

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009856.D
 Acq On : 23 May 2019 14:21
 Operator : JC/SP
 Sample : K2977-09DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-W4-5DL

Quant Time: May 24 04:13:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287516	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116541	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	122256	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	5.50	113	88749	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	365529	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	127111	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

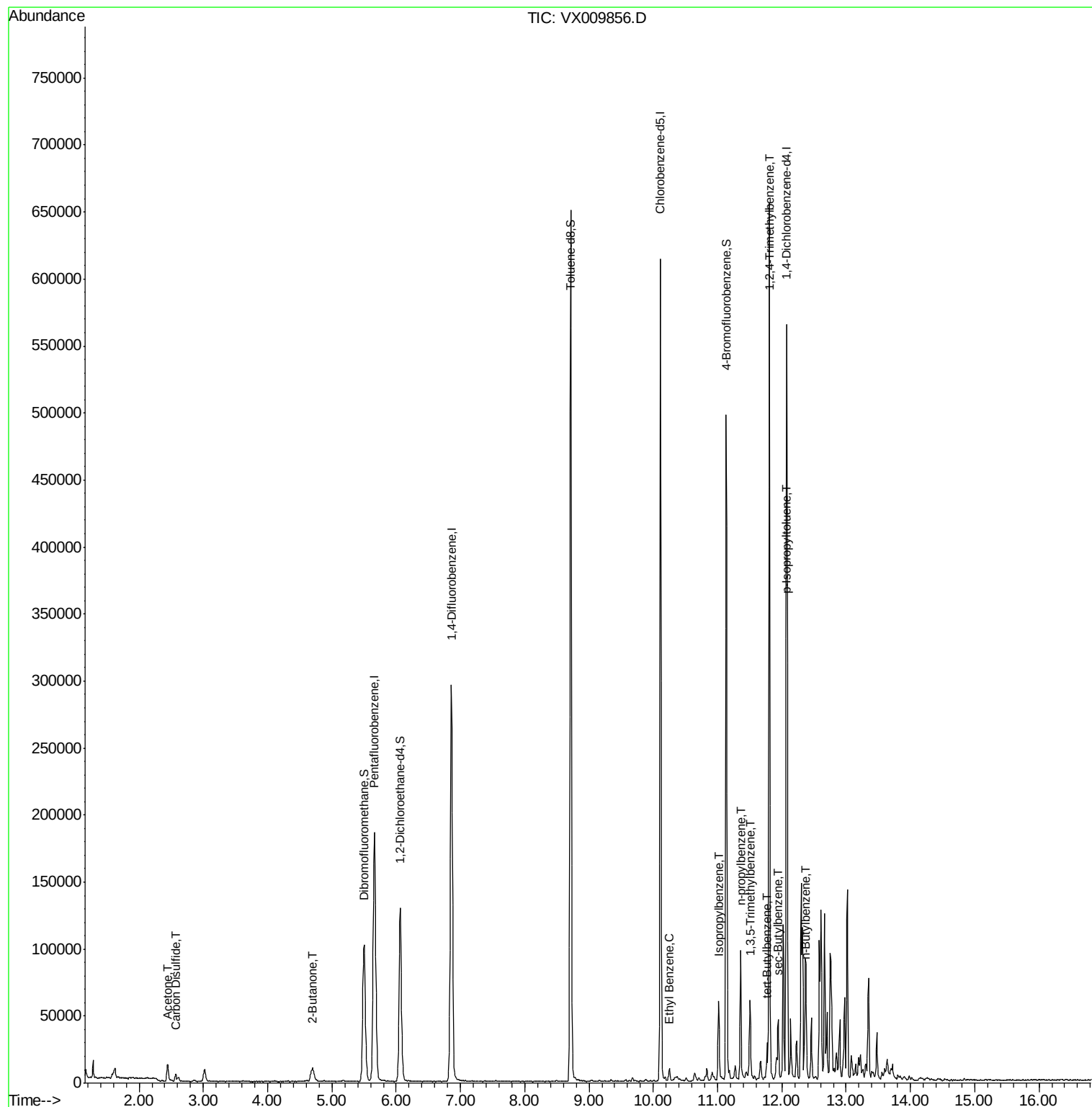
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	14613	11.139	ug/l	97
17) Carbon Disulfide	2.57	76	6216	1.319	ug/l	95
25) 2-Butanone	4.69	43	4124	2.023	ug/l	98
67) Ethyl Benzene	10.25	91	4523	0.475	ug/l	94
73) Isopropylbenzene	11.02	105	28237	3.332	ug/l	100
78) n-propylbenzene	11.36	91	56974	5.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	23522	3.296	ug/l	100
83) tert-Butylbenzene	11.77	119	8223	1.185	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	258417	36.079	ug/l	99
85) sec-Butylbenzene	11.94	105	21846	2.654	ug/l	85
86) p-Isopropyltoluene	12.06	119	4519	0.611	ug/l	91
89) n-Butylbenzene	12.38	91	11754	1.758	ug/l #	30

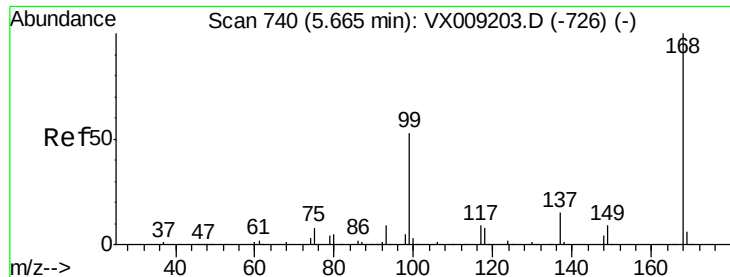
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

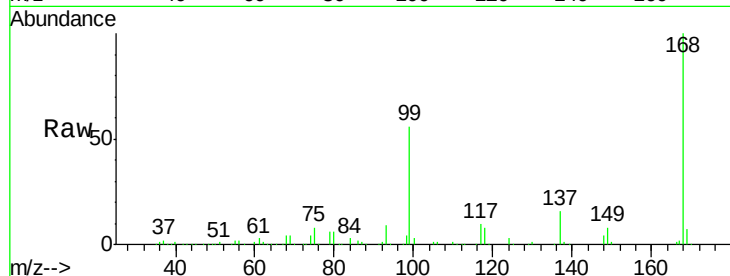
EP1-PZ-W4-5DL

Tot Ion:168 Resp: 178962

Ion Ratio Lower Upper

168 100

99 56.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

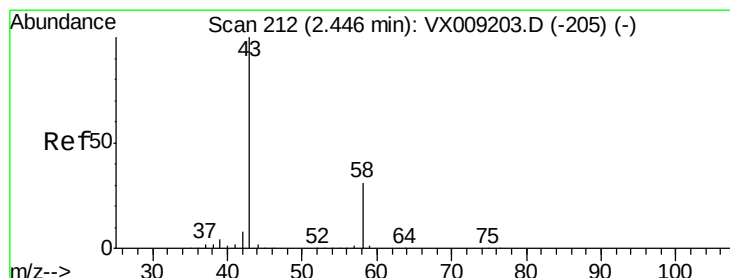
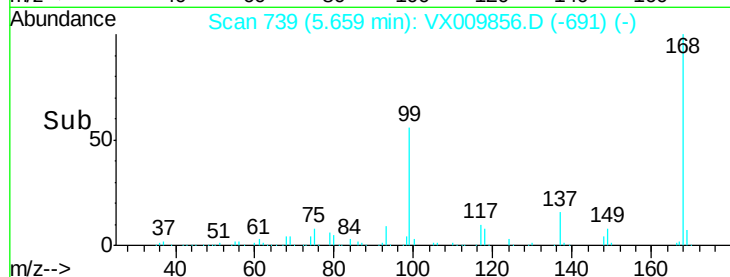
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 11.139 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009856.D

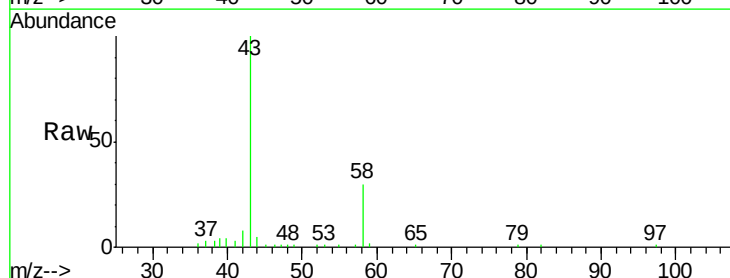
Acq: 23 May 2019 14:21

Tgt Ion: 43 Resp: 14613

Ion Ratio Lower Upper

43 100

58 29.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

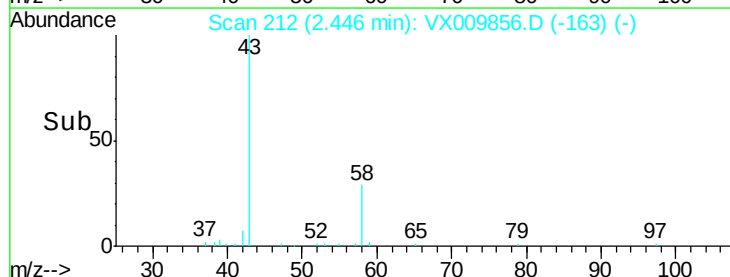
6000

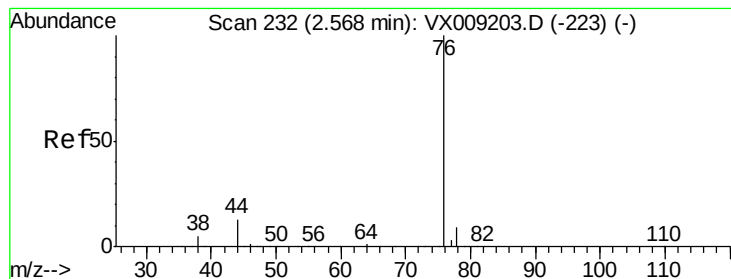
4000

2000

0

Time--> 2.35 2.40 2.45 2.50





#17

Carbon Disulfide

Concen: 1.319 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

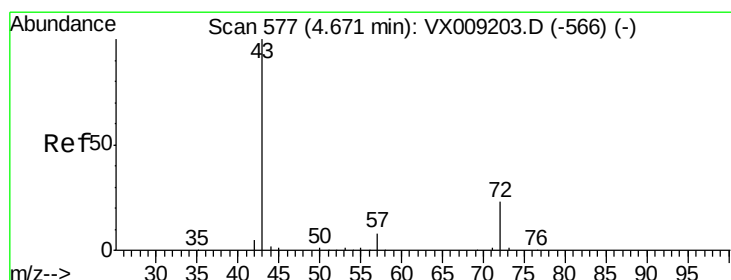
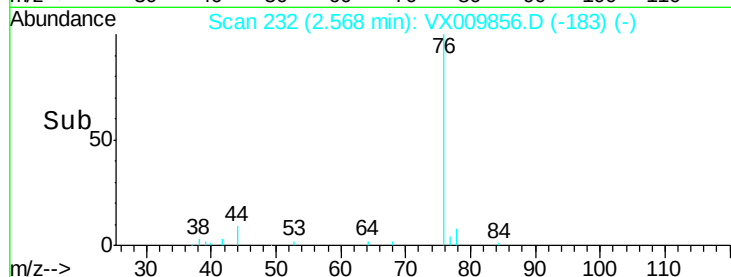
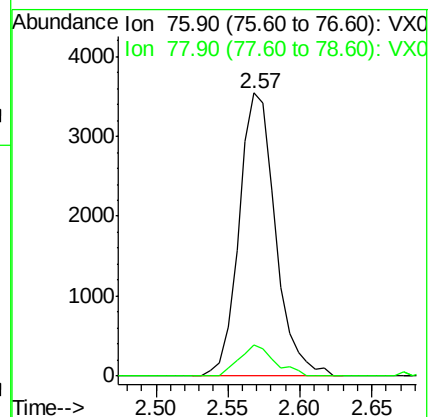
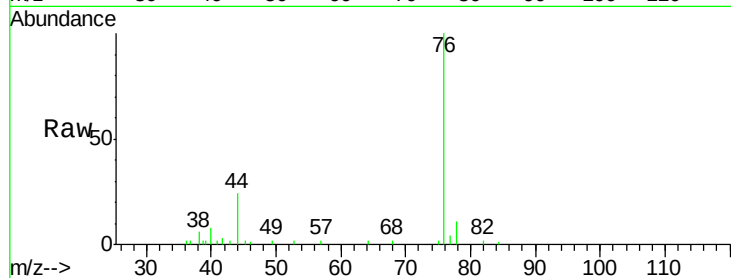
EP1-PZ-W4-5DL

Tot Ion: 76 Resp: 6216

Ion Ratio Lower Upper

76 100

78 10.9 7.4 11.0



#25

2-Butanone

Concen: 2.023 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009856.D

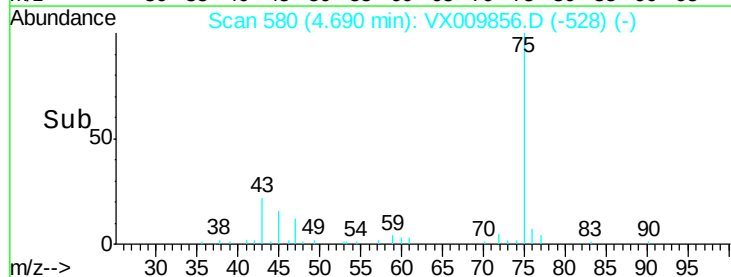
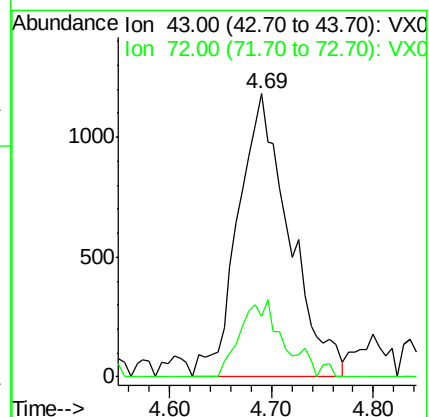
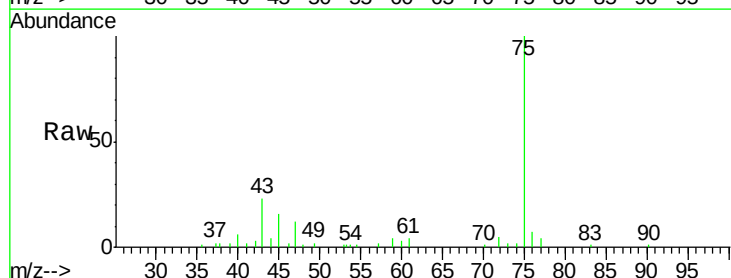
Acq: 23 May 2019 14:21

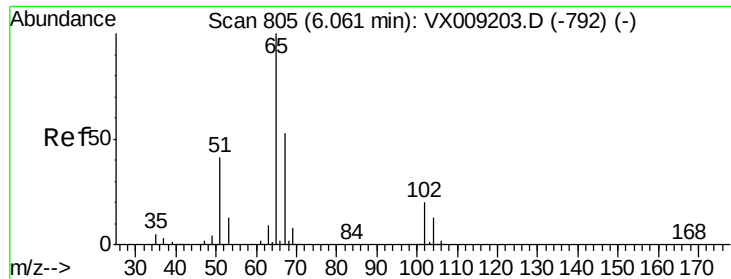
Tgt Ion: 43 Resp: 4124

Ion Ratio Lower Upper

43 100

72 21.7 18.2 27.2

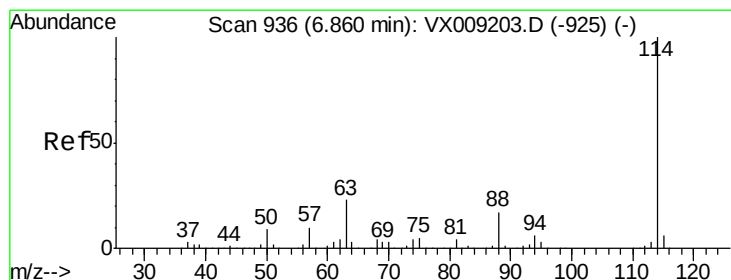
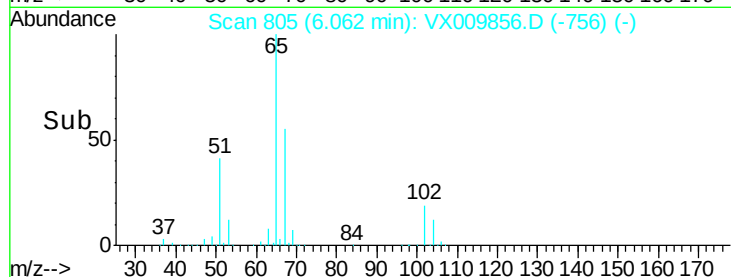
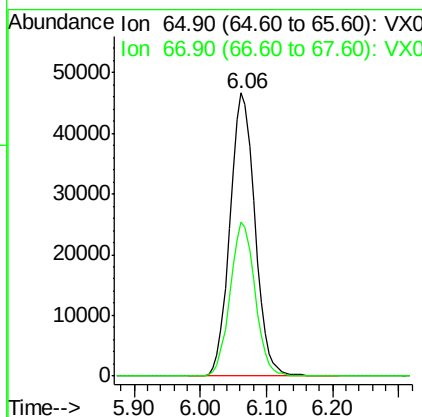
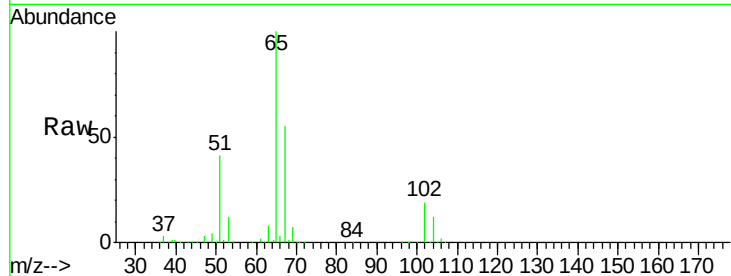




#33
 1,2-Dichloroethane-d4
 Concen: 50.042 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009856.D
 Acq: 23 May 2019 14:21

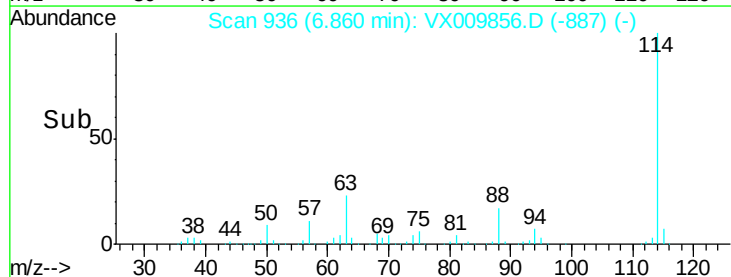
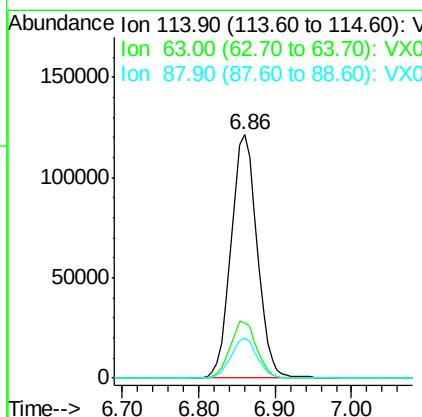
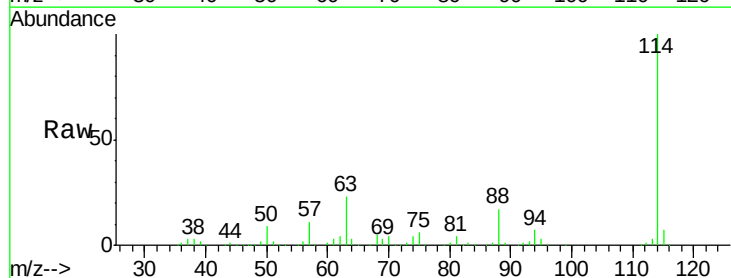
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-W4-5DL

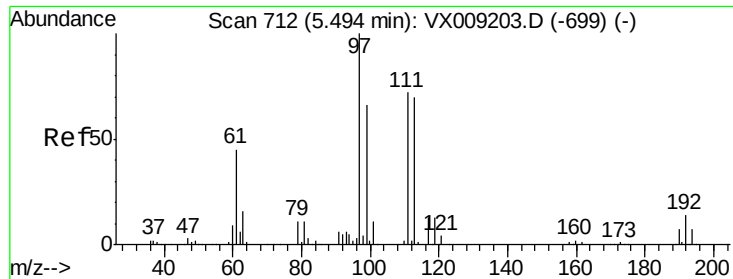
Tot Ion: 65 Resp: 122256
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009856.D
 Acq: 23 May 2019 14:21

Tgt Ion: 114 Resp: 287516
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.6 0.0 33.2

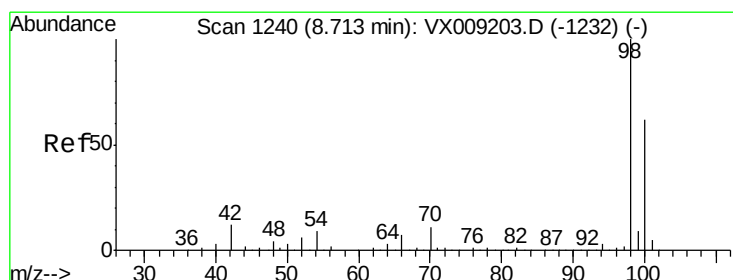
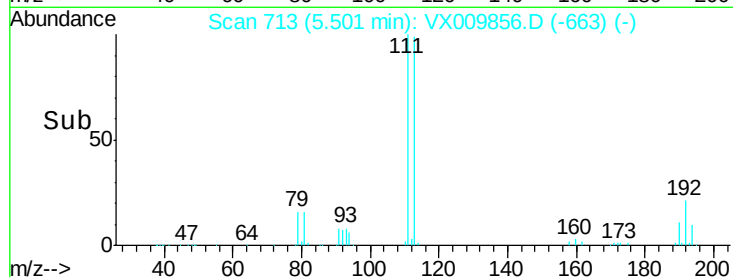
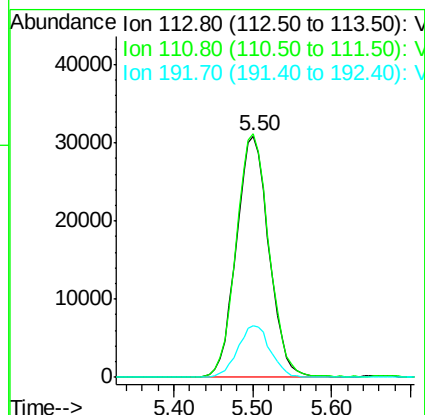
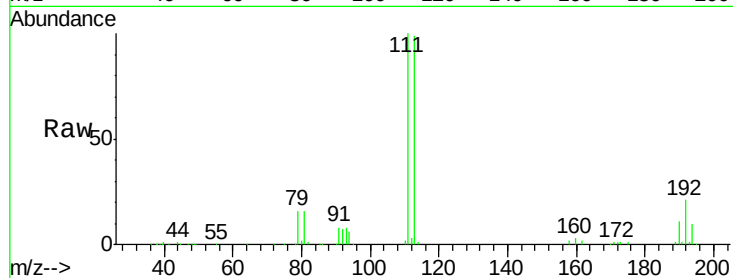




#35
 Dibromofluoromethane
 Concen: 49.102 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009856.D
 Acq: 23 May 2019 14:21

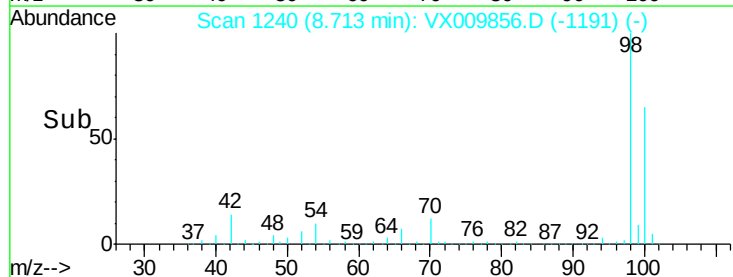
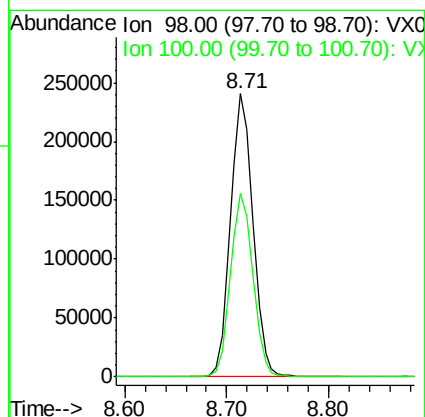
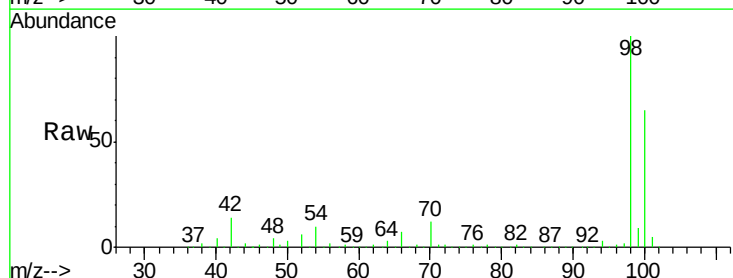
Instrument :
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 ClientSampleId :
 EP1-PZ-W4-5DL

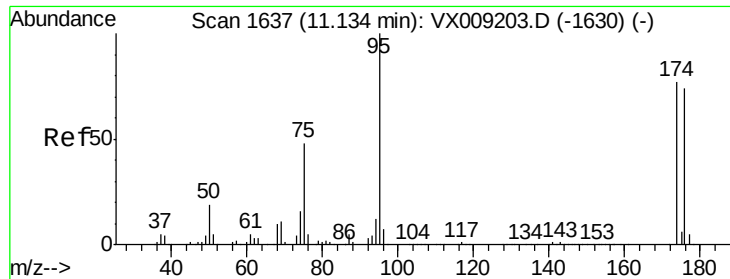
Tot Ion:113 Resp: 88749
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.8 124.2
 192 21.5 17.0 25.6



#50
 Toluene-d8
 Concen: 50.092 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009856.D
 Acq: 23 May 2019 14:21

Tgt Ion: 98 Resp: 365529
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 47.940 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

EP1-PZ-W4-5DL

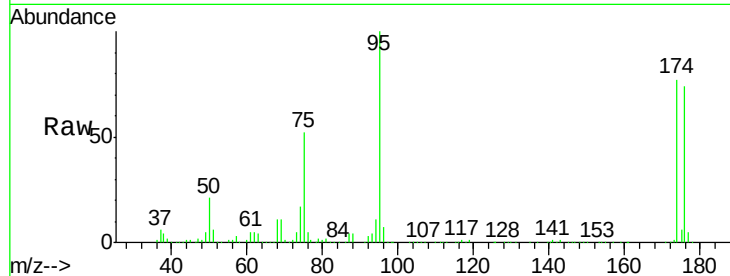
Tot Ion: 95 Resp: 127111

Ion Ratio Lower Upper

95 100

174 80.6 0.0 161.6

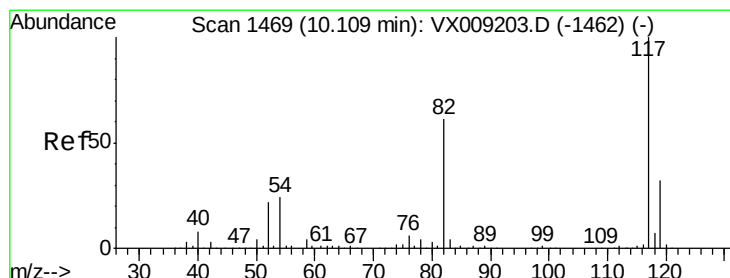
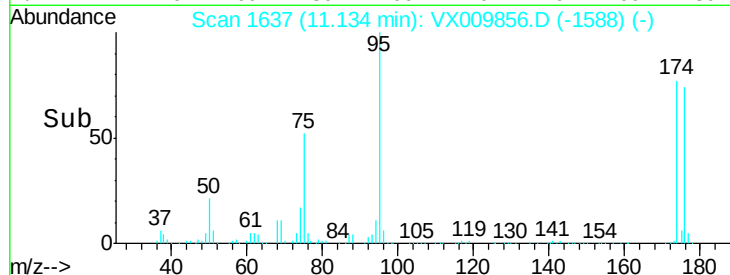
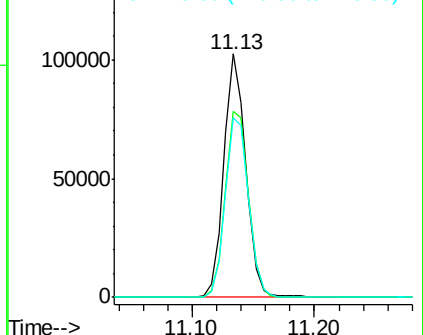
176 78.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009856.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009856.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009856.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

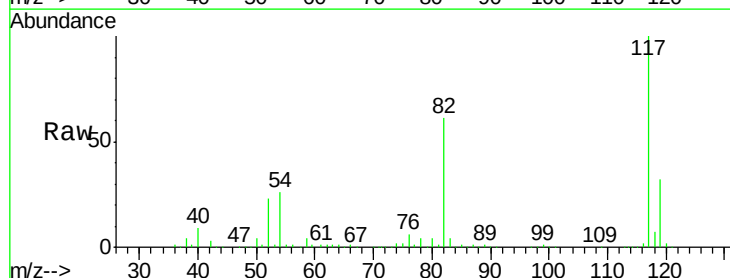
Tgt Ion: 117 Resp: 258432

Ion Ratio Lower Upper

117 100

82 61.4 48.8 73.2

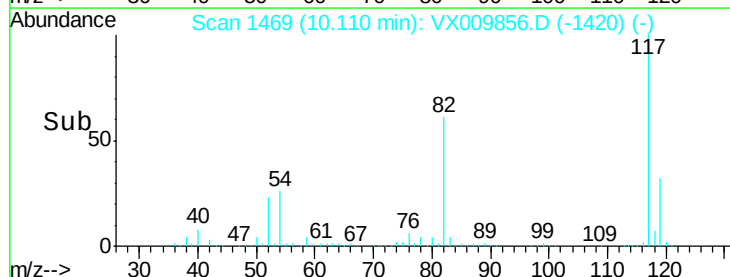
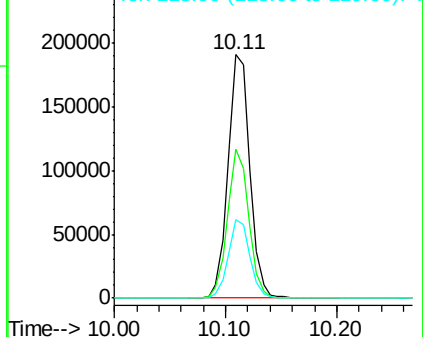
119 32.2 25.8 38.6

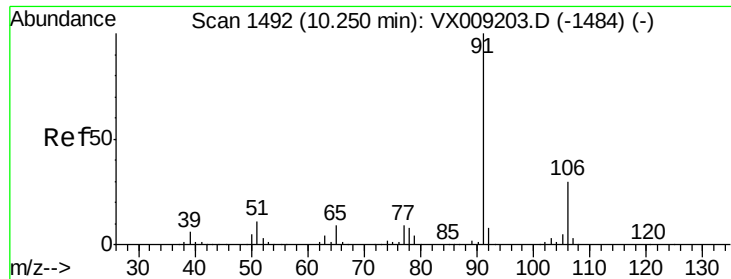


Abundance Ion 116.90 (116.60 to 117.60): VX009856.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009856.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009856.D (-1420) (-)

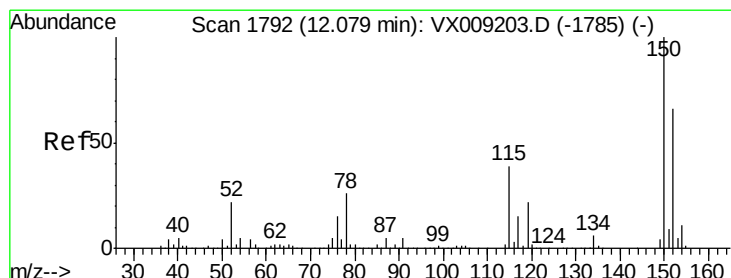
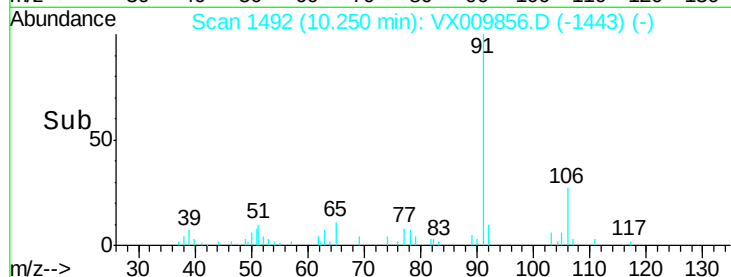
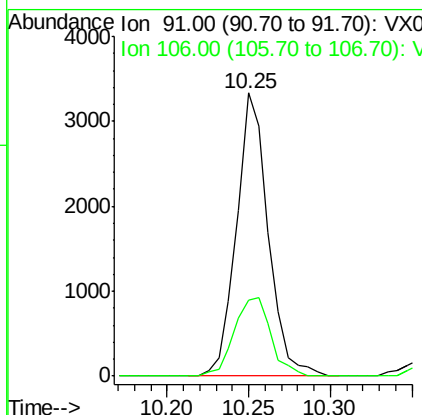
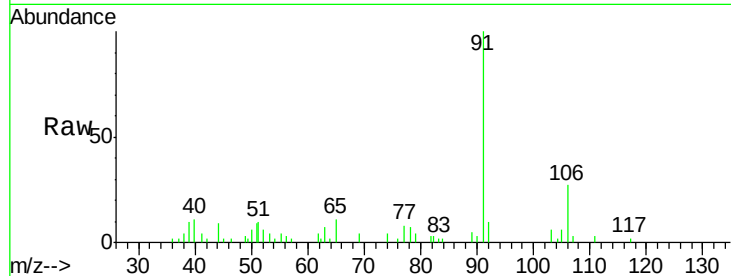




#67
Ethyl Benzene
Concen: 0.475 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009856.D
Acq: 23 May 2019 14:21

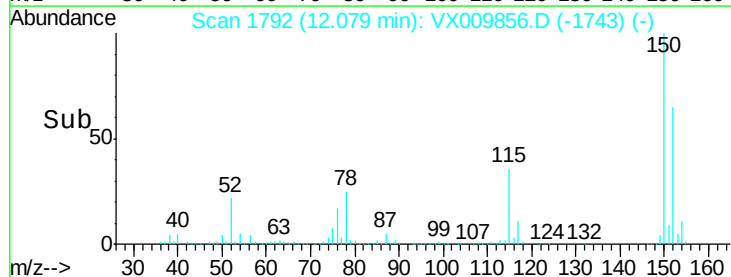
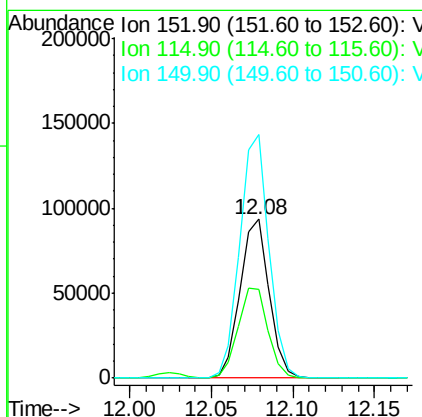
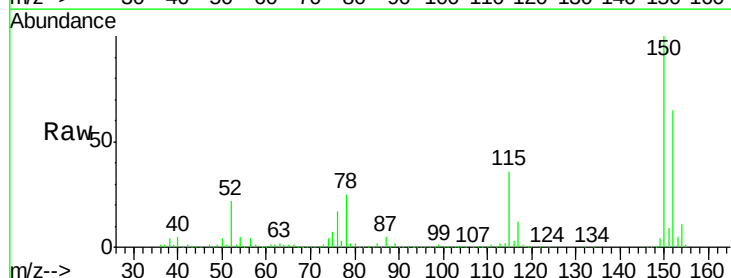
Instrument :
MSVOA_X
ClientSampled :
EP1-PZ-W4-5DL

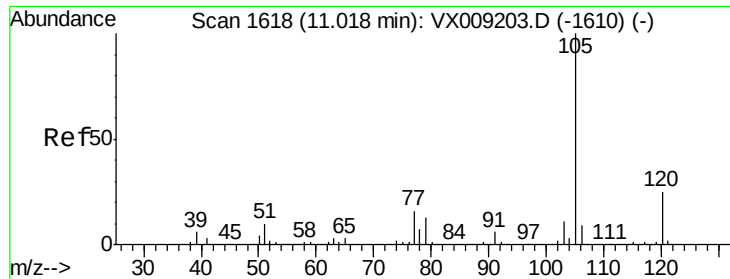
Tot Ion: 91 Resp: 4523
Ion Ratio Lower Upper
91 100
106 26.8 24.0 36.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009856.D
Acq: 23 May 2019 14:21

Tgt Ion: 152 Resp: 116541
Ion Ratio Lower Upper
152 100
115 58.1 41.2 123.6
150 154.0 0.0 346.4





#73

Isopropylbenzene

Concen: 3.332 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

Instrument :

MSVOA_X

ClientSampleId :

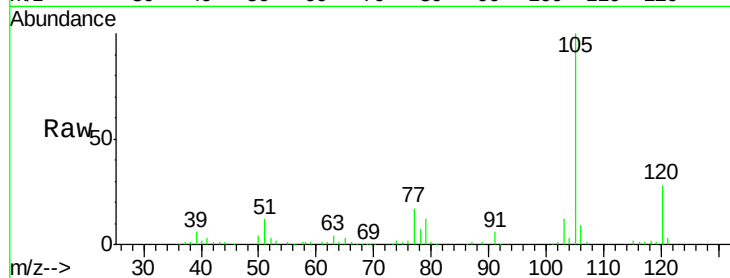
EP1-PZ-W4-5DL

Tot Ion:105 Resp: 28237

Ion Ratio Lower Upper

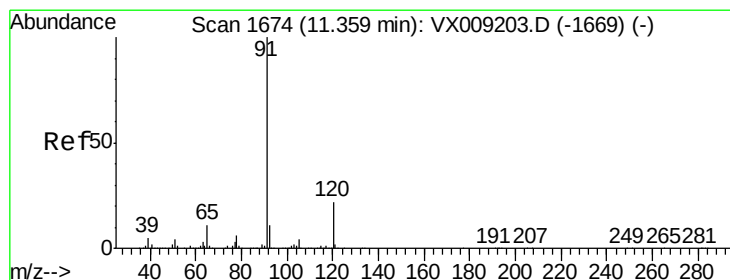
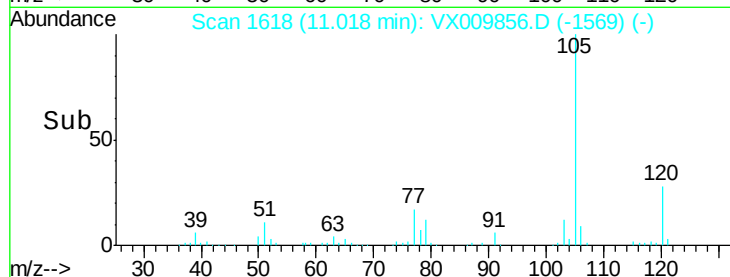
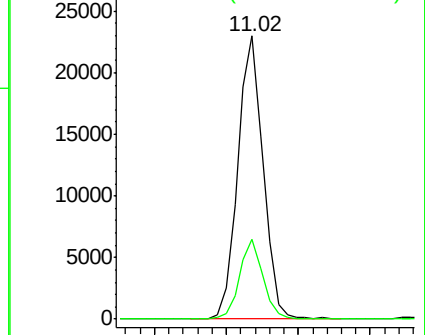
105 100

120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 5.887 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009856.D

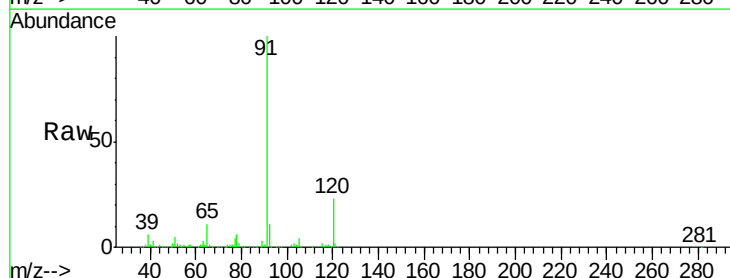
Acq: 23 May 2019 14:21

Tgt Ion: 91 Resp: 56974

Ion Ratio Lower Upper

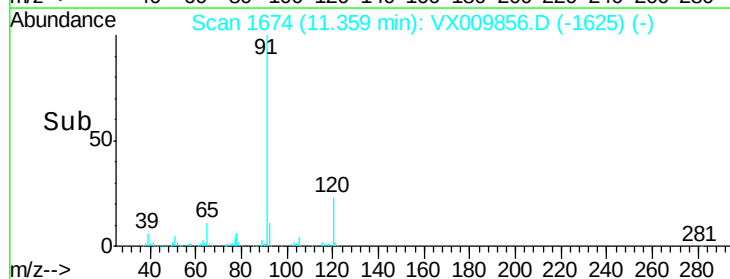
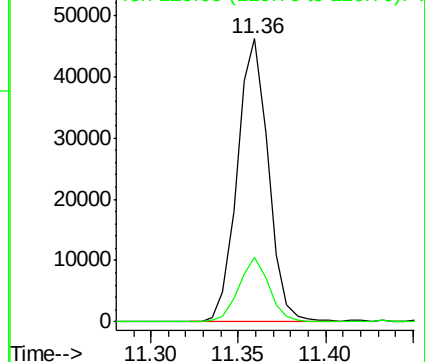
91 100

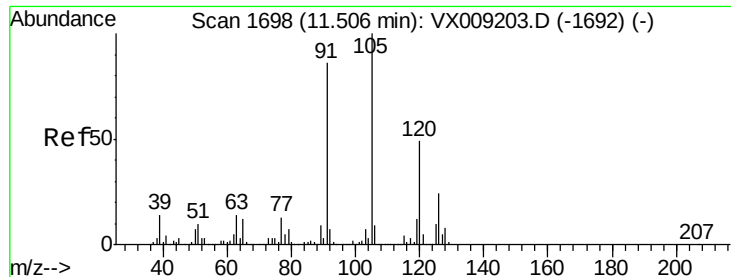
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.296 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

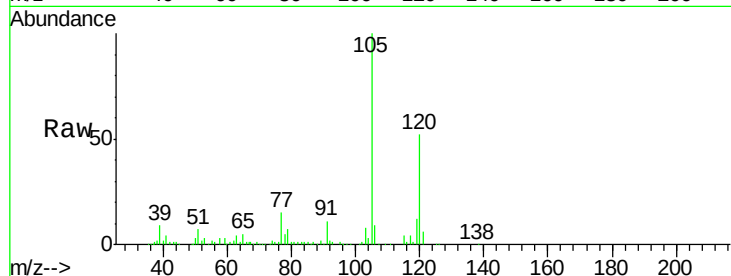
EP1-PZ-W4-5DL

Tot Ion:105 Resp: 23522

Ion Ratio Lower Upper

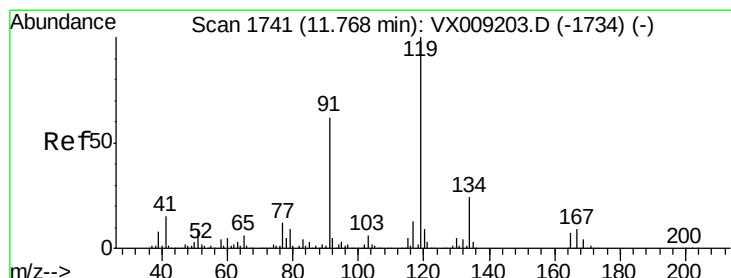
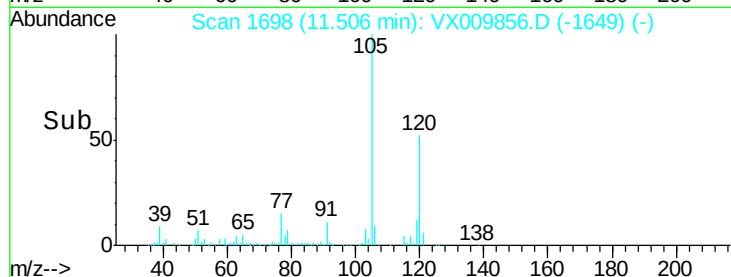
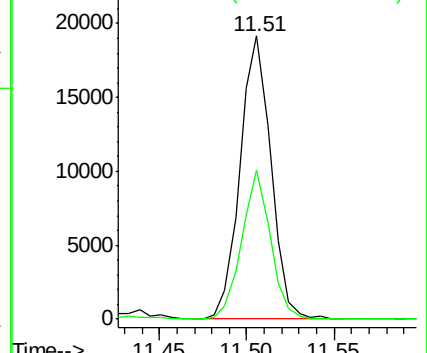
105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.185 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

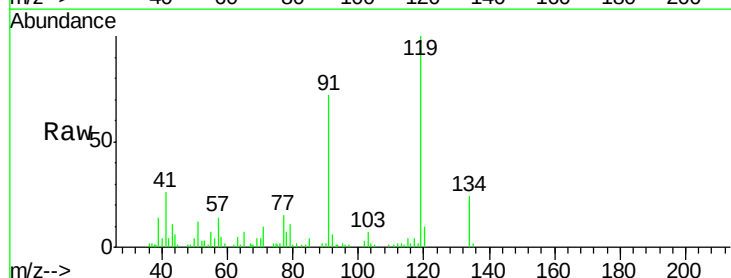
Tgt Ion:119 Resp: 8223

Ion Ratio Lower Upper

119 100

91 68.0 29.5 88.5

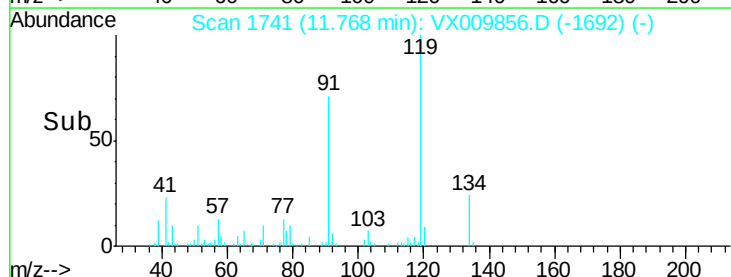
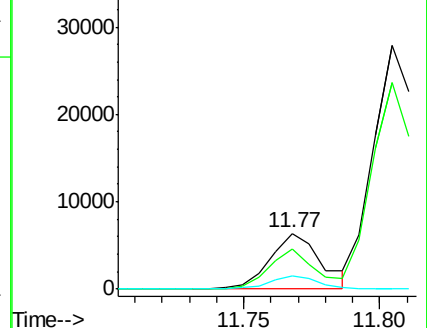
134 23.0 11.4 34.1

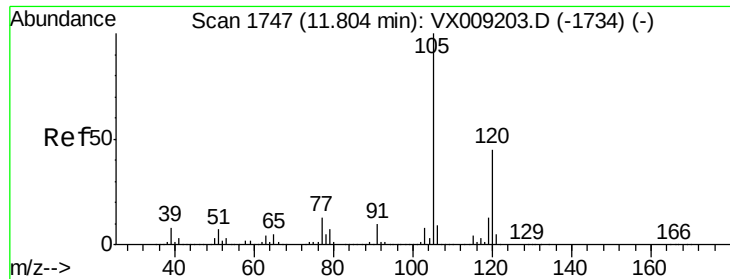


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 36.079 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009856.D

Acq: 23 May 2019 14:21

Instrument :

MSVOA_X

ClientSampled :

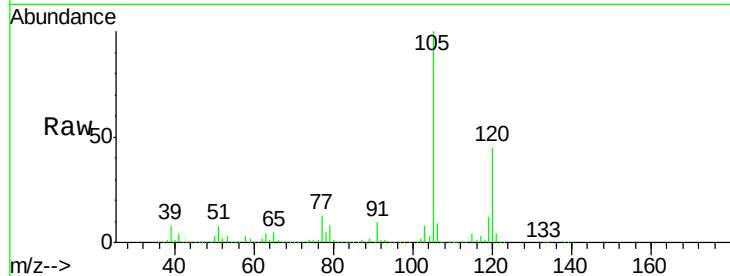
EP1-PZ-W4-5DL

Tot Ion:105 Resp: 258417

Ion Ratio Lower Upper

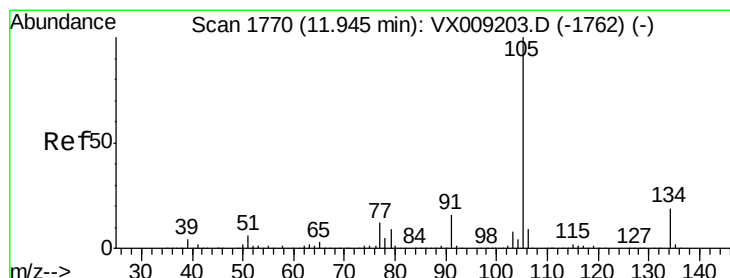
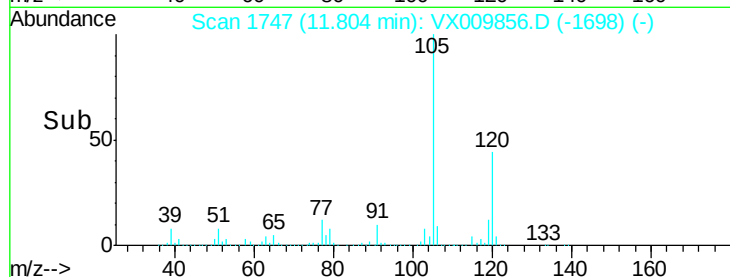
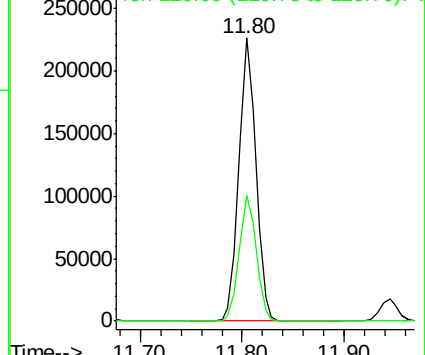
105 100

120 44.9 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.654 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009856.D

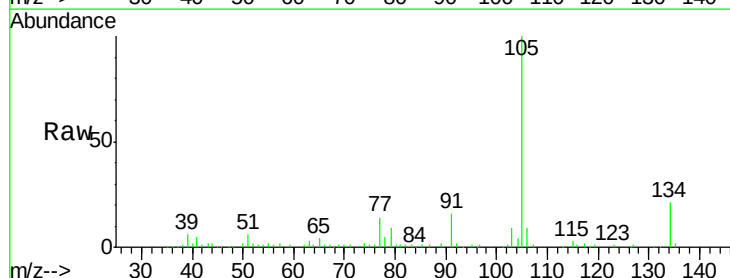
Acq: 23 May 2019 14:21

Tgt Ion:105 Resp: 21846

Ion Ratio Lower Upper

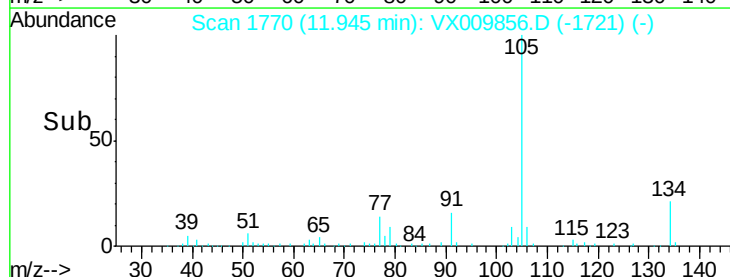
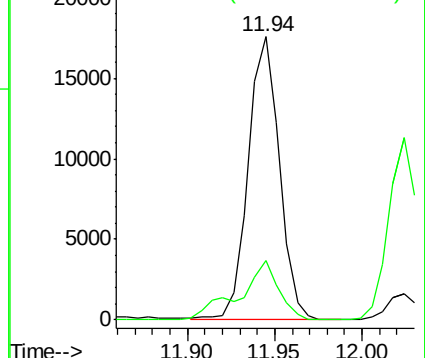
105 100

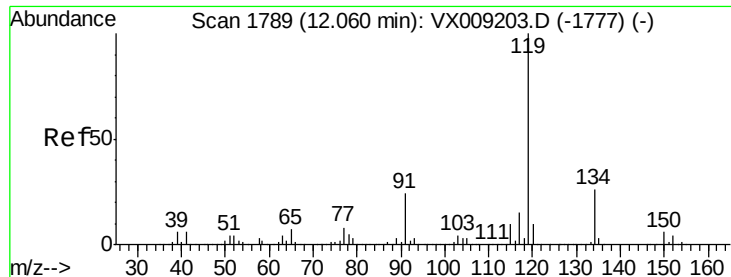
134 26.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

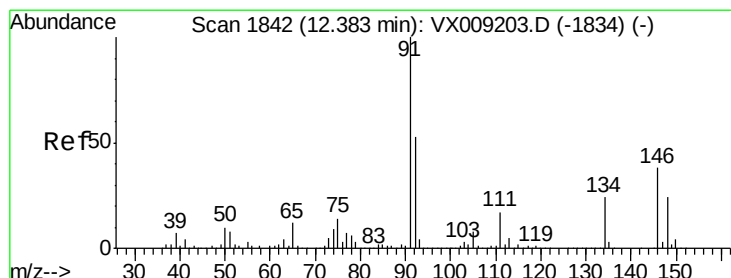
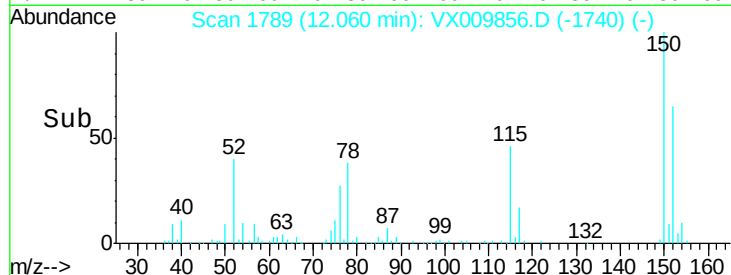
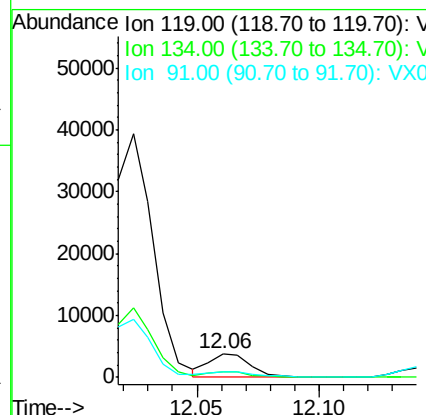
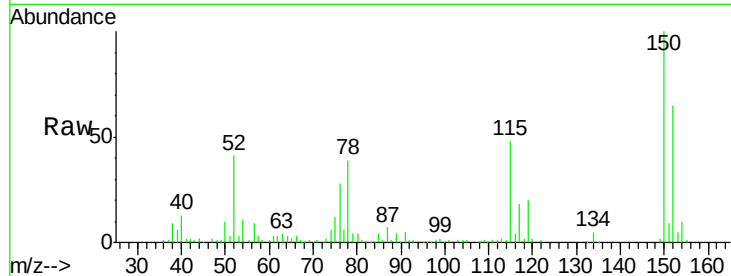




#86
p-Isopropyltoluene
Concen: 0.611 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX009856.D
Acq: 23 May 2019 14:21

Instrument :
MSVOA_X
ClientSampled :
EP1-PZ-W4-5DL

Tot Ion:119 Resp: 4519
Ion Ratio Lower Upper
119 100
134 27.3 12.9 38.7
91 31.1 11.8 35.4



#89
n-Butylbenzene
Concen: 1.758 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009856.D
Acq: 23 May 2019 14:21

Tgt Ion: 91 Resp: 11754
Ion Ratio Lower Upper
91 100
92 31.6 26.5 79.5
134 102.7 12.4 37.2#

