.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

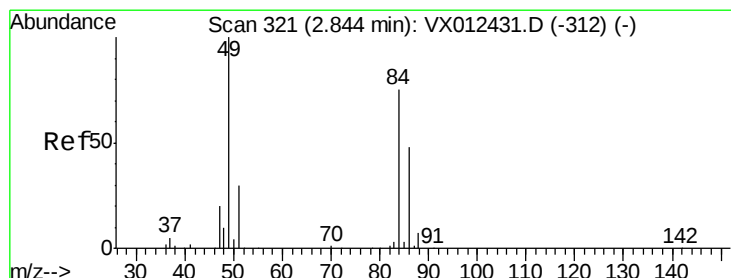
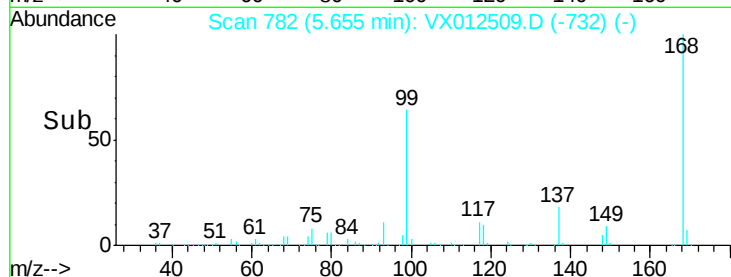
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 4.950 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012509.D

Acq: 19 Sep 2019 05:47

Tgt Ion: 84 Resp: 8416

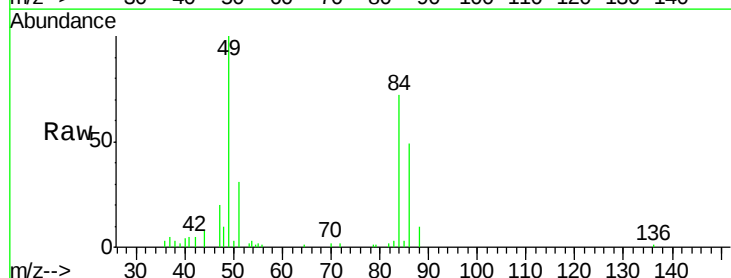
Ion Ratio Lower Upper

84 100

49 138.3 106.8 160.2

51 41.0 32.3 48.5

86 67.7 51.3 76.9



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

8000

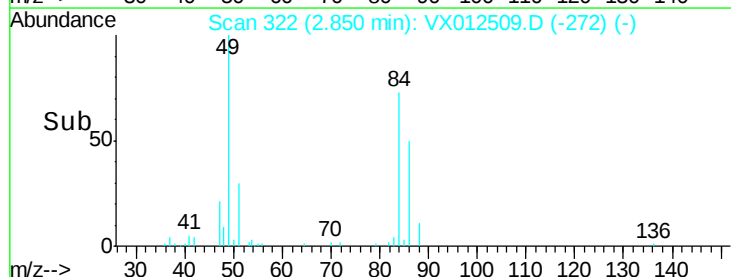
6000

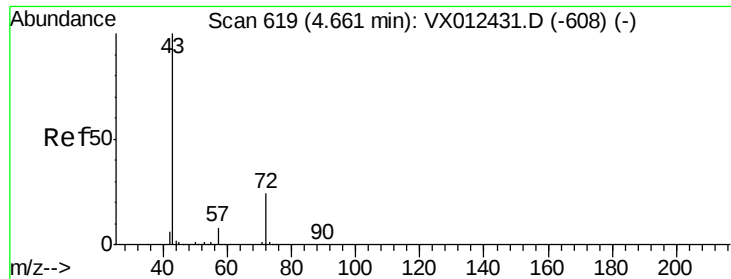
4000

2000

0

Time--> 2.75 2.80 2.85 2.90 2.95





#25

2-Butanone

Concen: 3.373 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012509.D

Acq: 19 Sep 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

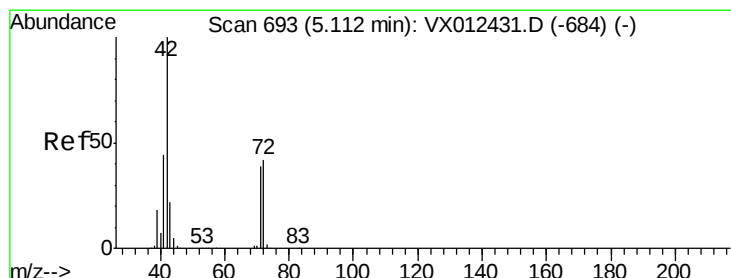
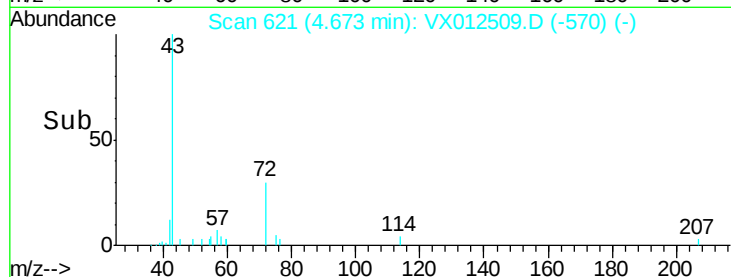
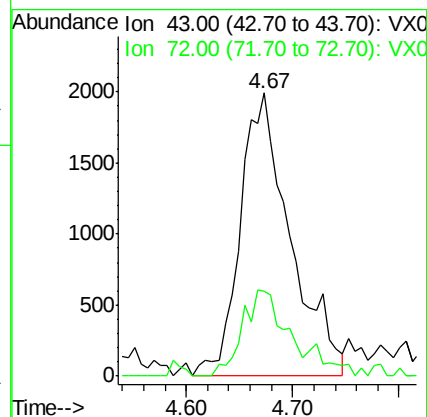
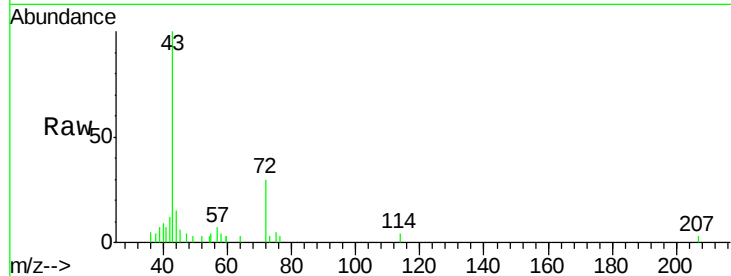
Z2-ER-2019-1

Tot Ion: 43 Resp: 6573

Ion Ratio Lower Upper

43 100

72 30.0 19.2 28.8#



#29

Tetrahydrofuran

Concen: 60.434 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012509.D

Acq: 19 Sep 2019 05:47

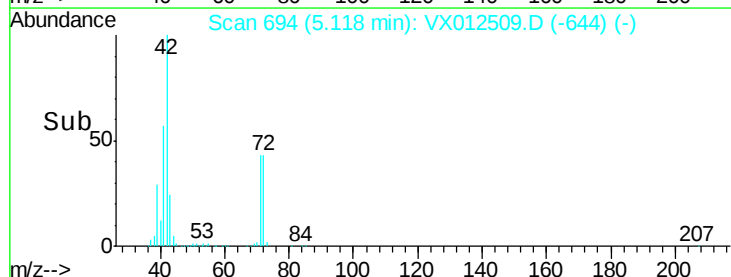
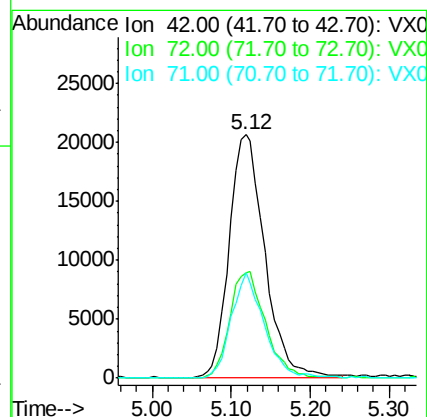
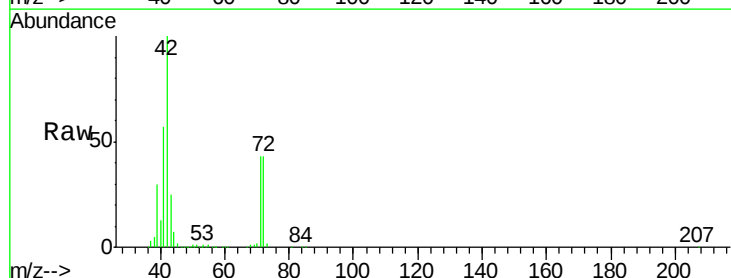
Tgt Ion: 42 Resp: 65060

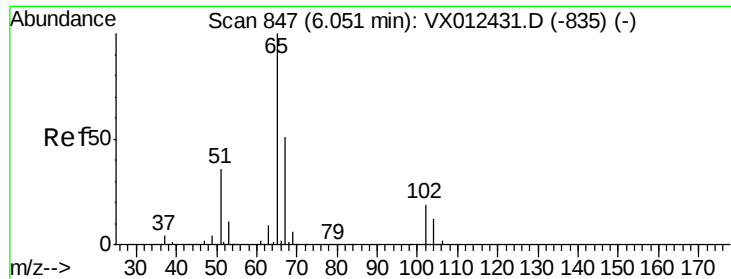
Ion Ratio Lower Upper

42 100

72 44.1 34.0 51.0

71 40.1 31.5 47.3

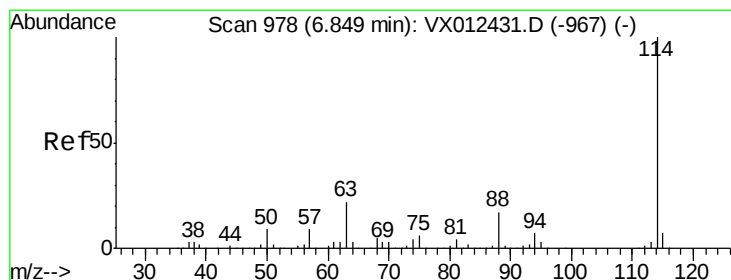
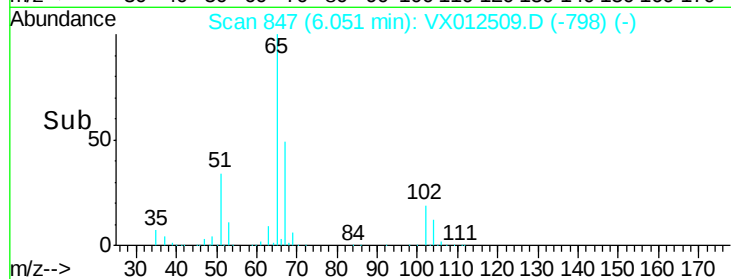
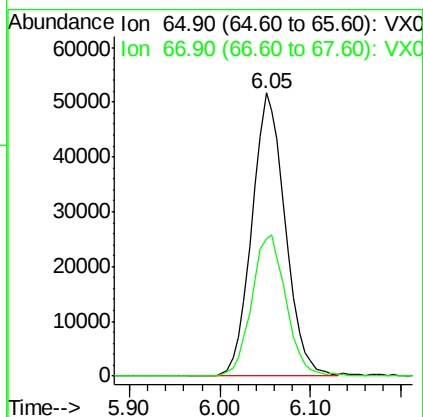
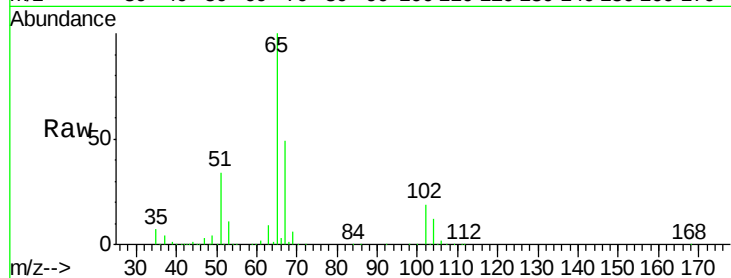




#33
 1,2-Dichloroethane-d4
 Concen: 46.838 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012509.D
 Acq: 19 Sep 2019 05:47

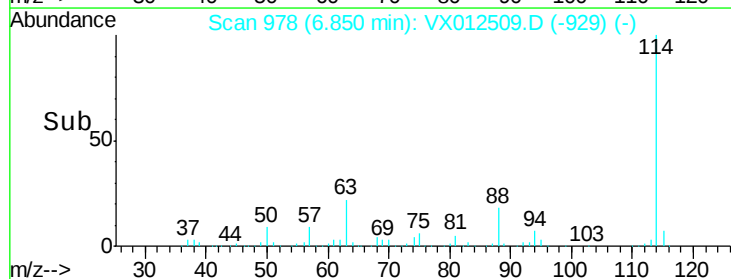
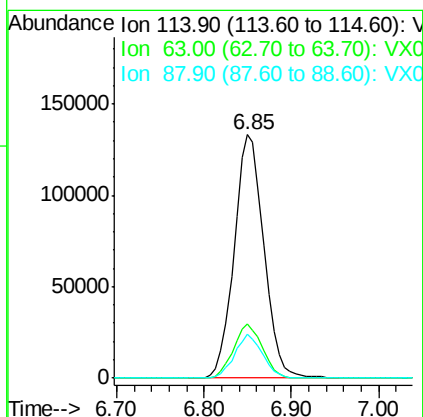
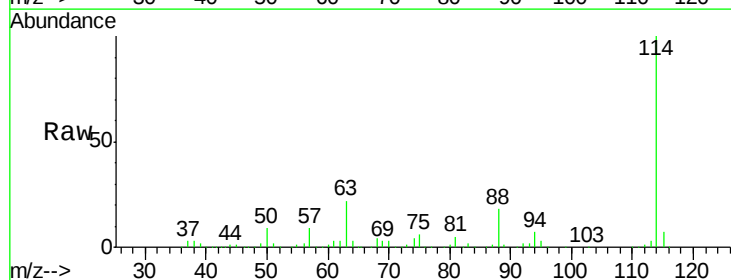
Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-ER-2019-1

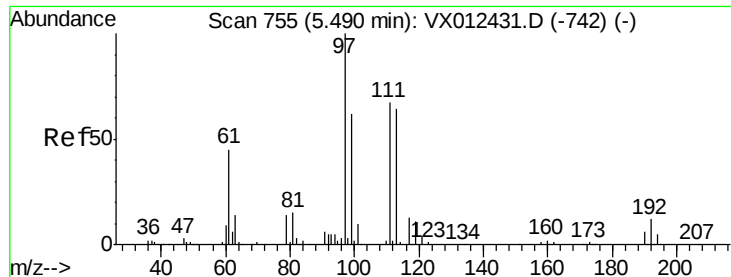
Tot Ion: 65 Resp: 131583
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012509.D
 Acq: 19 Sep 2019 05:47

Tgt Ion: 114 Resp: 313545
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 18.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.382 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012509.D

Acq: 19 Sep 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

Z2-ER-2019-1

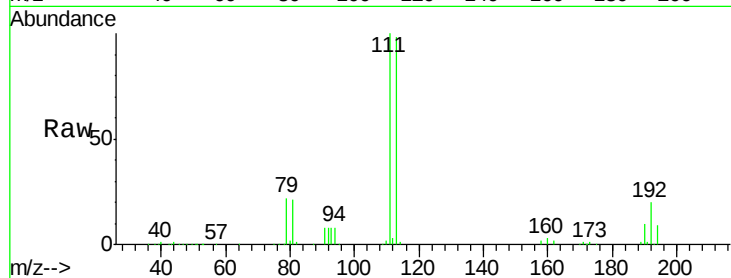
Tot Ion:113 Resp: 93716

Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

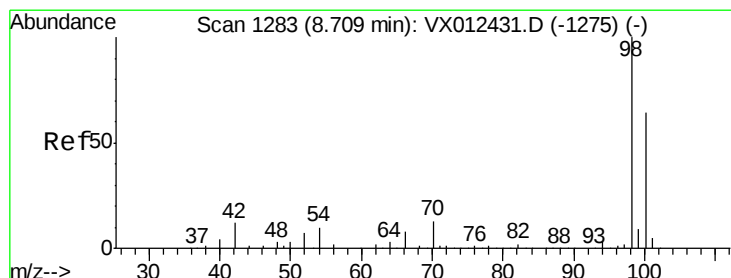
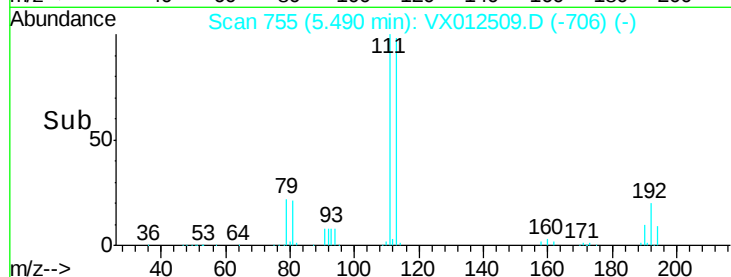
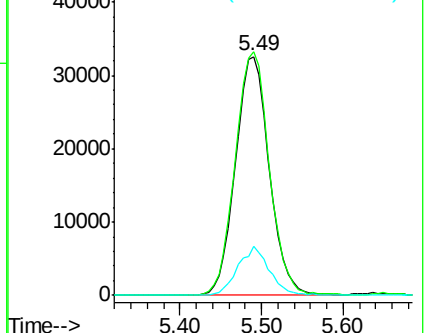
192 19.0 14.4 21.6



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: 51.225 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012509.D

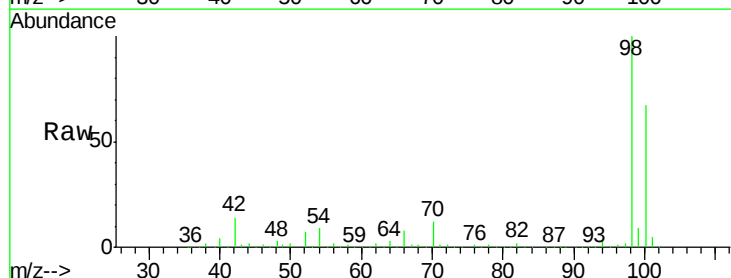
Acq: 19 Sep 2019 05:47

Tgt Ion: 98 Resp: 359827

Ion Ratio Lower Upper

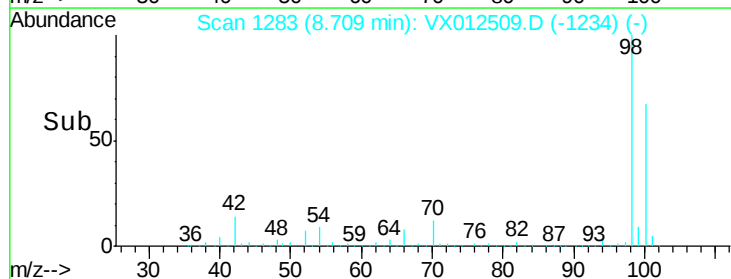
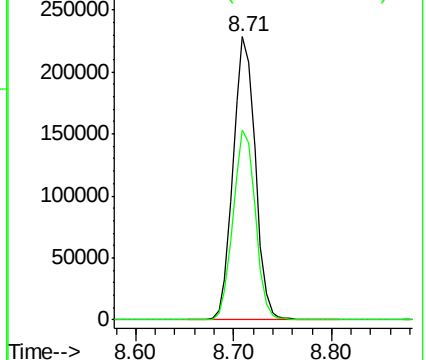
98 100

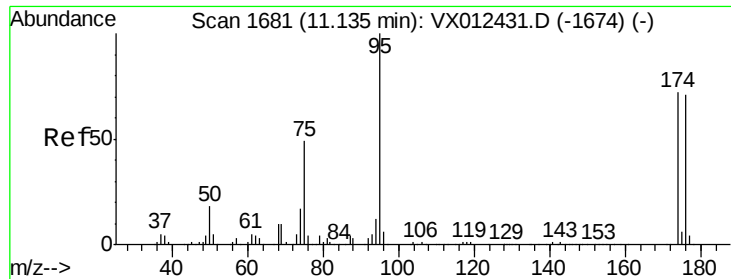
100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

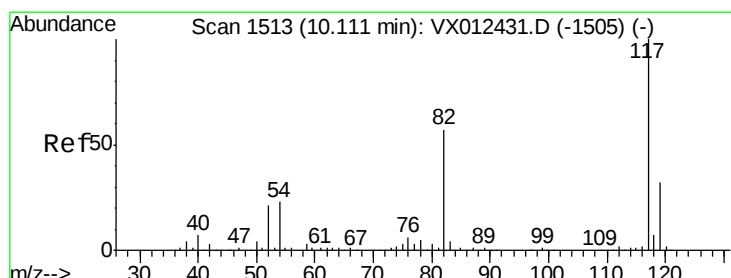
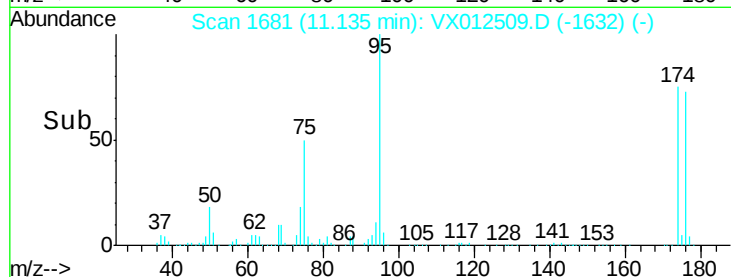
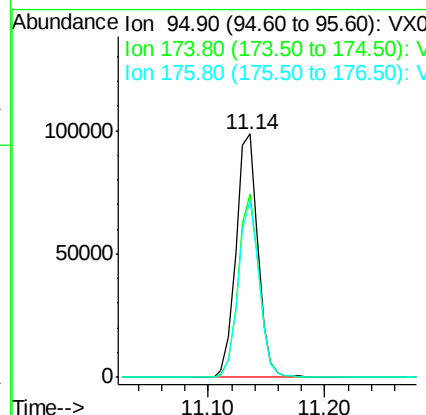
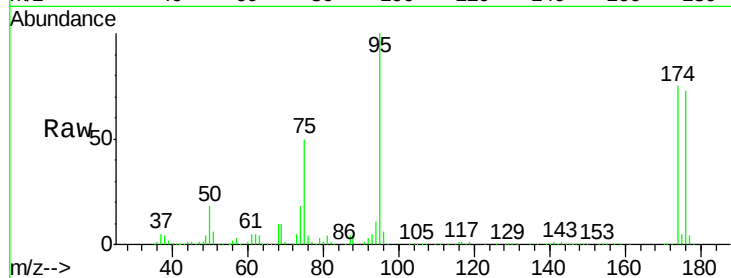




#62
4-Bromofluorobenzene
Concen: 44.556 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012509.D
Acq: 19 Sep 2019 05:47

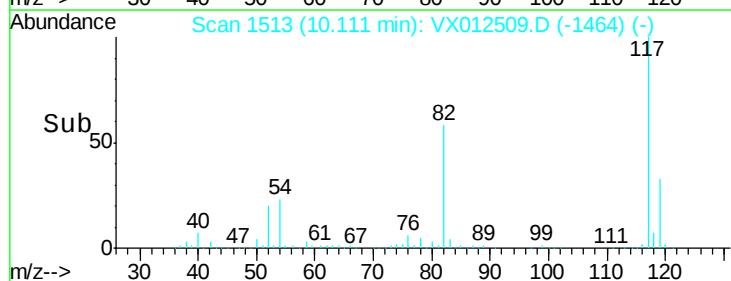
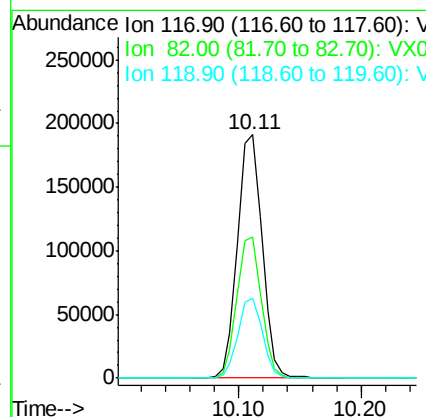
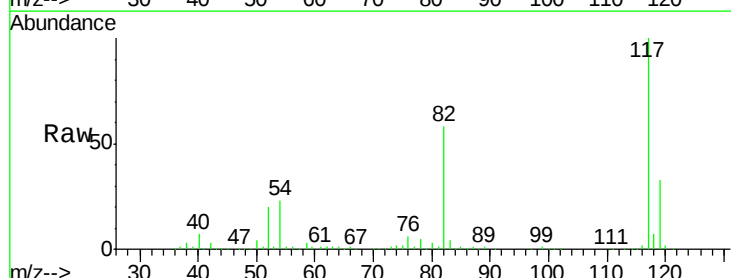
Instrument :
MSVOA_X
ClientSampled :
Z2-ER-2019-1

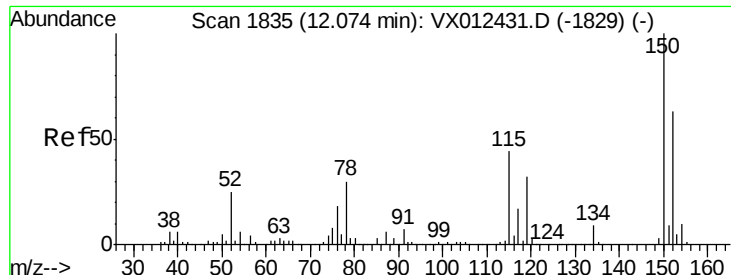
Tot Ion: 95 Resp: 129953
Ion Ratio Lower Upper
95 100
174 71.9 0.0 140.0
176 69.6 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012509.D
Acq: 19 Sep 2019 05:47

Tgt Ion: 117 Resp: 266123
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 32.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012509.D

Acq: 19 Sep 2019 05:47

Instrument :

MSVOA_X

ClientSampleId :

Z2-ER-2019-1

Tot Ion:152 Resp: 109347

Ion Ratio Lower Upper

152 100

115 63.8 44.1 132.3

150 159.3 0.0 343.8

