

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008490.D
 Acq On : 27 Mar 2019 18:11
 Operator : JC/SP
 Sample : K2099-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C05-SETTLED-2H-A

Quant Time: Mar 28 10:08:25 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	35939	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	207808	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	178946	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	91007	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	11.13	95	89260	28.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.43%
63) Toluene-d8	8.71	98	260127	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

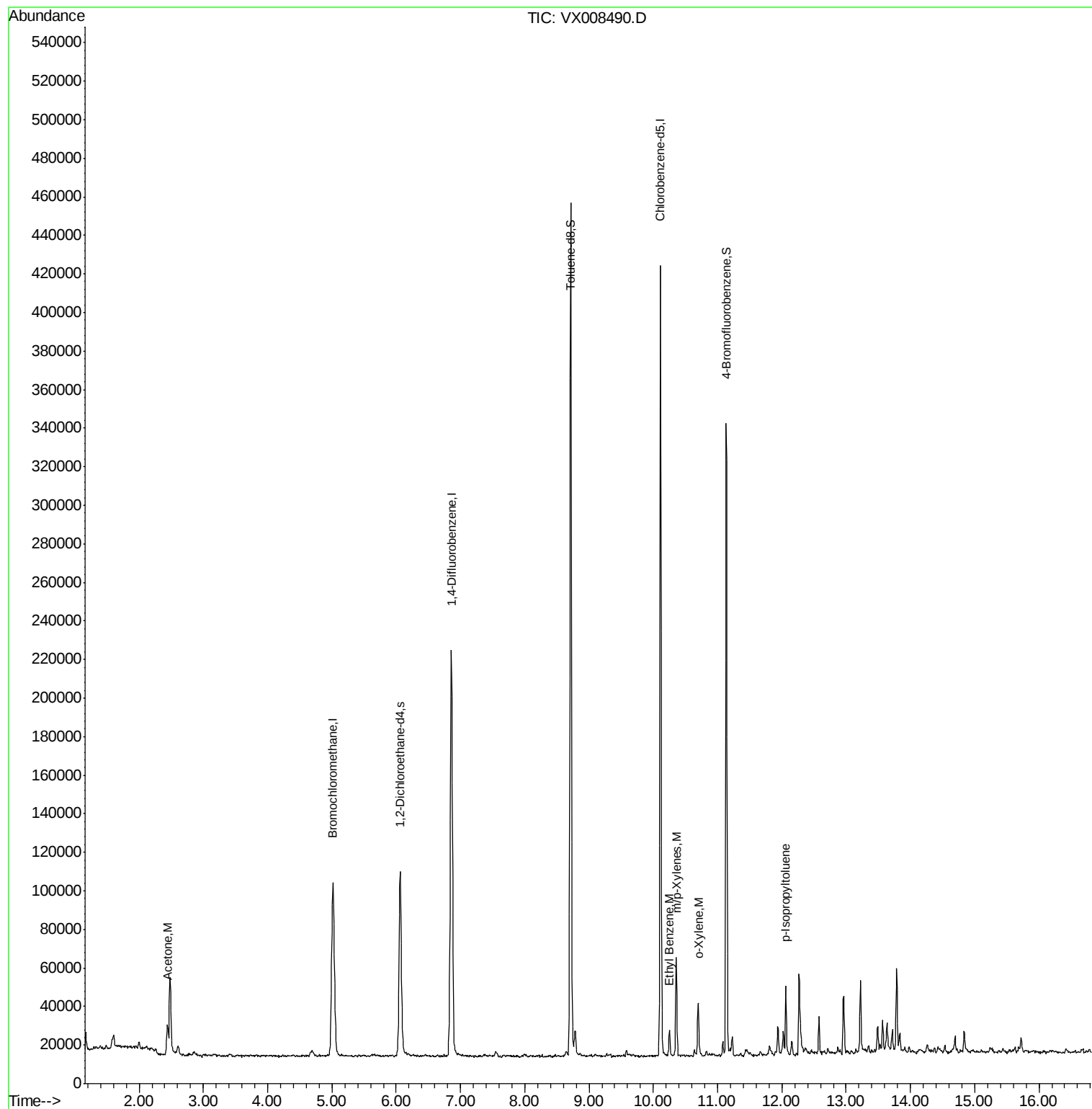
					Ovalue
15) Acetone	2.44	58	5339	10.152	ug/l 97
66) Ethyl Benzene	10.25	91	7519	0.625	ug/l 94
67) m/p-Xylenes	10.36	106	11973	2.730	ug/l 89
68) o-Xylene	10.69	106	5712	1.331	ug/l 91
82) p-Isopropyltoluene	12.06	119	14266	1.442	ug/l 95

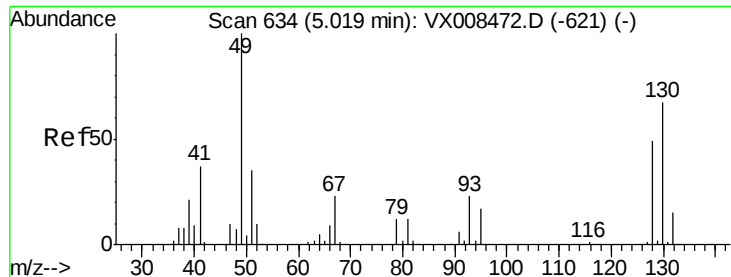
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008490.D

Acq: 27 Mar 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

MH-C05-SETTLED-2H-A

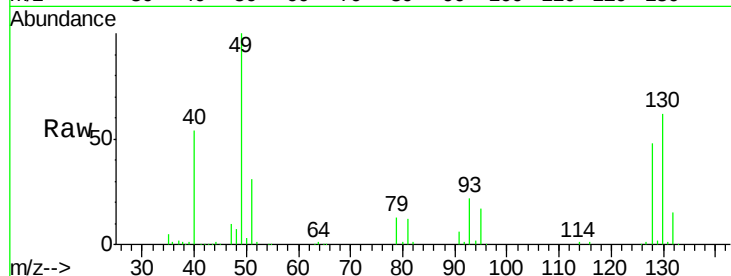
Tot Ion:128 Resp: 35939

Ion Ratio Lower Upper

128 100

49 204.5 0.0 350.8

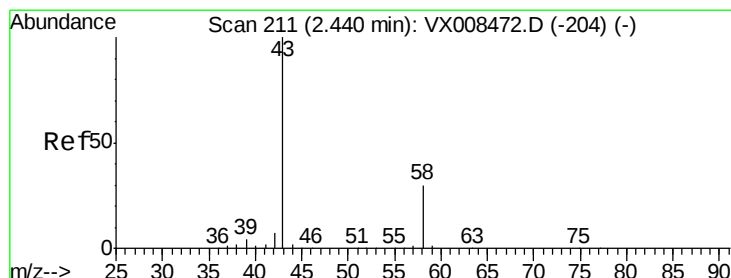
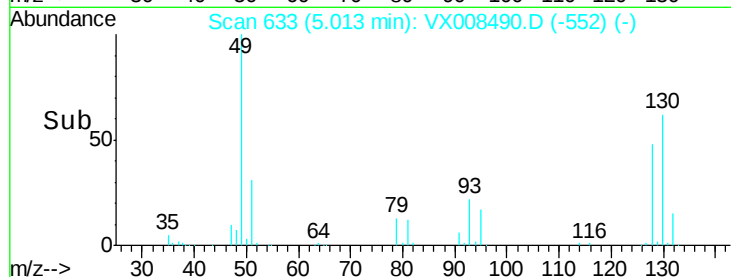
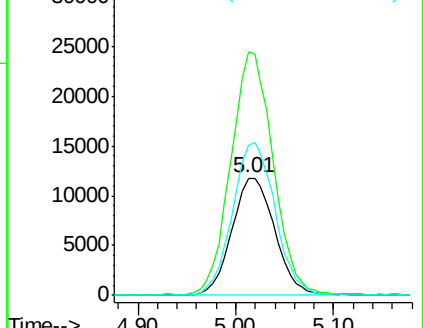
130 129.4 0.0 325.8



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: 10.152 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008490.D

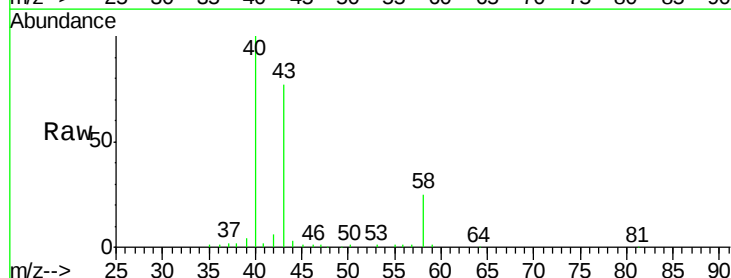
Acq: 27 Mar 2019 18:11

Tgt Ion: 58 Resp: 5339

Ion Ratio Lower Upper

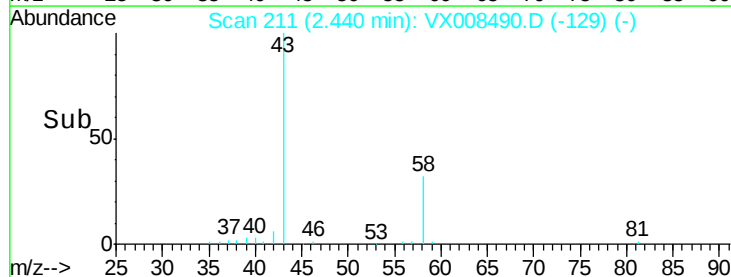
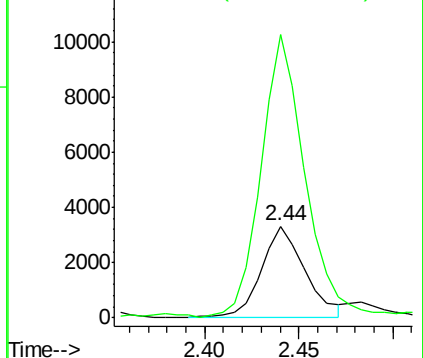
58 100

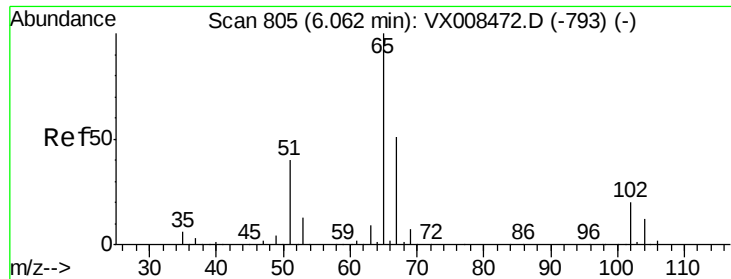
43 305.2 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

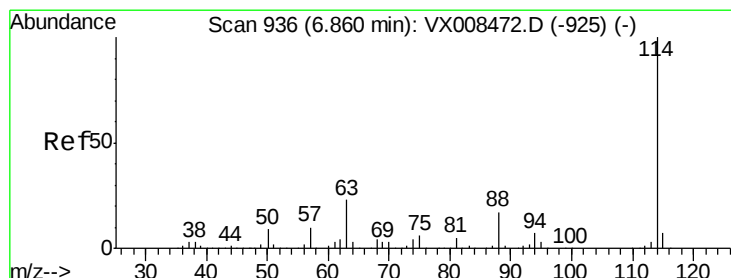
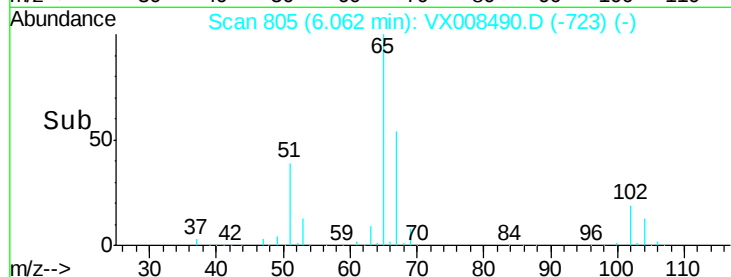
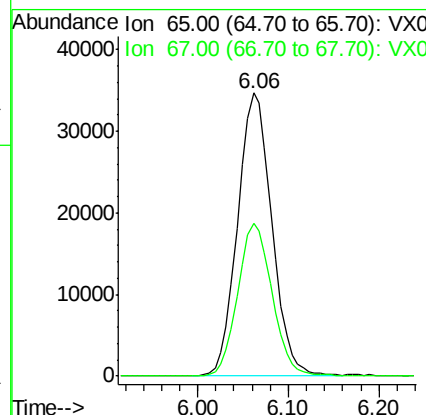
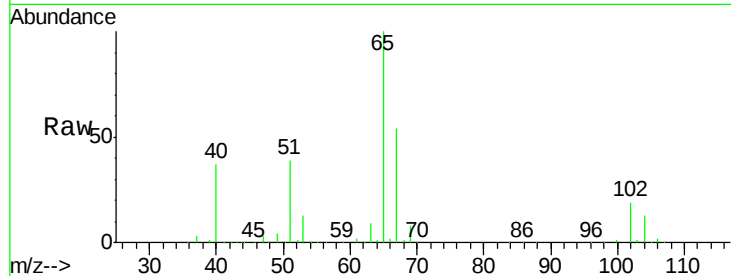




#27
 1,2-Dichloroethane-d4
 Concen: 30.270 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008490.D
 Acq: 27 Mar 2019 18:11

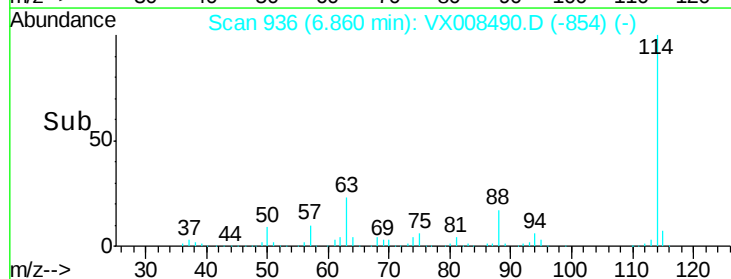
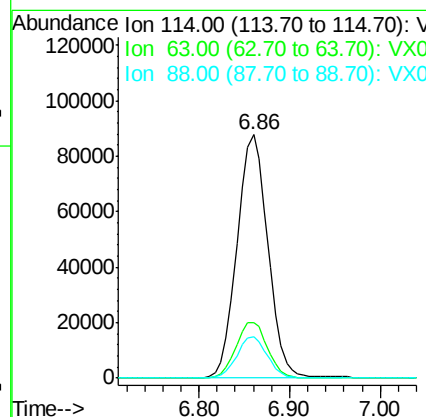
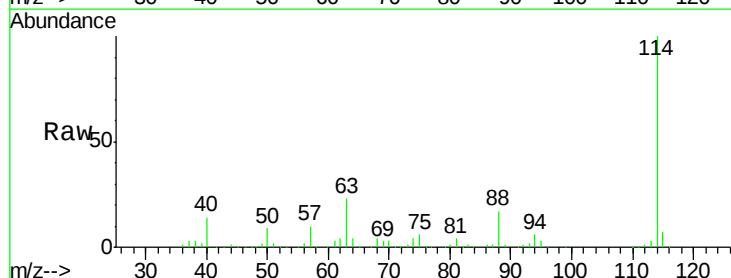
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C05-SETTLED-2H-A

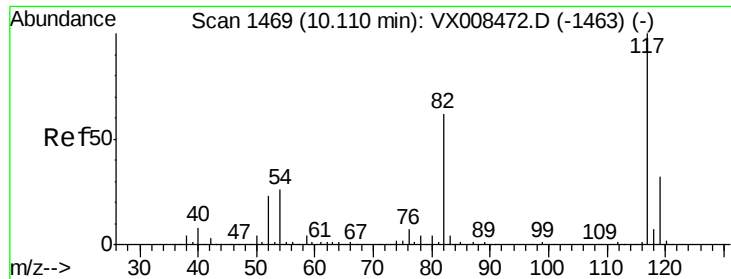
Tot Ion: 65 Resp: 91007
 Ion Ratio Lower Upper
 65 100
 67 54.0 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008490.D
 Acq: 27 Mar 2019 18:11

Tgt Ion: 114 Resp: 207808
 Ion Ratio Lower Upper
 114 100
 63 23.5 14.2 21.4#
 88 16.8 11.9 17.9

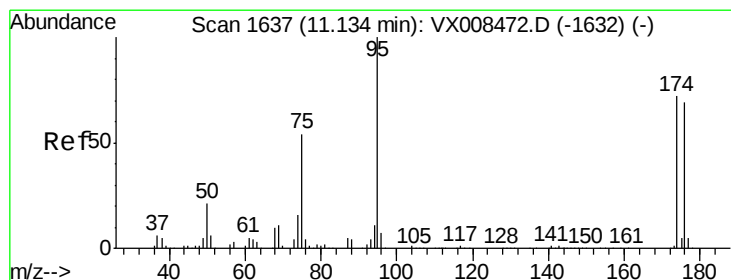
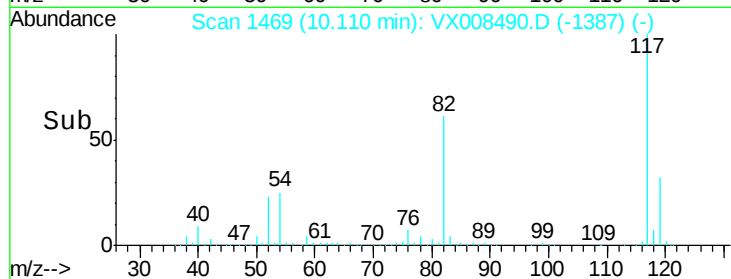
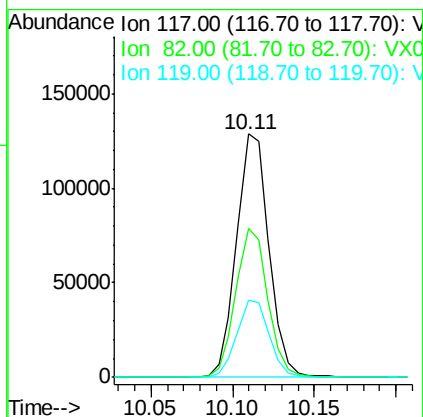
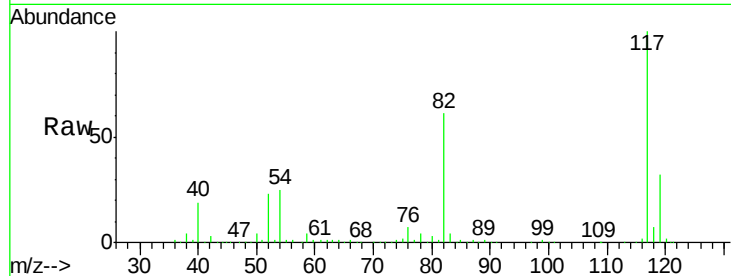




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008490.D
Acq: 27 Mar 2019 18:11

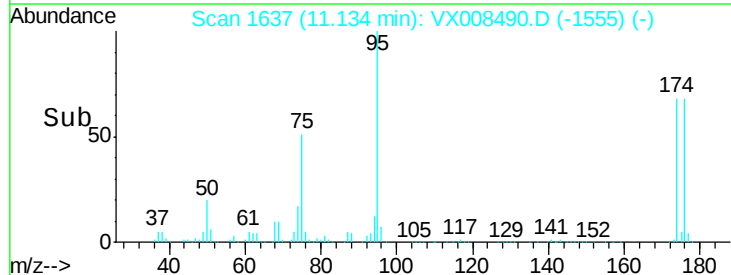
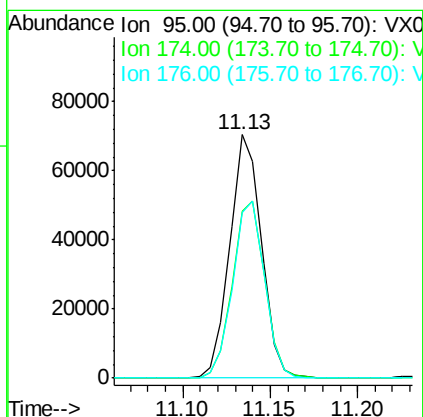
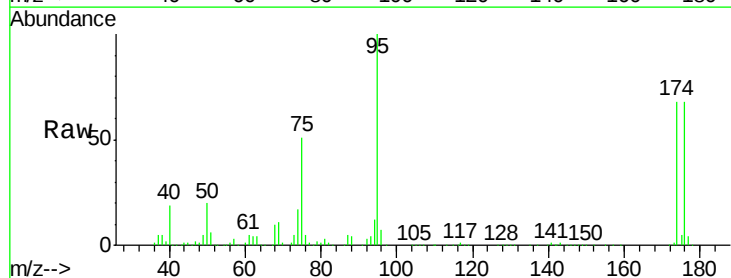
Instrument :
MSVOA_X
ClientSampleId :
MH-C05-SETTLED-2H-A

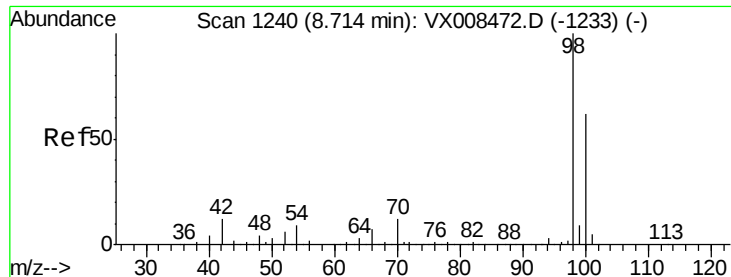
Tot Ion:117 Resp: 178946
Ion Ratio Lower Upper
117 100
82 60.6 40.4 60.6
119 31.9 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.629 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008490.D
Acq: 27 Mar 2019 18:11

Tgt Ion: 95 Resp: 89260
Ion Ratio Lower Upper
95 100
174 73.8 74.9 112.3#
176 73.1 70.7 106.1





#63

Toluene-d8

Concen: 30.624 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008490.D

Acq: 27 Mar 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

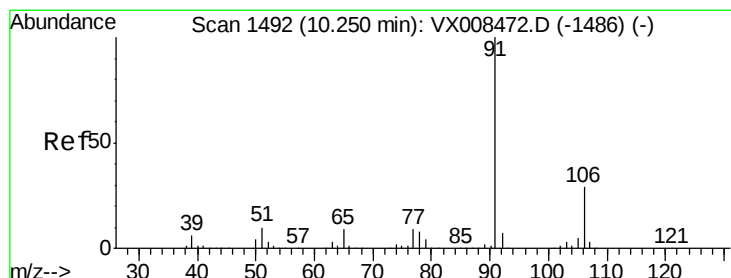
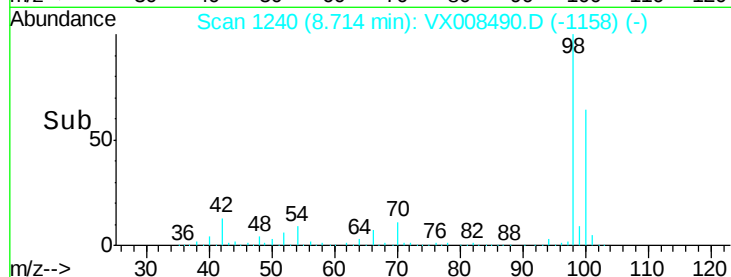
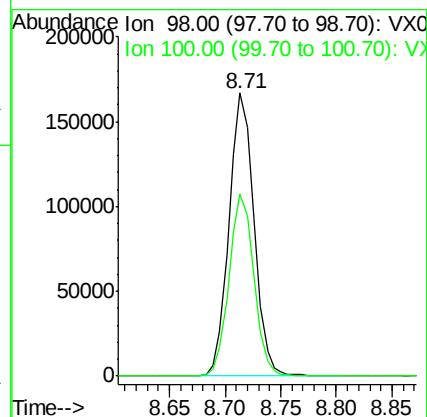
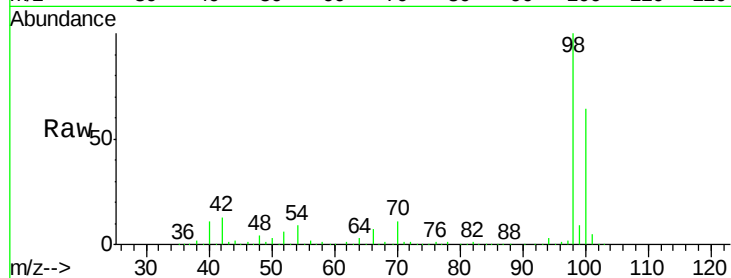
MH-C05-SETTLED-2H-A

Tot Ion: 98 Resp: 260127

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



#66

Ethyl Benzene

Concen: 0.625 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008490.D

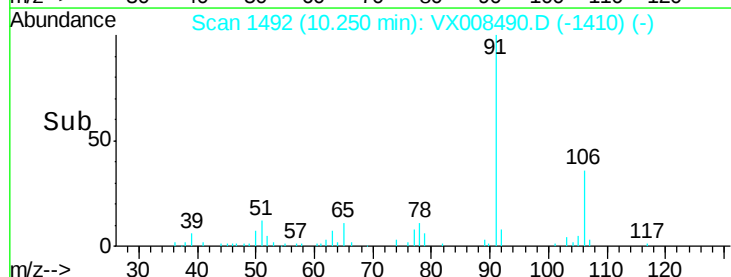
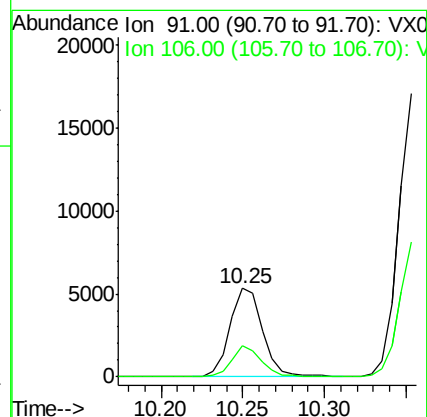
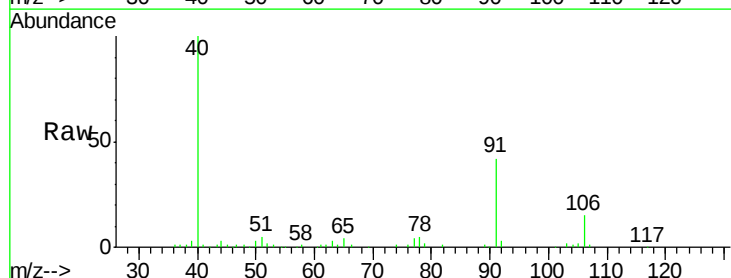
Acq: 27 Mar 2019 18:11

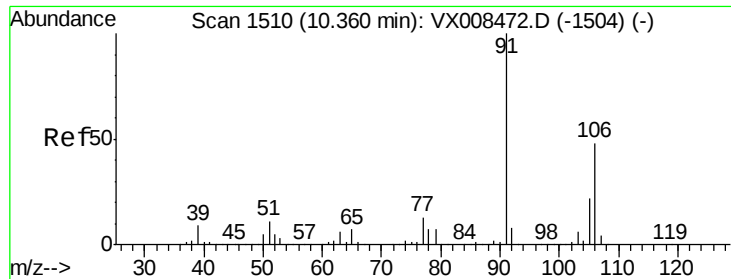
Tgt Ion: 91 Resp: 7519

Ion Ratio Lower Upper

91 100

106 35.6 26.0 39.0





#67

m/p-Xylenes

Concen: 2.730 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008490.D

Acq: 27 Mar 2019 18:11

Instrument :

MSVOA_X

ClientSampleId :

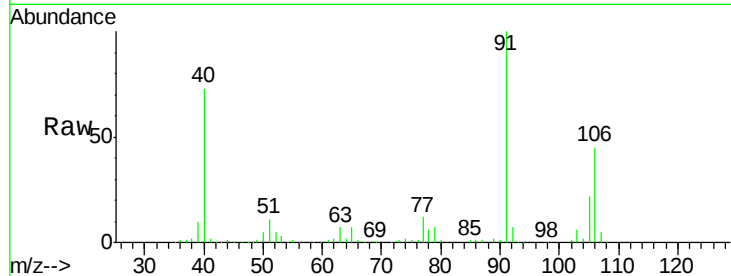
MH-C05-SETTLED-2H-A

Tot Ion:106 Resp: 11973

Ion Ratio Lower Upper

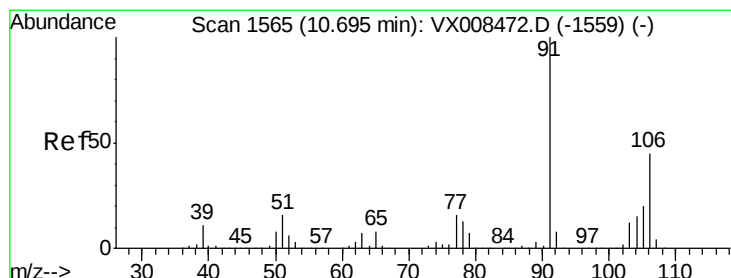
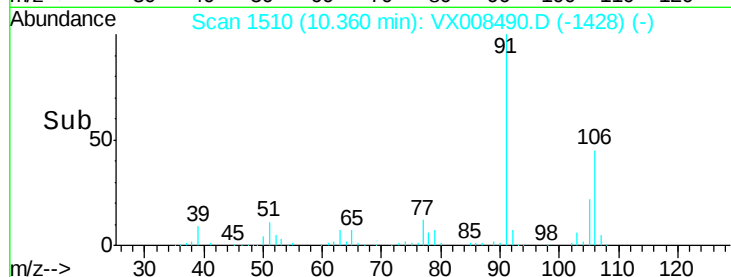
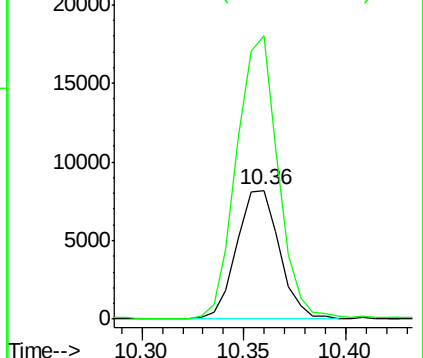
106 100

91 213.2 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 1.331 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX008490.D

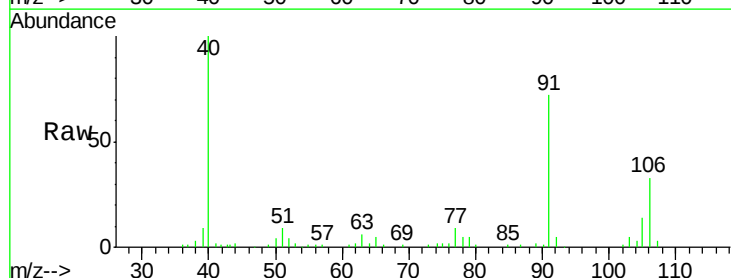
Acq: 27 Mar 2019 18:11

Tgt Ion:106 Resp: 5712

Ion Ratio Lower Upper

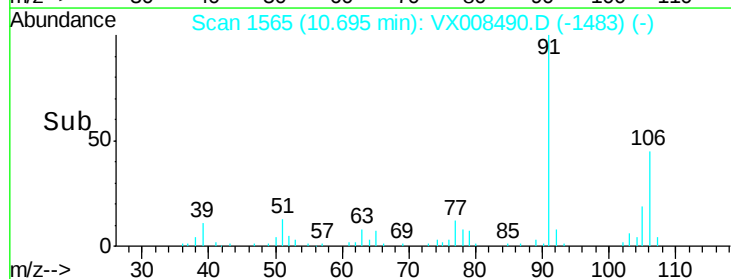
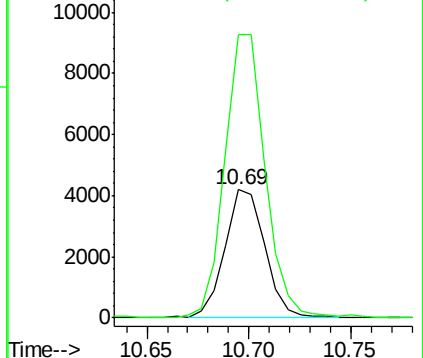
106 100

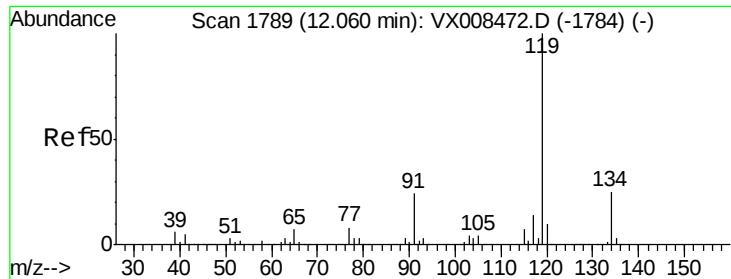
91 222.5 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#82
 p-Isopropyltoluene
 Concen: 1.442 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008490.D
 Acq: 27 Mar 2019 18:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C05-SETTLED-2H-A

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	55.4
91	26.5	0.0	45.0

