

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011027.D
 Acq On : 22 Jul 2019 13:53
 Operator : JC/SP
 Sample : K3884-08DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0616DL

Quant Time: Jul 23 13:21:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	361141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179463	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	134975	51.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.54%	
35) Dibromofluoromethane	5.50	113	121655	49.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.24%	
50) Toluene-d8	8.71	98	466094	50.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	175923	52.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.10%	

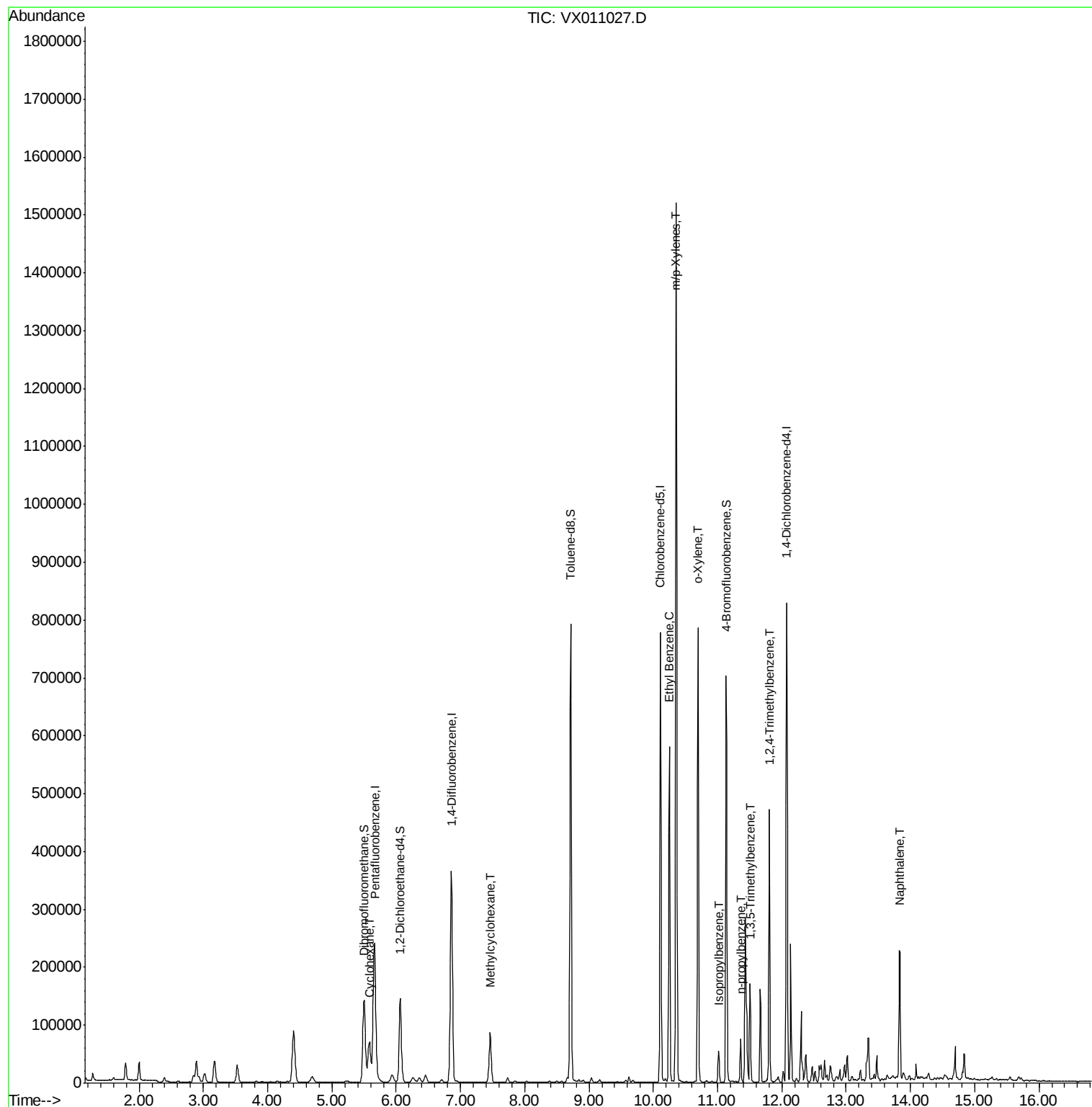
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	48290	13.509	ug/l	98
39) Methylcyclohexane	7.46	83	39399	9.576	ug/l	98
67) Ethyl Benzene	10.25	91	325357	25.770	ug/l	98
68) m/p-Xylenes	10.35	106	370167	76.433	ug/l	100
69) o-Xylene	10.69	106	171132	36.206	ug/l	99
73) Isopropylbenzene	11.02	105	28211	2.326	ug/l	100
78) n-propylbenzene	11.36	91	45202	3.374	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	73230	7.227	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	203212	19.898	ug/l	100
95) Naphthalene	13.83	128	143913	12.500	ug/l	99

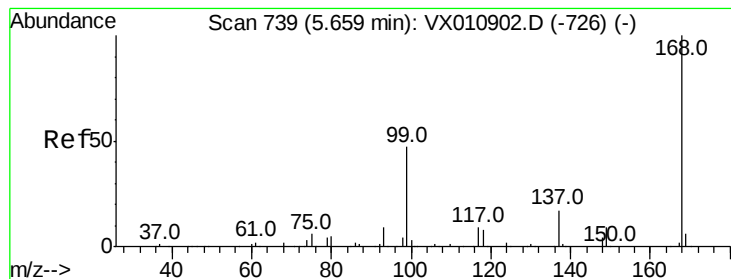
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

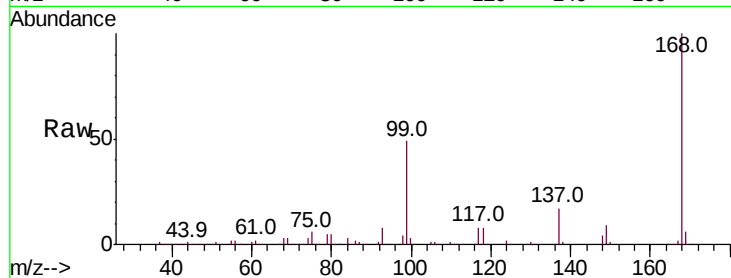
FL-0616DL

Tot Ion:168 Resp: 247470

Ion Ratio Lower Upper

168 100

99 49.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

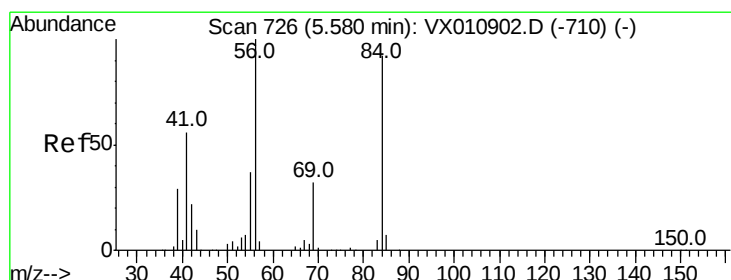
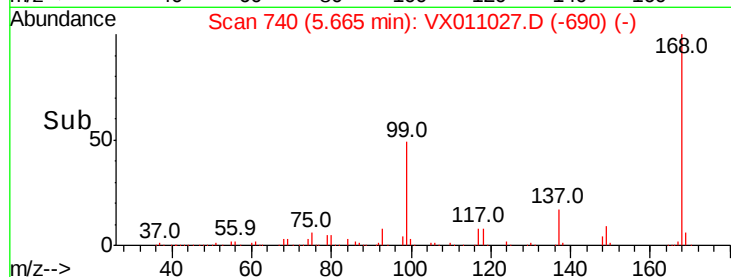
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#31

Cyclohexane

Concen: 13.509 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

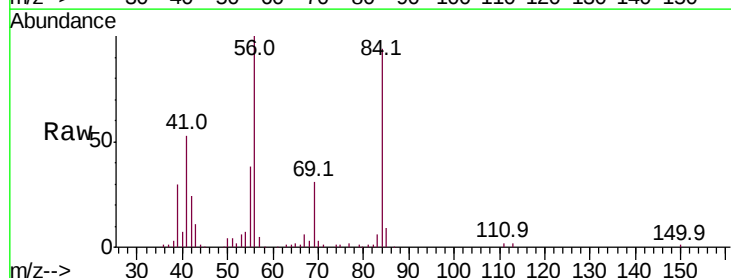
Tgt Ion: 56 Resp: 48290

Ion Ratio Lower Upper

56 100

69 30.6 25.8 38.8

84 94.4 73.8 110.6



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

20000

15000

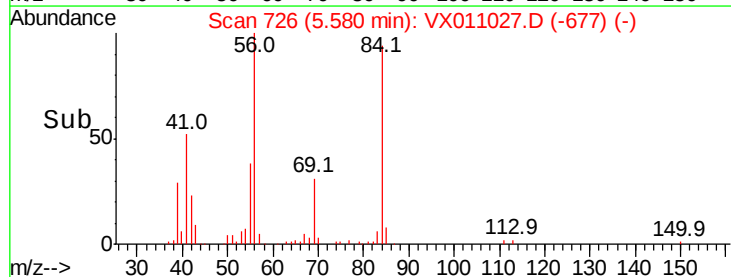
10000

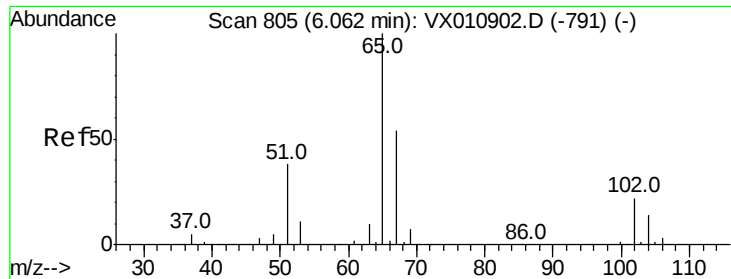
5000

0

Time-->

5.50 5.55 5.60 5.65 5.70

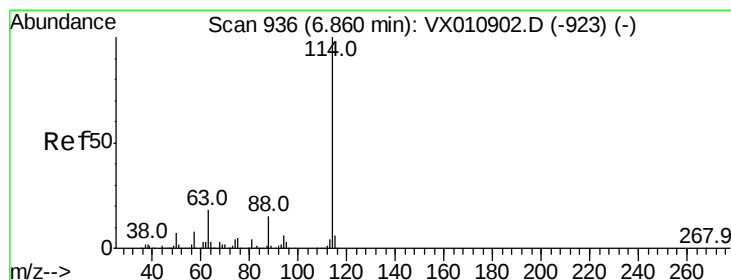
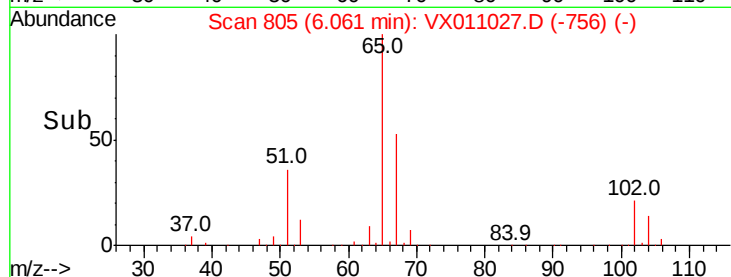
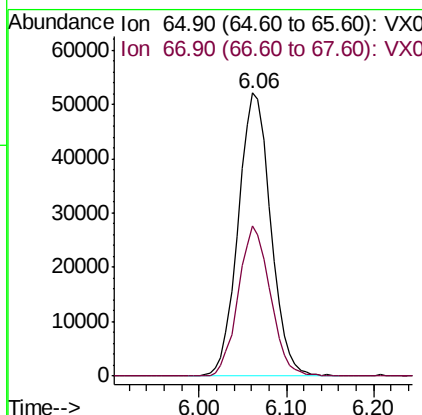
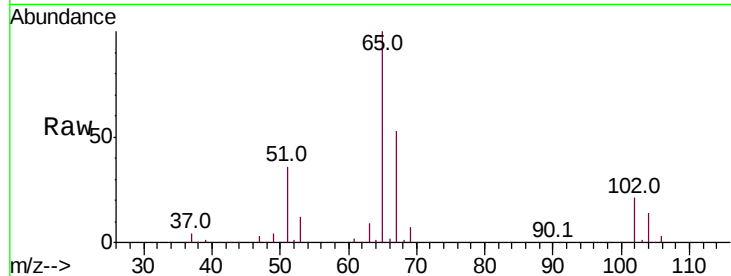




#33
 1,2-Dichloroethane-d4
 Concen: 51.269 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011027.D
 Acq: 22 Jul 2019 13:53

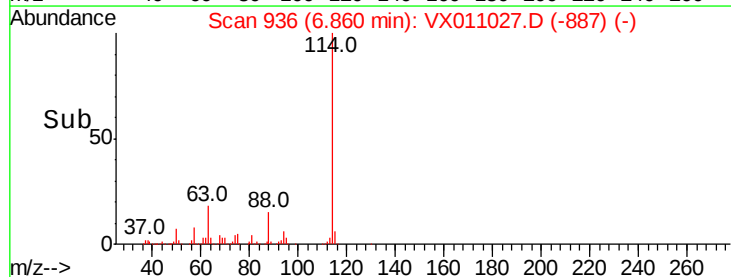
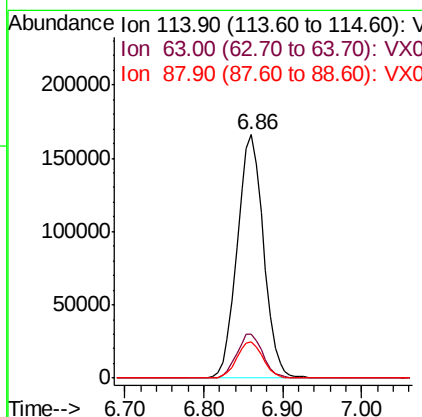
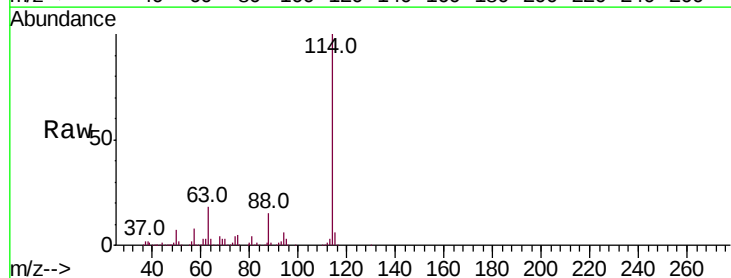
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0616DL

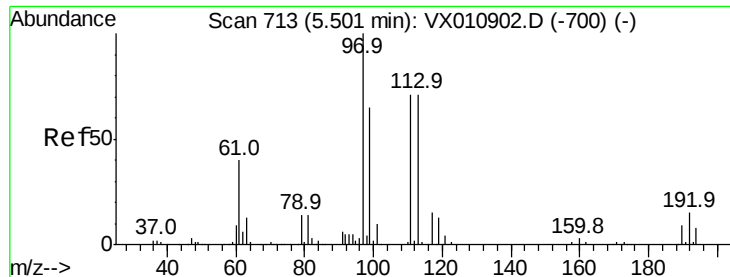
Tot Ion: 65 Resp: 134975
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011027.D
 Acq: 22 Jul 2019 13:53

Tgt Ion: 114 Resp: 386247
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.623 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0616DL

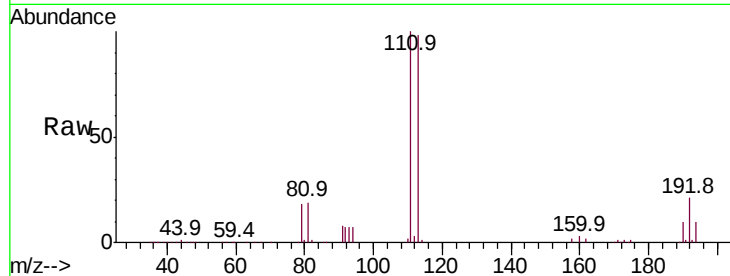
Tot Ion:113 Resp: 121655

Ion Ratio Lower Upper

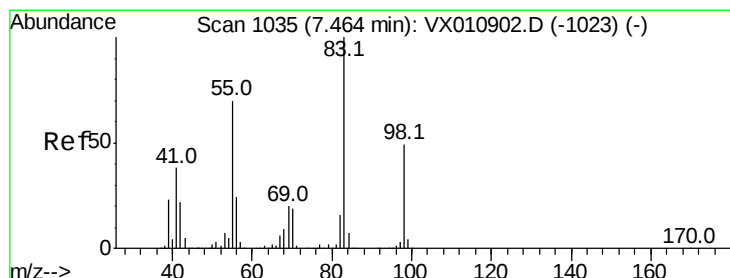
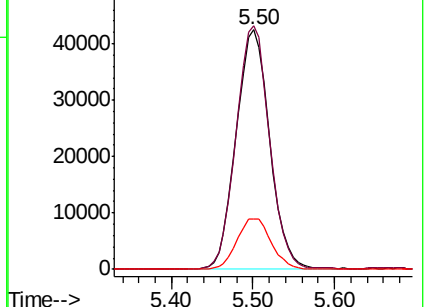
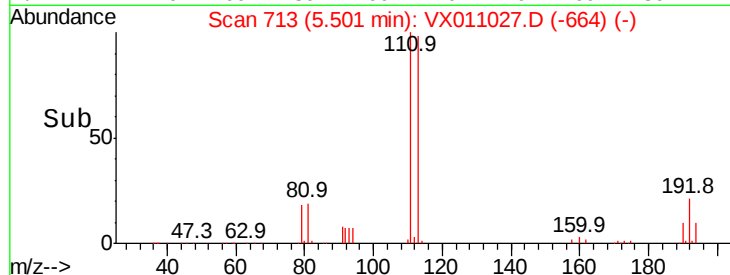
113 100

111 101.0 82.3 123.5

192 21.8 17.4 26.2



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: 9.576 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

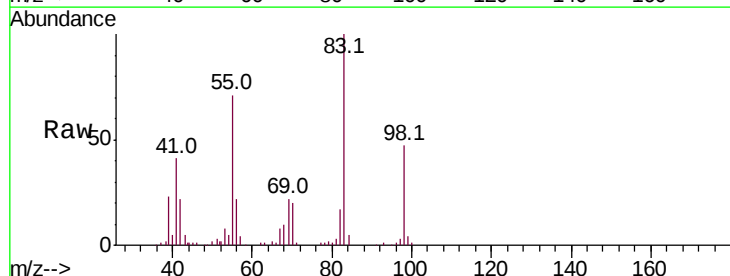
Tgt Ion: 83 Resp: 39399

Ion Ratio Lower Upper

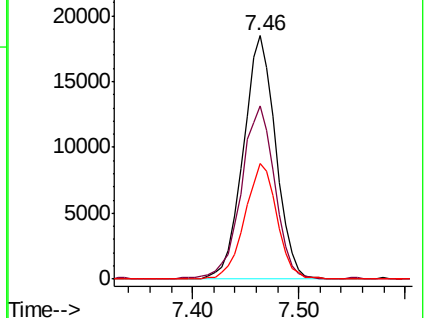
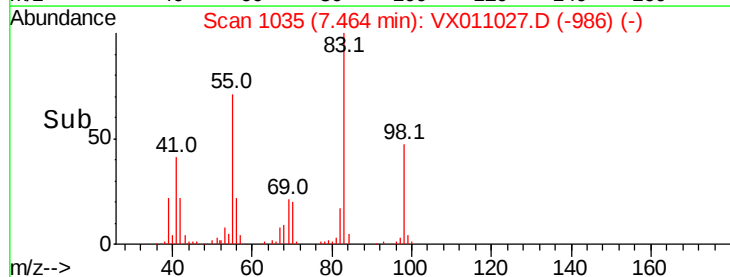
83 100

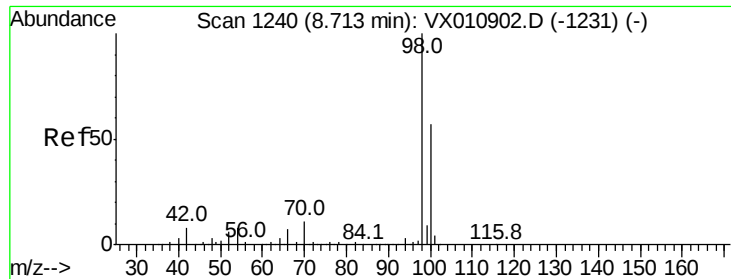
55 71.2 56.2 84.4

98 47.2 39.0 58.4



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





#50

Toluene-d8

Concen: 50.690 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

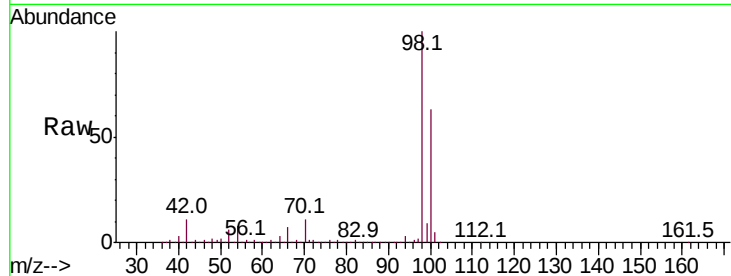
FL-0616DL

Tot Ion: 98 Resp: 466094

Ion Ratio Lower Upper

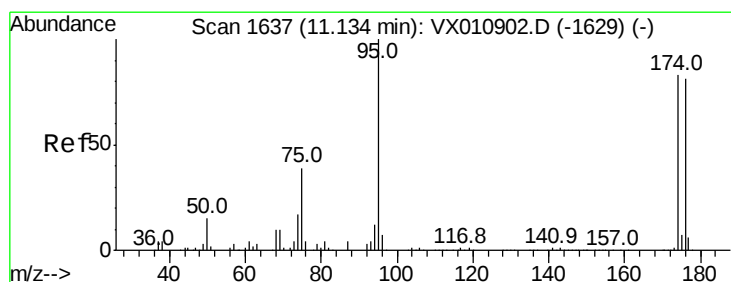
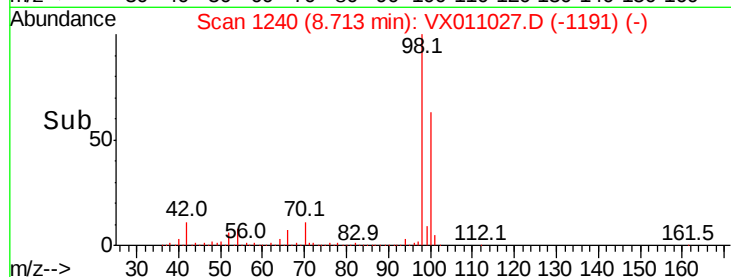
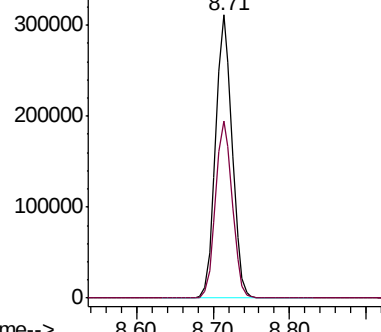
98 100

100 63.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 52.051 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

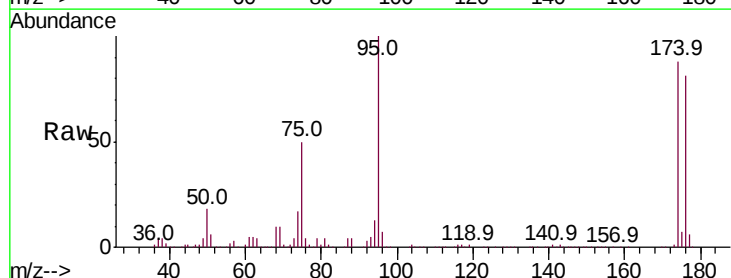
Tgt Ion: 95 Resp: 175923

Ion Ratio Lower Upper

95 100

174 89.0 0.0 180.6

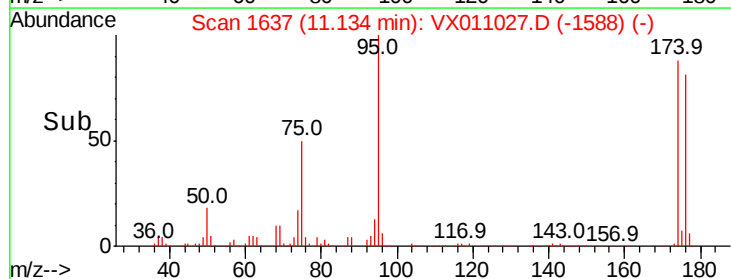
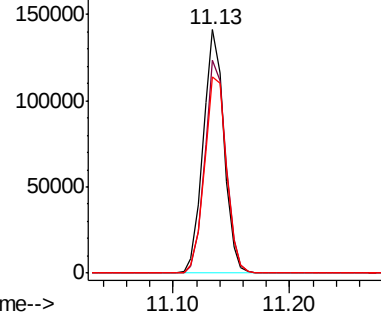
176 85.4 0.0 173.8

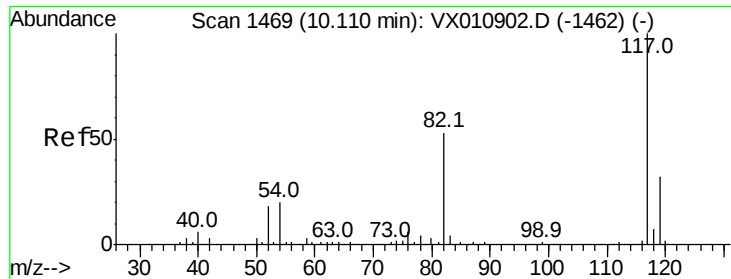


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

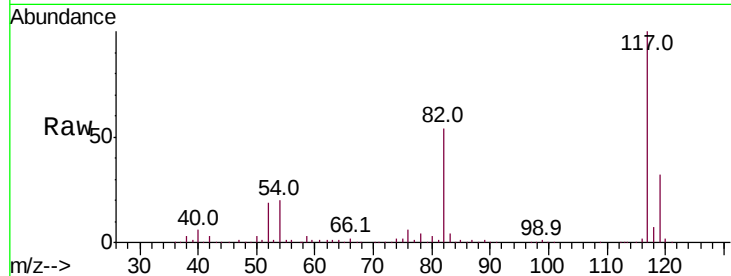




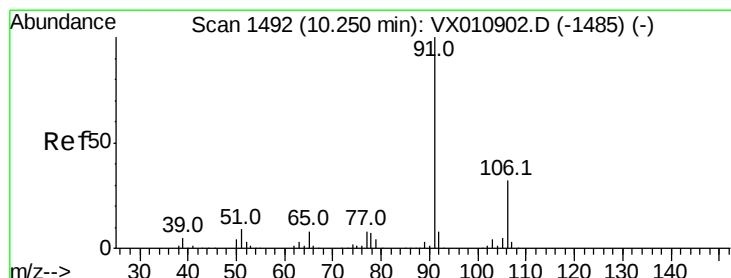
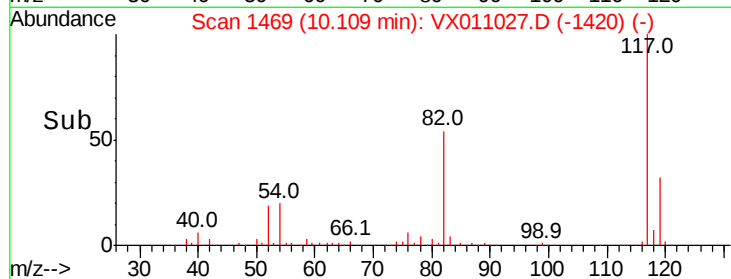
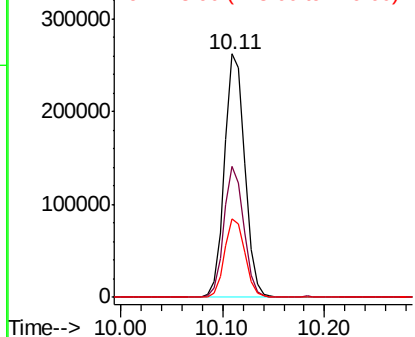
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011027.D
Acq: 22 Jul 2019 13:53

Instrument :
MSVOA_X
ClientSampleId :
FL-0616DL

Tot Ion:117 Resp: 361141
Ion Ratio Lower Upper
117 100
82 53.8 42.6 63.8
119 32.3 25.9 38.9

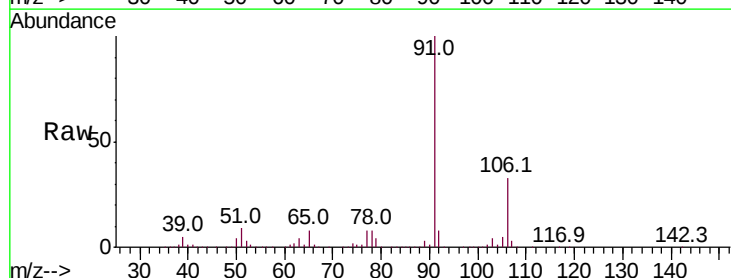


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

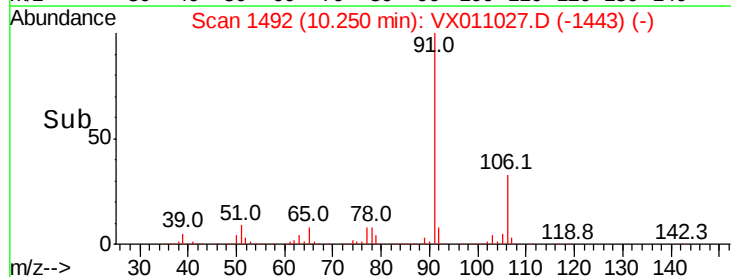
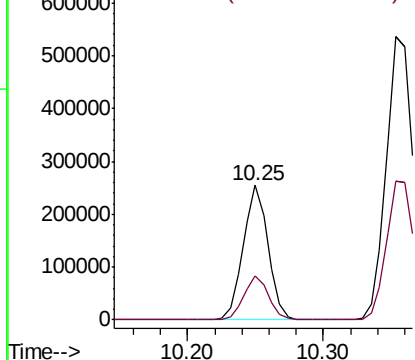


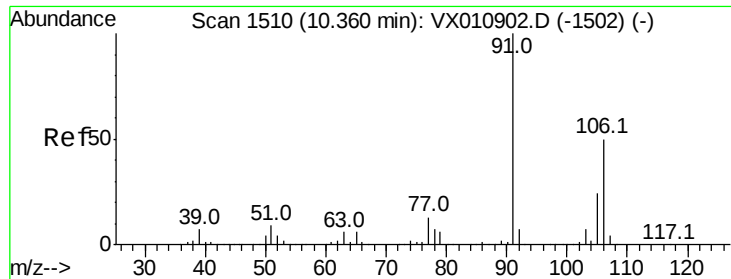
#67
Ethyl Benzene
Concen: 25.770 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011027.D
Acq: 22 Jul 2019 13:53

Tgt Ion: 91 Resp: 325357
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.2



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

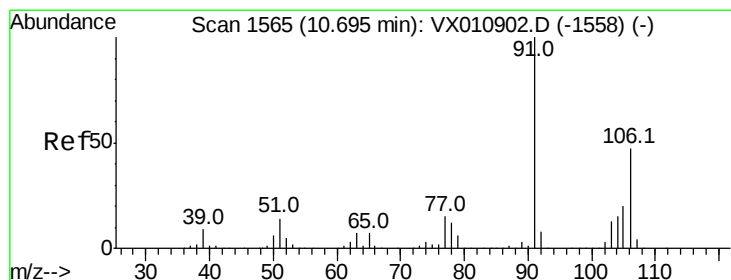
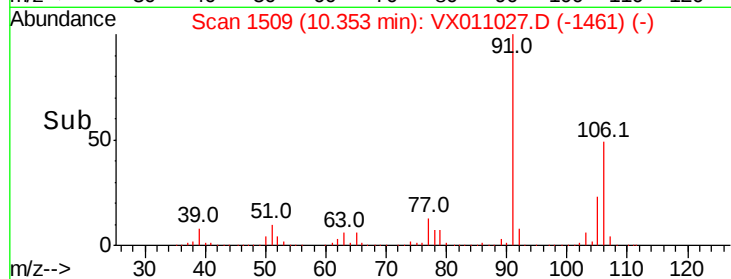
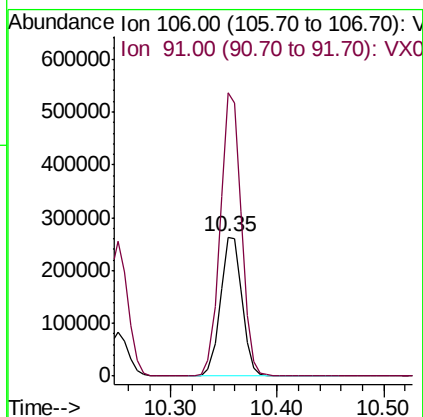
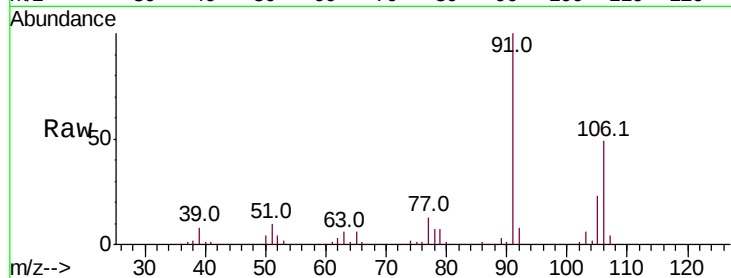




#68
m/p-Xylenes
Concen: 76.433 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011027.D
Acq: 22 Jul 2019 13:53

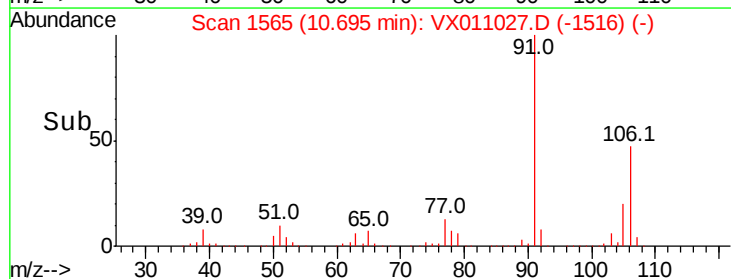
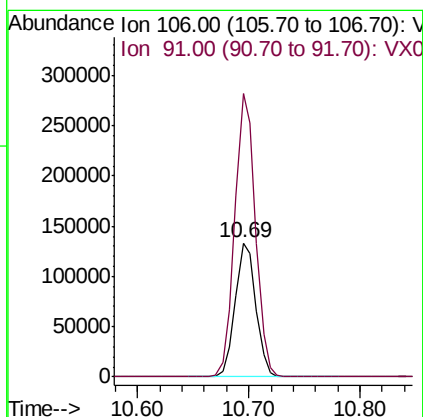
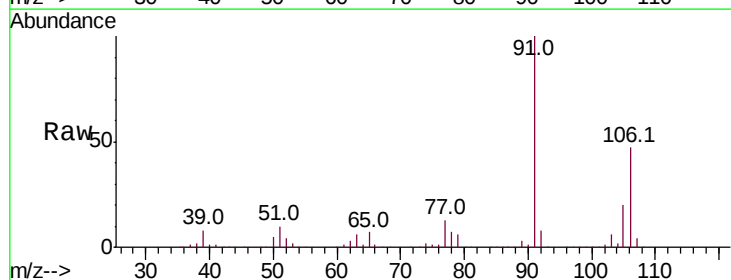
Instrument :
MSVOA_X
ClientSampled :
FL-0616DL

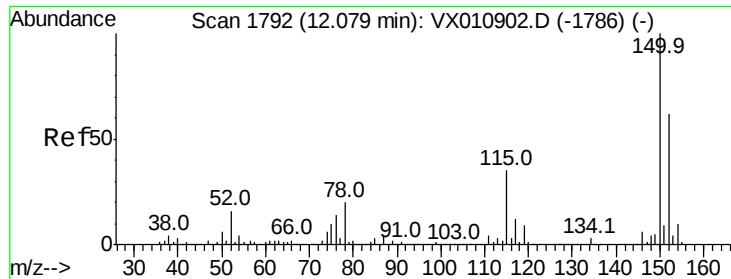
Tot Ion:106 Resp: 370167
Ion Ratio Lower Upper
106 100
91 199.7 160.1 240.1



#69
o-Xylene
Concen: 36.206 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011027.D
Acq: 22 Jul 2019 13:53

Tgt Ion:106 Resp: 171132
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

FL-0616DL

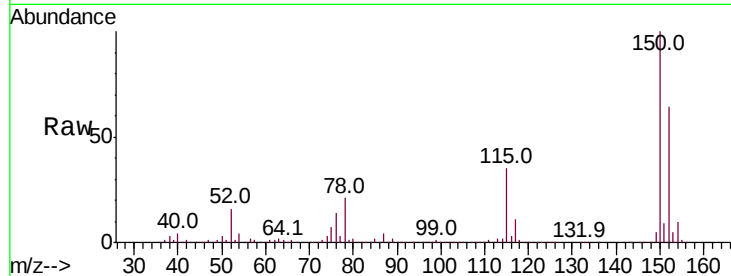
Tot Ion:152 Resp: 179463

Ion Ratio Lower Upper

152 100

115 56.7 39.7 119.1

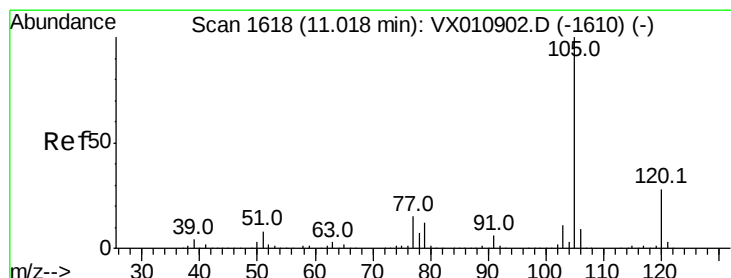
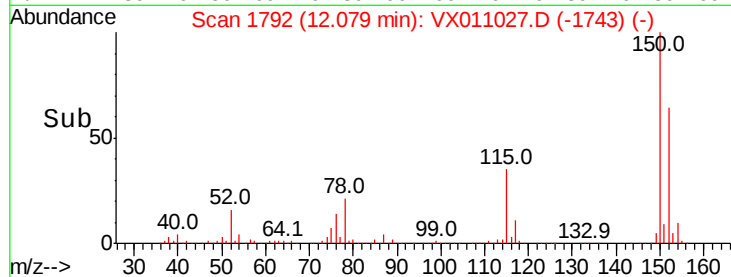
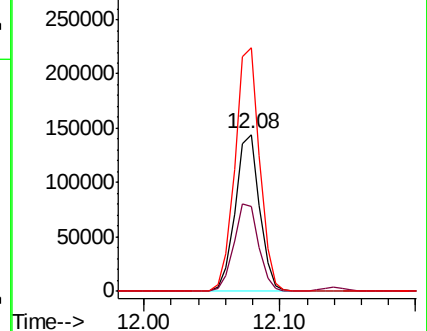
150 156.7 0.0 345.6



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: 2.326 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011027.D

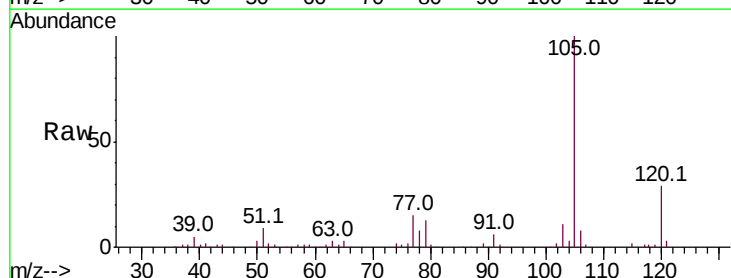
Acq: 22 Jul 2019 13:53

Tgt Ion:105 Resp: 28211

Ion Ratio Lower Upper

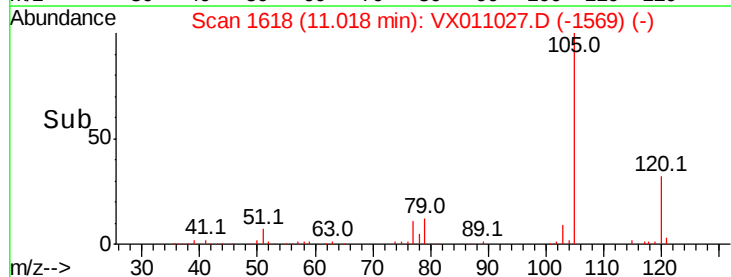
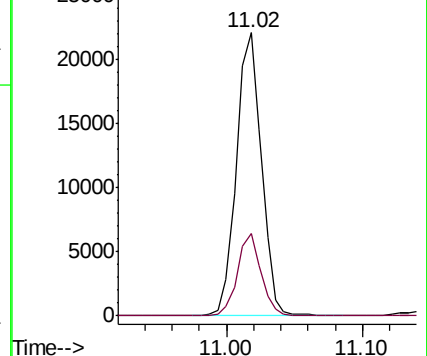
105 100

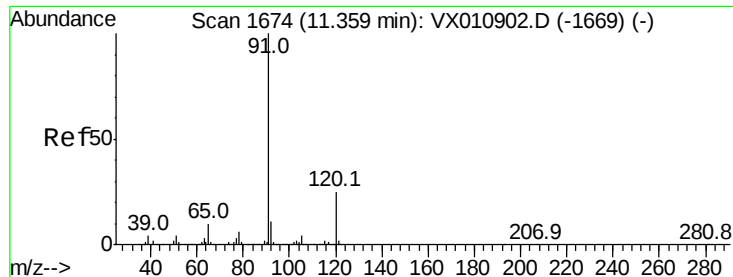
120 27.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.374 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Instrument :

MSVOA_X

ClientSampled :

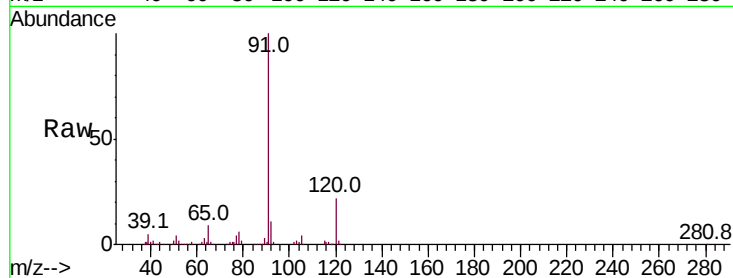
FL-0616DL

Tot Ion: 91 Resp: 45202

Ion Ratio Lower Upper

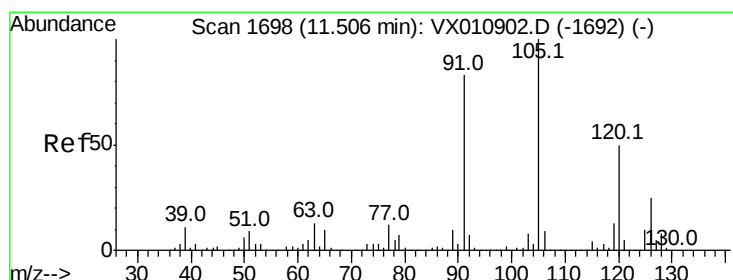
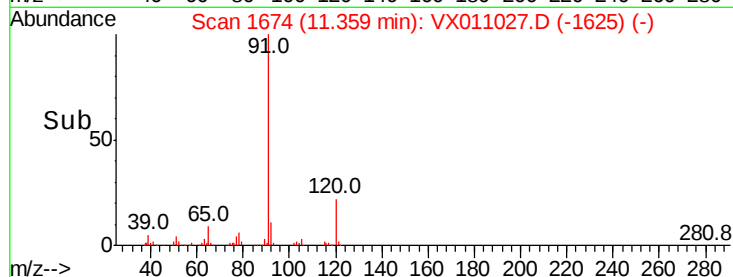
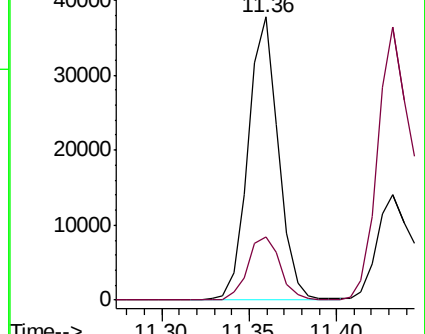
91 100

120 24.1 12.3 36.8



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: 7.227 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011027.D

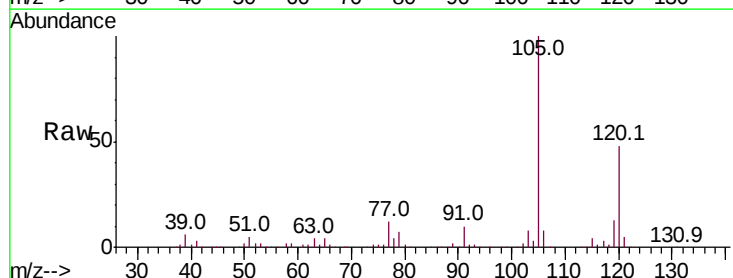
Acq: 22 Jul 2019 13:53

Tgt Ion:105 Resp: 73230

Ion Ratio Lower Upper

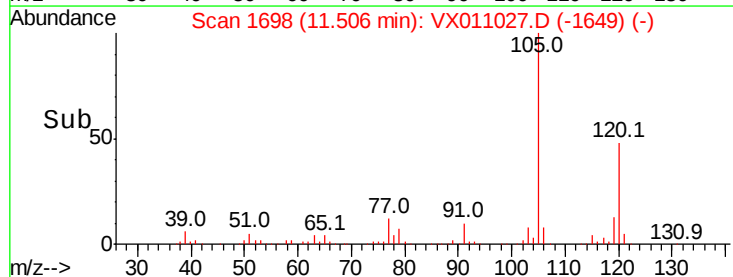
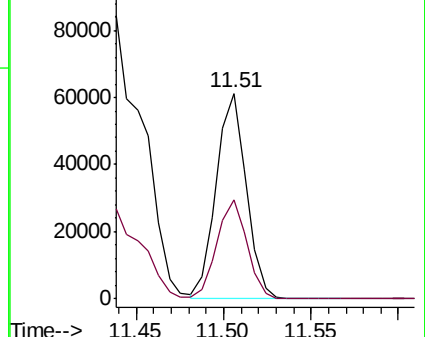
105 100

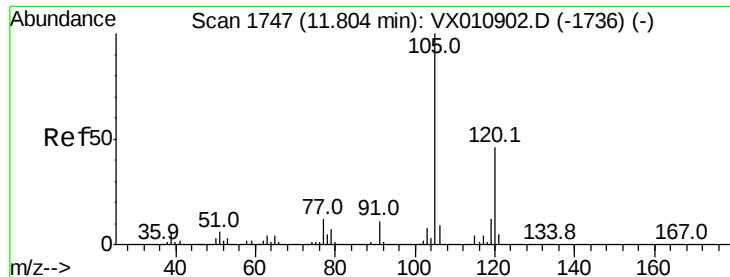
120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 19.898 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Instrument :

MSVOA_X

ClientSampleId :

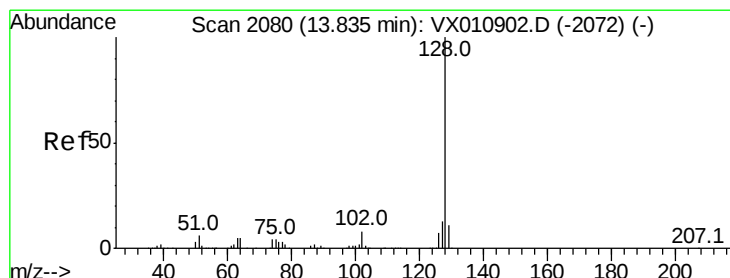
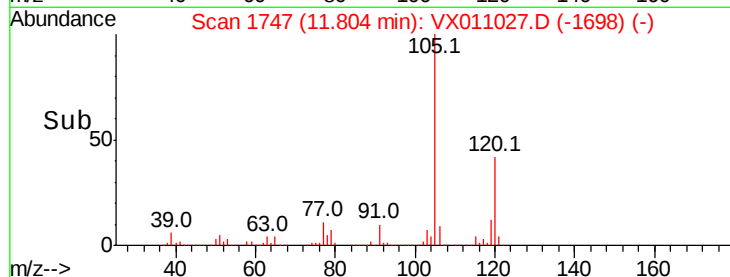
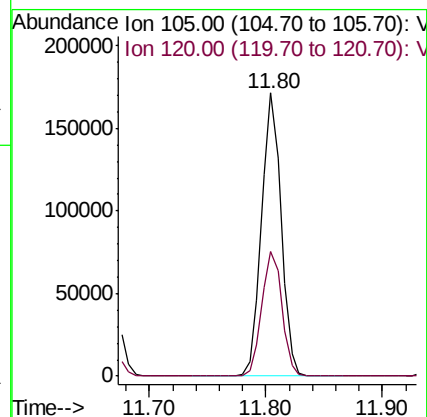
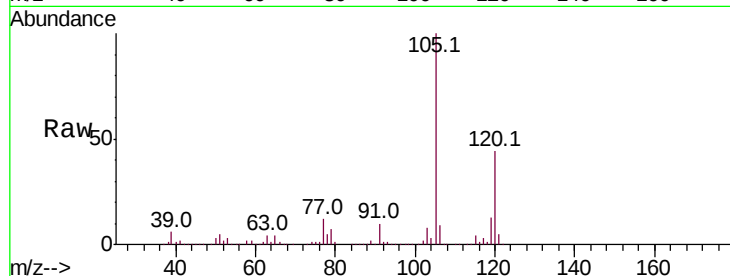
FL-0616DL

Tot Ion:105 Resp: 203212

Ion Ratio Lower Upper

105 100

120 45.4 22.9 68.5



#95

Naphthalene

Concen: 12.500 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011027.D

Acq: 22 Jul 2019 13:53

Tgt Ion:128 Resp: 143913

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.0 8.9 13.3

