

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010537.D
 Acq On : 28 Jun 2019 16:11
 Operator : JC/SP
 Sample : K3565-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0568DL

Quant Time: Jun 29 05:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	370703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172263	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	115969	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
35) Dibromofluoromethane	5.50	113	111249	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.71	98	439786	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.13	95	151691	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

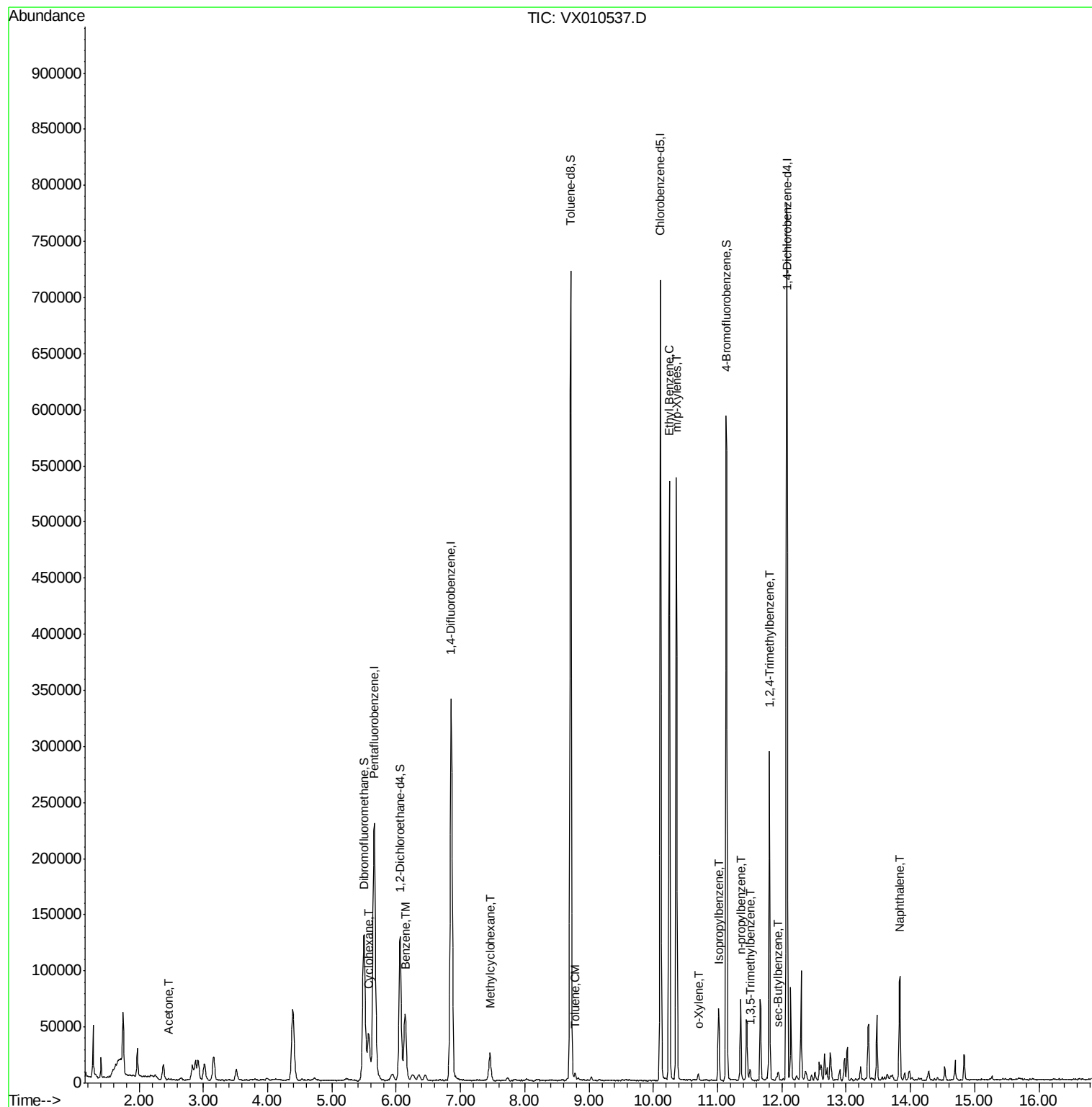
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	1490	1.317	ug/l	89
31) Cyclohexane	5.57	56	28667	8.791	ug/l	100
39) Methylcyclohexane	7.46	83	11427	2.951	ug/l	98
40) Benzene	6.13	78	73994	8.062	ug/l	100
52) Toluene	8.78	92	2159	0.357	ug/l	95
67) Ethyl Benzene	10.25	91	305288	26.140	ug/l	100
68) m/p-Xylenes	10.36	106	126737	28.006	ug/l	98
69) o-Xylene	10.69	106	1537	0.345	ug/l	99
73) Isopropylbenzene	11.02	105	33546	2.873	ug/l	99
78) n-propylbenzene	11.36	91	43484	3.388	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	4197	0.436	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	129799	13.421	ug/l	98
85) sec-Butylbenzene	11.94	105	3902	0.344	ug/l #	65
95) Naphthalene	13.83	128	61186	5.075	ug/l	99

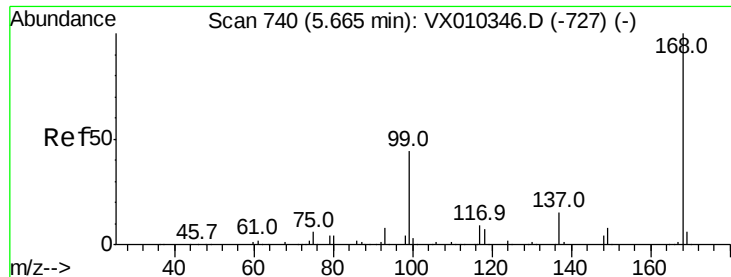
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

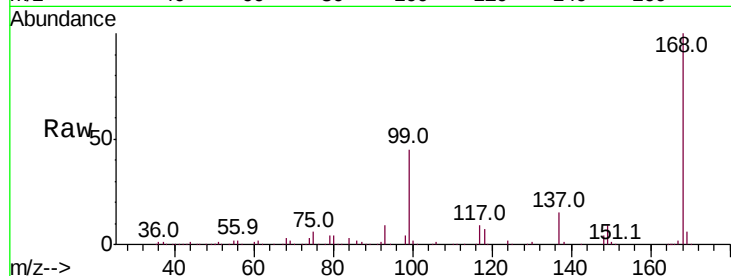
FL-0568DL

Tot Ion:168 Resp: 240793

Ion Ratio Lower Upper

168 100

99 44.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

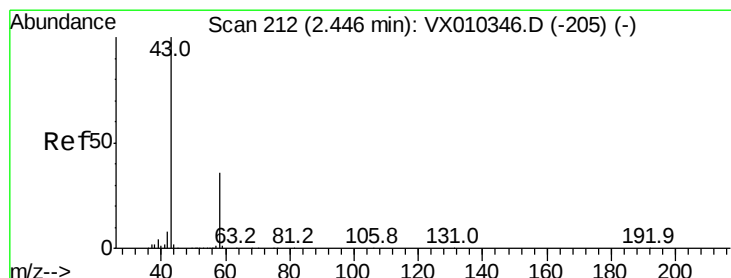
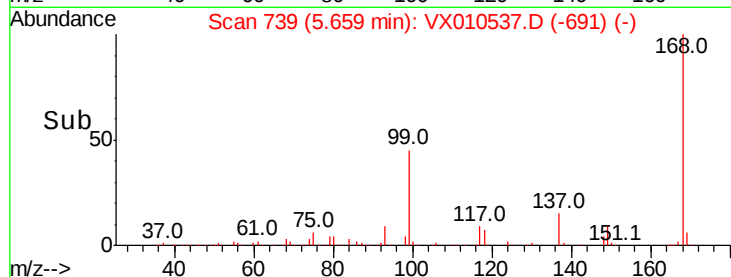
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.317 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010537.D

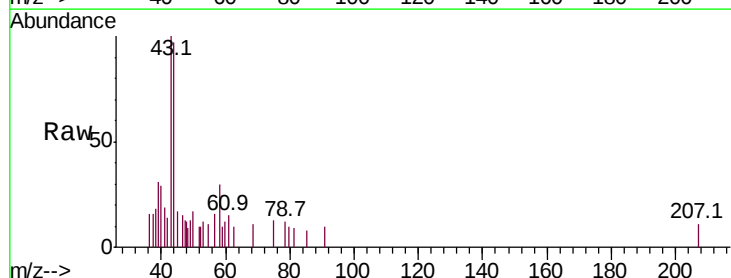
Acq: 28 Jun 2019 16:11

Tgt Ion: 43 Resp: 1490

Ion Ratio Lower Upper

43 100

58 29.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

1500

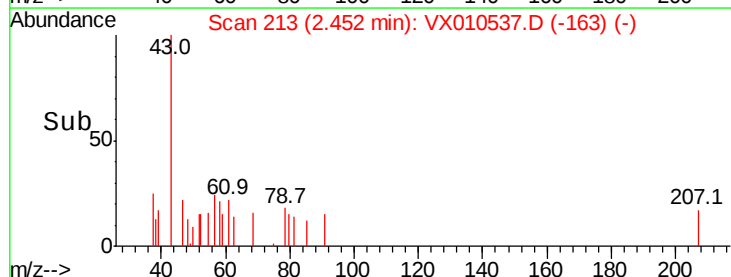
1000

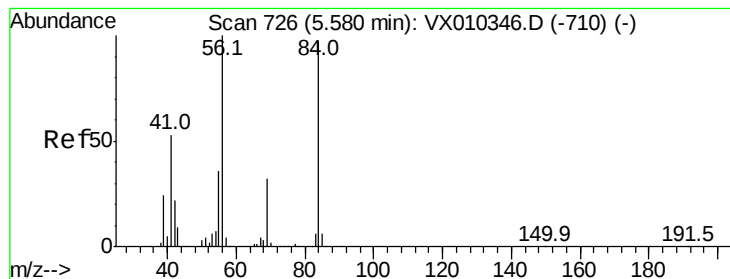
500

0

Time-->

2.40 2.45 2.50





#31

Cyclohexane

Concen: 8.791 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

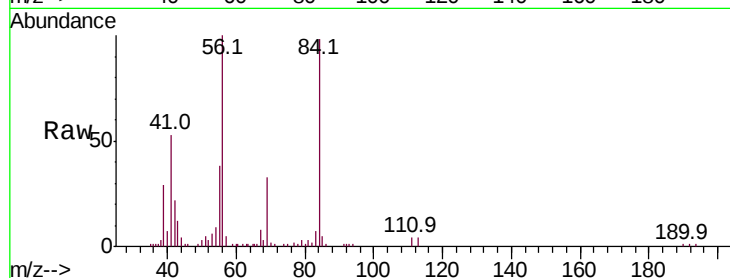
MSVOA_X

ClientSampleId :

FL-0568DL

Tot Ion: 56 Resp: 28667

Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	98.0	78.0	117.0

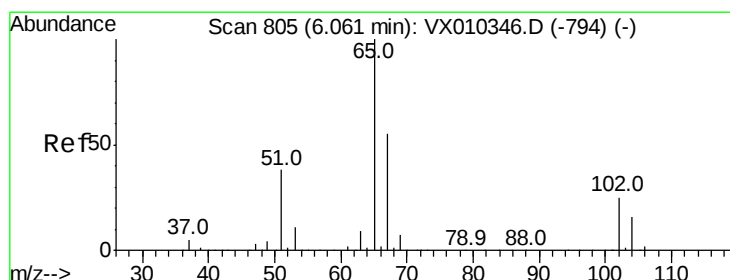
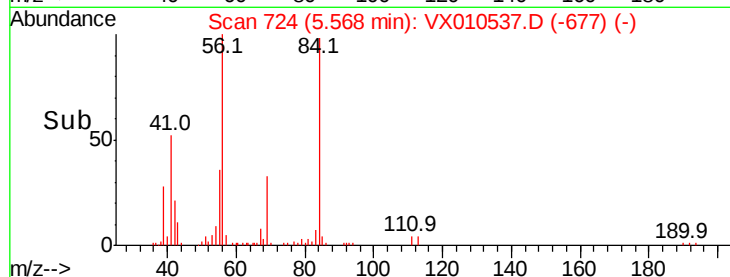
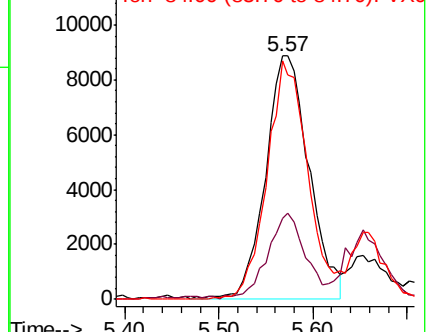


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.367 ug/l

RT: 6.06 min Scan# 805

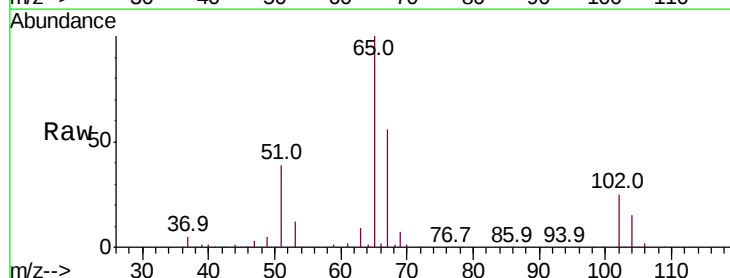
Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Tgt Ion: 65 Resp: 115969

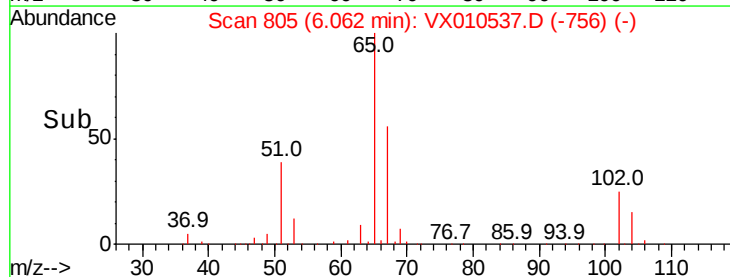
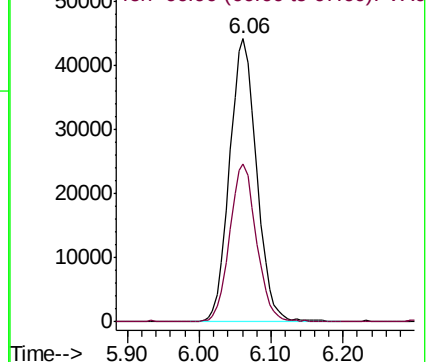
Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.2

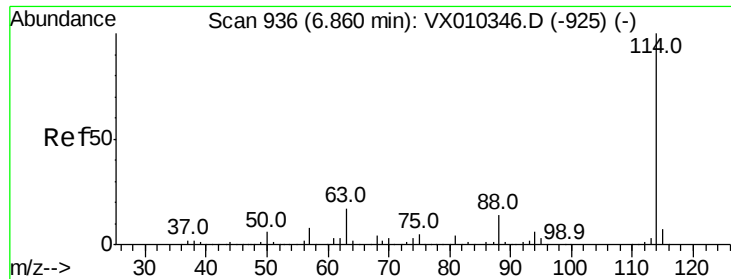


Abundance

Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

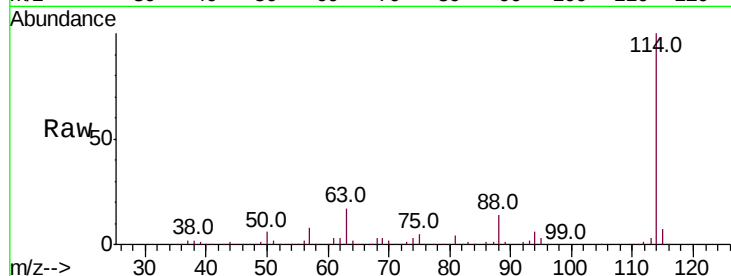




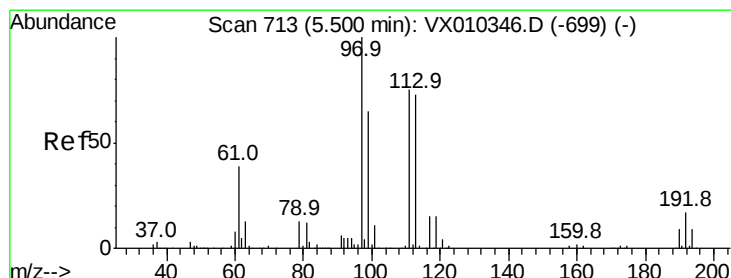
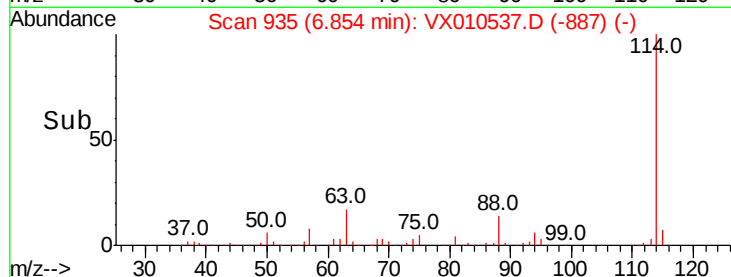
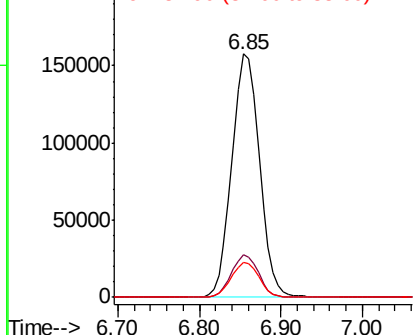
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010537.D
Acq: 28 Jun 2019 16:11

Instrument :
MSVOA_X
ClientSampleId :
FL-0568DL

Tot Ion:114 Resp: 370703
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.3 0.0 27.6

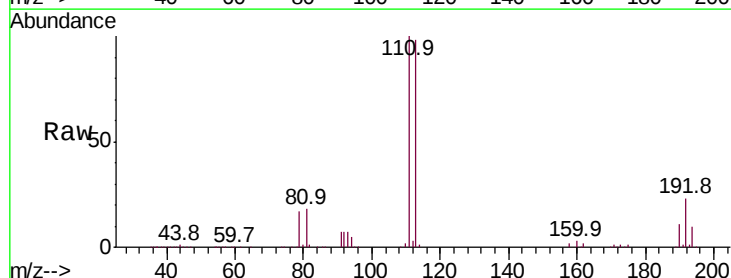


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

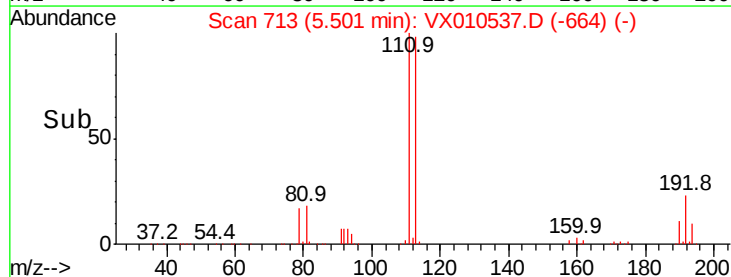
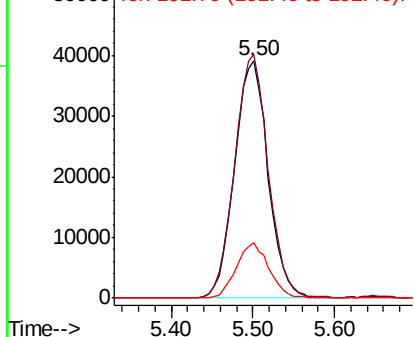


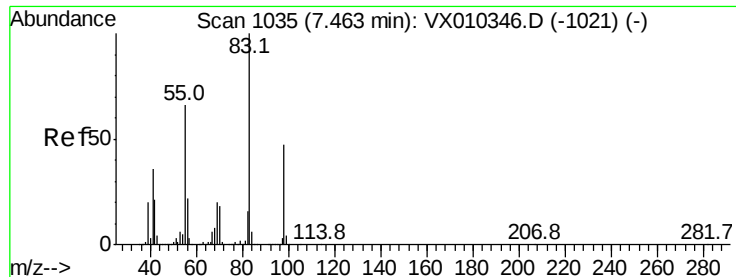
#35
Dibromofluoromethane
Concen: 49.050 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010537.D
Acq: 28 Jun 2019 16:11

Tgt Ion:113 Resp: 111249
Ion Ratio Lower Upper
113 100
111 102.8 81.2 121.8
192 22.6 18.6 27.8



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

Methvlcvclohexane

Concen: 2.951 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

FL-0568DL

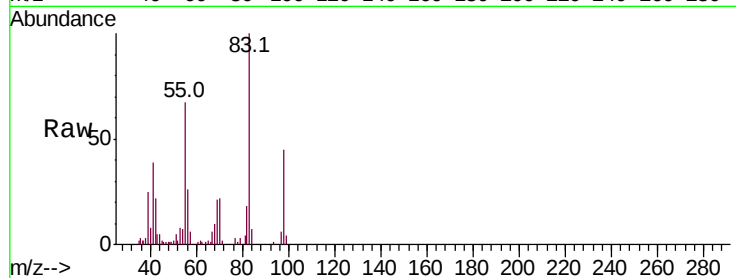
Tot Ion: 83 Resp: 11427

Ion Ratio Lower Upper

83 100

55 65.8 53.0 79.6

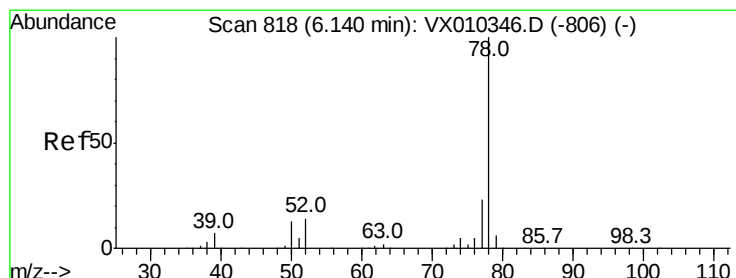
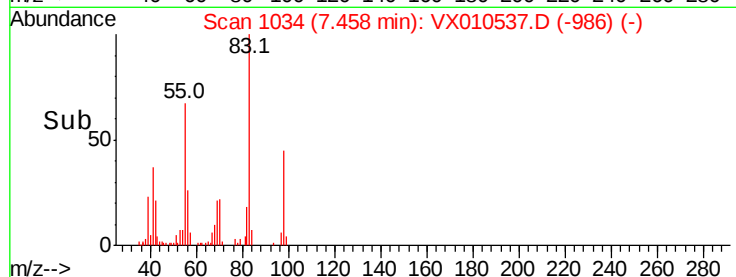
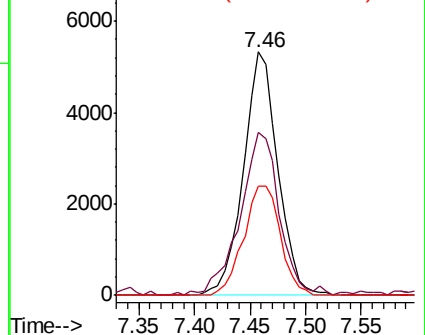
98 44.8 37.8 56.8



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: 8.062 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX010537.D

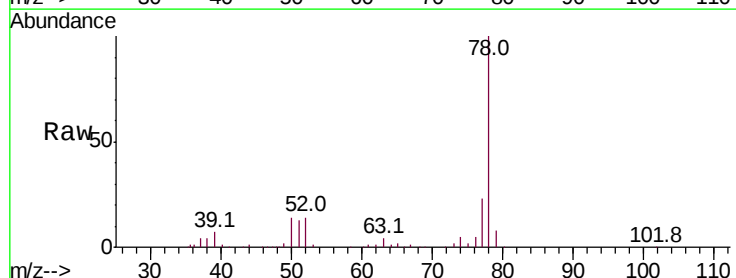
Acq: 28 Jun 2019 16:11

Tgt Ion: 78 Resp: 73994

Ion Ratio Lower Upper

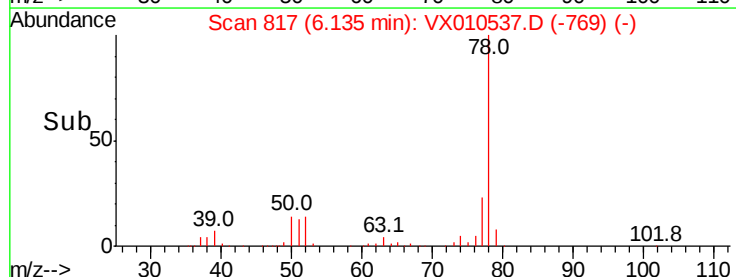
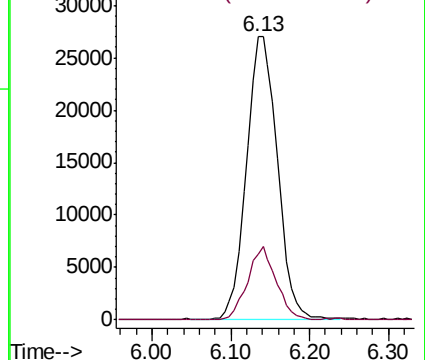
78 100

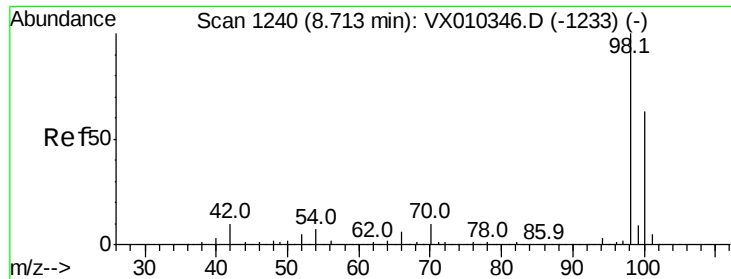
77 23.4 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 50.682 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

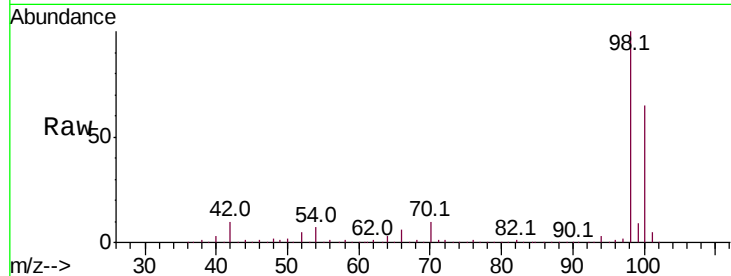
FL-0568DL

Tot Ion: 98 Resp: 439786

Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

300000

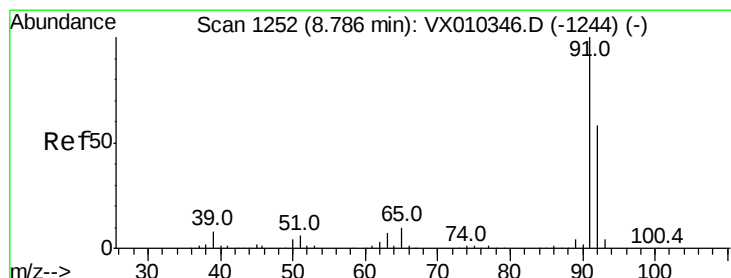
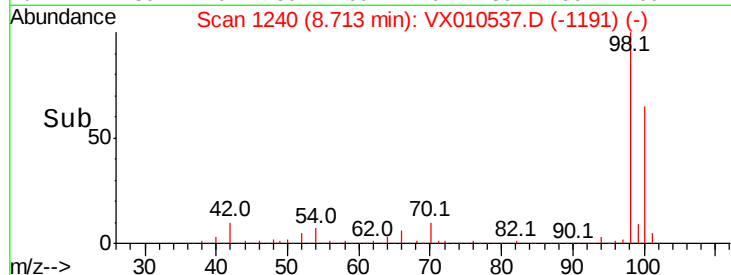
200000

100000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 0.357 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010537.D

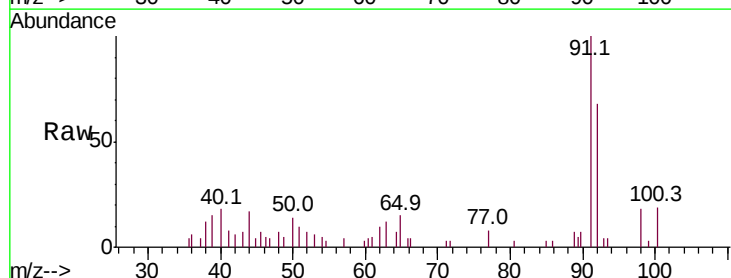
Acq: 28 Jun 2019 16:11

Tgt Ion: 92 Resp: 2159

Ion Ratio Lower Upper

92 100

91 167.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

2500

2000

1500

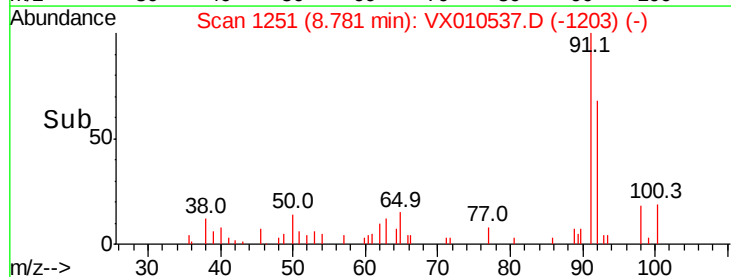
1000

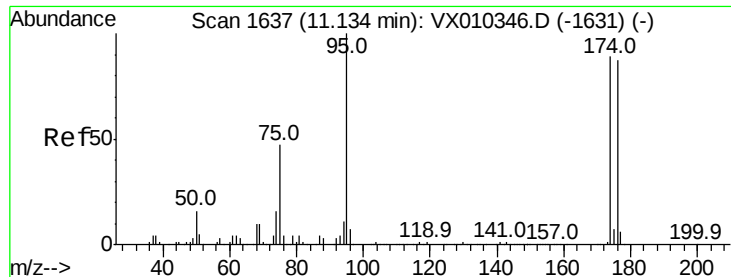
500

0

8.70 8.75 8.80 8.85

Time-->





#62

4-Bromofluorobenzene

Concen: 48.421 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

FL-0568DL

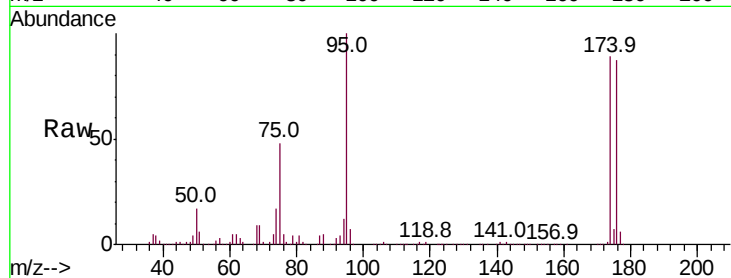
Tot Ion: 95 Resp: 151691

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.6

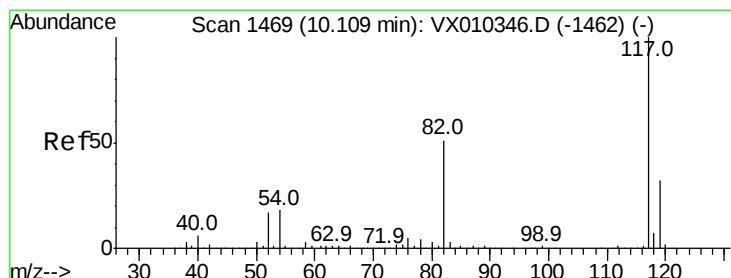
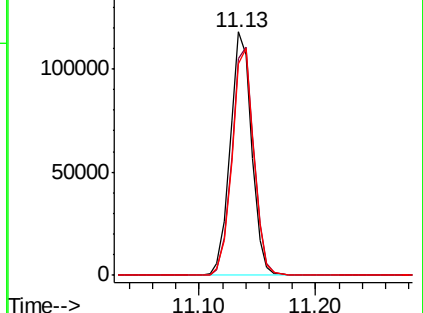
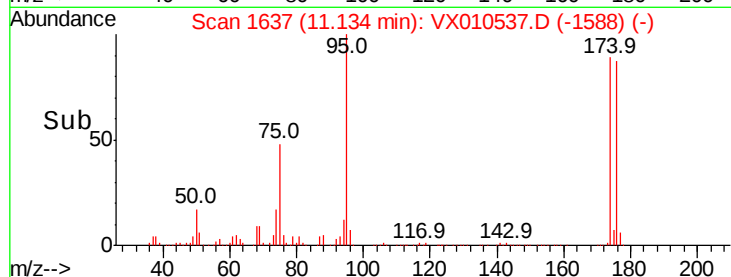
176 93.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010537.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010537.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010537.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

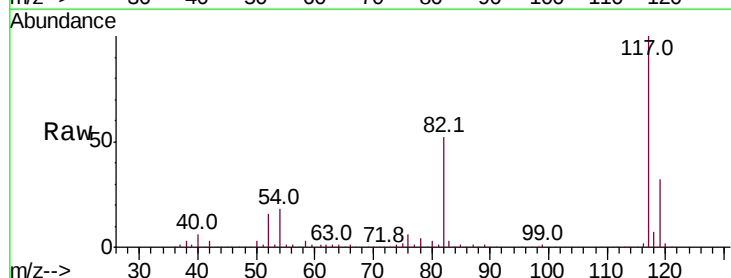
Tgt Ion: 117 Resp: 340755

Ion Ratio Lower Upper

117 100

82 51.8 41.2 61.8

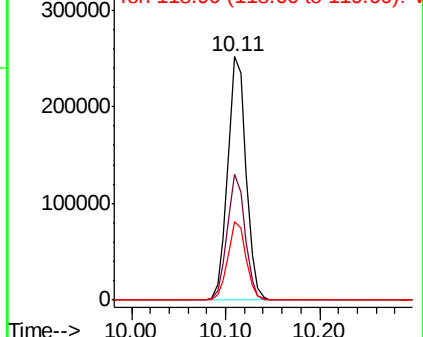
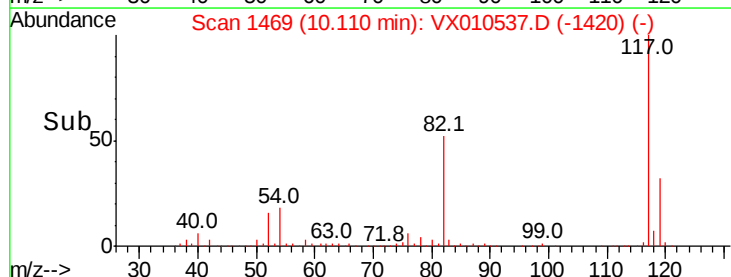
119 32.1 25.5 38.3

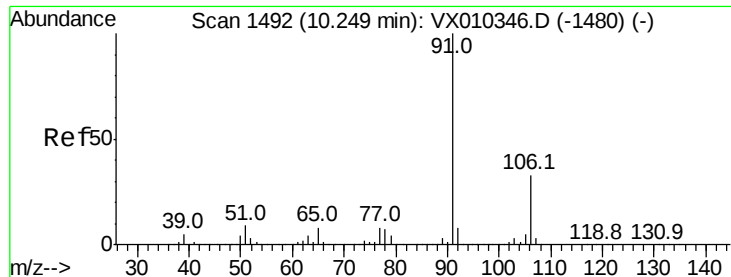


Abundance Ion 116.90 (116.60 to 117.60): VX010537.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010537.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010537.D (-1420) (-)





#67

Ethyl Benzene

Concen: 26.140 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampled :

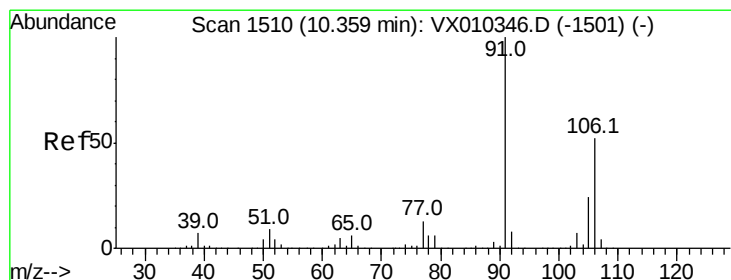
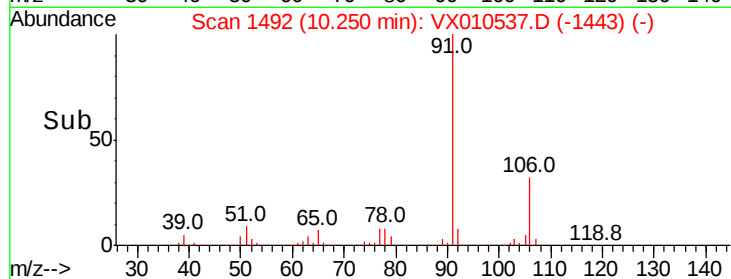
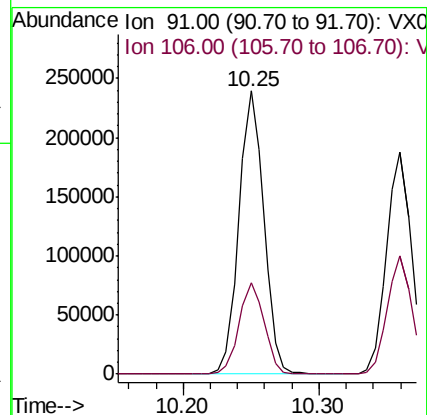
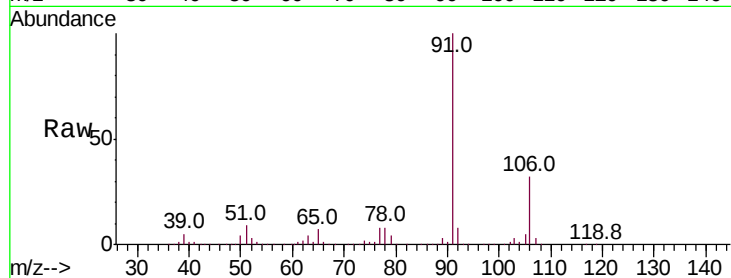
FL-0568DL

Tot Ion: 91 Resp: 305288

Ion Ratio Lower Upper

91 100

106 32.4 26.2 39.2



#68

m/p-Xylenes

Concen: 28.006 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010537.D

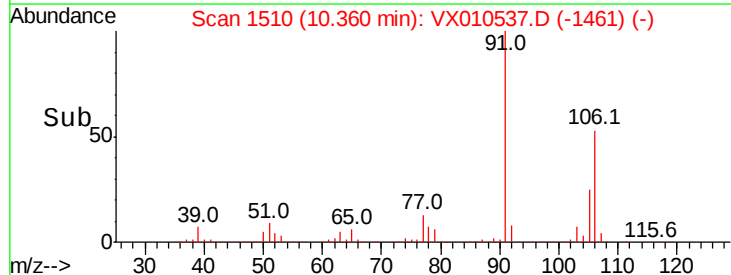
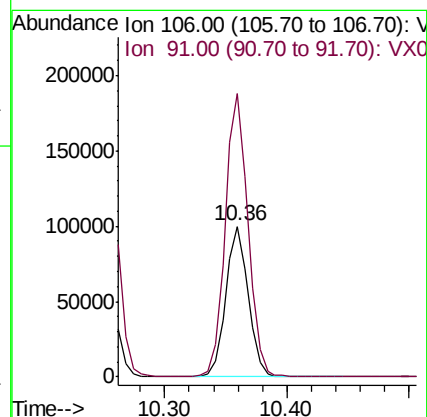
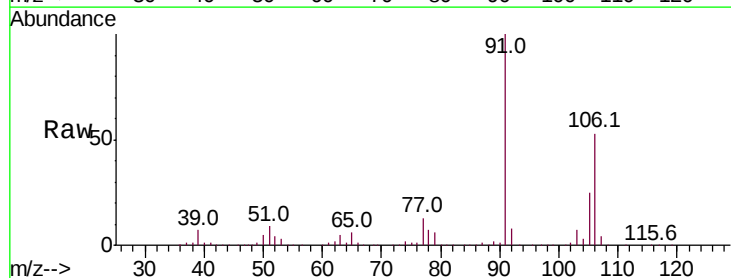
Acq: 28 Jun 2019 16:11

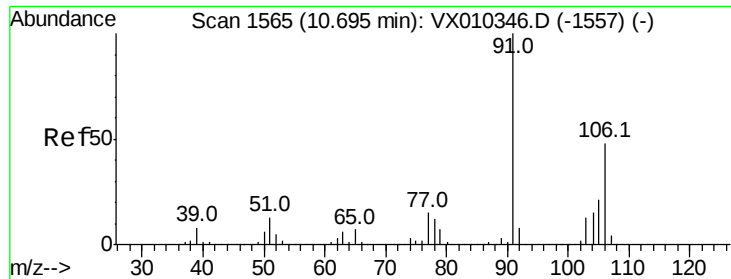
Tgt Ion: 106 Resp: 126737

Ion Ratio Lower Upper

106 100

91 191.0 155.3 232.9

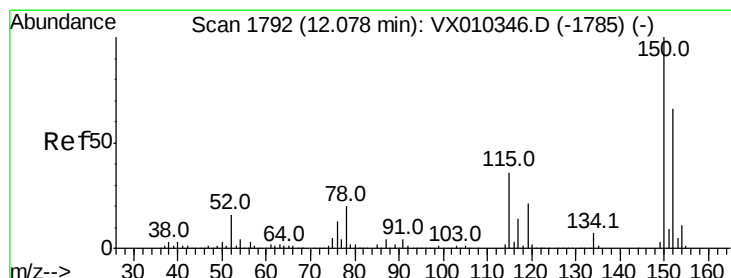
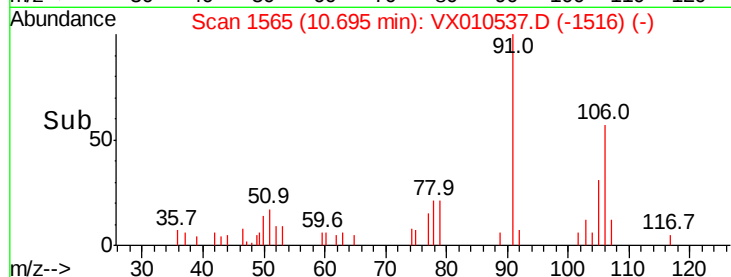
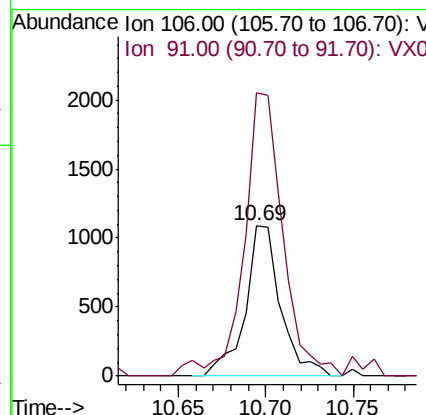
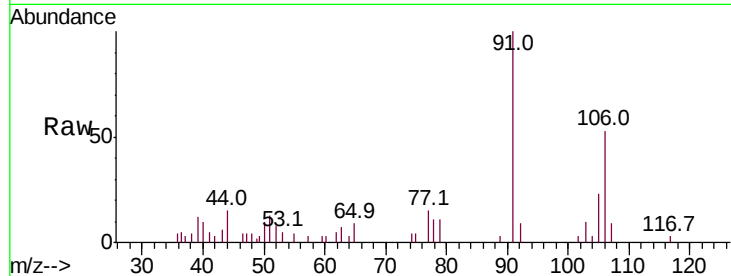




#69
o-Xylene
Concen: 0.345 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010537.D
Acq: 28 Jun 2019 16:11

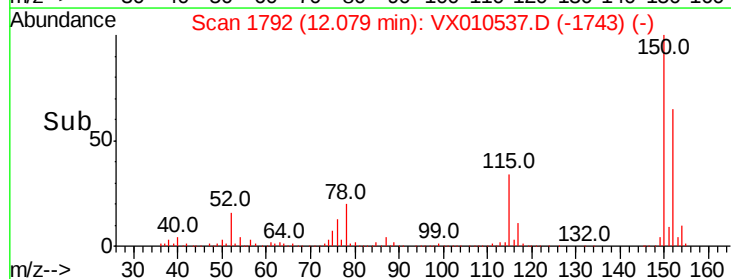
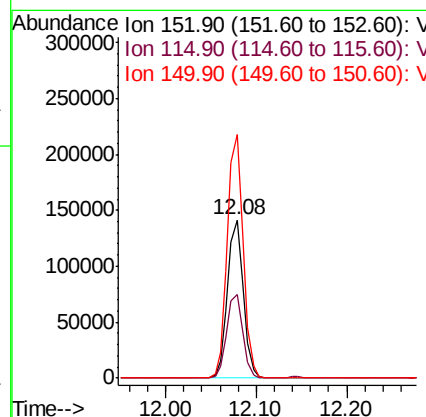
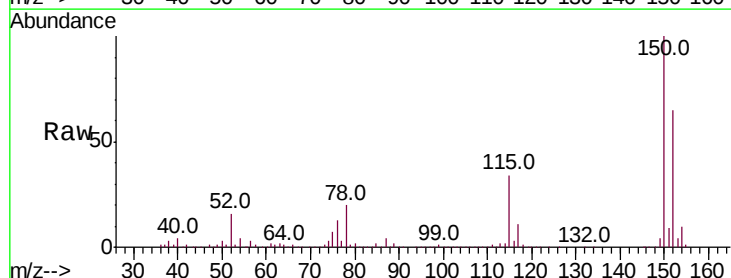
Instrument :
MSVOA_X
ClientSampleId :
FL-0568DL

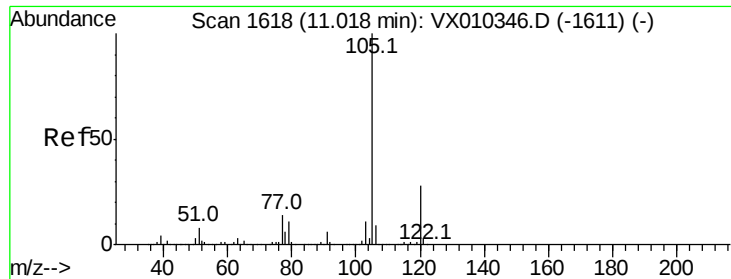
Tot Ion:106 Resp: 1537
Ion Ratio Lower Upper
106 100
91 206.3 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010537.D
Acq: 28 Jun 2019 16:11

Tgt Ion:152 Resp: 172263
Ion Ratio Lower Upper
152 100
115 53.9 38.6 115.7
150 154.6 0.0 347.4





#73

Isopropylbenzene

Concen: 2.873 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

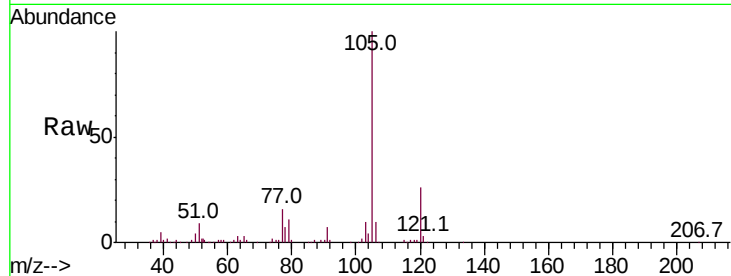
FL-0568DL

Tot Ion:105 Resp: 33546

Ion Ratio Lower Upper

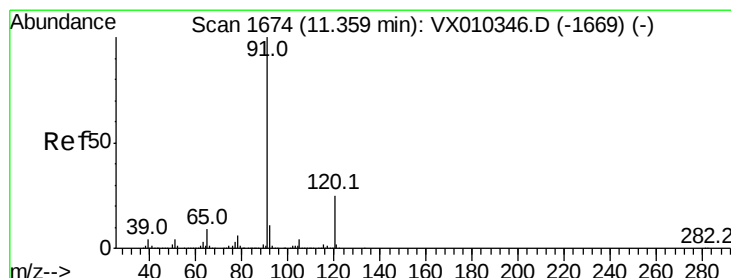
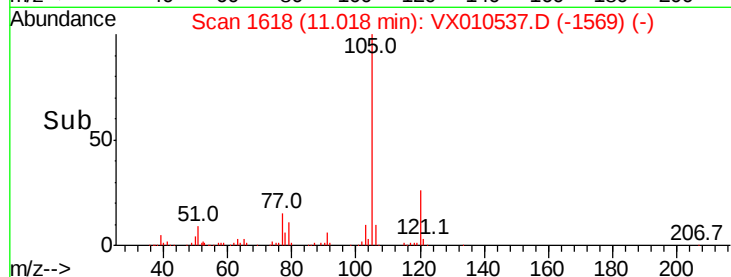
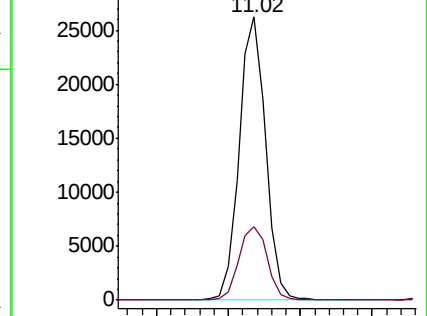
105 100

120 27.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.388 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010537.D

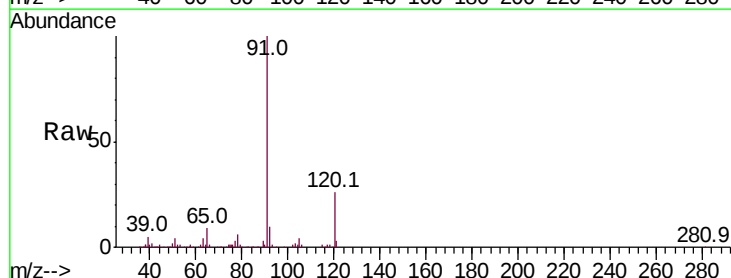
Acq: 28 Jun 2019 16:11

Tgt Ion: 91 Resp: 43484

Ion Ratio Lower Upper

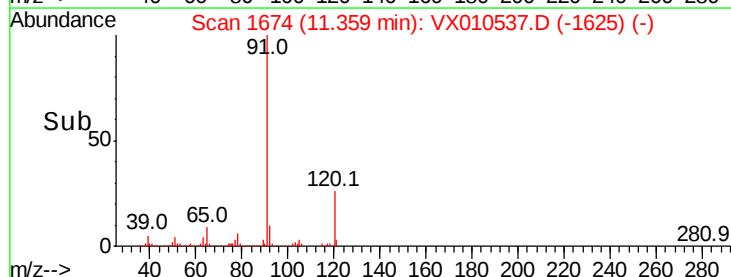
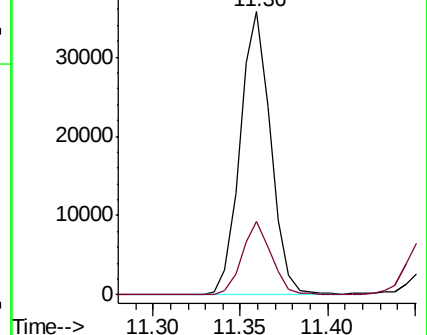
91 100

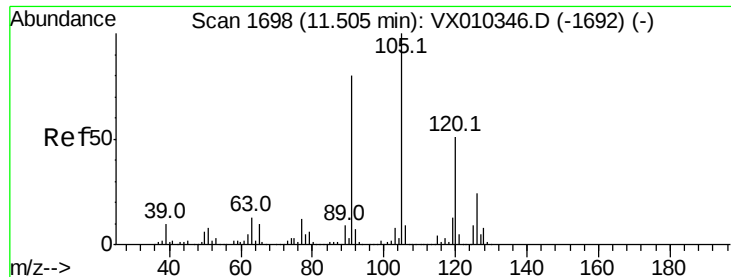
120 24.9 12.4 37.4



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: 0.436 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

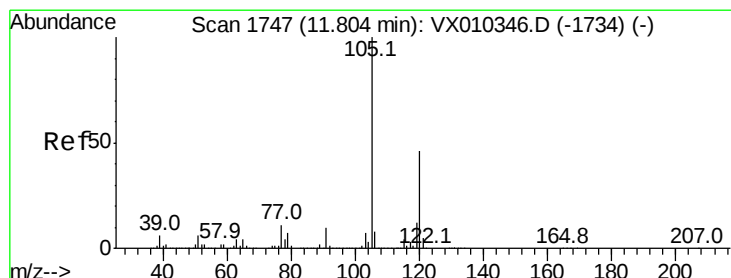
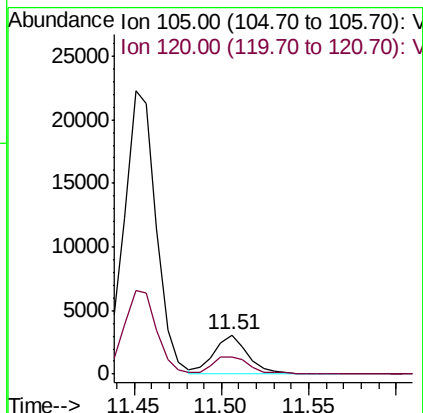
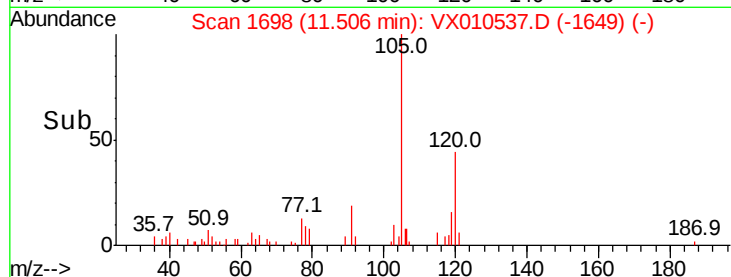
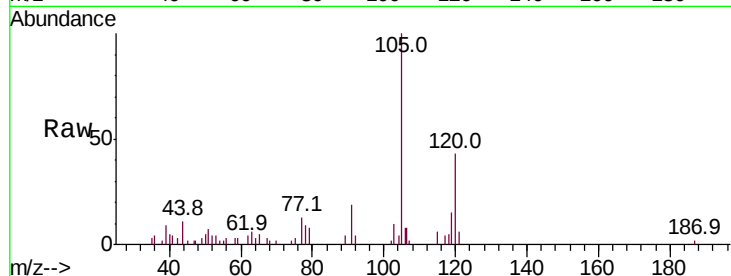
FL-0568DL

Tot Ion:105 Resp: 4197

Ion Ratio Lower Upper

105 100

120 48.7 25.2 75.6



#84

1,2,4-Trimethylbenzene

Concen: 13.421 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010537.D

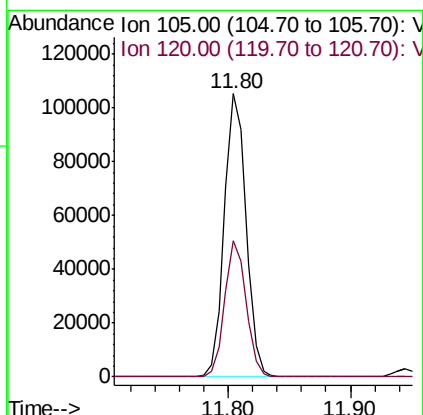
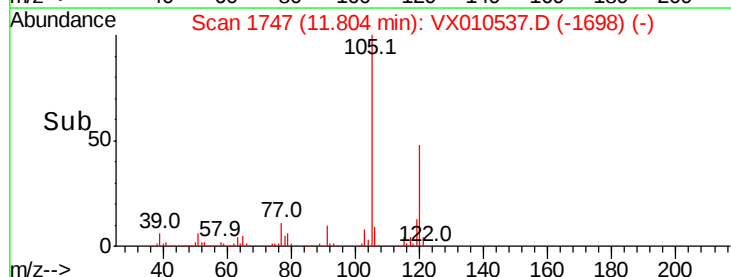
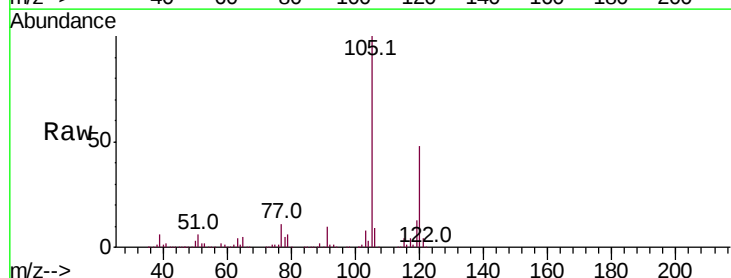
Acq: 28 Jun 2019 16:11

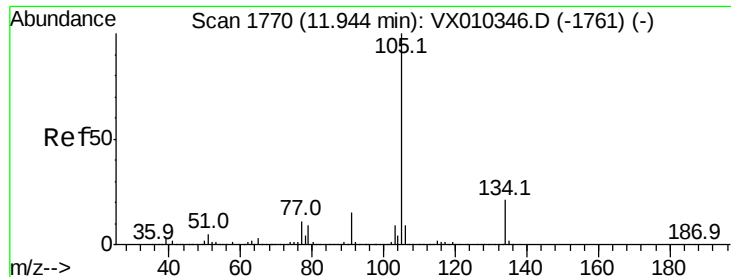
Tgt Ion:105 Resp: 129799

Ion Ratio Lower Upper

105 100

120 47.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.344 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

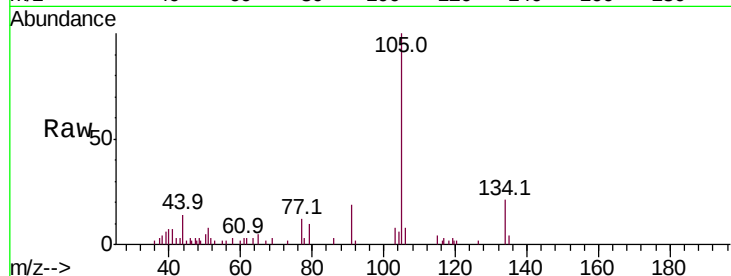
FL-0568DL

Tot Ion:105 Resp: 3902

Ion Ratio Lower Upper

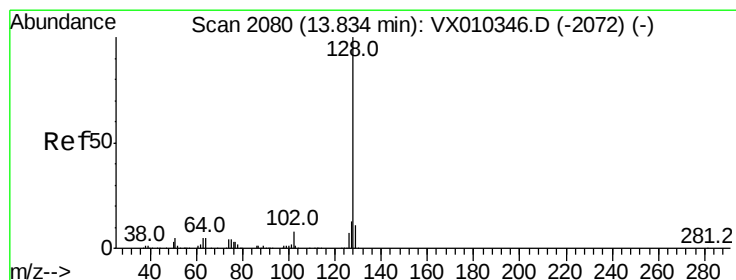
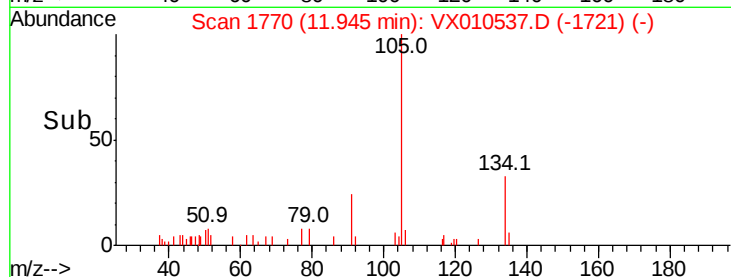
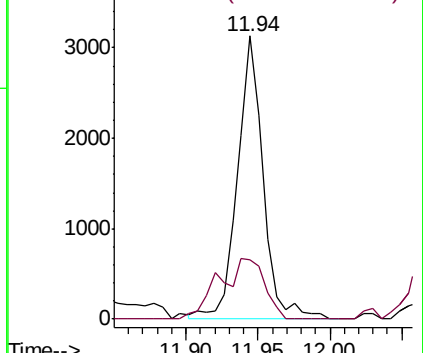
105 100

134 37.6 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 5.075 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010537.D

Acq: 28 Jun 2019 16:11

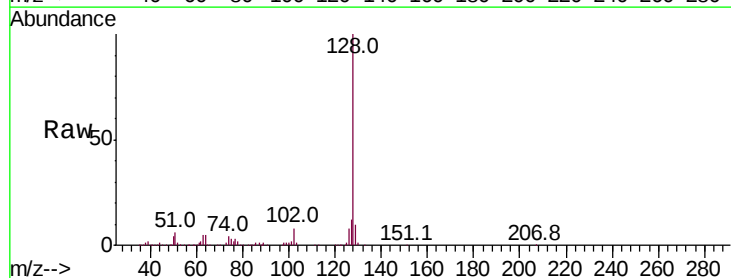
Tgt Ion:128 Resp: 61186

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

