

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040219\
 Data File : VX008587.D
 Acq On : 02 Apr 2019 11:40
 Operator : JC/SP
 Sample : K2208-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFFL-2

Quant Time: Apr 02 15:25:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	36673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	211788	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	183662	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	91494	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	11.13	95	89693	28.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.43%
63) Toluene-d8	8.71	98	264190	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

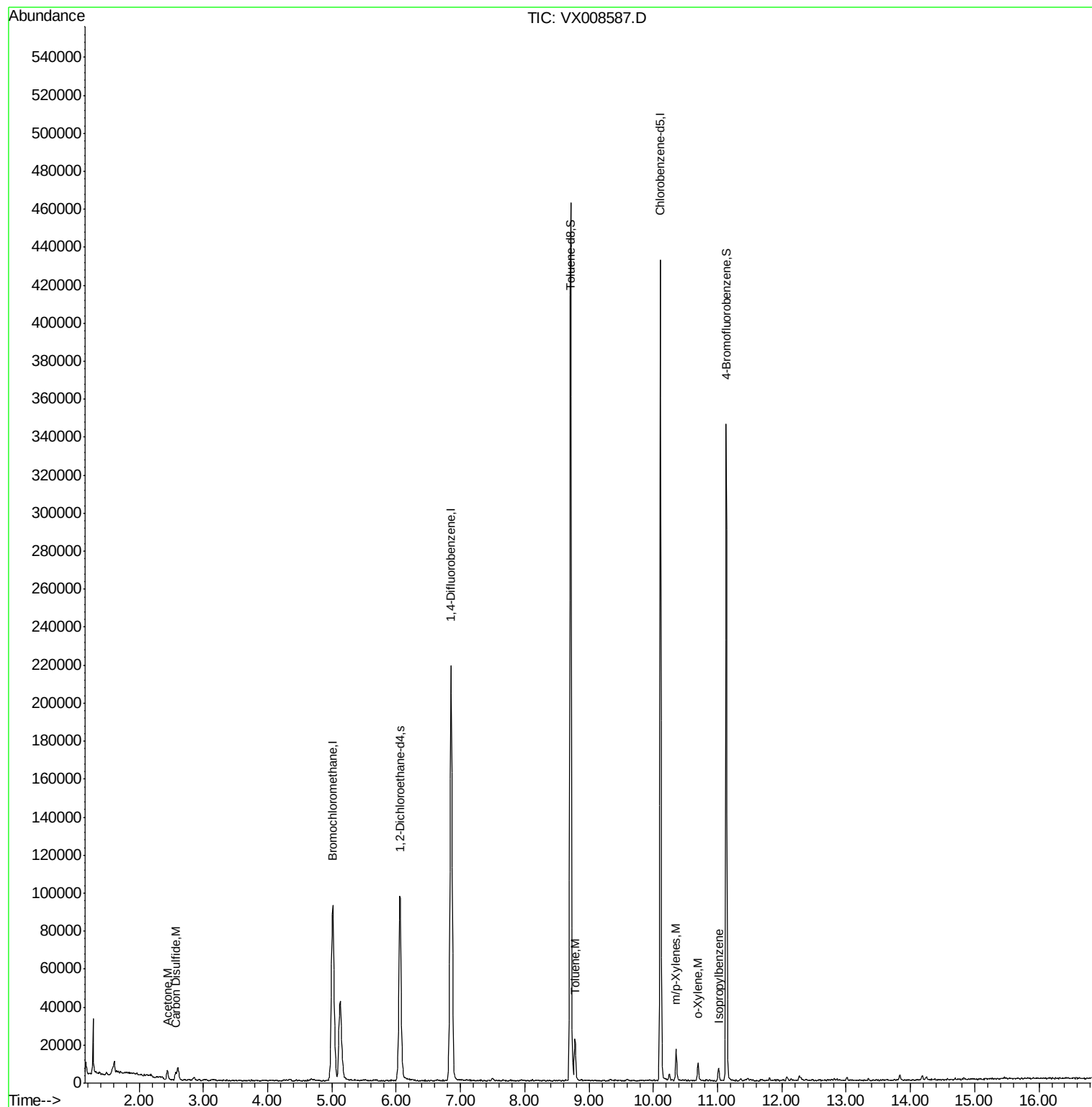
					Ovalue
15) Acetone	2.45	58	1632	3.041 ug/l	90
16) Carbon Disulfide	2.57	76	5382	0.745 ug/l #	94
62) Toluene	8.78	91	13369	1.202 ug/l	99
67) m/p-Xylenes	10.35	106	3631	0.807 ug/l	87
68) o-Xylene	10.69	106	2120	0.481 ug/l	95
70) Isopropylbenzene	11.02	105	3132	0.270 ug/l	92

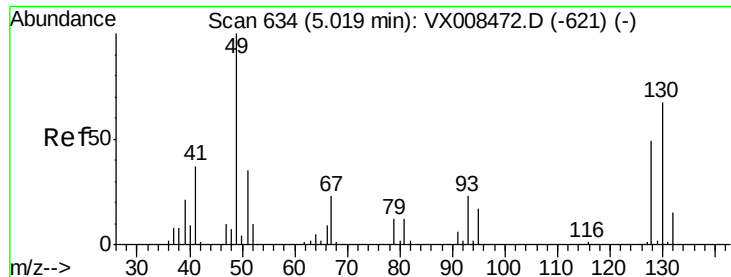
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008587.D

Acq: 02 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

EFFL-2

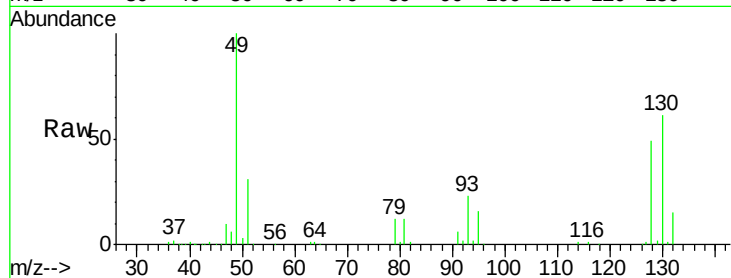
Tot Ion:128 Resp: 36673

Ion Ratio Lower Upper

128 100

49 205.5 0.0 350.8

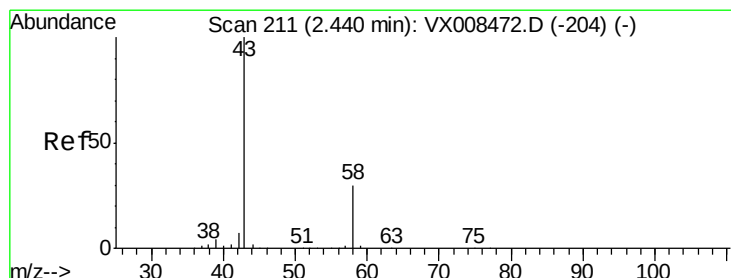
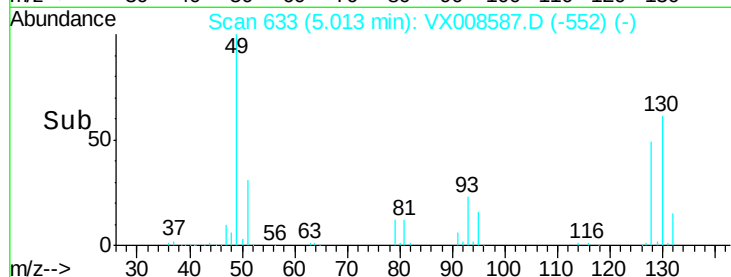
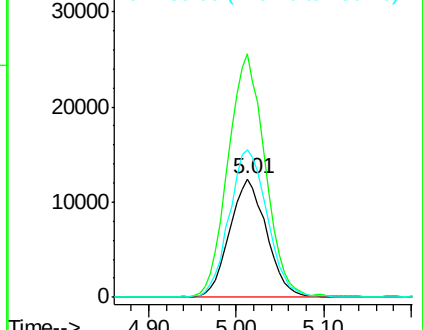
130 128.4 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 3.041 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008587.D

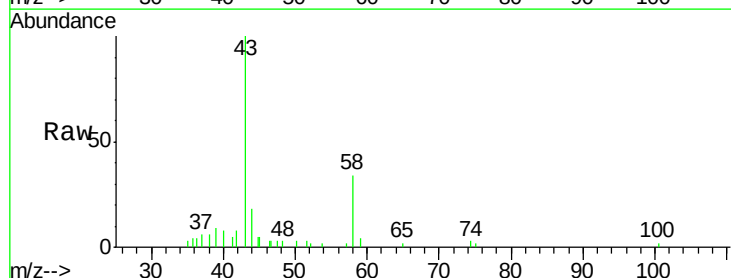
Acq: 02 Apr 2019 11:40

Tgt Ion: 58 Resp: 1632

Ion Ratio Lower Upper

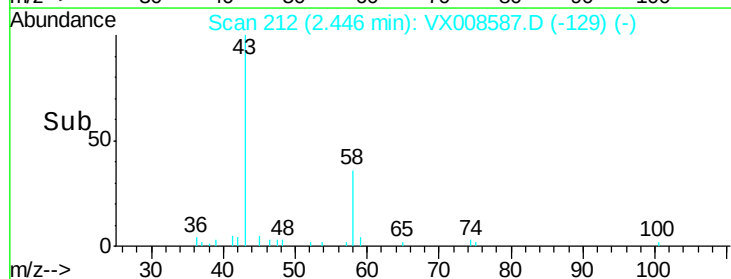
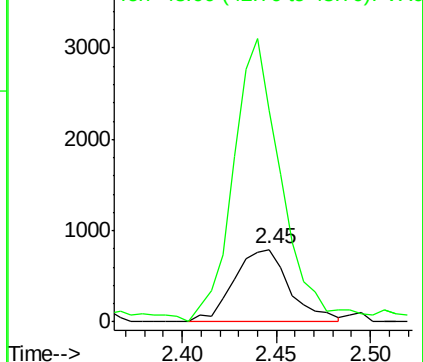
58 100

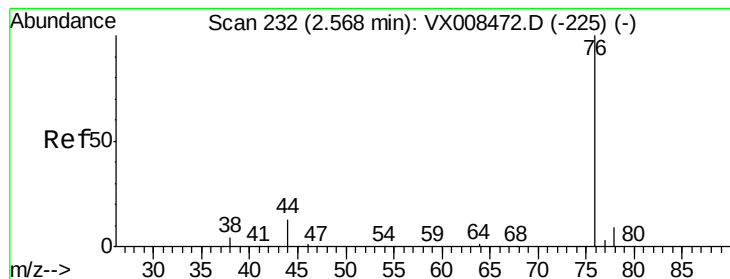
43 291.7 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#16

Carbon Disulfide

Concen: 0.745 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008587.D

Acq: 02 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

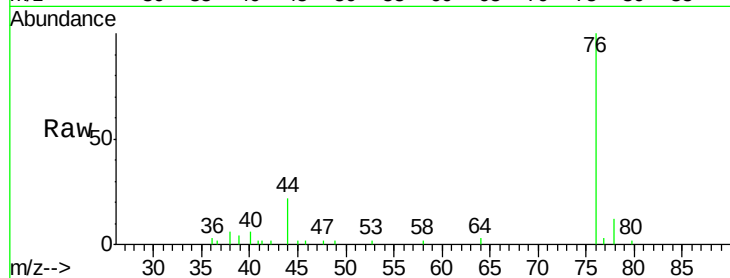
EFFL-2

Tot Ion: 76 Resp: 5382

Ion Ratio Lower Upper

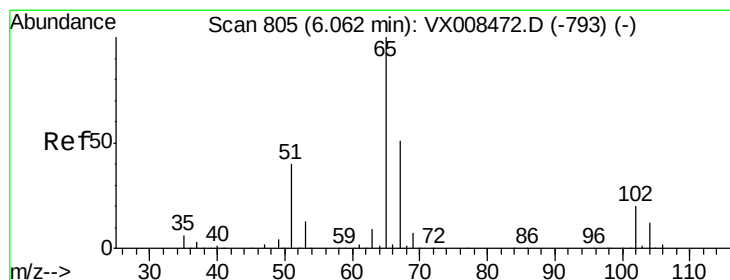
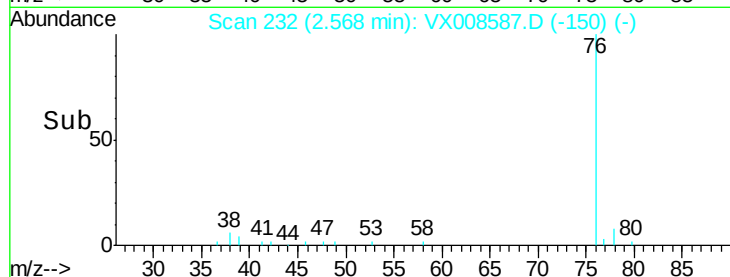
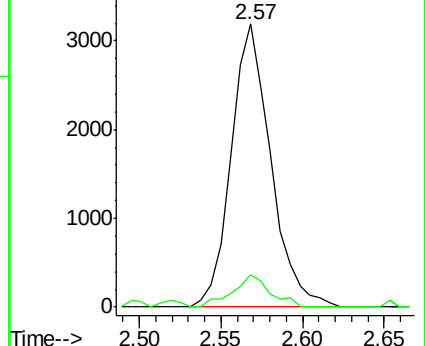
76 100

78 11.5 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 29.823 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008587.D

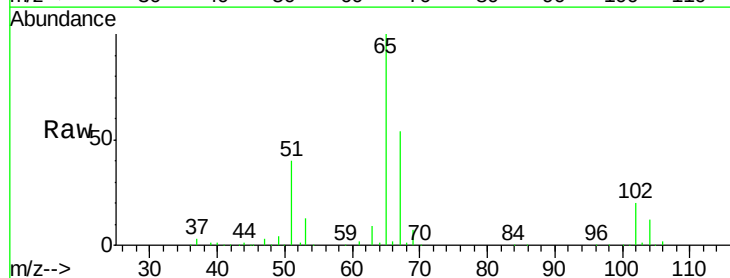
Acq: 02 Apr 2019 11:40

Tgt Ion: 65 Resp: 91494

Ion Ratio Lower Upper

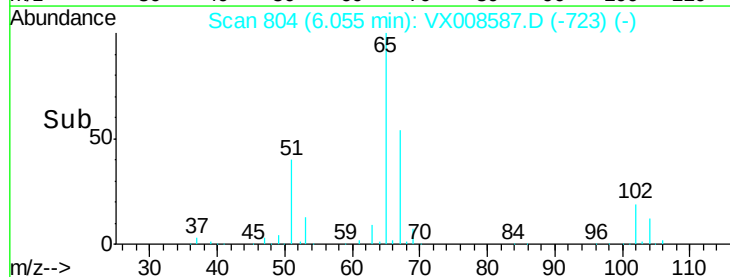
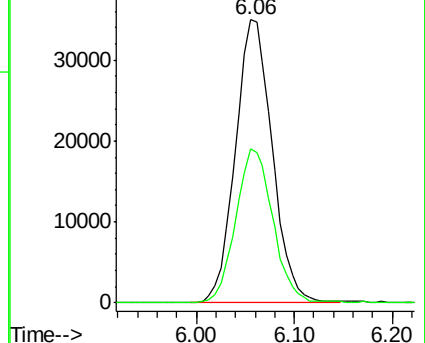
65 100

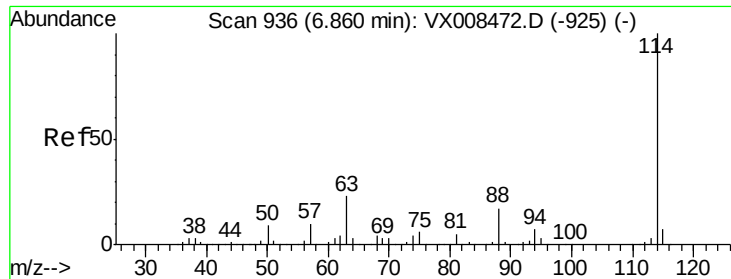
67 54.5 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

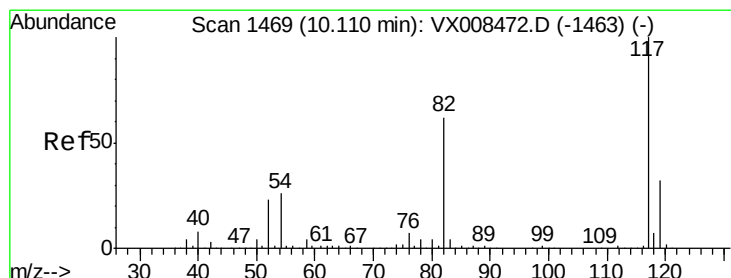
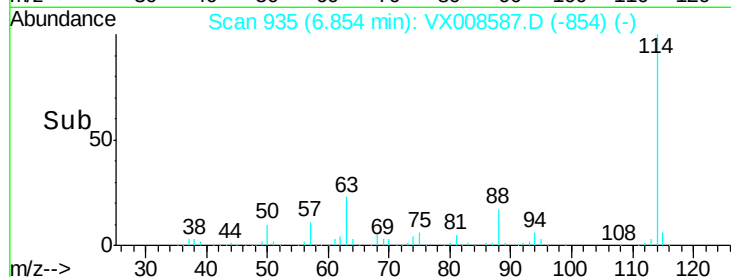
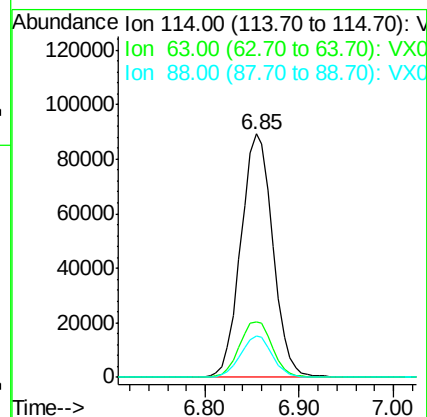
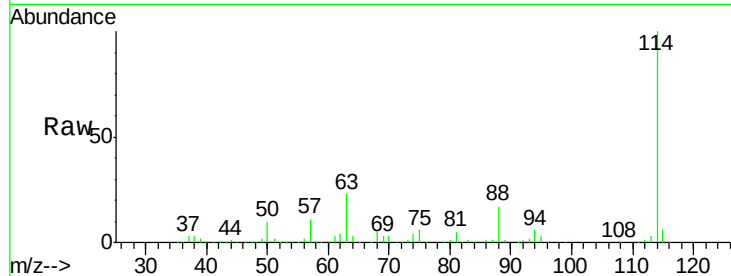




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008587.D
 Acq: 02 Apr 2019 11:40

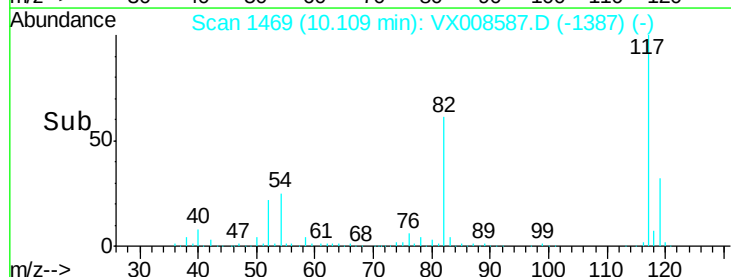
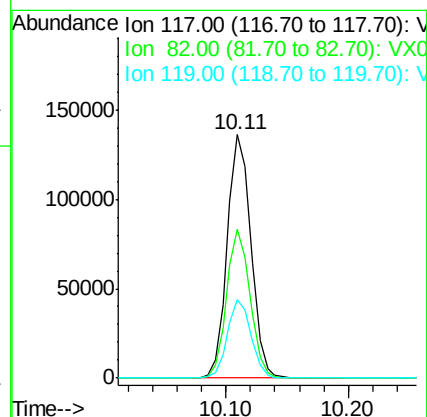
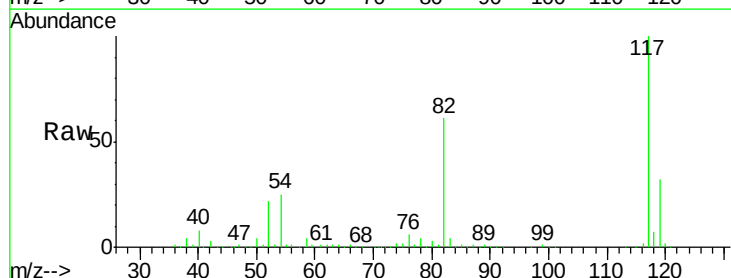
Instrument :
 MSVOA_X
 ClientSampleId :
 EFFL-2

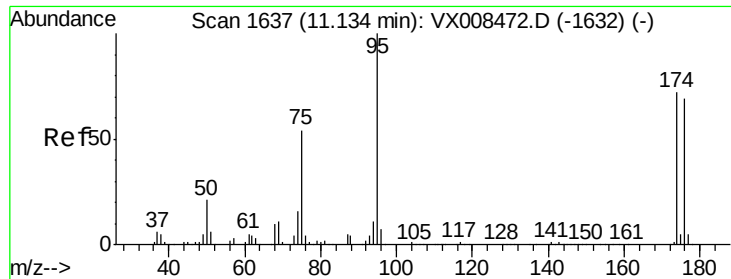
Tot Ion:114 Resp: 211788
 Ion Ratio Lower Upper
 114 100
 63 23.5 14.2 21.4#
 88 16.9 11.9 17.9



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX008587.D
 Acq: 02 Apr 2019 11:40

Tgt Ion:117 Resp: 183662
 Ion Ratio Lower Upper
 117 100
 82 60.6 40.4 60.6
 119 32.0 25.8 38.6

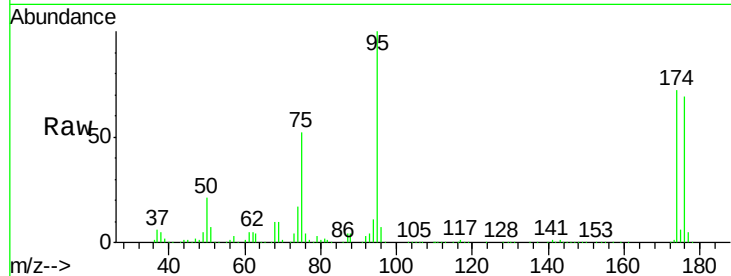




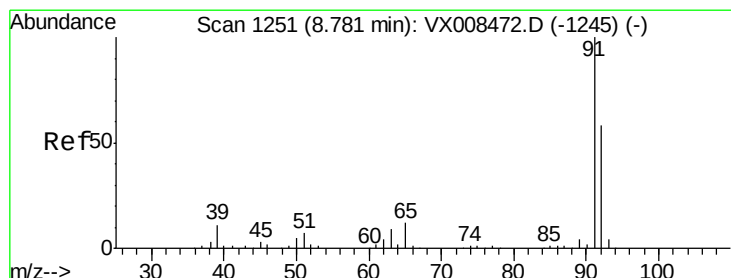
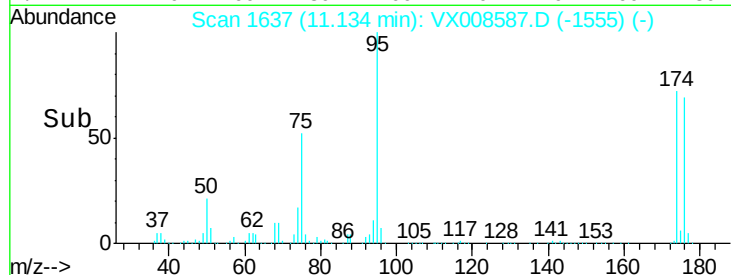
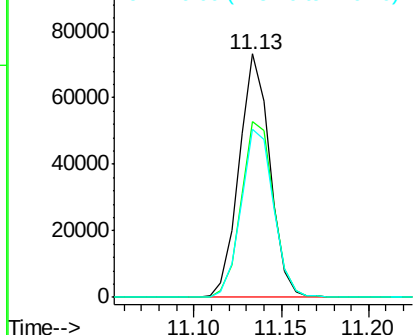
#60
4-Bromofluorobenzene
Concen: 28.029 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008587.D
Acq: 02 Apr 2019 11:40

Instrument :
MSVOA_X
ClientSampled :
EFFL-2

Tot Ion: 95 Resp: 89693
Ion Ratio Lower Upper
95 100
174 75.6 74.9 112.3
176 72.8 70.7 106.1

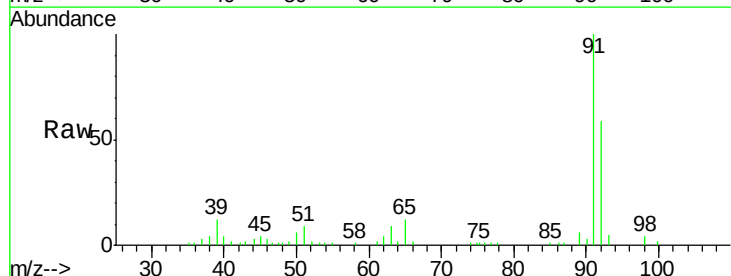


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

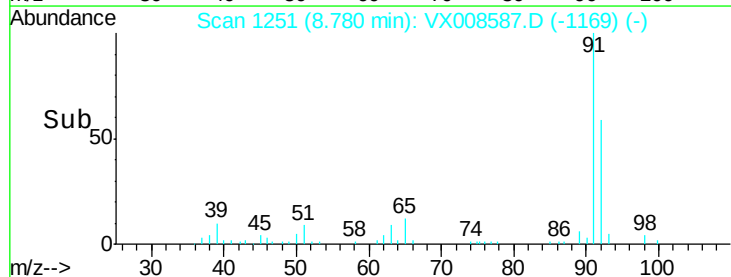
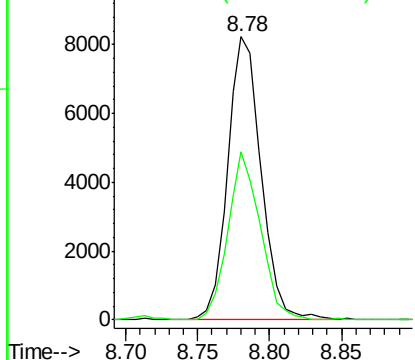


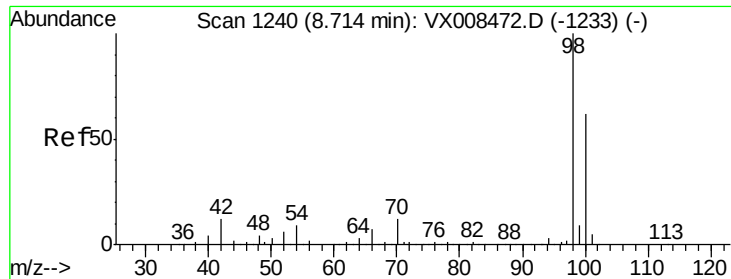
#62
Toluene
Concen: 1.202 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX008587.D
Acq: 02 Apr 2019 11:40

Tgt Ion: 91 Resp: 13369
Ion Ratio Lower Upper
91 100
92 57.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.304 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008587.D

Acq: 02 Apr 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

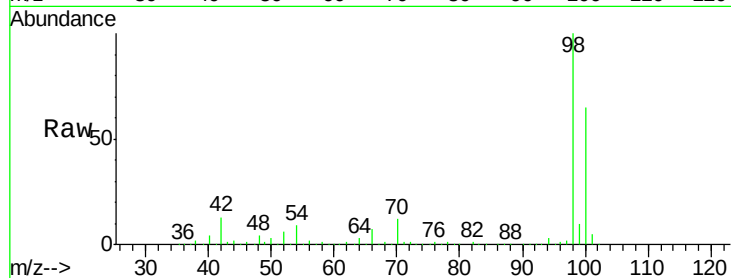
EFFL-2

Tot Ion: 98 Resp: 264190

Ion Ratio Lower Upper

98 100

100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX008472.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008472.D (-1233) (-)

200000

150000

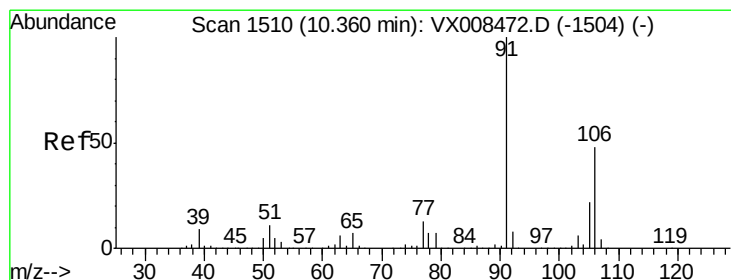
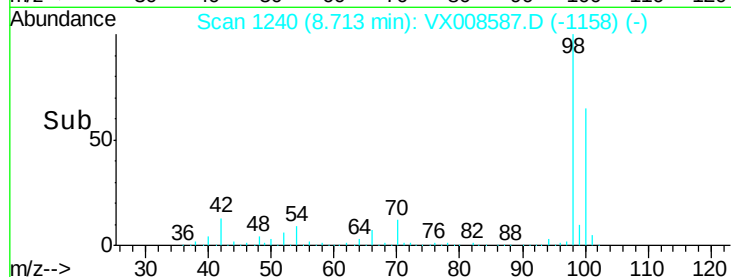
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#67

m/p-Xylenes

Concen: 0.807 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008587.D

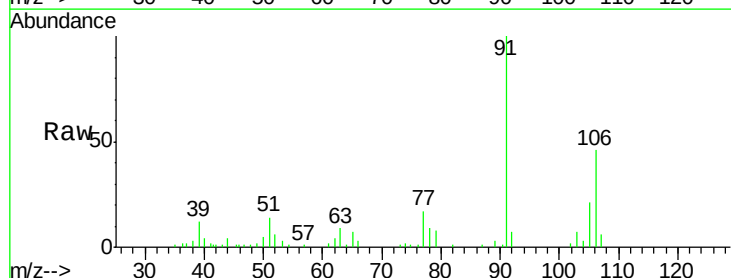
Acq: 02 Apr 2019 11:40

Tgt Ion: 106 Resp: 3631

Ion Ratio Lower Upper

106 100

91 215.0 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): VX008472.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX008472.D (-1504) (-)

6000

5000

4000

3000

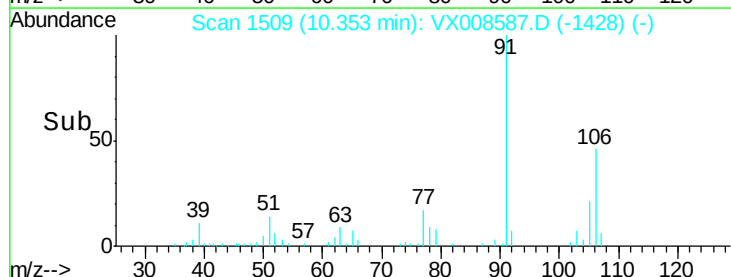
2000

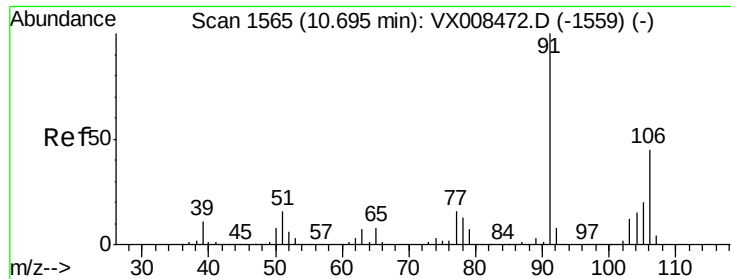
1000

0

10.30 10.35 10.40

Time-->

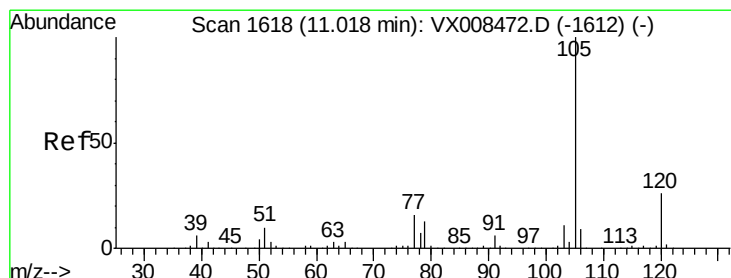
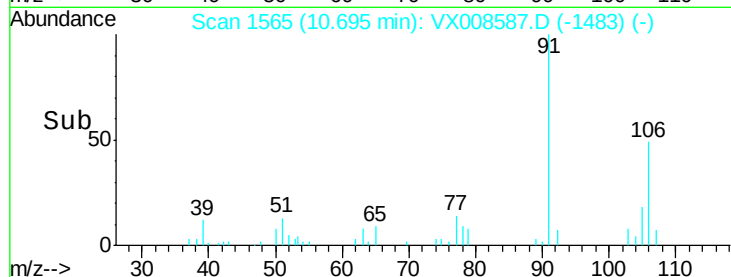
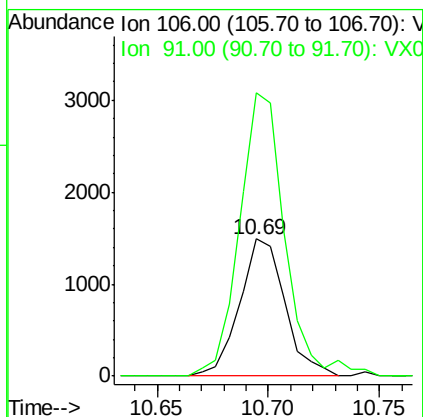
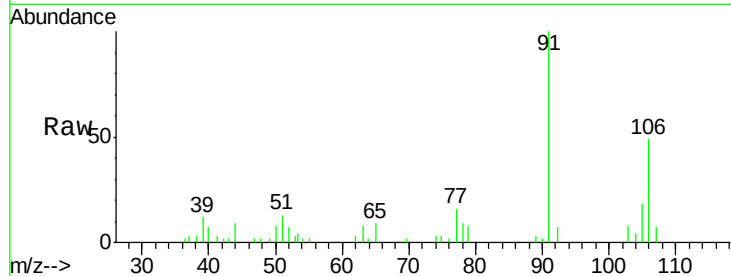




#68
o-Xylene
Concen: 0.481 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008587.D
Acq: 02 Apr 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
EFFL-2

Tot Ion:106 Resp: 2120
Ion Ratio Lower Upper
106 100
91 201.1 104.4 313.2



#70
Isopropylbenzene
Concen: 0.270 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008587.D
Acq: 02 Apr 2019 11:40

Tgt Ion:105 Resp: 3132
Ion Ratio Lower Upper
105 100
120 24.3 19.8 36.8

