

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009805.D
 Acq On : 22 May 2019 15:33
 Operator : JC/SP
 Sample : K2977-12 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4

Quant Time: May 23 07:51:20 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	5.67	168	172398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104233	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	117067	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	5.50	113	85086	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	346296	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	115890	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

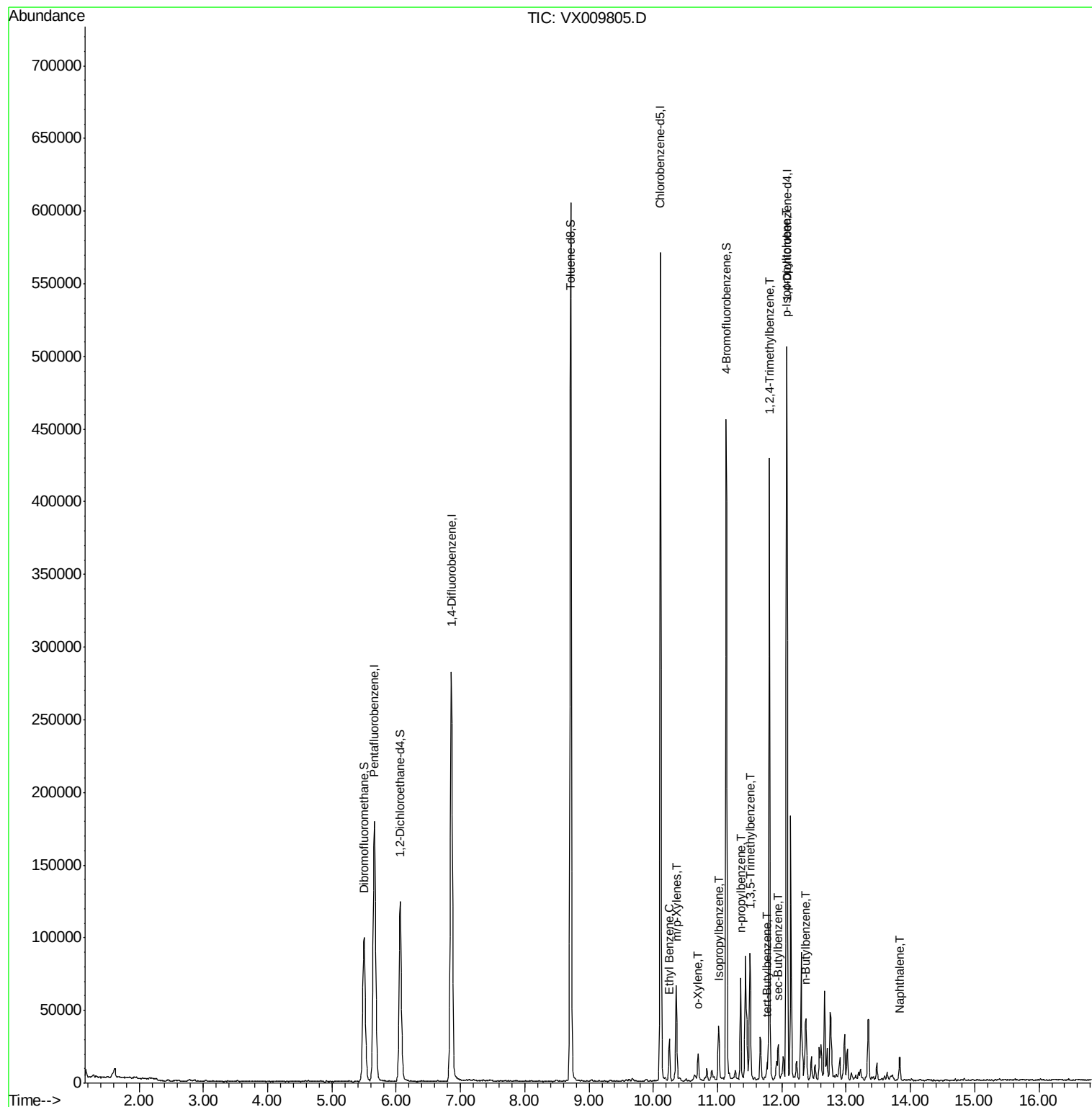
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	10.25	91	15344	1.721	ug/l	97
68) m/p-Xylenes	10.36	106	14603	4.483	ug/l	94
69) o-Xylene	10.70	106	3940	1.226	ug/l	95
73) Isopropylbenzene	11.02	105	18478	2.438	ug/l	99
78) n-propylbenzene	11.36	91	40479	4.676	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	36112	5.658	ug/l	100
83) tert-Butylbenzene	11.77	119	2539	0.409	ug/l	84
84) 1,2,4-Trimethylbenzene	11.80	105	176110	27.491	ug/l	99
85) sec-Butylbenzene	11.94	105	11623	1.579	ug/l	80
86) p-Isopropyltoluene	12.07	119	5318	0.804	ug/l	92
89) n-Butylbenzene	12.38	91	9527	1.593	ug/l #	55
95) Naphthalene	13.83	128	9249	1.217	ug/l #	96

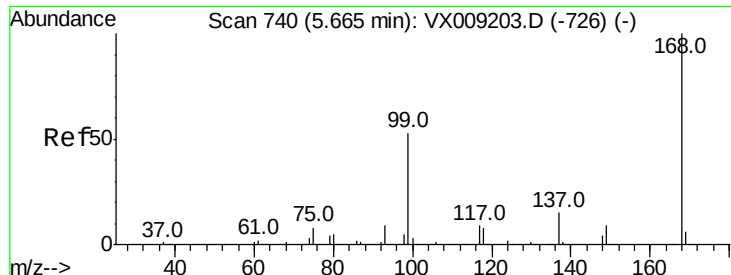
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009805.D

Acq: 22 May 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

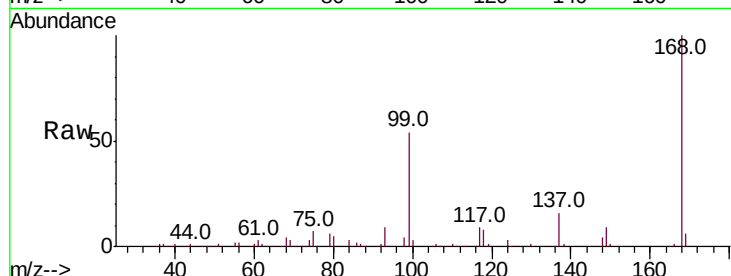
EP1-PZ-E3-4

Tot Ion:168 Resp: 172398

Ion Ratio Lower Upper

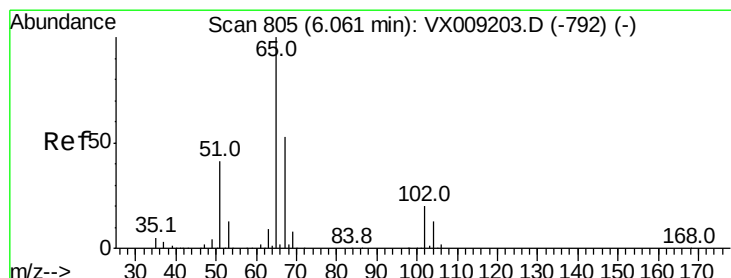
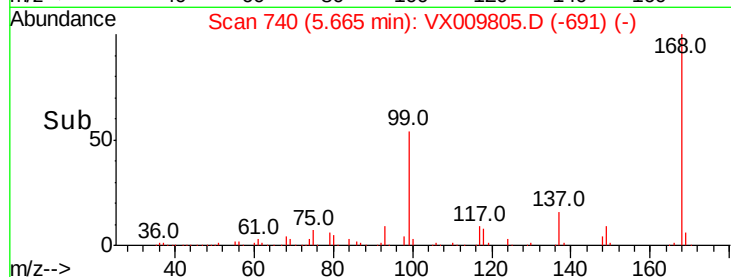
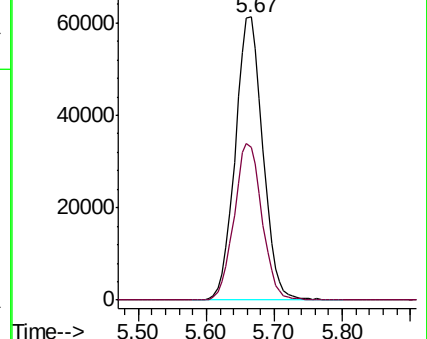
168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.743 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009805.D

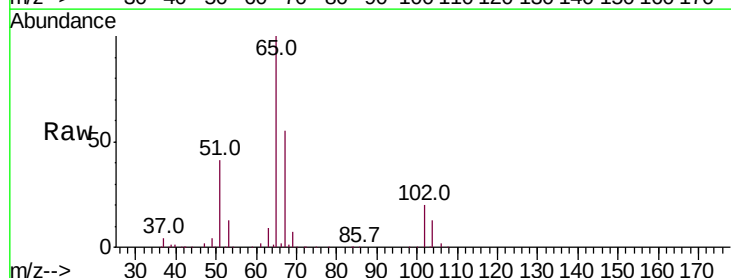
Acq: 22 May 2019 15:33

Tgt Ion: 65 Resp: 117067

Ion Ratio Lower Upper

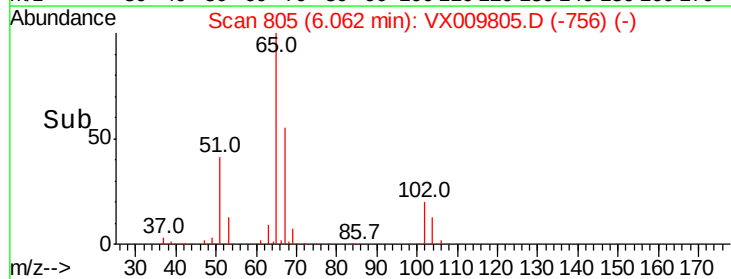
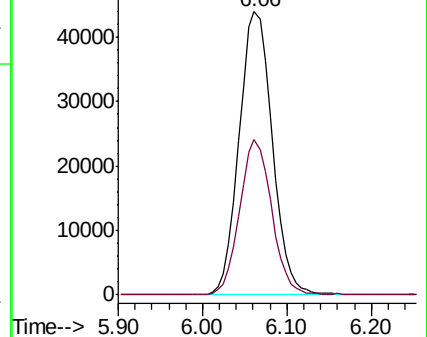
65 100

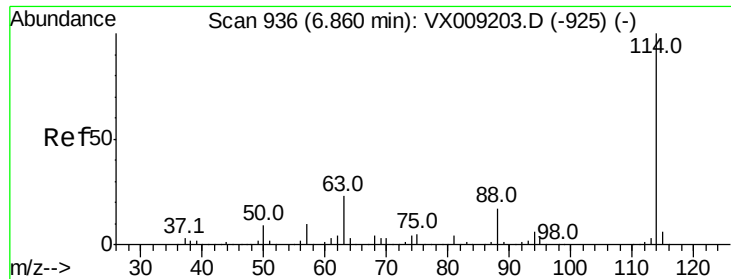
67 53.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

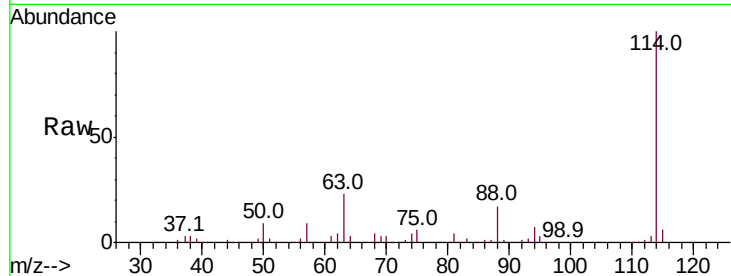




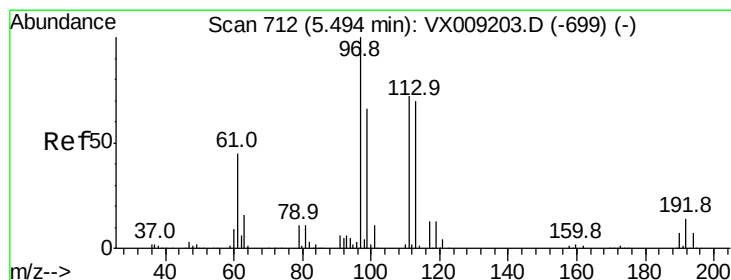
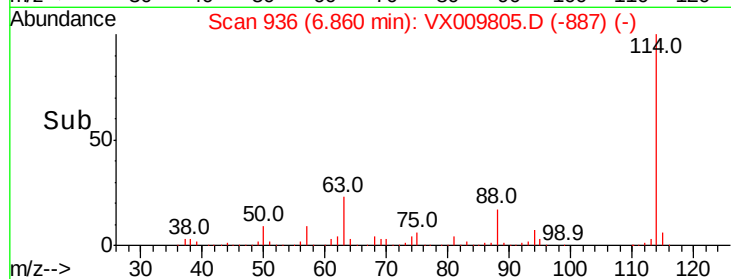
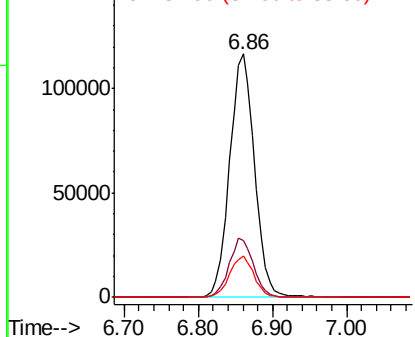
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009805.D
 Acq: 22 May 2019 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-E3-4

Tot Ion:114 Resp: 273038
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.8 0.0 33.2

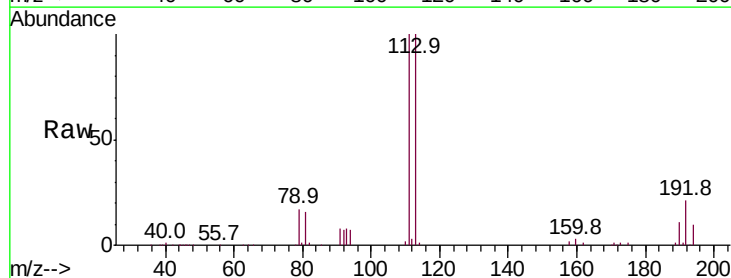


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

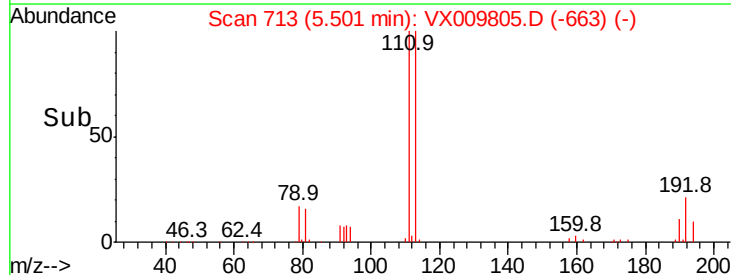
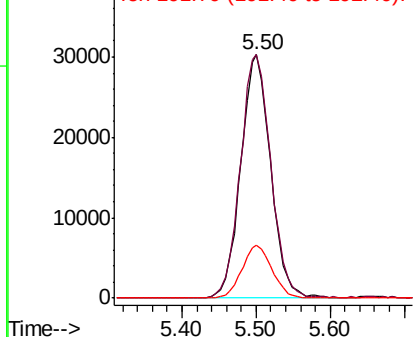


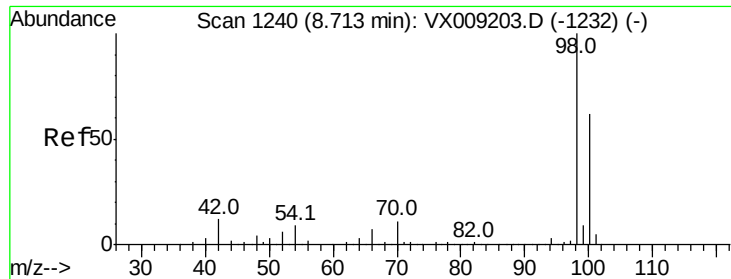
#35
 Dibromofluoromethane
 Concen: 49.572 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009805.D
 Acq: 22 May 2019 15:33

Tgt Ion:113 Resp: 85086
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.8 124.2
 192 21.9 17.0 25.6



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

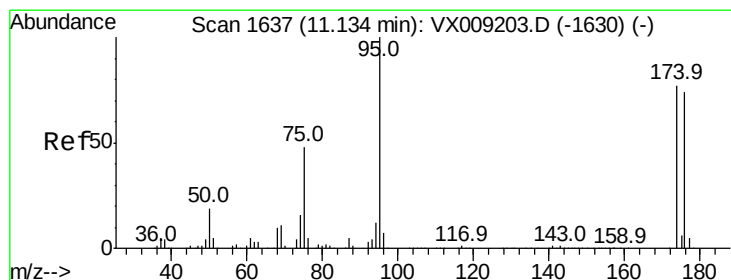
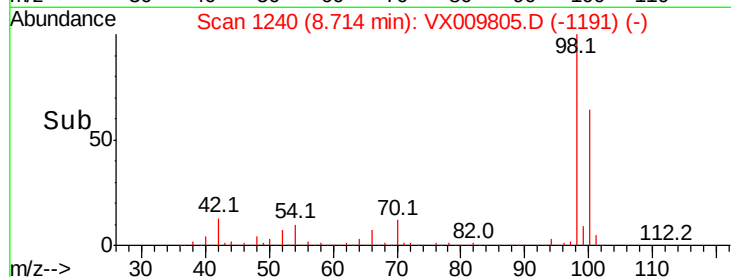
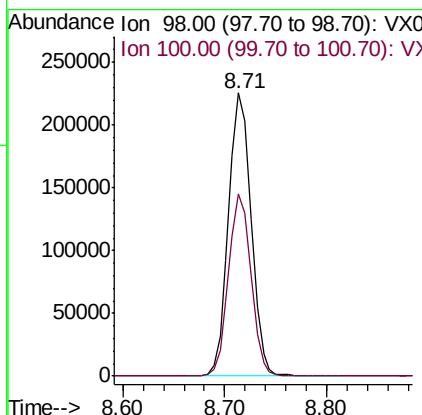
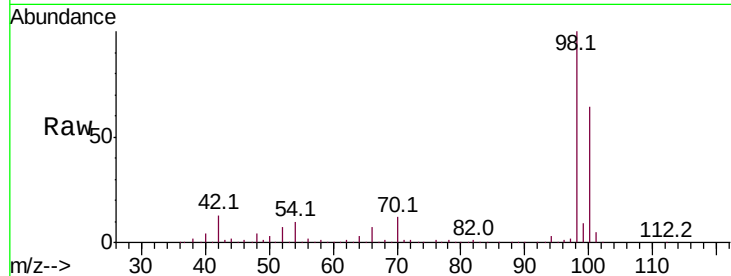




#50
Toluene-d8
Concen: 49.973 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

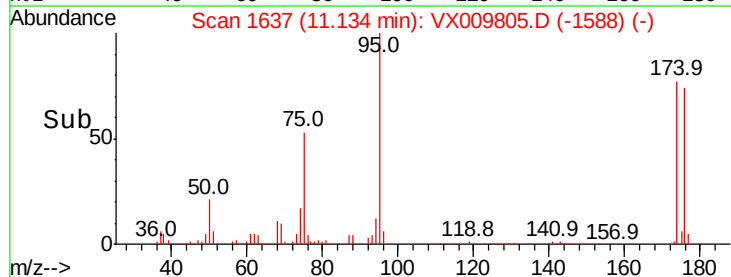
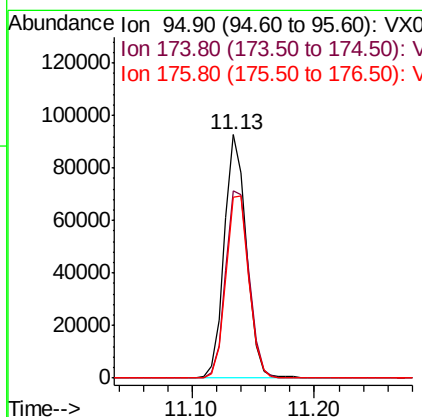
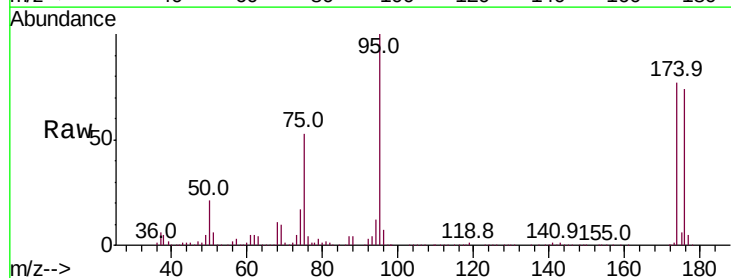
Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4

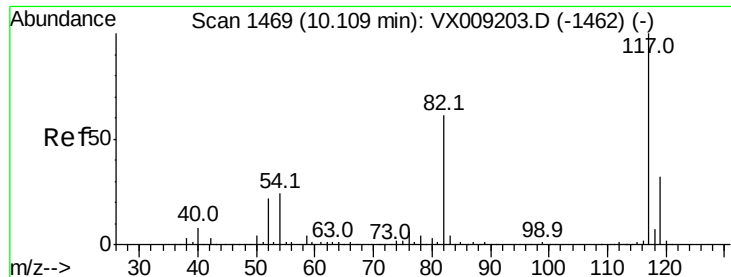
Tot Ion: 98 Resp: 346296
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 46.025 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Tgt Ion: 95 Resp: 115890
Ion Ratio Lower Upper
95 100
174 81.2 0.0 161.6
176 77.4 0.0 159.2

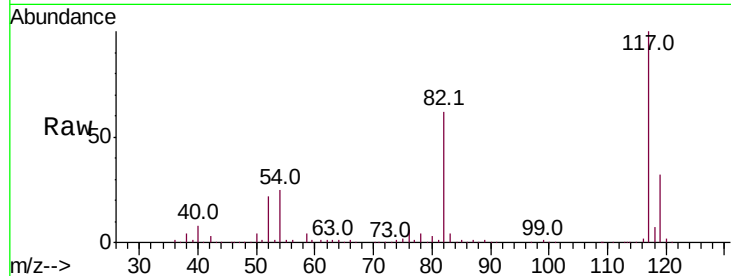




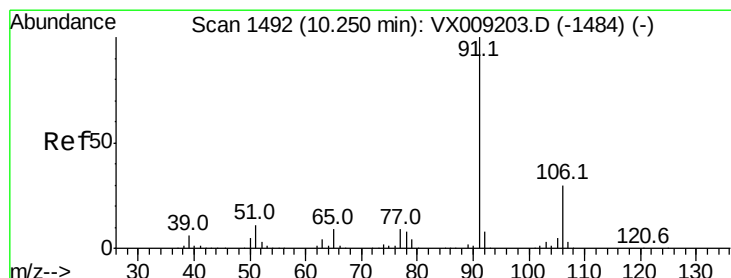
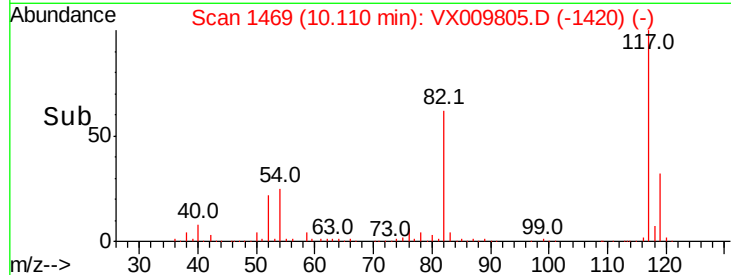
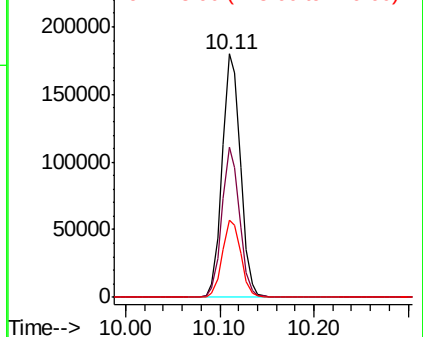
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4

Tot Ion:117 Resp: 242118
Ion Ratio Lower Upper
117 100
82 61.9 48.8 73.2
119 31.6 25.8 38.6

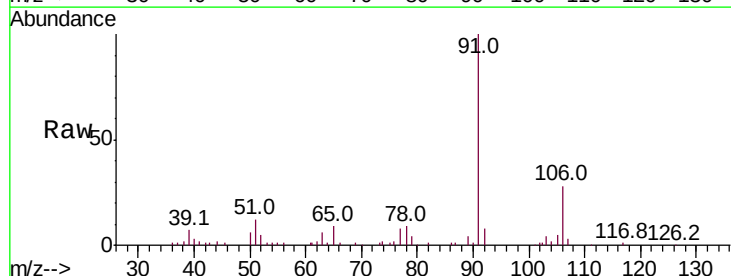


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

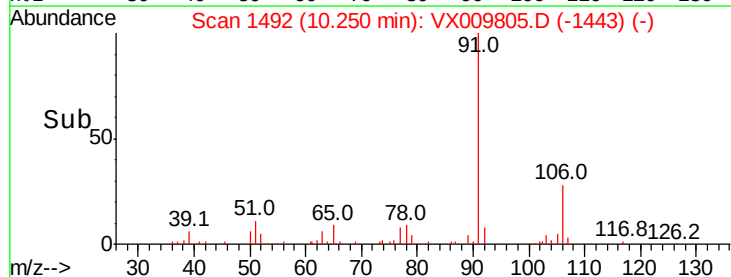
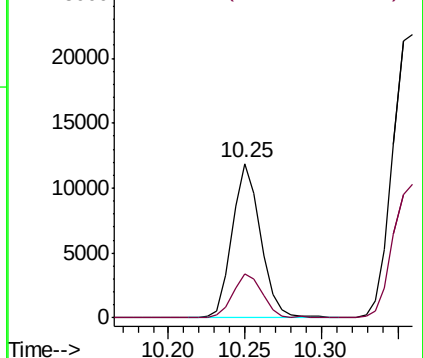


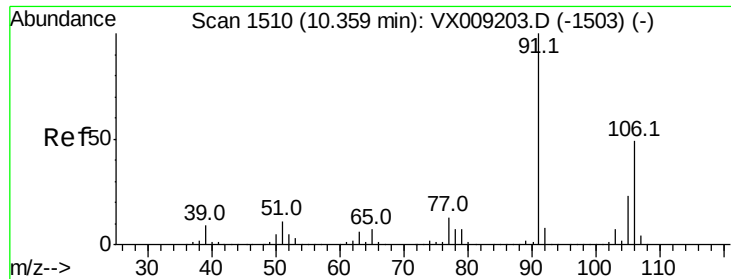
#67
Ethyl Benzene
Concen: 1.721 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Tgt Ion: 91 Resp: 15344
Ion Ratio Lower Upper
91 100
106 28.5 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

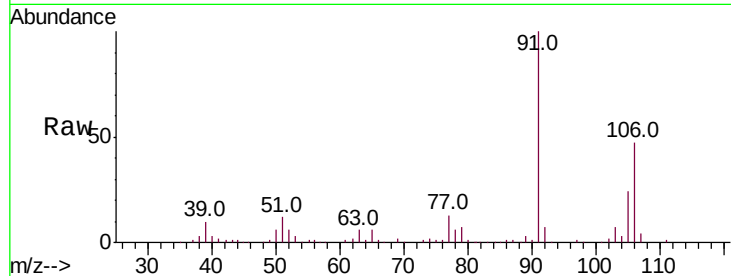




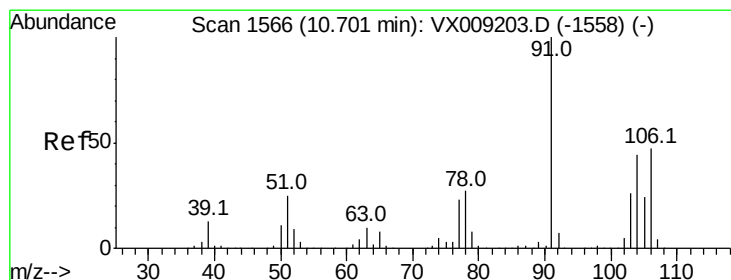
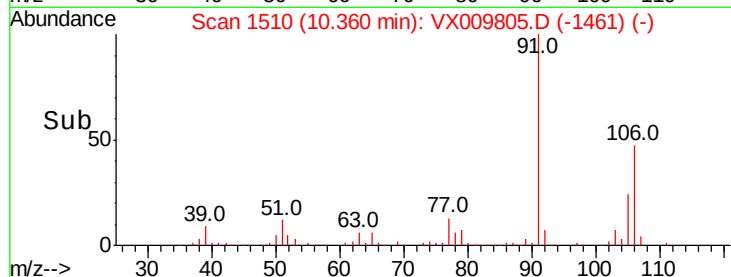
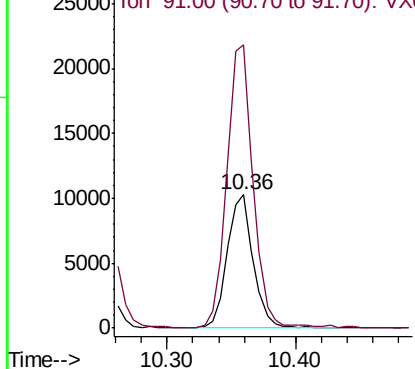
#68
m/p-Xylenes
Concen: 4.483 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-E3-4

Tot Ion:106 Resp: 14603
Ion Ratio Lower Upper
106 100
91 214.8 164.0 246.0

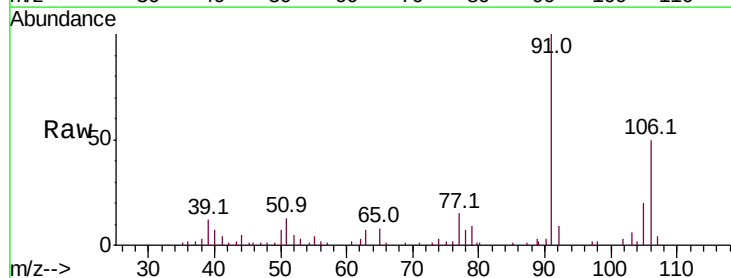


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

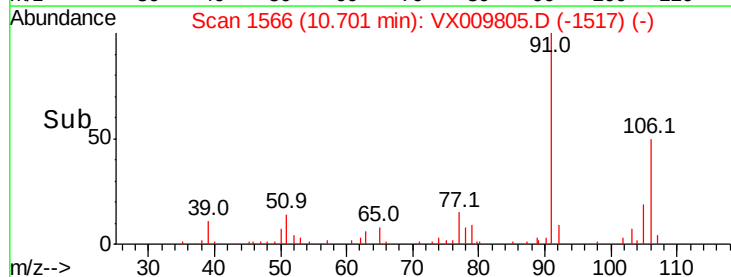
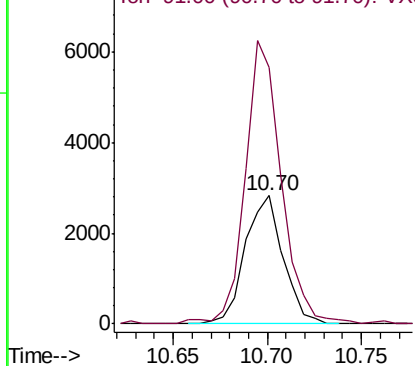


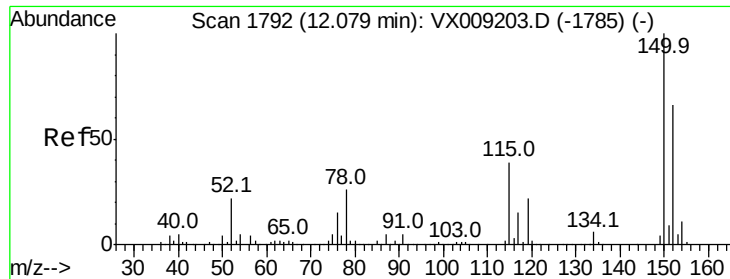
#69
o-Xylene
Concen: 1.226 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Tgt Ion:106 Resp: 3940
Ion Ratio Lower Upper
106 100
91 210.3 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009805.D

Acq: 22 May 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-E3-4

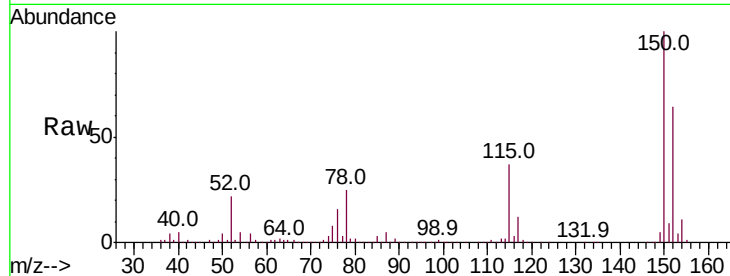
Tot Ion:152 Resp: 104233

Ion Ratio Lower Upper

152 100

115 59.2 41.2 123.6

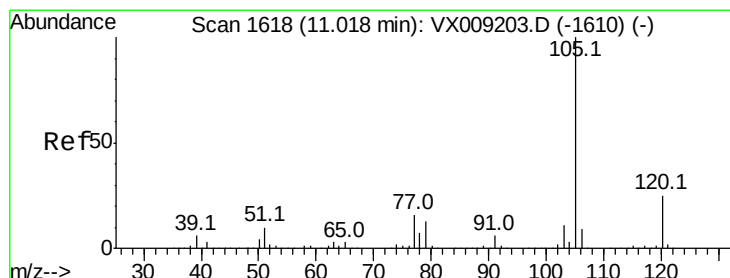
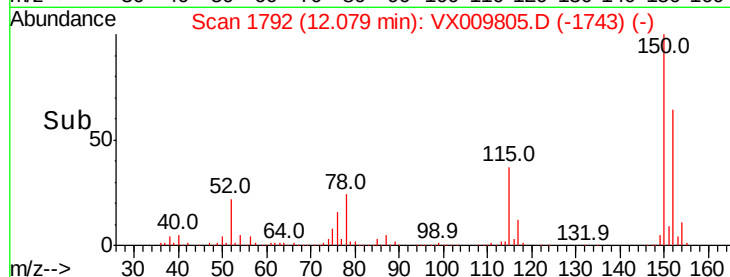
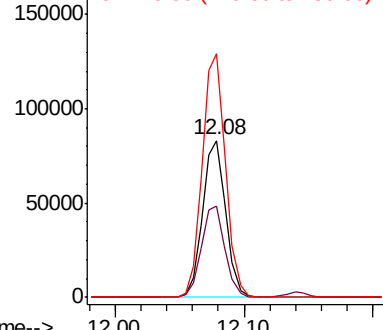
150 157.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.438 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009805.D

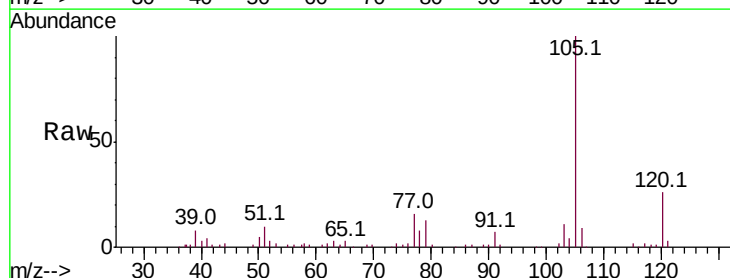
Acq: 22 May 2019 15:33

Tgt Ion:105 Resp: 18478

Ion Ratio Lower Upper

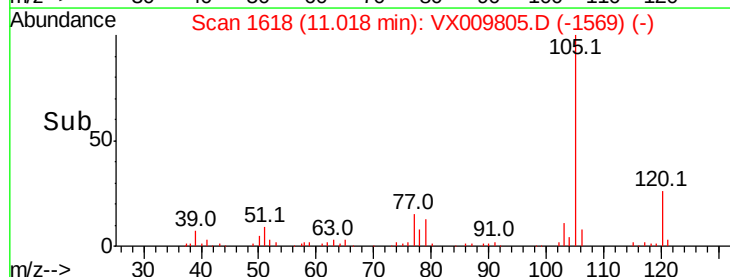
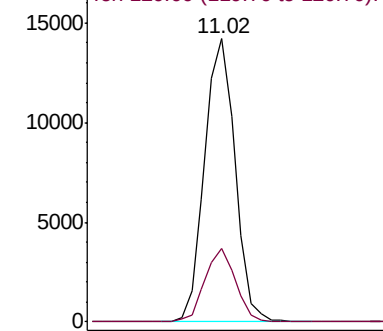
105 100

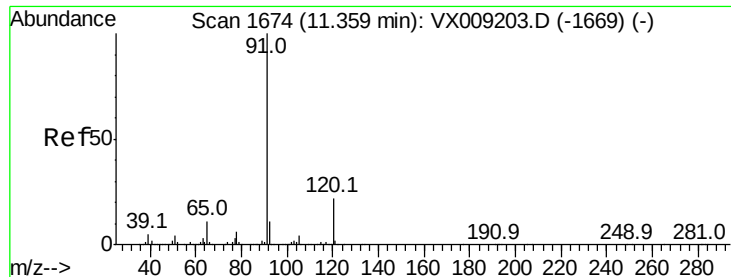
120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.676 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009805.D

Acq: 22 May 2019 15:33

Instrument :

MSVOA_X

ClientSampleId :

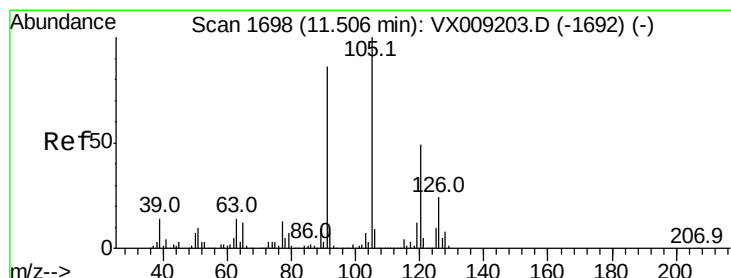
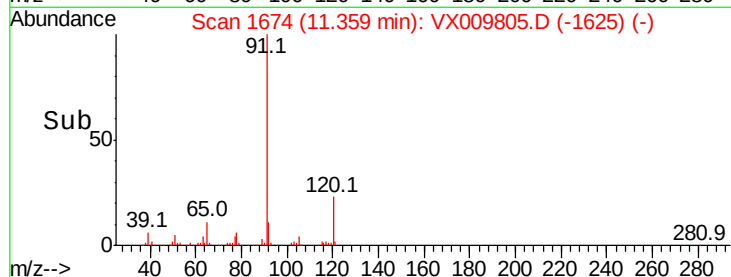
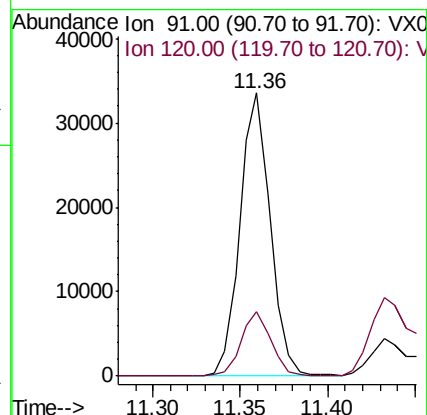
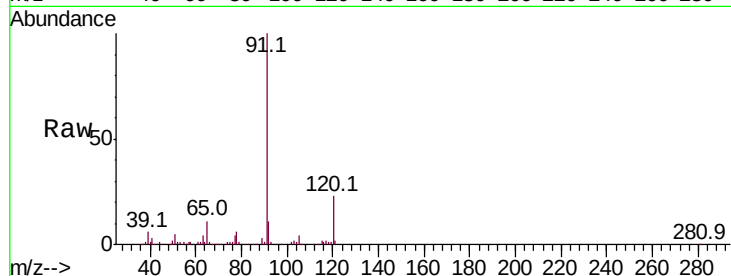
EP1-PZ-E3-4

Tot Ion: 91 Resp: 40479

Ion Ratio Lower Upper

91 100

120 22.5 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 5.658 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009805.D

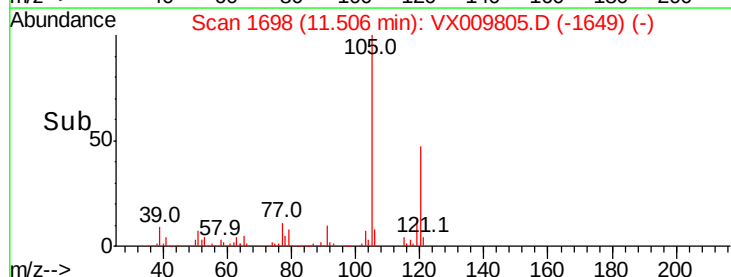
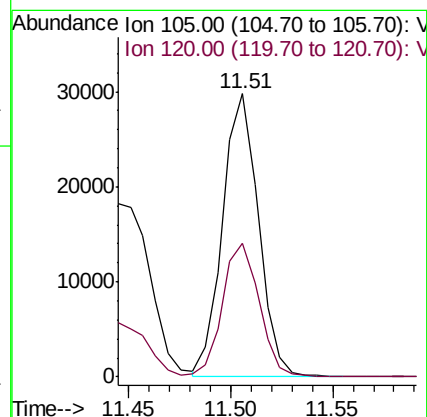
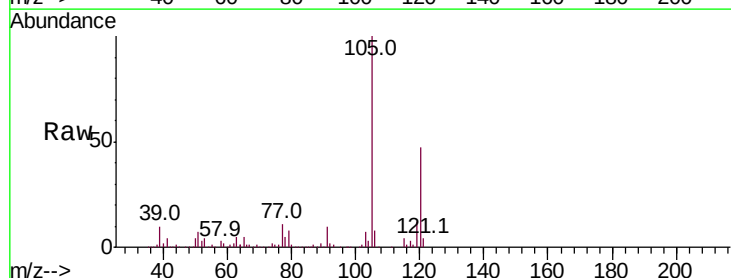
Acq: 22 May 2019 15:33

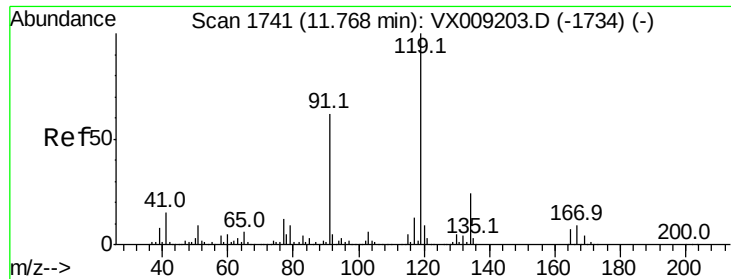
Tgt Ion:105 Resp: 36112

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9





#83

tert-Butylbenzene

Concen: 0.409 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009805.D

Acq: 22 May 2019 15:33

Instrument :

MSVOA_X

ClientSampled :

EP1-PZ-E3-4

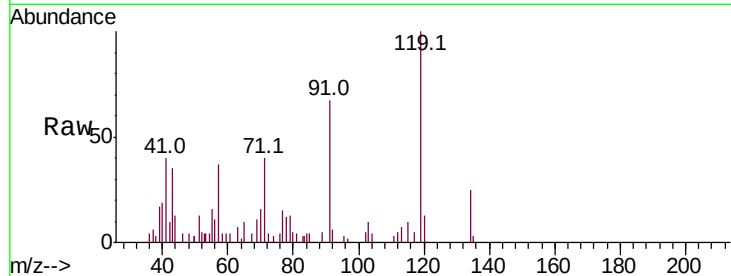
Tot Ion:119 Resp: 2539

Ion Ratio Lower Upper

119 100

91 73.9 29.5 88.5

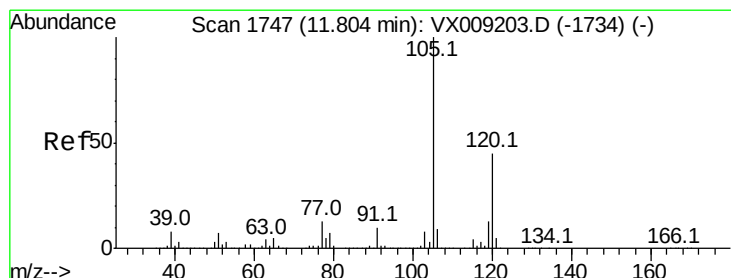
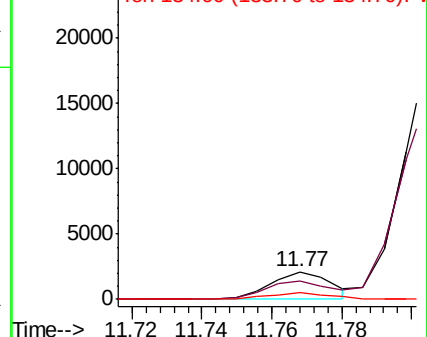
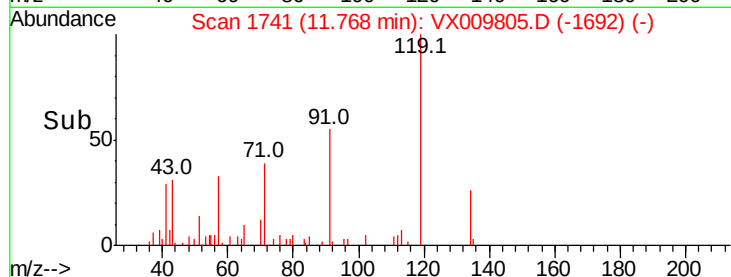
134 25.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 27.491 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009805.D

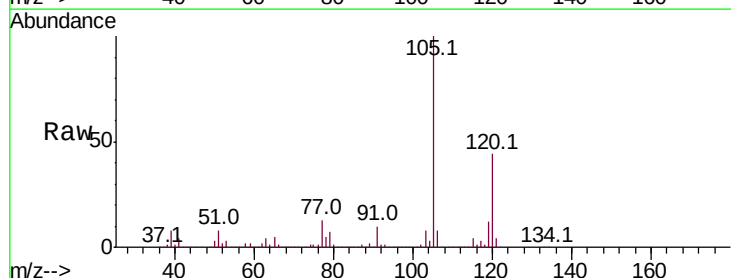
Acq: 22 May 2019 15:33

Tgt Ion:105 Resp: 176110

Ion Ratio Lower Upper

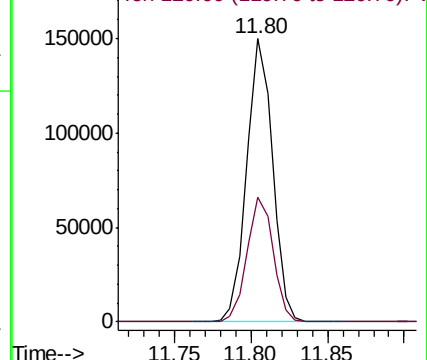
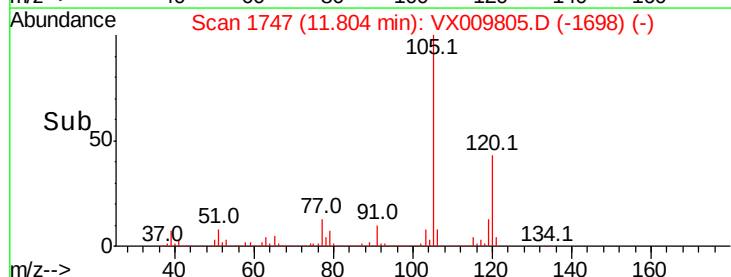
105 100

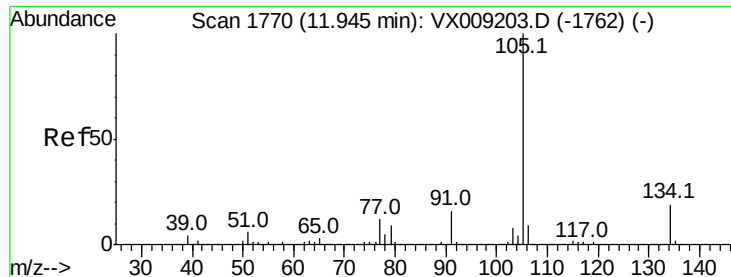
120 44.9 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.579 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009805.D

Acq: 22 May 2019 15:33

Instrument :

MSVOA_X

ClientSampled :

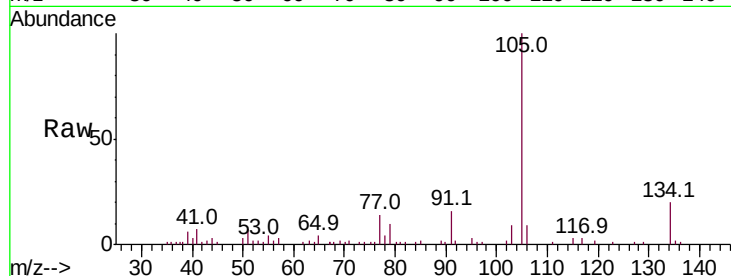
EP1-PZ-E3-4

Tot Ion:105 Resp: 11623

Ion Ratio Lower Upper

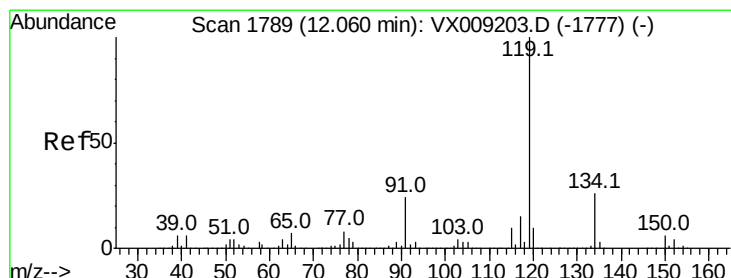
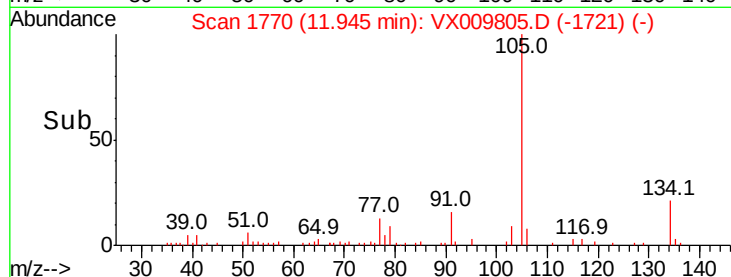
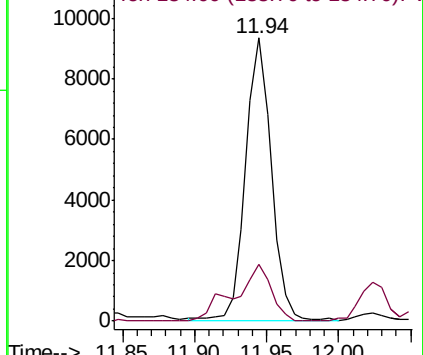
105 100

134 28.6 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: 0.804 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX009805.D

Acq: 22 May 2019 15:33

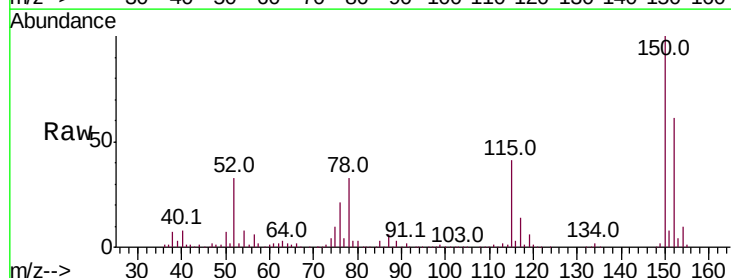
Tgt Ion:119 Resp: 5318

Ion Ratio Lower Upper

119 100

134 29.5 12.9 38.7

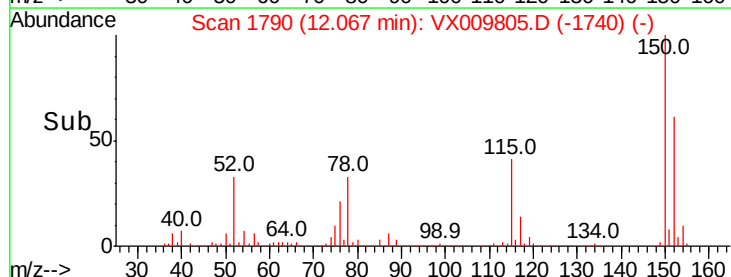
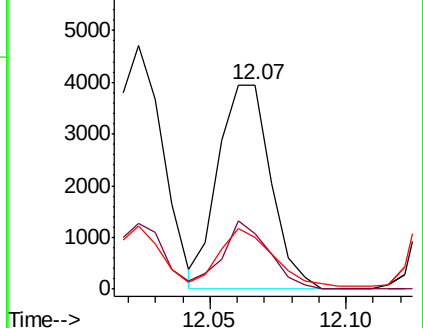
91 28.2 11.8 35.4

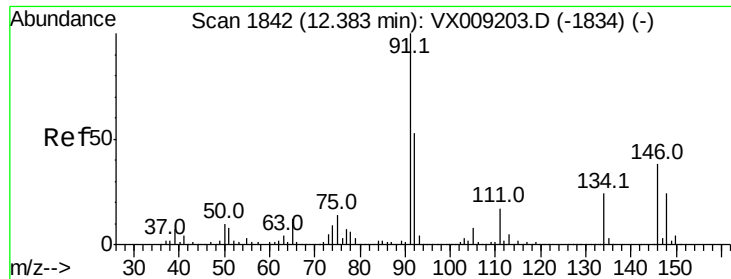


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

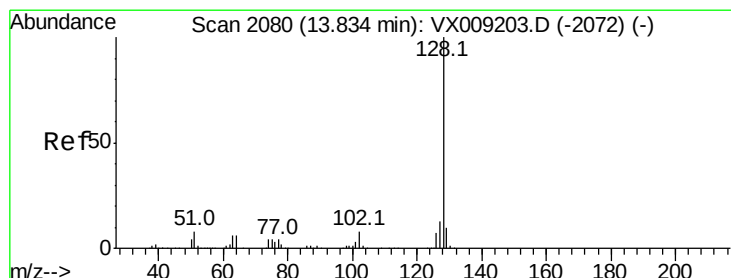
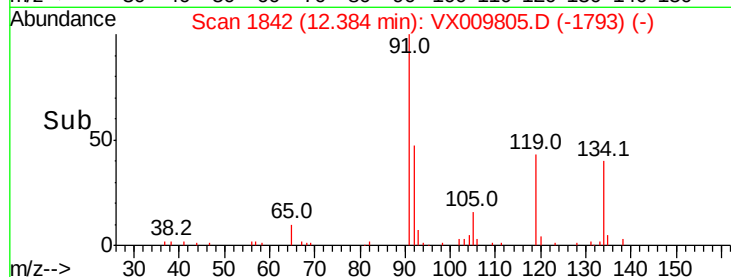
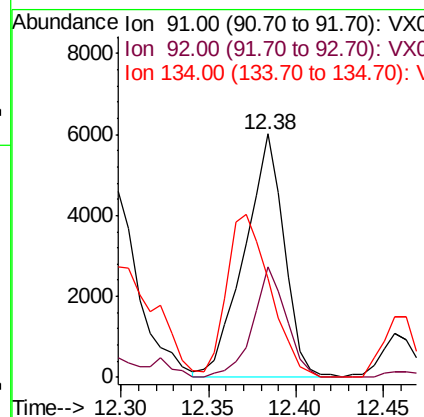
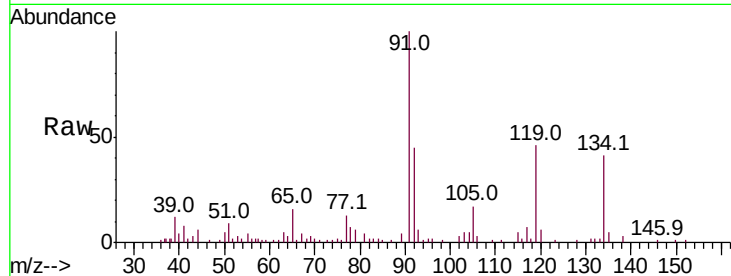




#89
n-Butylbenzene
Concen: 1.593 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Instrument :
MSVOA_X
ClientSampled :
EP1-PZ-E3-4

Tot Ion: 91 Resp: 9527
Ion Ratio Lower Upper
91 100
92 38.1 26.5 79.5
134 72.9 12.4 37.2#



#95
Naphthalene
Concen: 1.217 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009805.D
Acq: 22 May 2019 15:33

Tgt Ion: 128 Resp: 9249
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 14.0 8.6 13.0#

