

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013699.D
 Acq On : 29 Nov 2019 14:26
 Operator : JC/SP
 Sample : K6027-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1A

Quant Time: Dec 02 06:41:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	696302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1064714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	954559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	443477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	379555	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.49	113	317462	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	8.71	98	1282122	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	433712	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

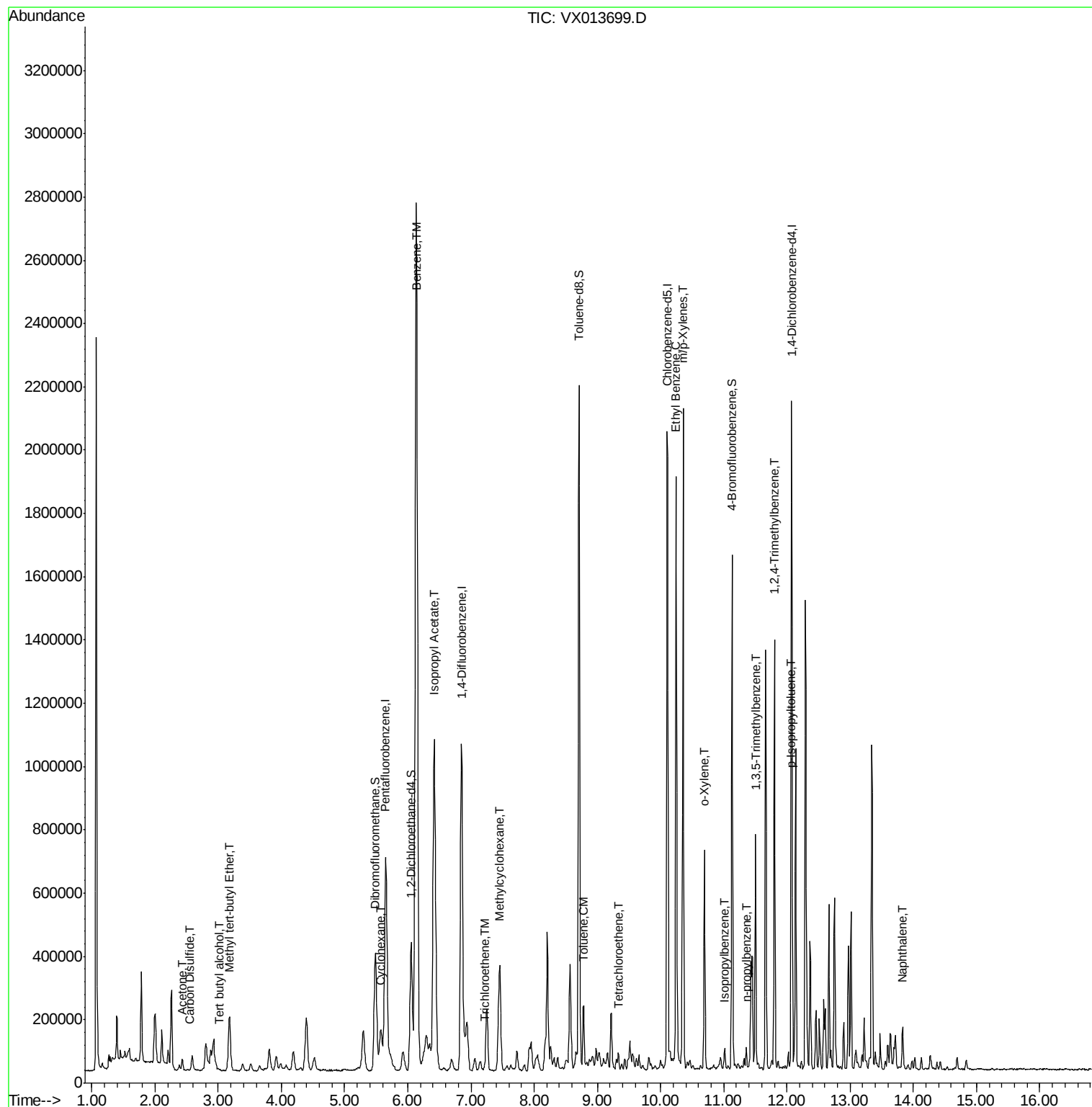
						Qvalue
11) Tert butyl alcohol	3.01	59	5473	2.743	ug/l #	74
16) Acetone	2.43	43	41342	10.360	ug/l	98
17) Carbon Disulfide	2.56	76	6299	0.333	ug/l #	91
19) Methyl tert-butyl Ether	3.18	73	148355	6.758	ug/l #	67
31) Cyclohexane	5.58	56	92848	7.777	ug/l #	96
39) Methylcyclohexane	7.46	83	143663	12.025	ug/l	99
40) Benzene	6.14	78	3341451	113.515	ug/l	99
43) Isopropyl Acetate	6.42	43	378695	21.215	ug/l #	17
44) Trichloroethene	7.21	130	2490	0.308	ug/l	88
52) Toluene	8.78	92	78910	4.315	ug/l	97
64) Tetrachloroethene	9.33	164	12057	1.694	ug/l	95
67) Ethyl Benzene	10.25	91	1065006	31.272	ug/l	98
68) m/p-Xylenes	10.36	106	481798	36.952	ug/l	100
69) o-Xylene	10.70	106	155107	12.197	ug/l	98
73) Isopropylbenzene	11.01	105	31629	1.017	ug/l	97
78) n-propylbenzene	11.35	91	37402	1.077	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	304234	11.933	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	619905	23.957	ug/l	99
86) p-Isopropyltoluene	12.06	119	7579m	0.275	ug/l	
95) Naphthalene	13.83	128	88984	2.962	ug/l	98

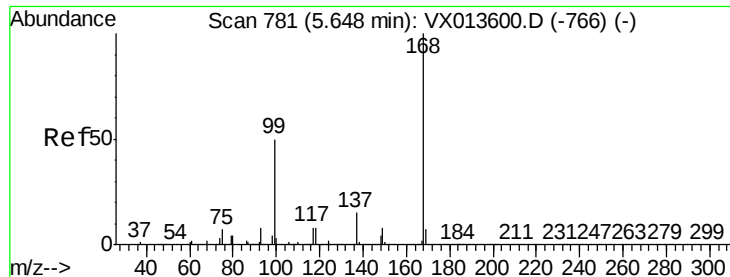
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112919\
Data File : VX013699.D
Acq On : 29 Nov 2019 14:26
Operator : JC/SP
Sample : K6027-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1A

Quant Time: Dec 02 06:41:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

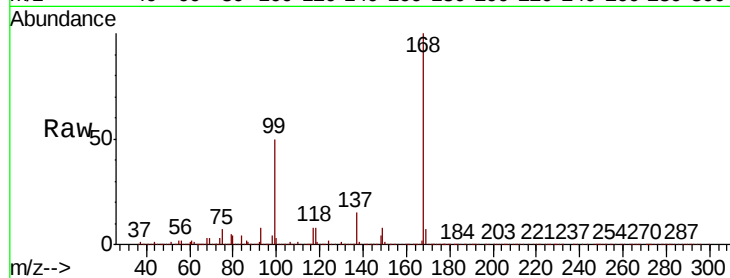
MW-1A

Tot Ion:168 Resp: 696302

Ion Ratio Lower Upper

168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

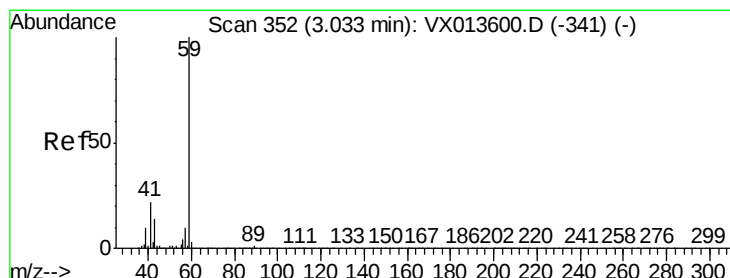
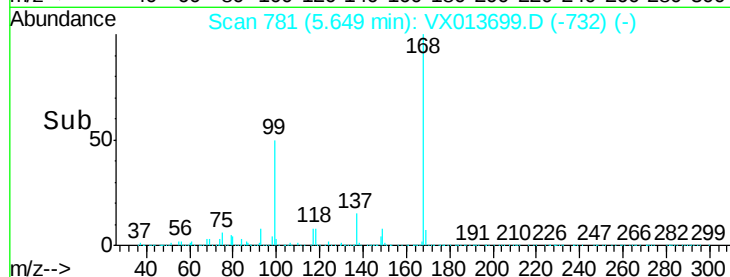
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.743 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013699.D

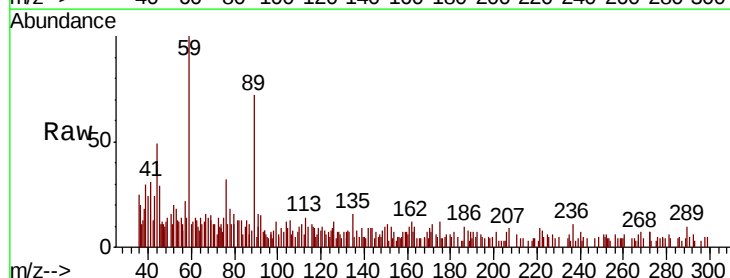
Acq: 29 Nov 2019 14:26

Tgt Ion: 59 Resp: 5473

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

2000

1500

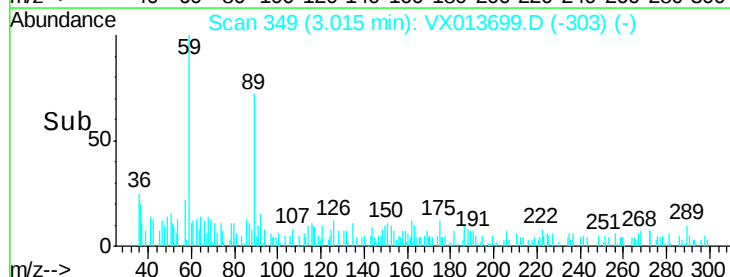
1000

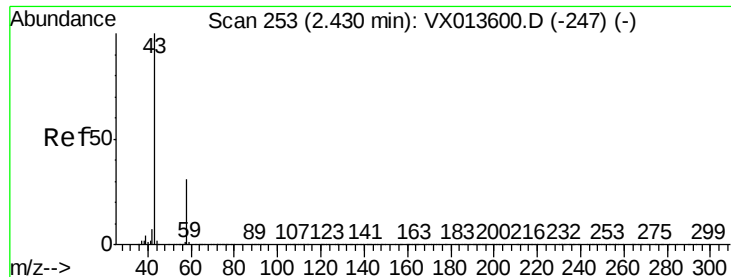
500

0

Time-->

2.95 3.00 3.05





#16

Acetone

Concen: 10.360 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

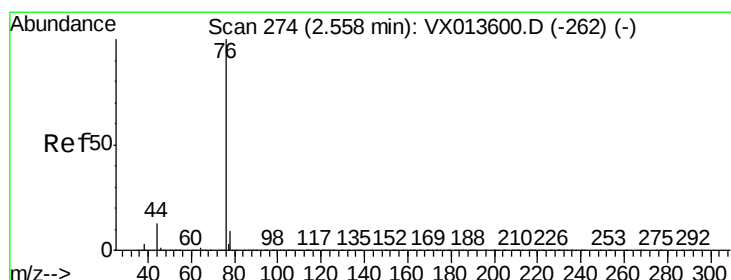
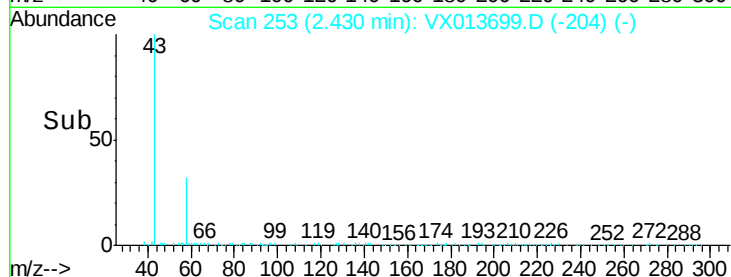
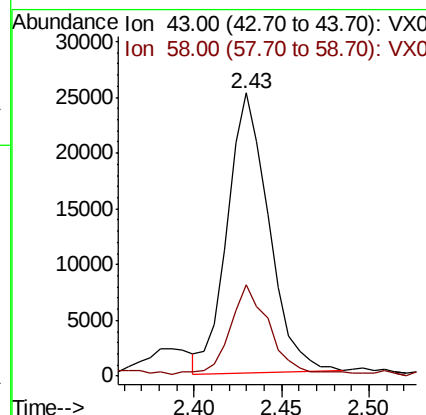
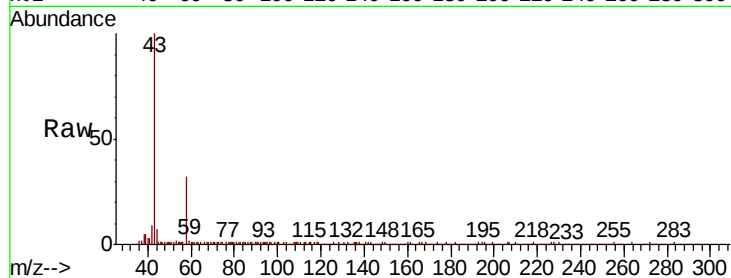
MW-1A

Tot Ion: 43 Resp: 41342

Ion Ratio Lower Upper

43 100

58 31.7 24.6 36.8



#17

Carbon Disulfide

Concen: 0.333 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013699.D

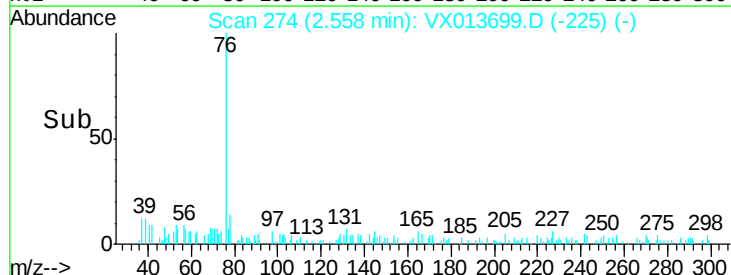
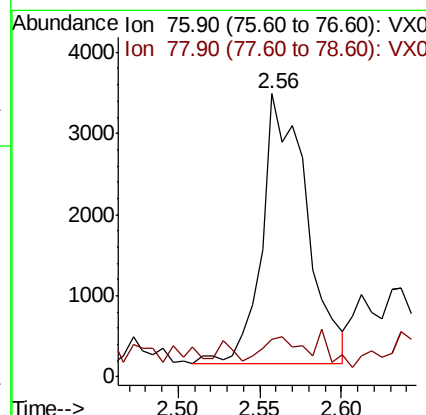
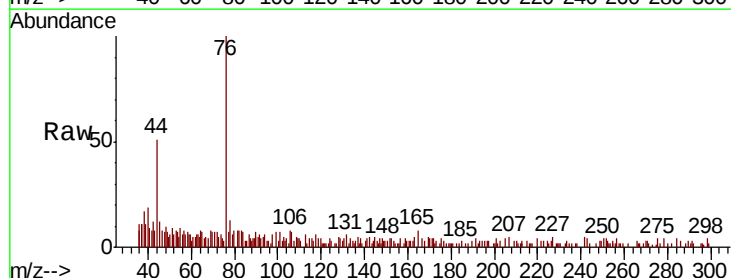
Acq: 29 Nov 2019 14:26

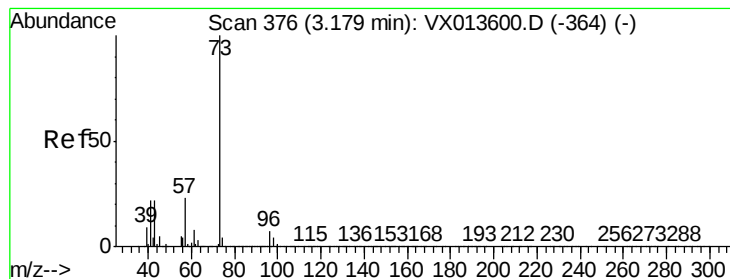
Tgt Ion: 76 Resp: 6299

Ion Ratio Lower Upper

76 100

78 5.6 7.2 10.8#



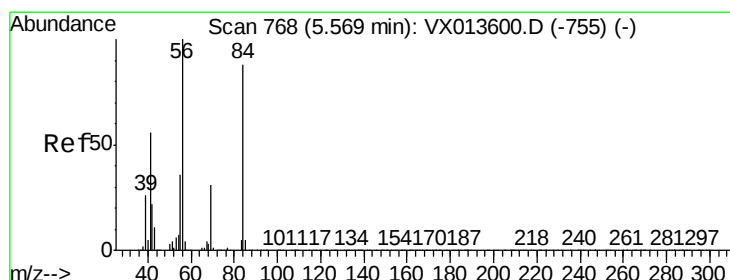
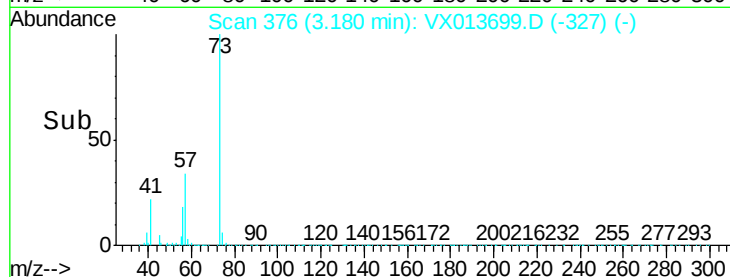
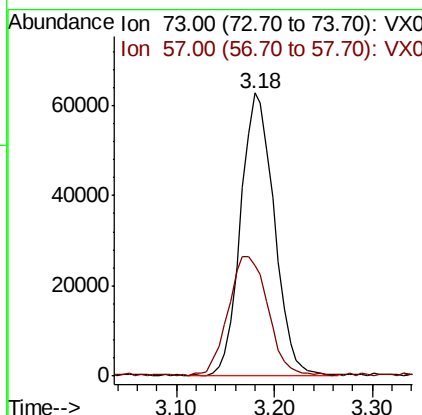
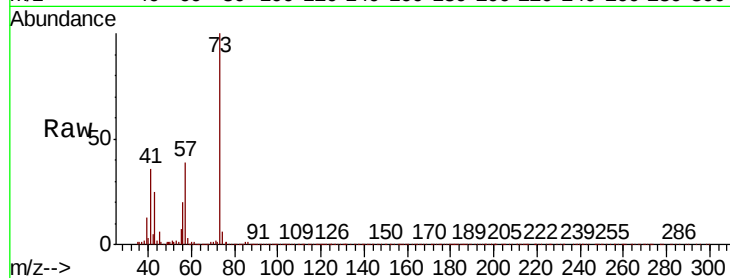


#19

Methyl tert-butyl Ether
 Concen: 6.758 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013699.D
 Acq: 29 Nov 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1A

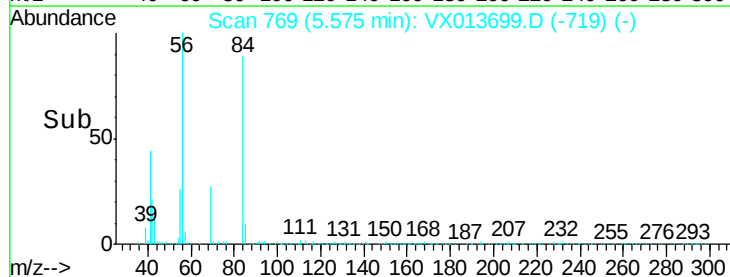
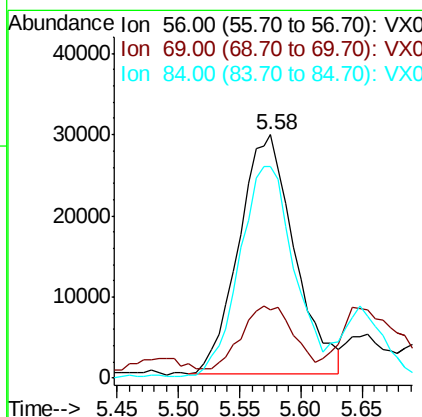
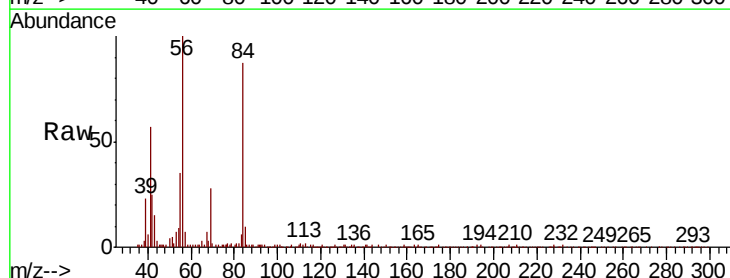
Tot Ion: 73 Resp: 148355
 Ion Ratio Lower Upper
 73 100
 57 39.0 18.3 27.5#

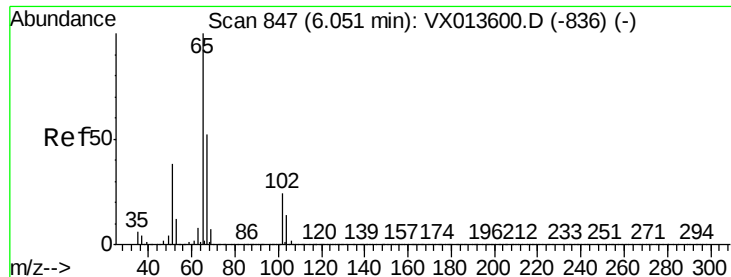


#31

Cyclohexane
 Concen: 7.777 ug/l
 RT: 5.58 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VX013699.D
 Acq: 29 Nov 2019 14:26

Tgt Ion: 56 Resp: 92848
 Ion Ratio Lower Upper
 56 100
 69 22.5 24.6 36.8#
 84 87.3 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 46.960 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

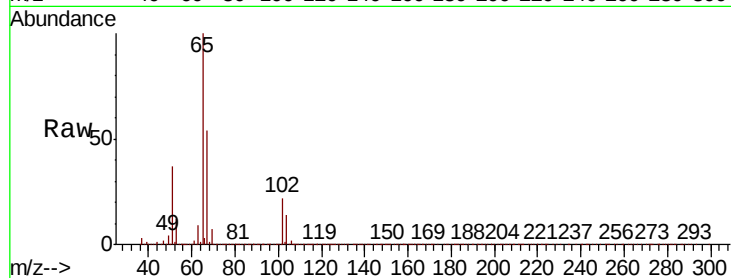
MW-1A

Tot Ion: 65 Resp: 379555

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

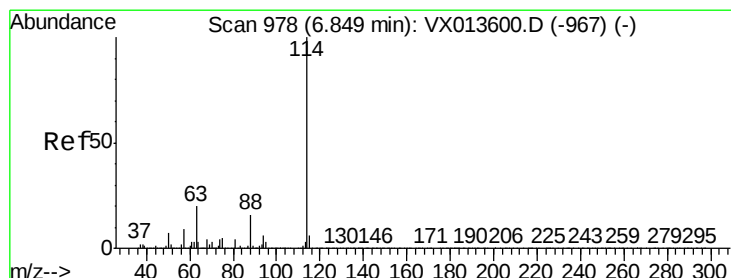
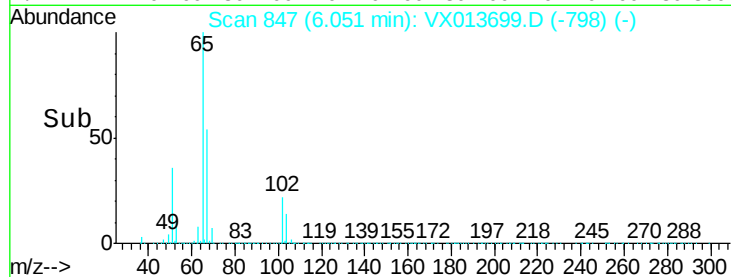
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

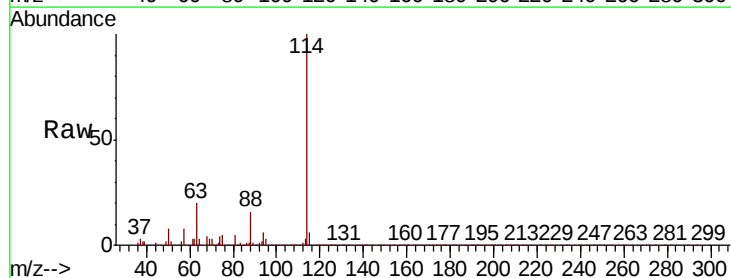
Tgt Ion: 114 Resp: 1064714

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.9 0.0 31.4



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

600000

500000

400000

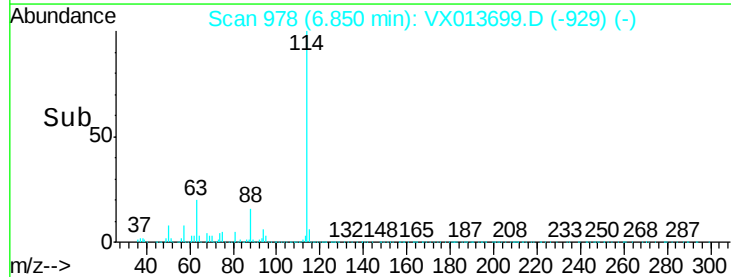
300000

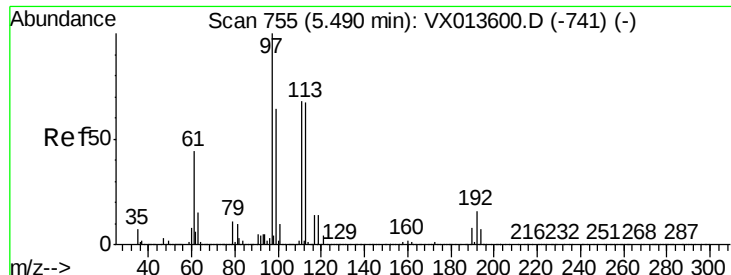
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.230 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1A

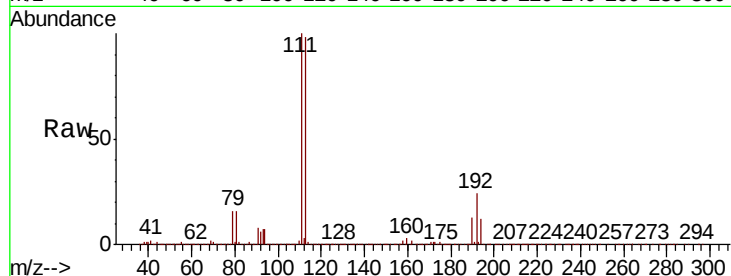
Tot Ion:113 Resp: 317462

Ion Ratio Lower Upper

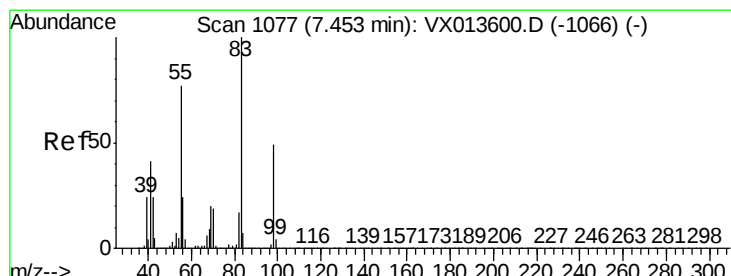
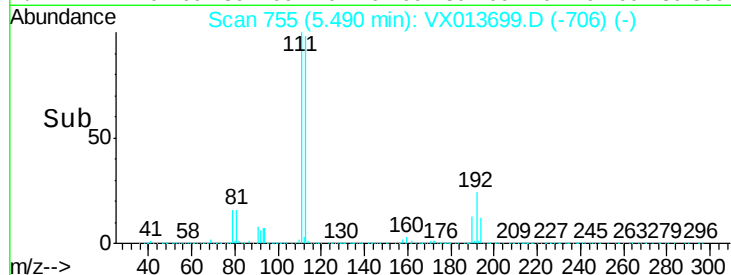
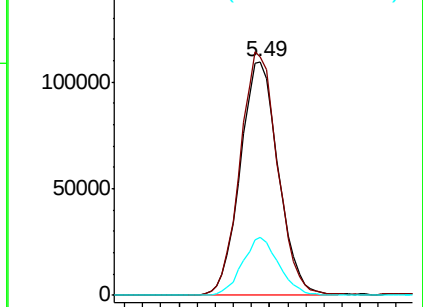
113 100

111 103.0 83.6 125.4

192 23.7 19.2 28.8



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



#39

Methylcyclohexane

Concen: 12.025 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

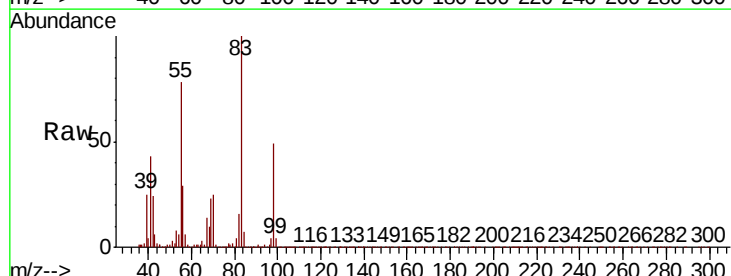
Tgt Ion: 83 Resp: 143663

Ion Ratio Lower Upper

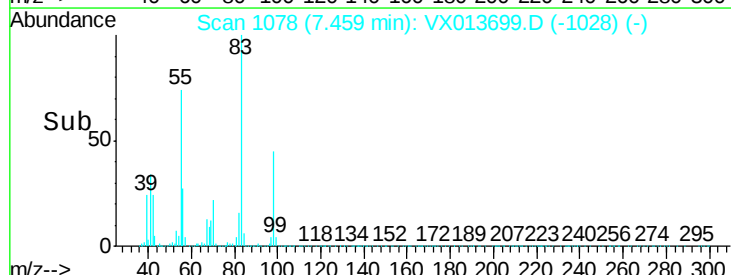
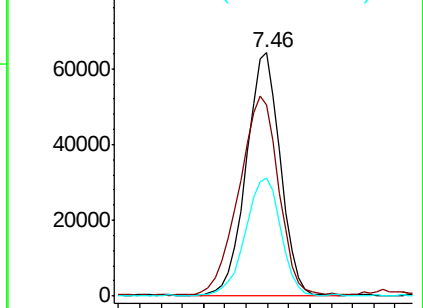
83 100

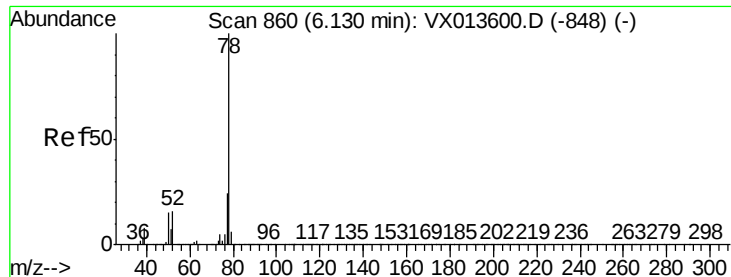
55 78.0 61.9 92.9

98 48.4 39.4 59.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 113.515 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

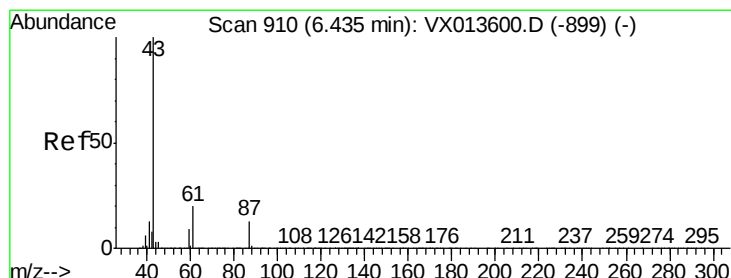
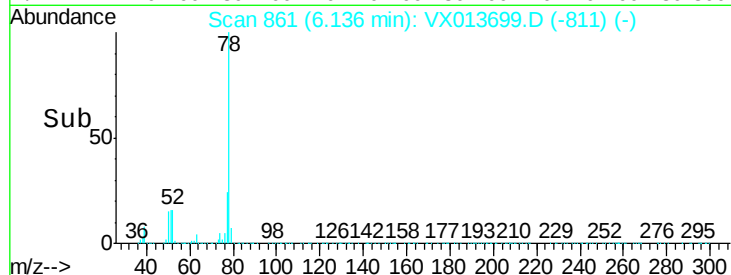
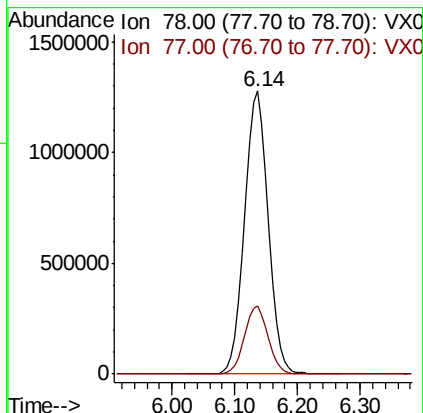
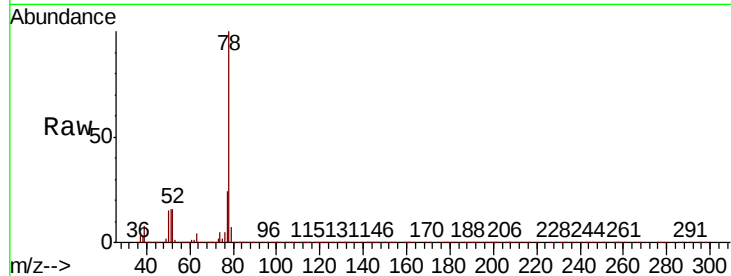
MW-1A

Tot Ion: 78 Resp: 3341451

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4



#43

Isopropyl Acetate

Concen: 21.215 ug/l

RT: 6.42 min Scan# 908

Delta R.T. -0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

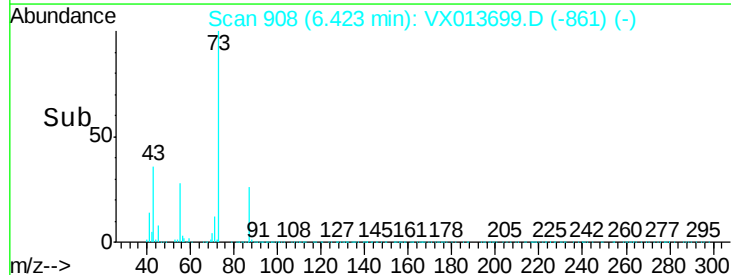
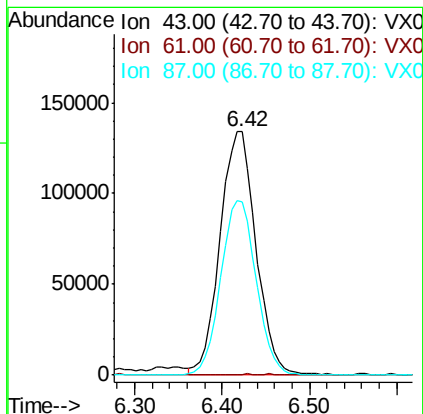
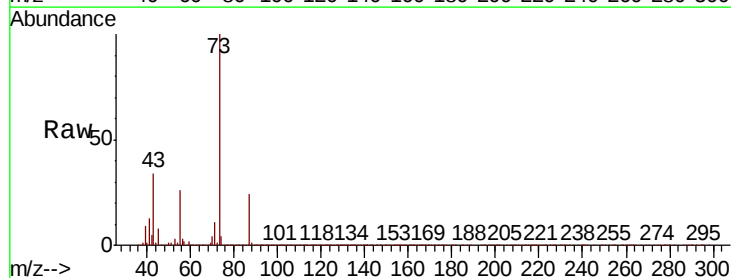
Tgt Ion: 43 Resp: 378695

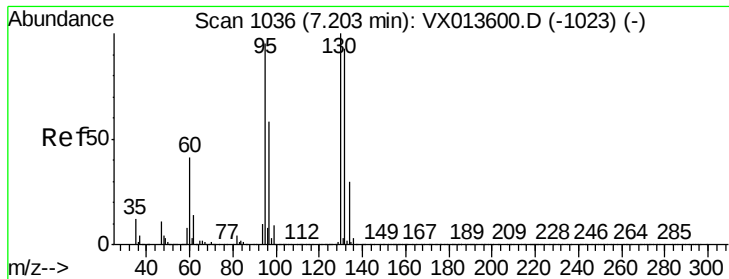
Ion Ratio Lower Upper

43 100

61 0.2 16.3 24.5#

87 70.9 10.8 16.2#





#44

Trichloroethene

Concen: 0.308 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

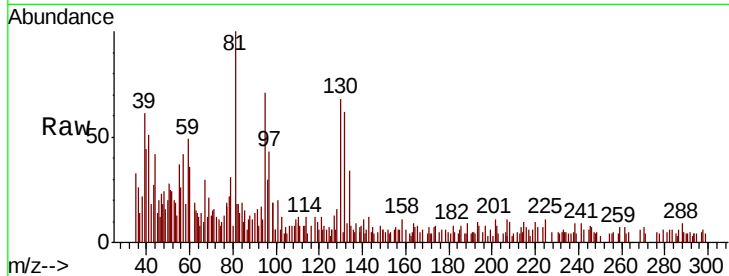
MW-1A

Tot Ion:130 Resp: 2490

Ion Ratio Lower Upper

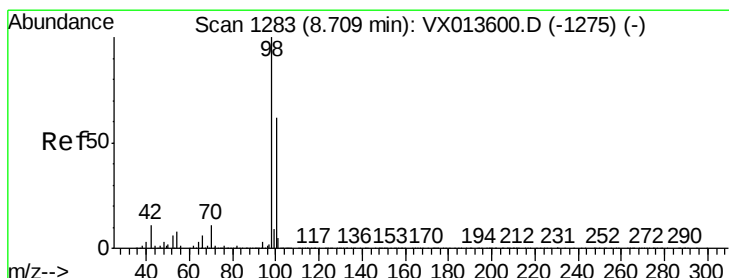
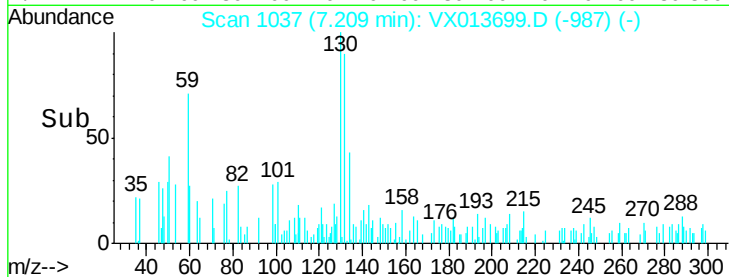
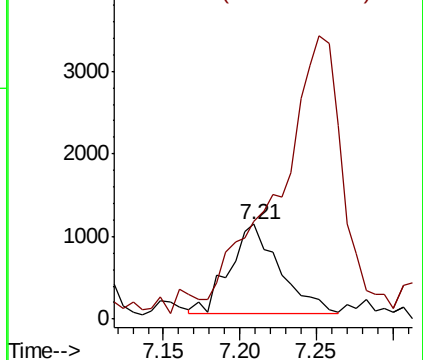
130 100

95 83.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.995 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013699.D

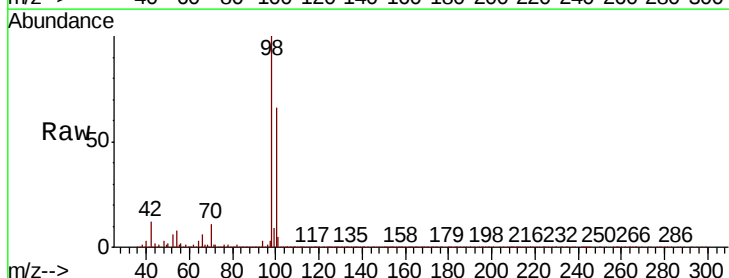
Acq: 29 Nov 2019 14:26

Tgt Ion: 98 Resp: 1282122

Ion Ratio Lower Upper

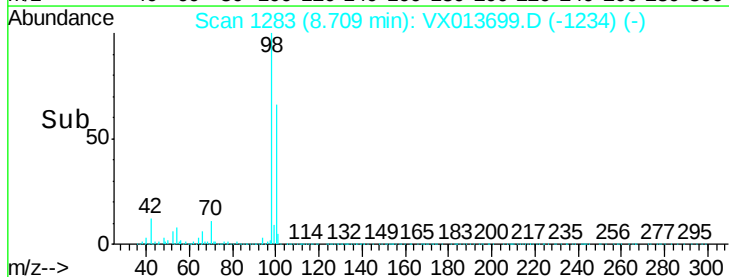
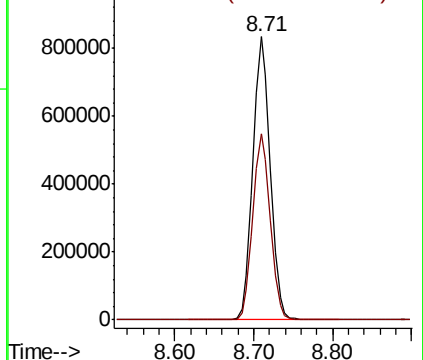
98 100

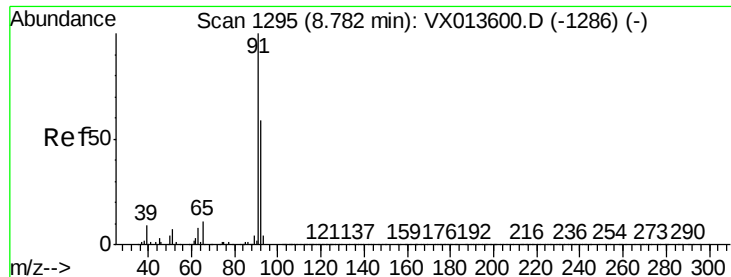
100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 4.315 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

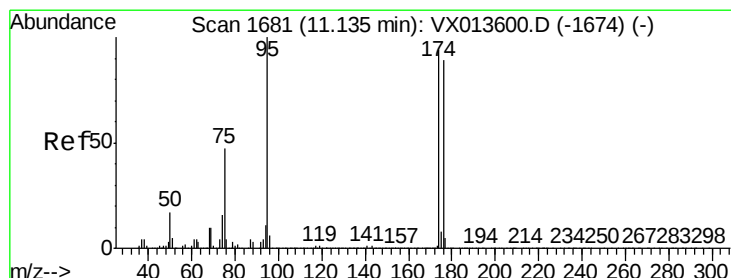
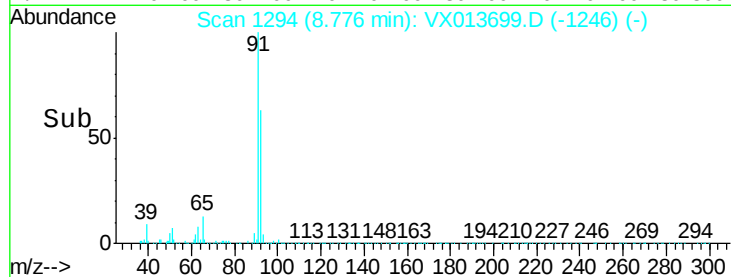
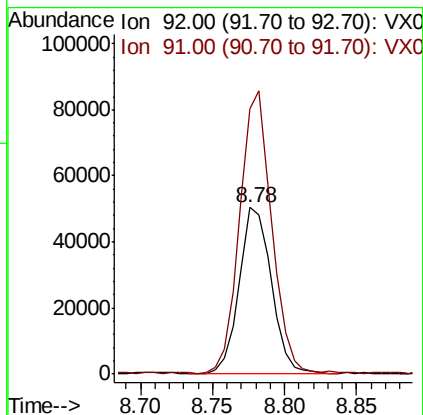
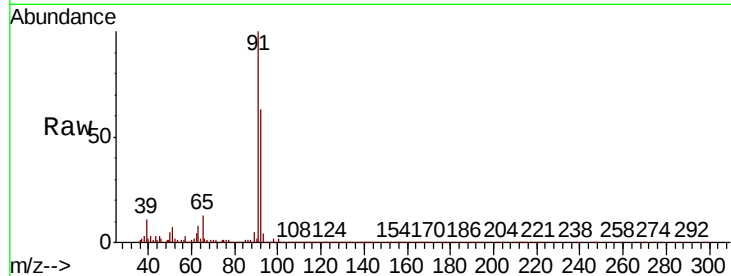
MW-1A

Tot Ion: 92 Resp: 78910

Ion Ratio Lower Upper

92 100

91 165.9 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 46.900 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

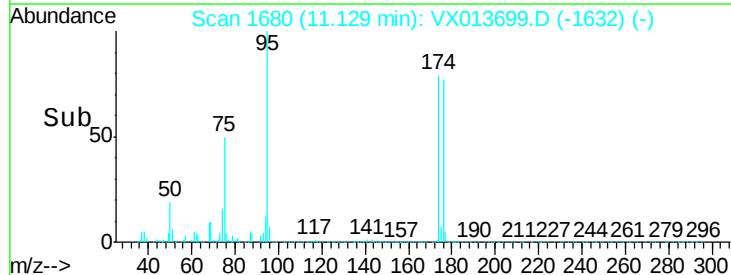
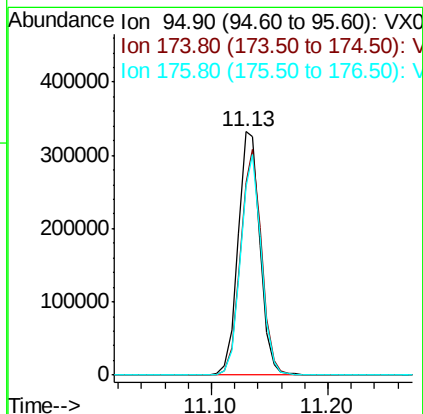
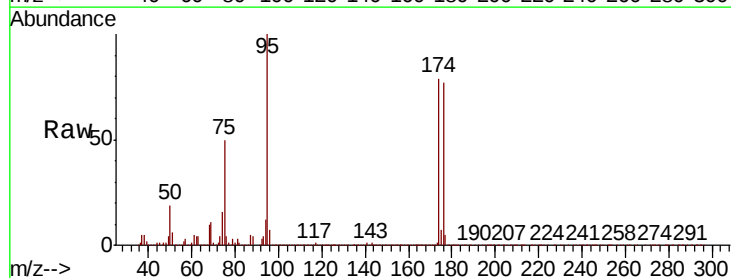
Tgt Ion: 95 Resp: 433712

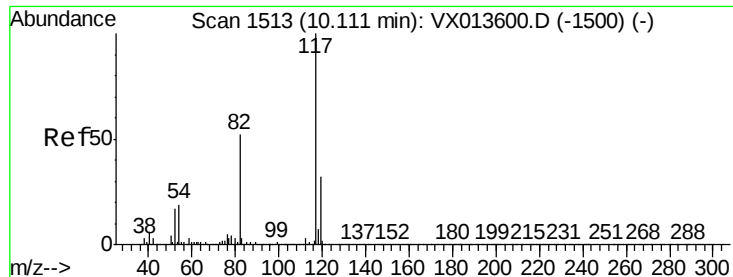
Ion Ratio Lower Upper

95 100

174 89.1 0.0 180.0

176 85.8 0.0 173.6

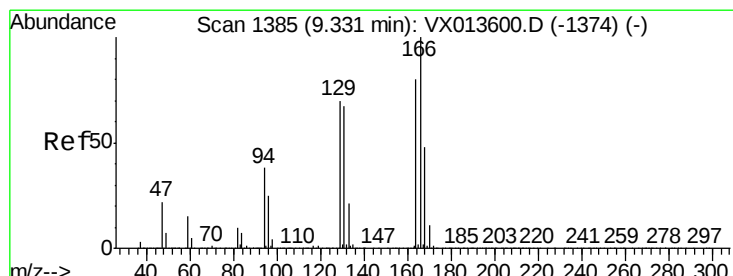
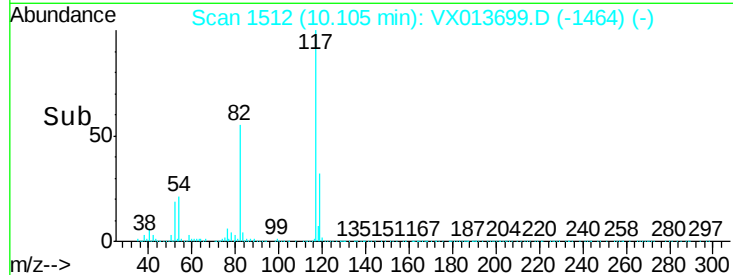
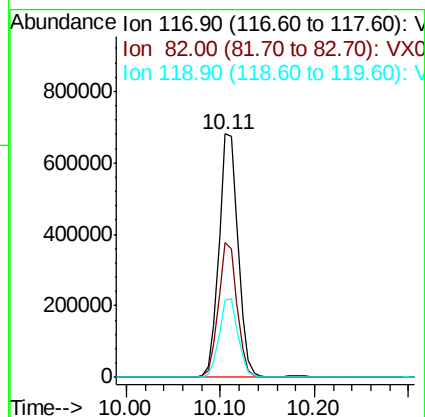
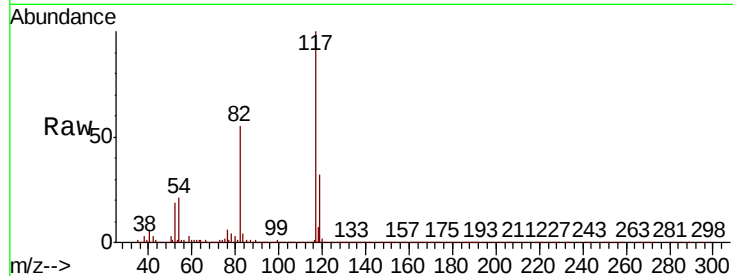




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013699.D
Acq: 29 Nov 2019 14:26

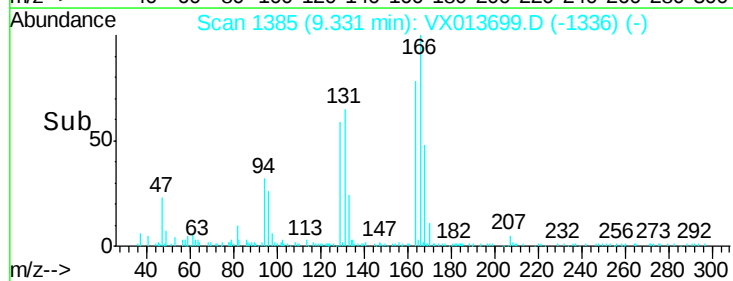
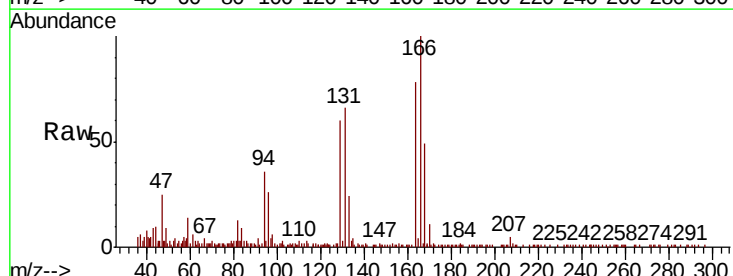
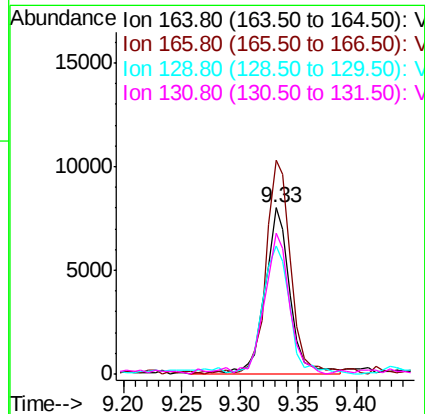
Instrument :
MSVOA_X
ClientSampleId :
MW-1A

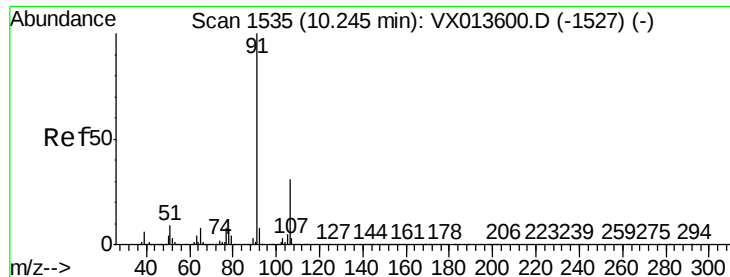
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.8	62.8
119	31.6	25.8	38.8



#64
Tetrachloroethene
Concen: 1.694 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013699.D
Acq: 29 Nov 2019 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	99.7	149.5
129	74.6	70.1	105.1
131	84.6	66.9	100.3





#67

Ethyl Benzene

Concen: 31.272 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

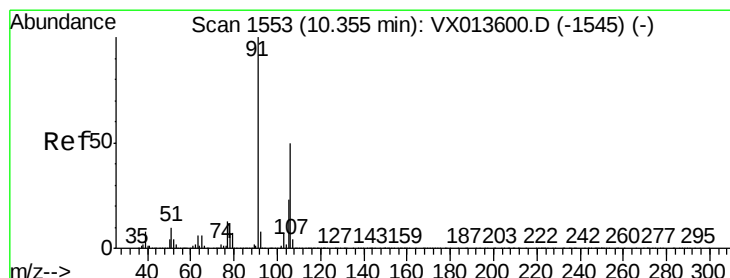
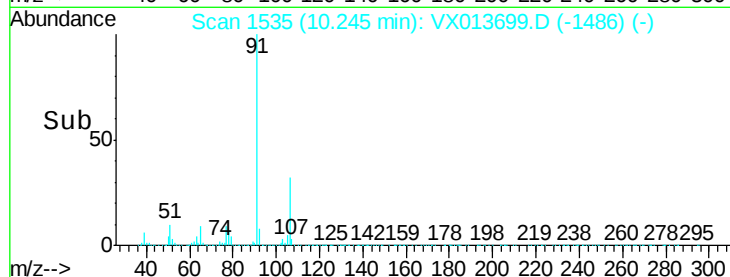
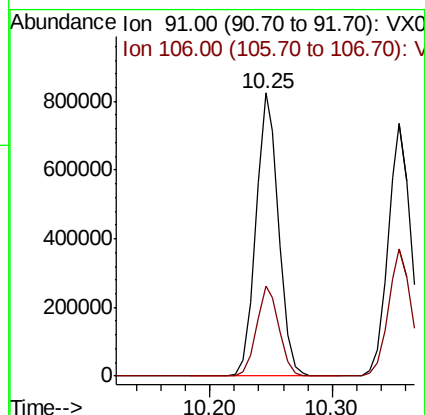
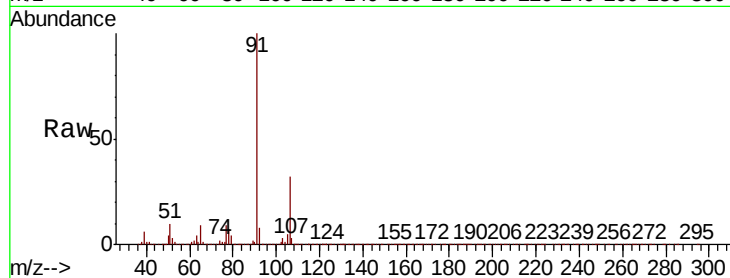
MW-1A

Tot Ion: 91 Resp: 1065006

Ion Ratio Lower Upper

91 100

106 31.8 24.5 36.7



#68

m/p-Xylenes

Concen: 36.952 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013699.D

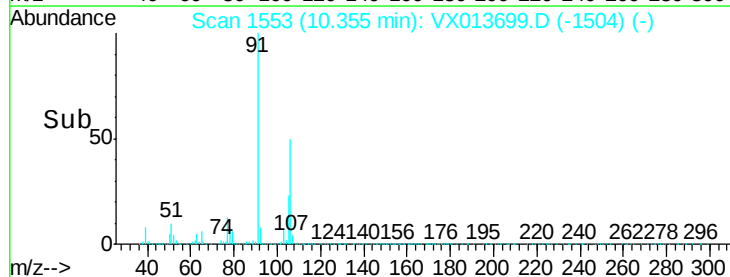
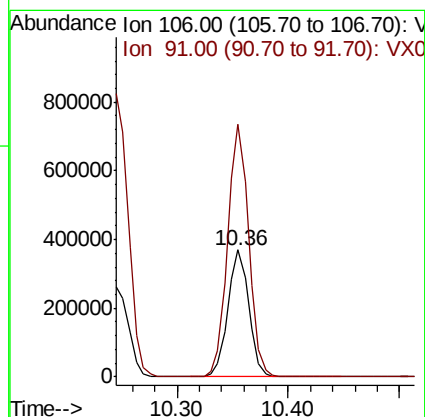
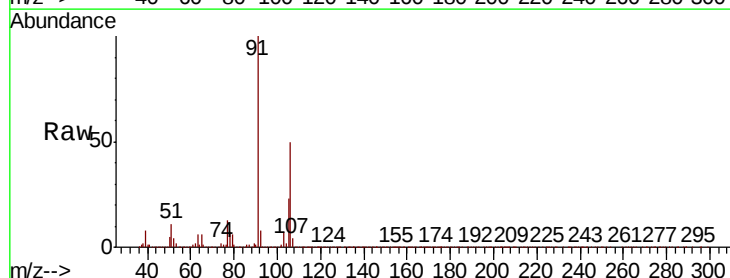
Acq: 29 Nov 2019 14:26

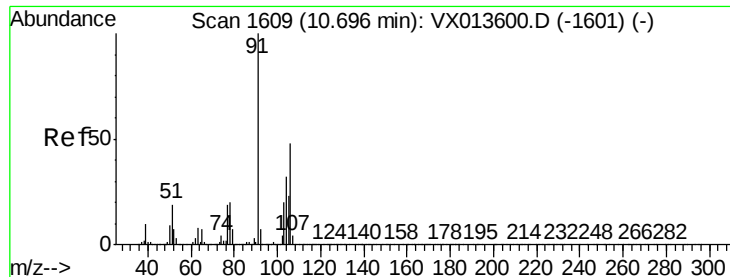
Tgt Ion: 106 Resp: 481798

Ion Ratio Lower Upper

106 100

91 198.7 159.0 238.4

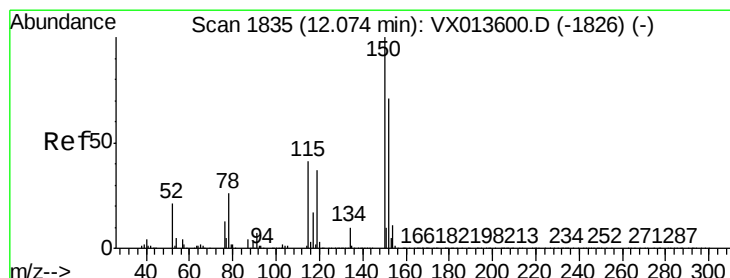
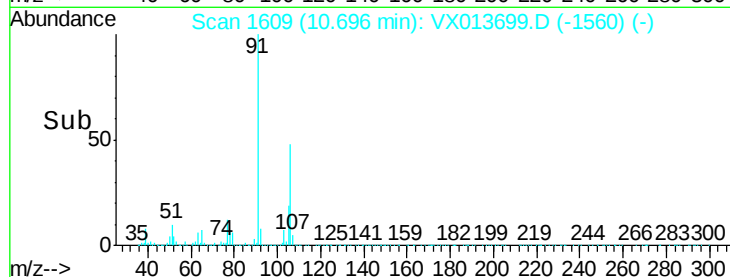
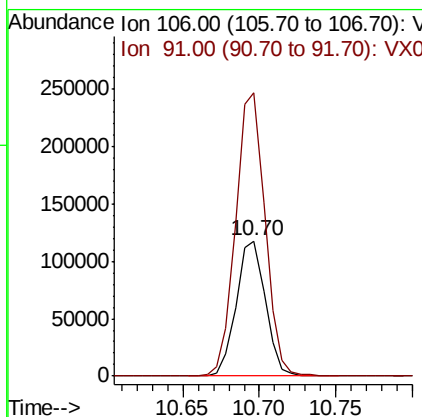
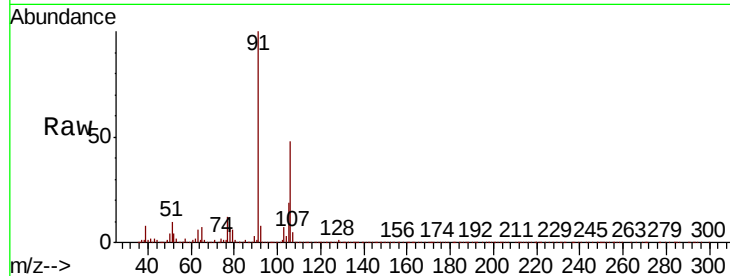




#69
o-Xylene
Concen: 12.197 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013699.D
Acq: 29 Nov 2019 14:26

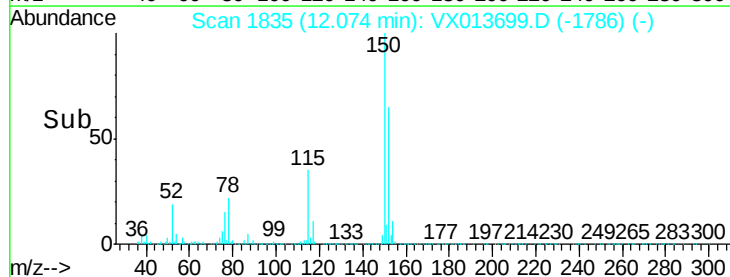
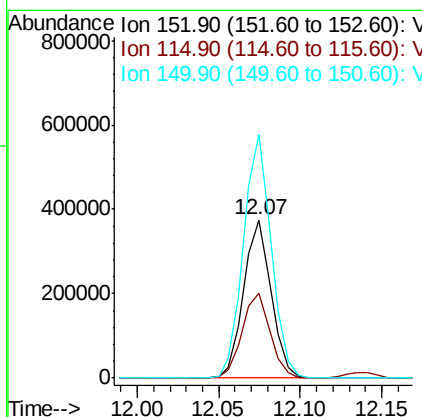
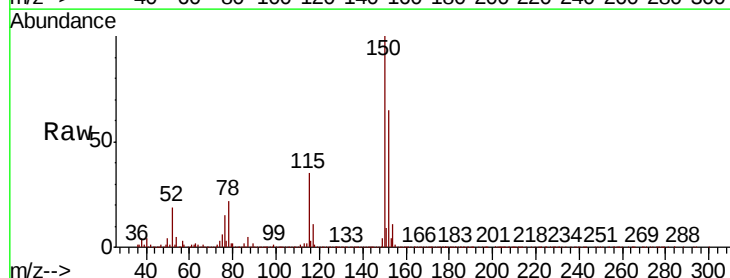
Instrument :
MSVOA_X
ClientSampled :
MW-1A

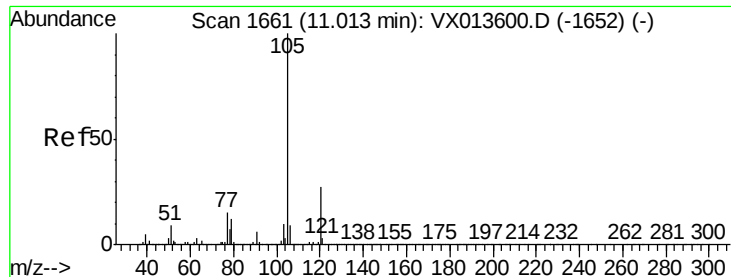
Tot Ion:106 Resp: 155107
Ion Ratio Lower Upper
106 100
91 210.9 104.1 312.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013699.D
Acq: 29 Nov 2019 14:26

Tgt Ion:152 Resp: 443477
Ion Ratio Lower Upper
152 100
115 54.5 38.4 115.1
150 154.7 0.0 346.8





#73

Isopropylbenzene

Concen: 1.017 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampled :

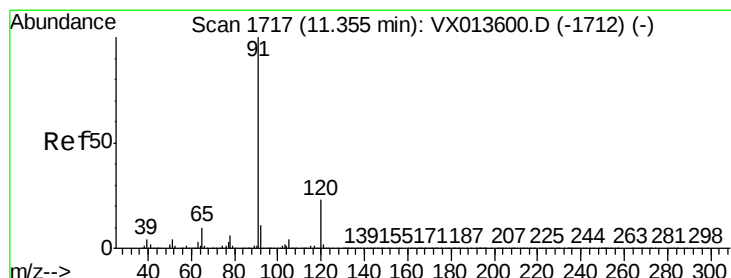
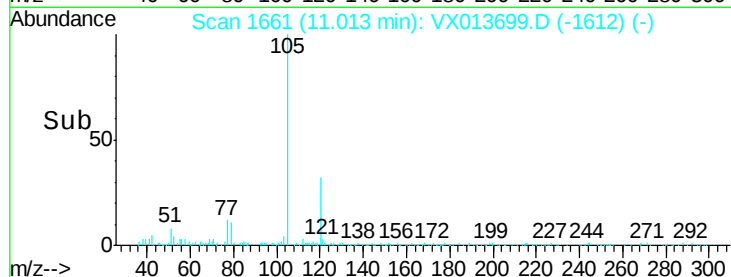
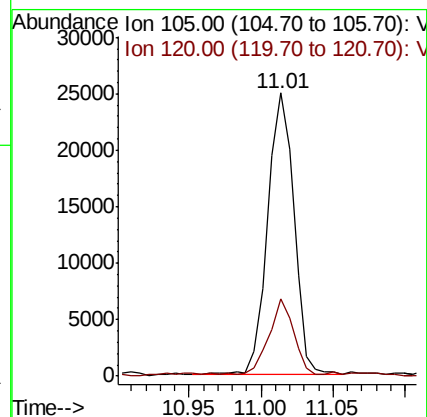
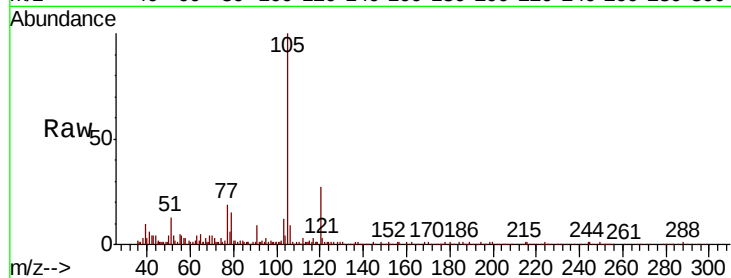
MW-1A

Tot Ion:105 Resp: 31629

Ion Ratio Lower Upper

105 100

120 25.2 13.5 40.5



#78

n-propylbenzene

Concen: 1.077 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013699.D

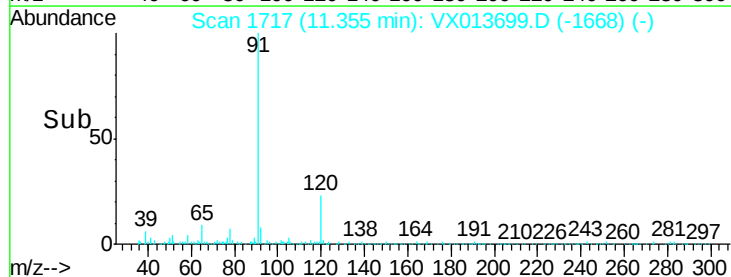
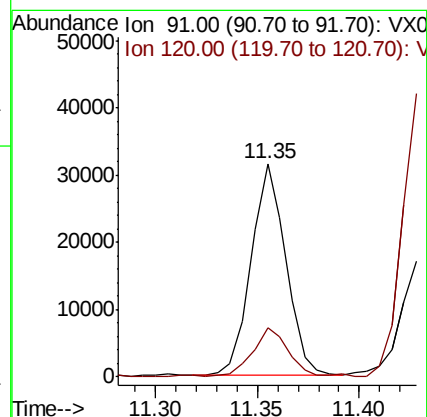
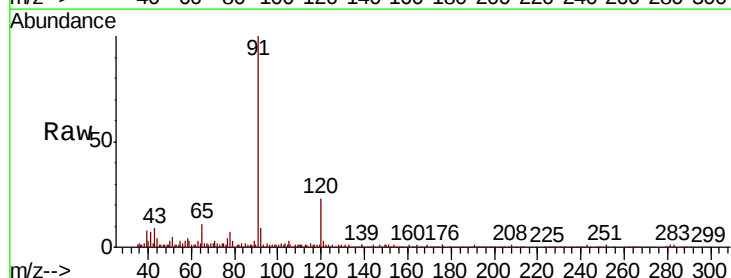
Acq: 29 Nov 2019 14:26

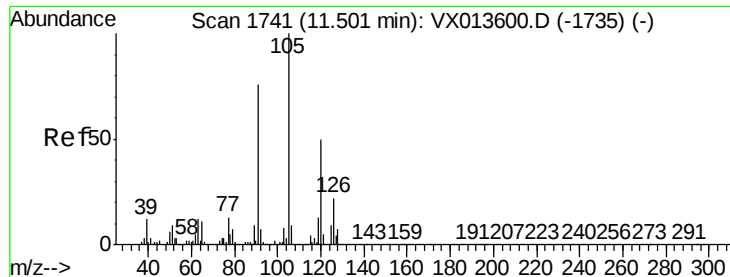
Tgt Ion: 91 Resp: 37402

Ion Ratio Lower Upper

91 100

120 23.0 11.8 35.3





#80

1,3,5-Trimethylbenzene

Concen: 11.933 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

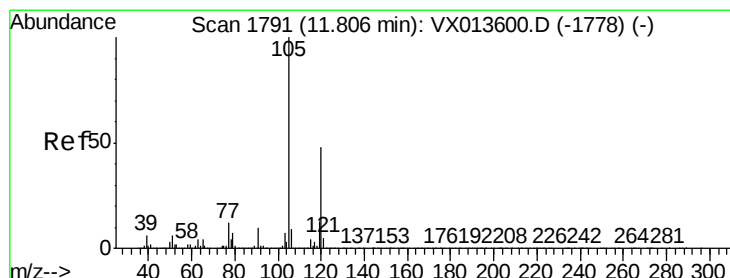
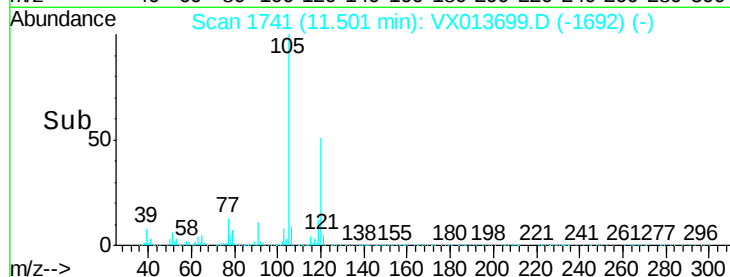
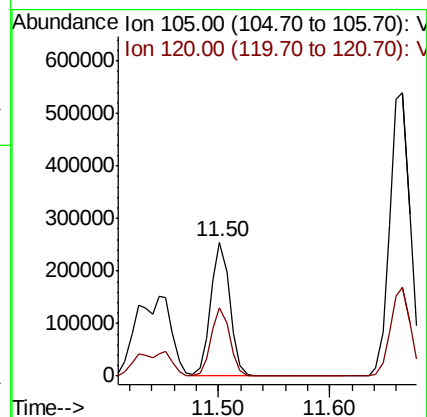
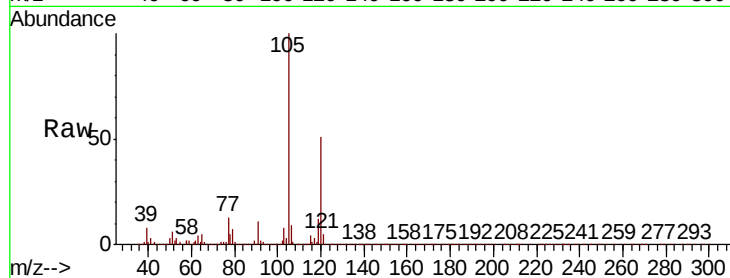
MW-1A

Tot Ion:105 Resp: 304234

Ion Ratio Lower Upper

105 100

120 49.6 25.3 75.9



#84

1,2,4-Trimethylbenzene

Concen: 23.957 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX013699.D

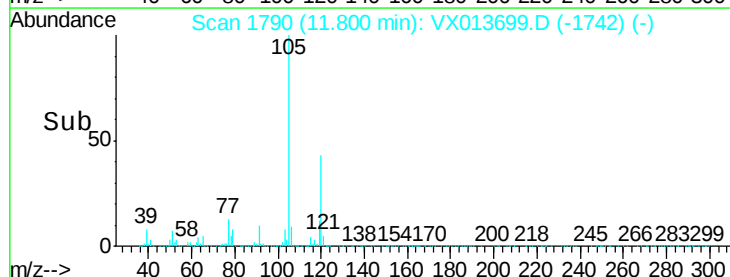
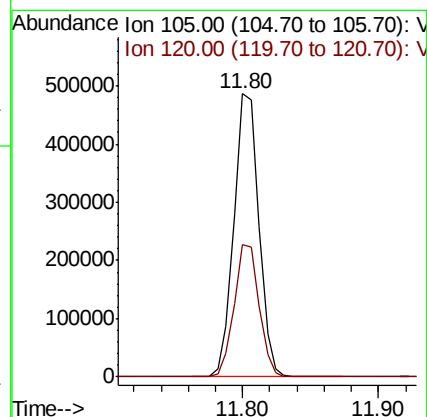
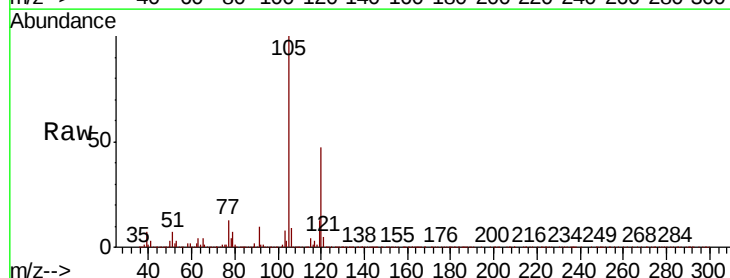
Acq: 29 Nov 2019 14:26

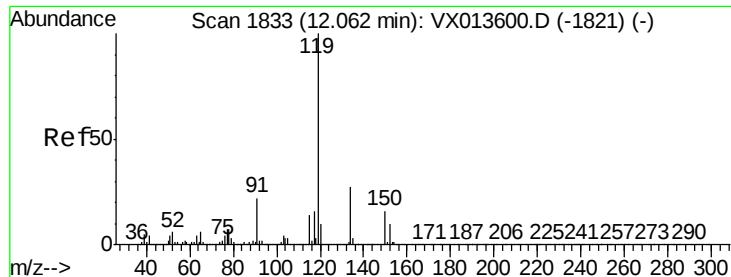
Tgt Ion:105 Resp: 619905

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.3





#86

p-Isopropyltoluene

Concen: 0.275 ug/l m

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

MW-1A

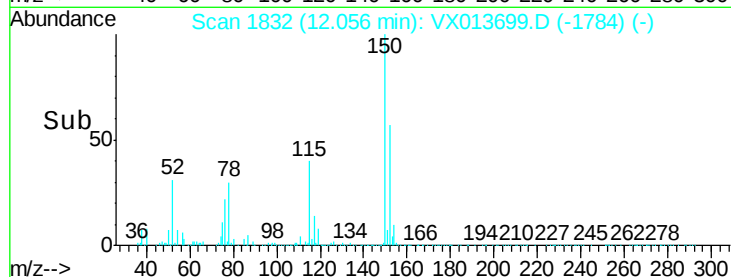
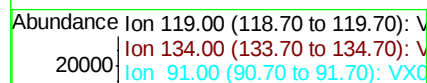
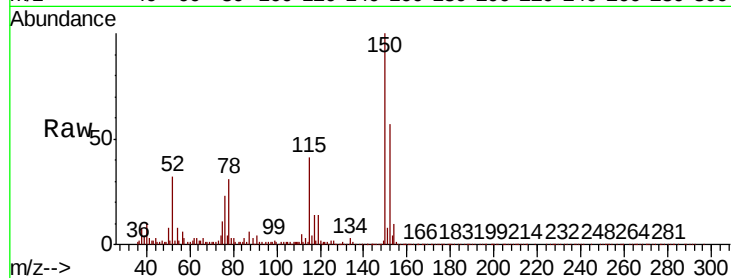
Tot Ion:119 Resp: 7579

Ion Ratio Lower Upper

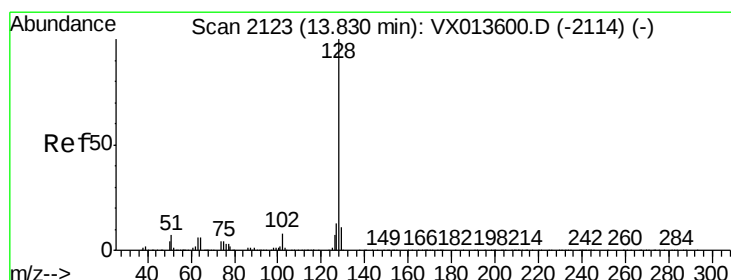
119 100

134 0.0 13.3 39.9#

91 0.0 11.3 33.8#



Time-->



#95

Naphthalene

Concen: 2.962 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013699.D

Acq: 29 Nov 2019 14:26

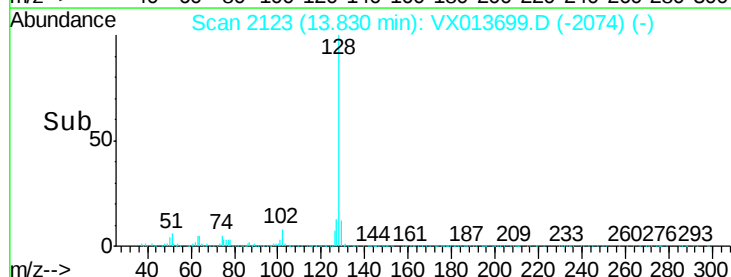
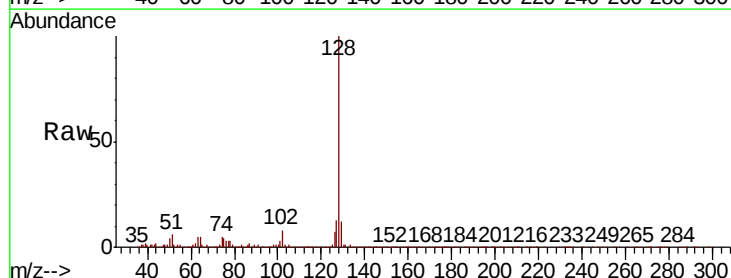
Tgt Ion:128 Resp: 88984

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 12.8 8.7 13.1



Time-->