

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071719\
 Data File : VX010930.D
 Acq On : 17 Jul 2019 12:59
 Operator : JC/SP
 Sample : K3791-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0626

Quant Time: Jul 18 03:31:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	323796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	115912	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.50	113	108374	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	420644	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	150140	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

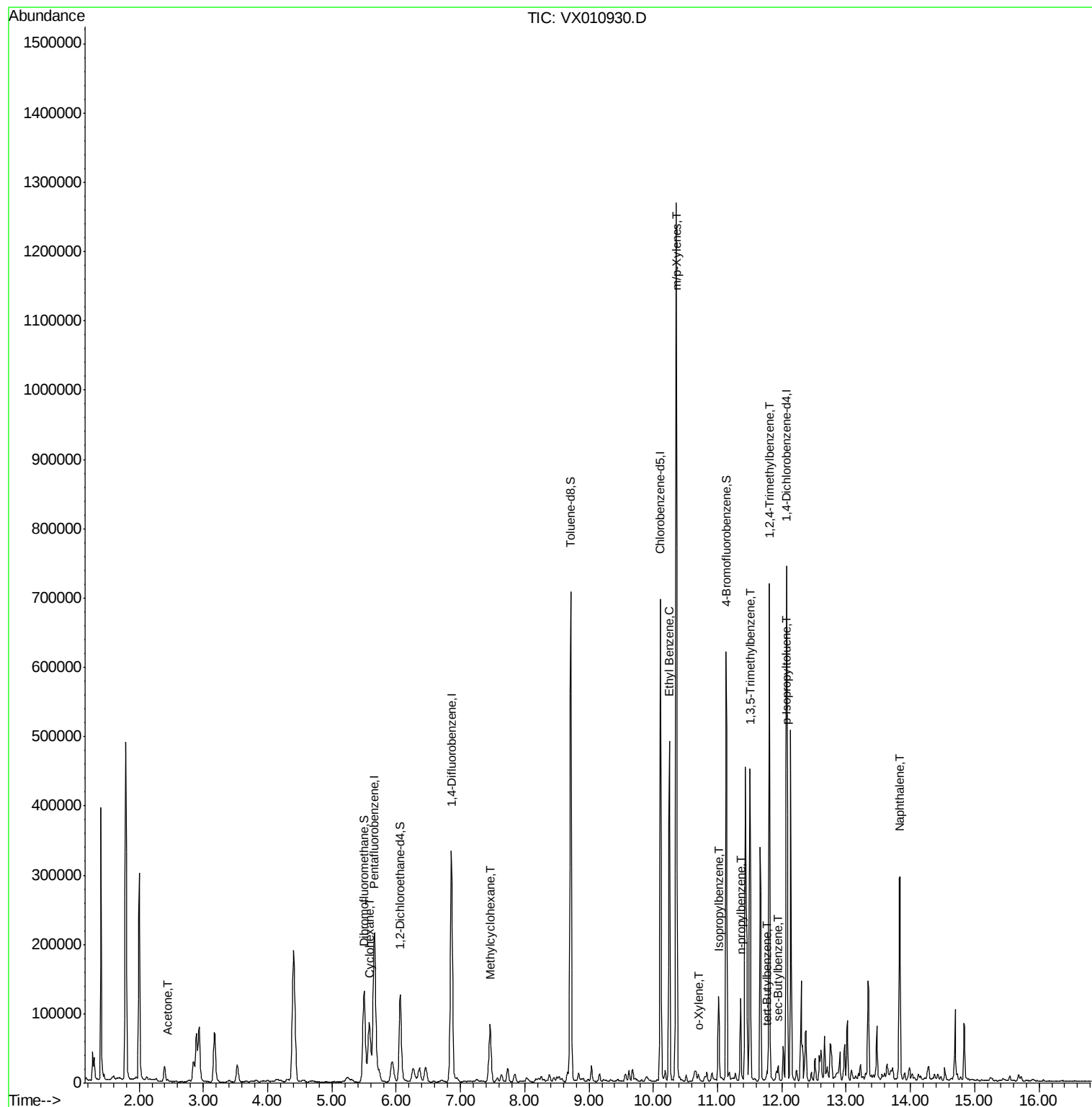
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	2466	2.307	ug/l #	87
31) Cyclohexane	5.58	56	58220	18.120	ug/l	99
39) Methylcyclohexane	7.46	83	37699	10.135	ug/l	98
67) Ethyl Benzene	10.25	91	277429	24.508	ug/l	98
68) m/p-Xylenes	10.36	106	311519	71.742	ug/l	98
69) o-Xylene	10.69	106	1568	0.370	ug/l	98
73) Isopropylbenzene	11.02	105	64067	6.043	ug/l	99
78) n-propylbenzene	11.36	91	72303	6.172	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	197301	22.271	ug/l	99
83) tert-Butylbenzene	11.77	119	4869	0.560	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	304601	34.113	ug/l	99
85) sec-Butylbenzene	11.94	105	10236	1.004	ug/l	99
86) p-Isopropyltoluene	12.06	119	10937	1.160	ug/l	93
95) Naphthalene	13.83	128	191315	19.006	ug/l	99

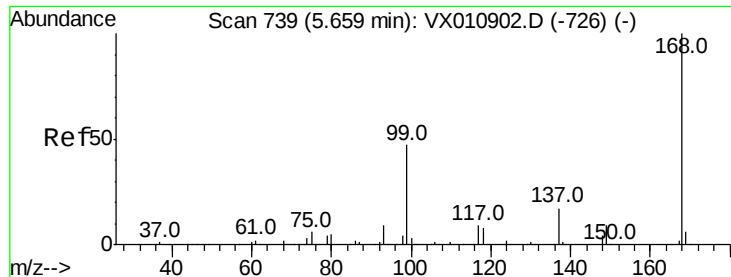
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.01 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

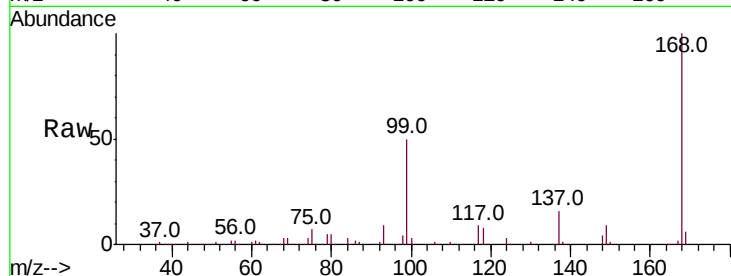
FL-0626

Tot Ion:168 Resp: 222432

Ion Ratio Lower Upper

168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

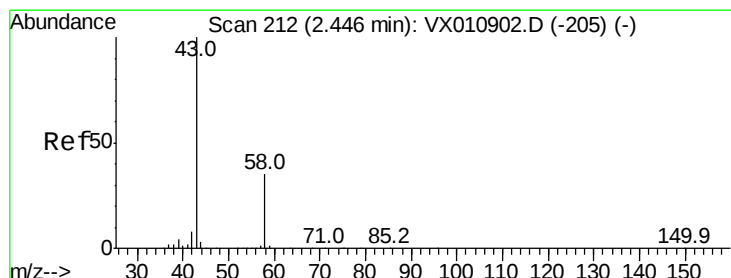
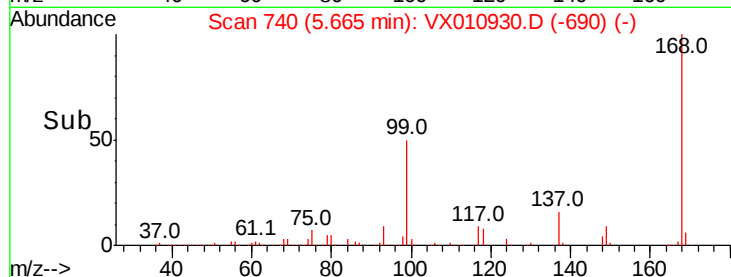
5.50

5.60

5.70

5.80

Time-->



#16

Acetone

Concen: 2.307 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010930.D

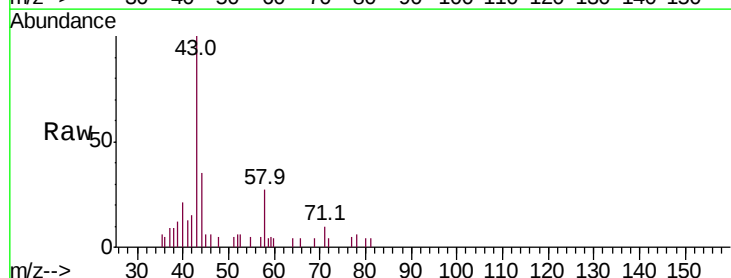
Acq: 17 Jul 2019 12:59

Tgt Ion: 43 Resp: 2466

Ion Ratio Lower Upper

43 100

58 27.3 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

4000

3000

2000

1000

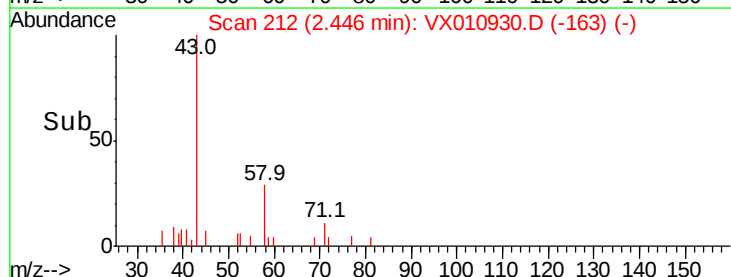
0

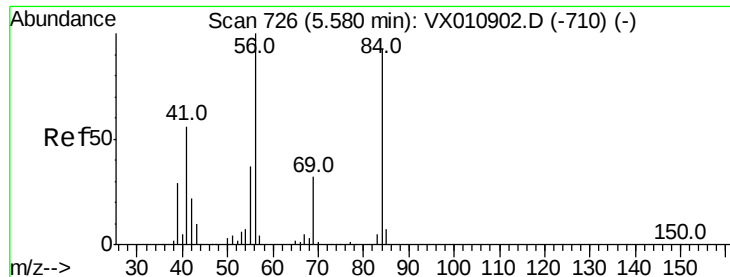
2.40

2.45

2.50

Time-->





#31

Cyclohexane

Concen: 18.120 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

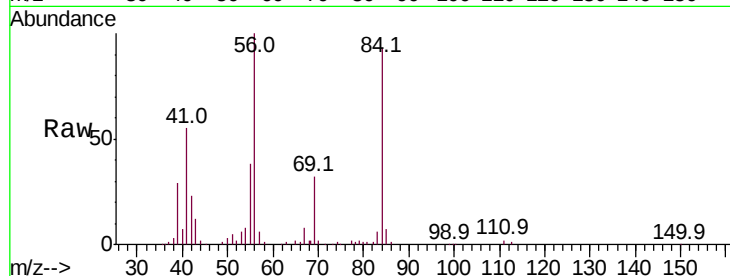
Tot Ion: 56 Resp: 58220

Ion Ratio Lower Upper

56 100

69 31.3 25.8 38.8

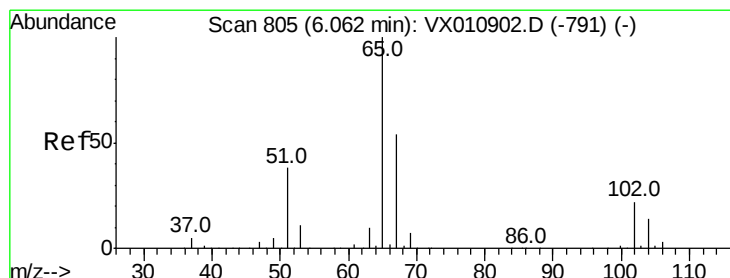
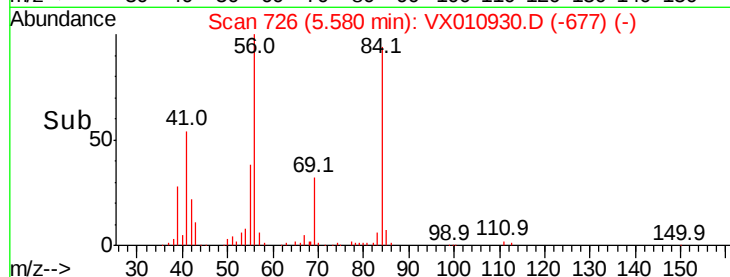
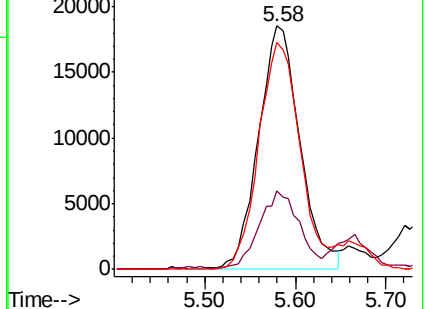
84 92.9 73.8 110.6



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



#33

1,2-Dichloroethane-d4

Concen: 48.984 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010930.D

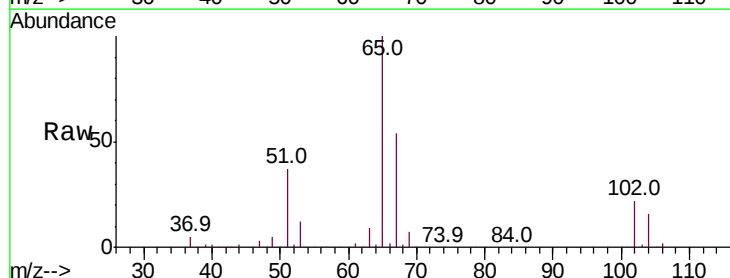
Acq: 17 Jul 2019 12:59

Tgt Ion: 65 Resp: 115912

Ion Ratio Lower Upper

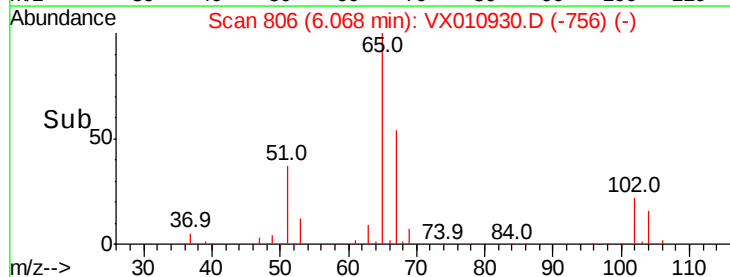
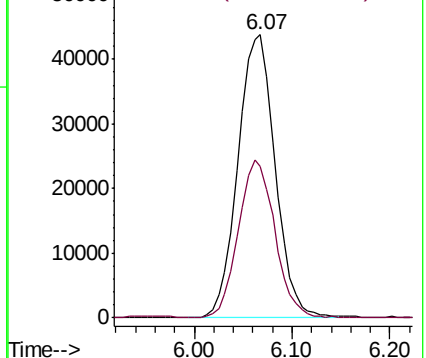
65 100

67 55.1 0.0 107.8



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: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

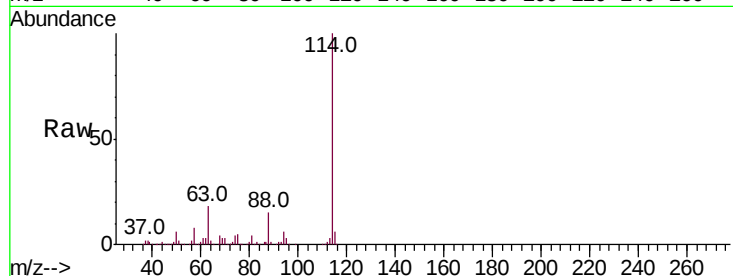
Tot Ion:114 Resp: 349209

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

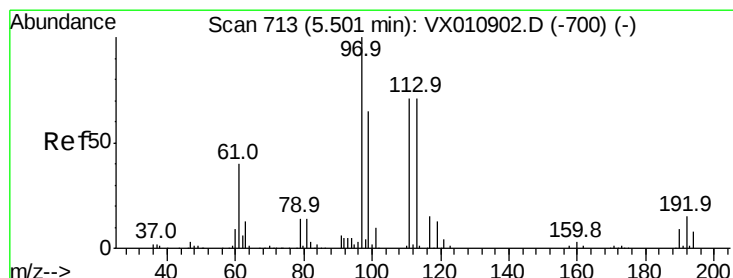
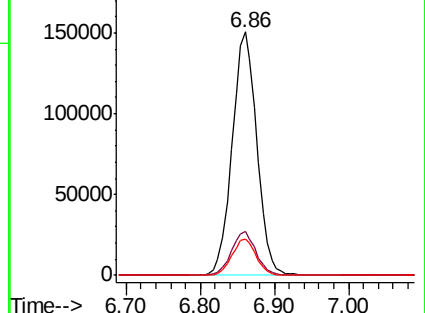
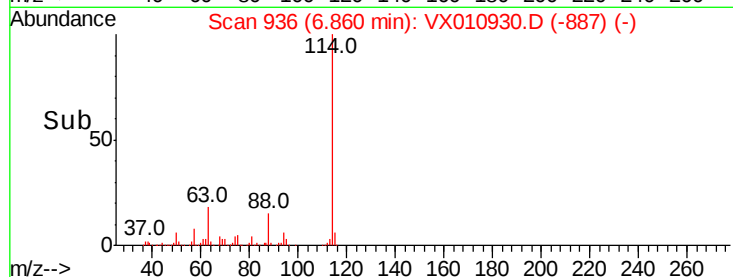
88 14.8 0.0 29.8



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: 48.894 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

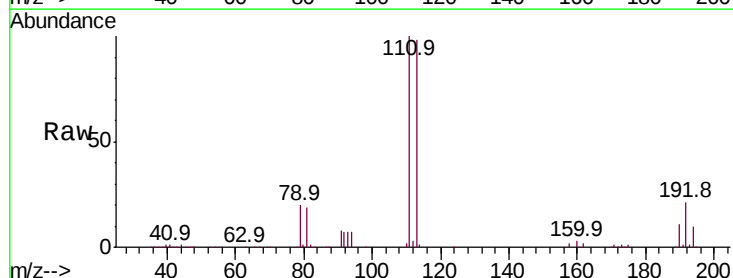
Tgt Ion:113 Resp: 108374

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

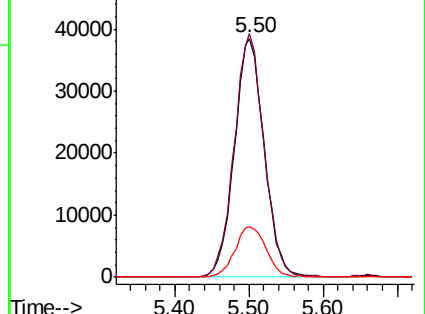
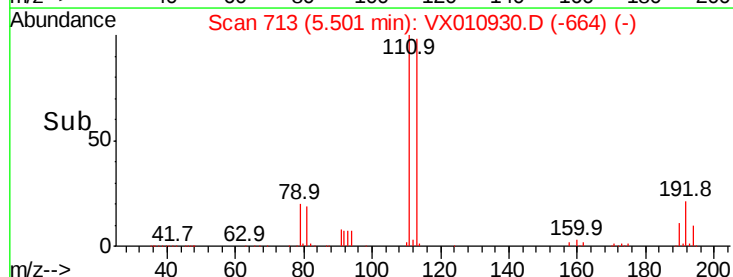
192 21.9 17.4 26.2

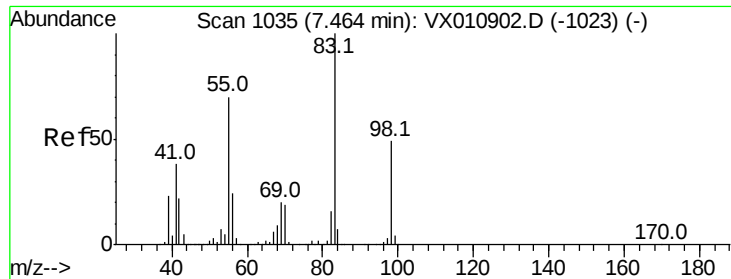


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

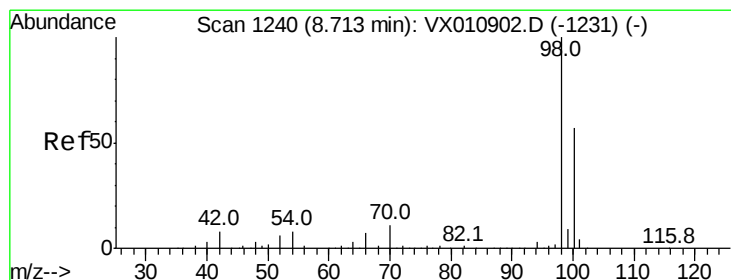
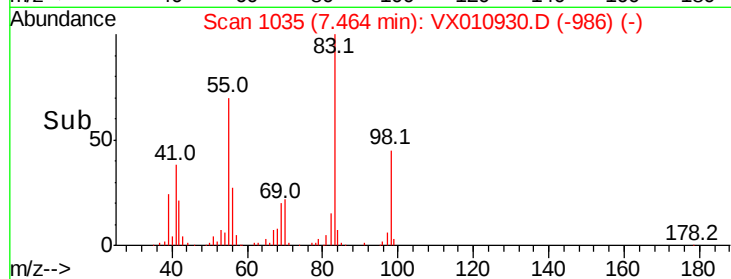
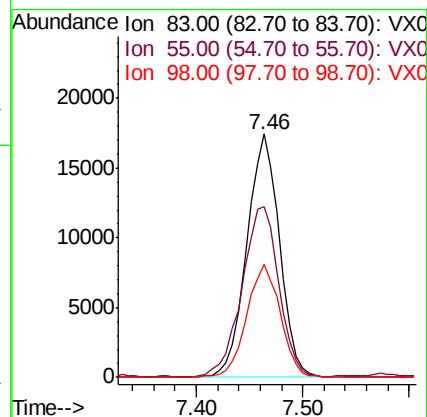
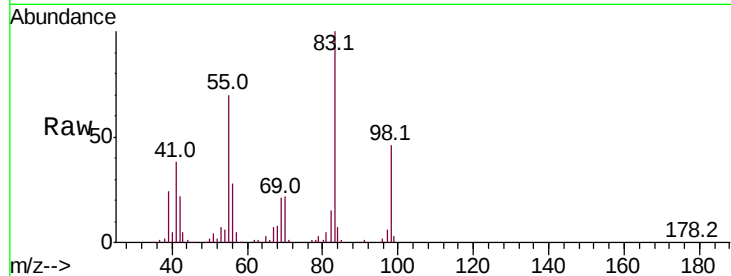




#39
Methvlcvclohexane
Concen: 10.135 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

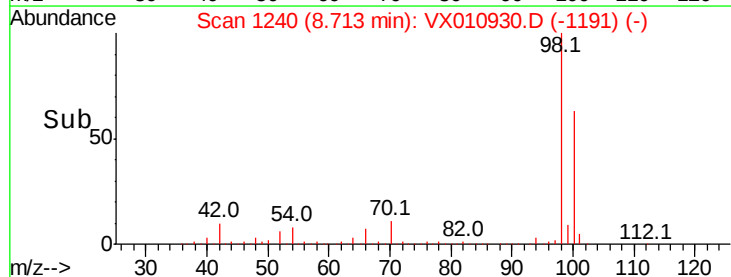
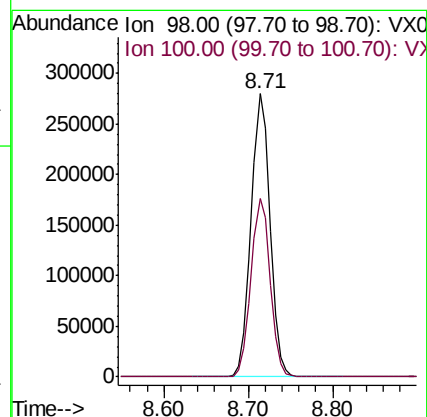
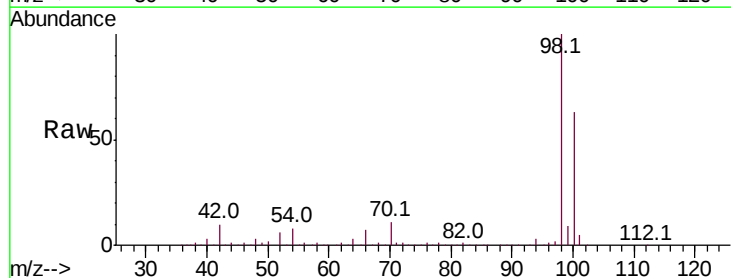
Instrument :
MSVOA_X
ClientSampled :
FL-0626

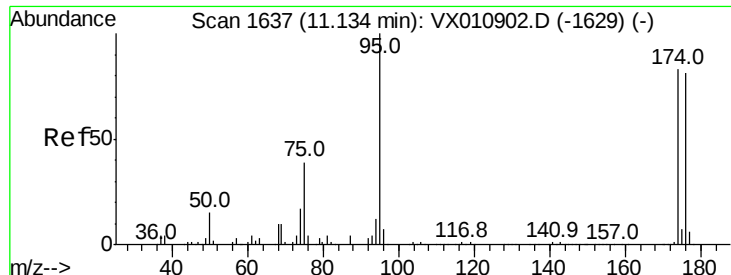
Tot Ion: 83 Resp: 37699
Ion Ratio Lower Upper
83 100
55 69.9 56.2 84.4
98 46.2 39.0 58.4



#50
Toluene-d8
Concen: 50.599 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion: 98 Resp: 420644
Ion Ratio Lower Upper
98 100
100 63.5 50.6 75.8





#62

4-Bromofluorobenzene

Concen: 49.134 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

FL-0626

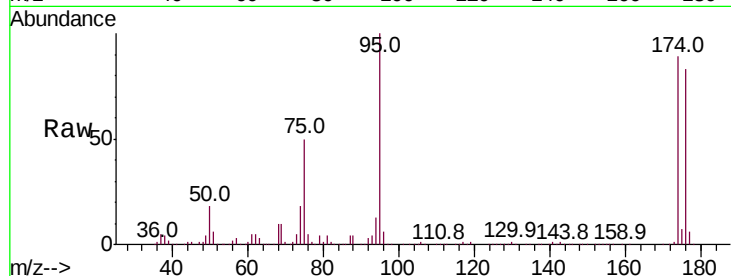
Tot Ion: 95 Resp: 150140

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

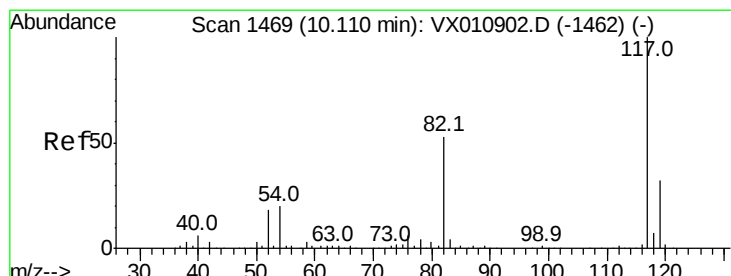
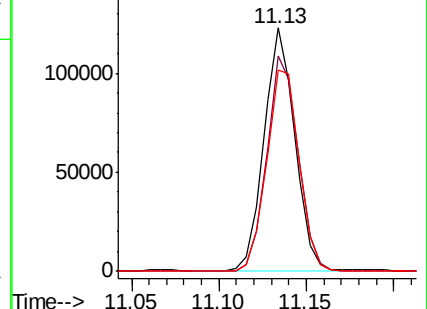
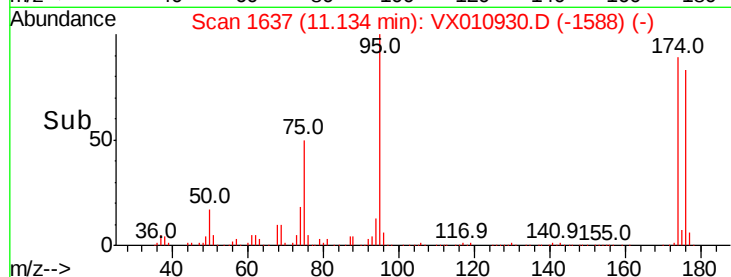
176 88.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010930.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010930.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010930.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

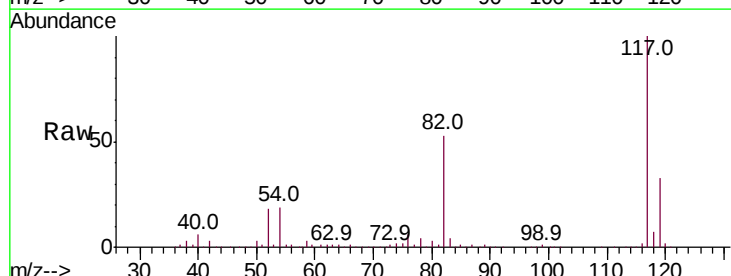
Tgt Ion: 117 Resp: 323796

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

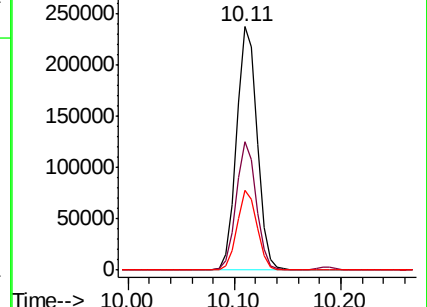
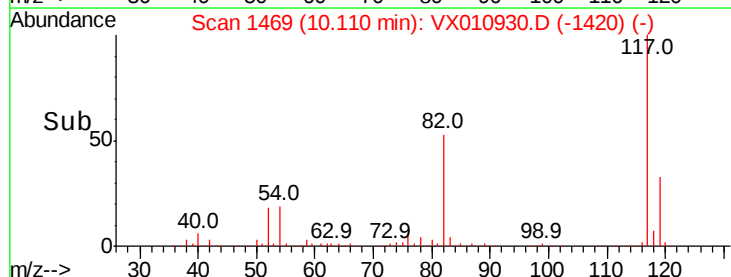
119 32.6 25.9 38.9

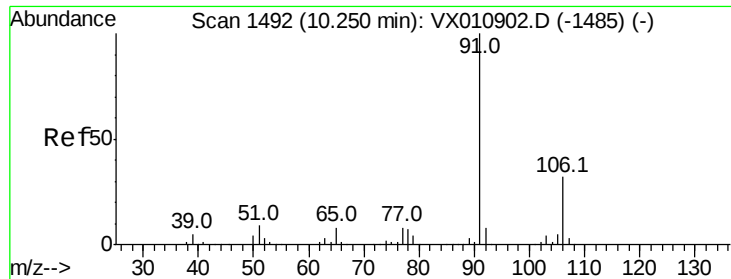


Abundance Ion 116.90 (116.60 to 117.60): VX010930.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010930.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010930.D (-1420) (-)





#67

Ethyl Benzene

Concen: 24.508 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

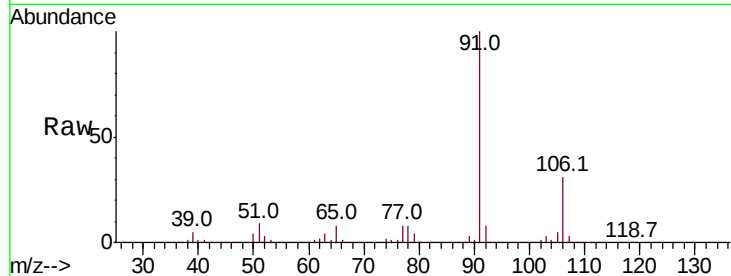
FL-0626

Tot Ion: 91 Resp: 277429

Ion Ratio Lower Upper

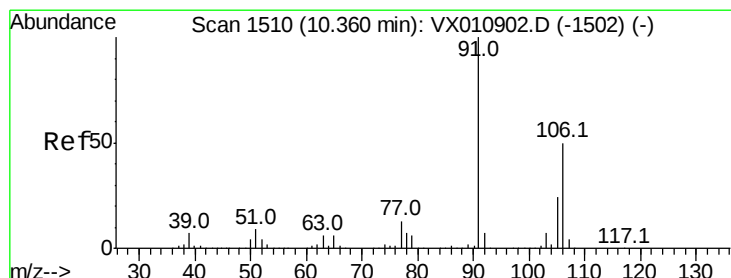
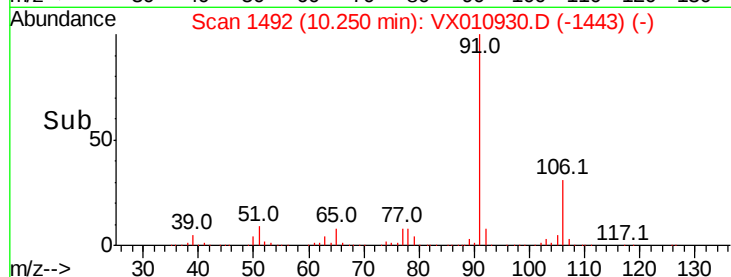
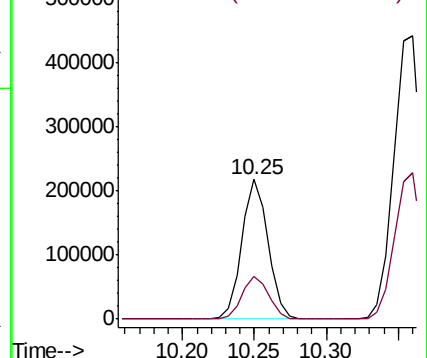
91 100

106 30.8 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: 71.742 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010930.D

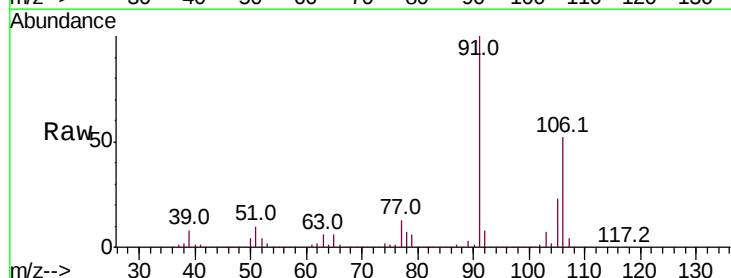
Acq: 17 Jul 2019 12:59

Tgt Ion: 106 Resp: 311519

Ion Ratio Lower Upper

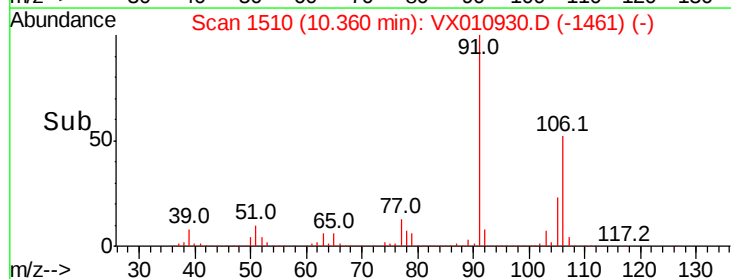
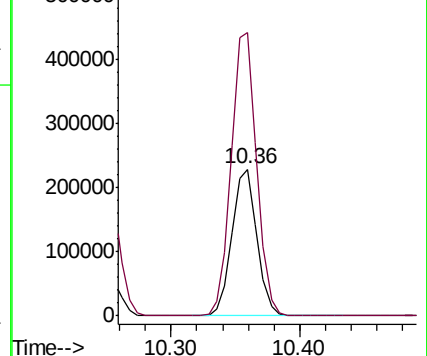
106 100

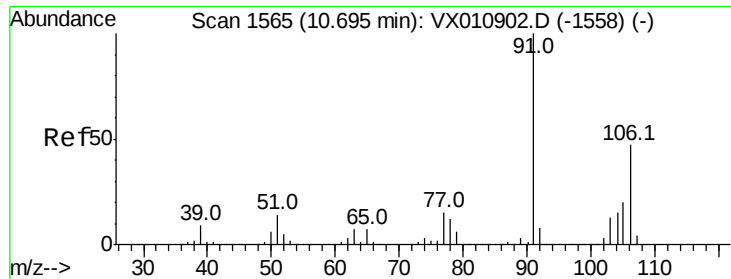
91 197.5 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

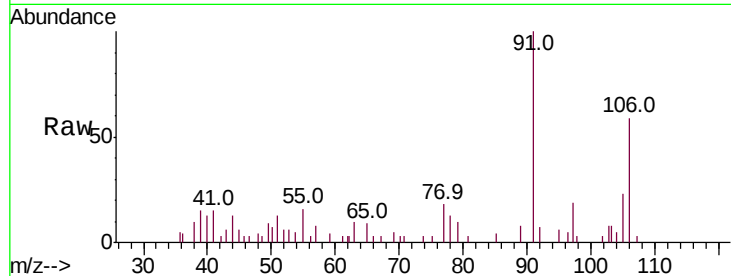




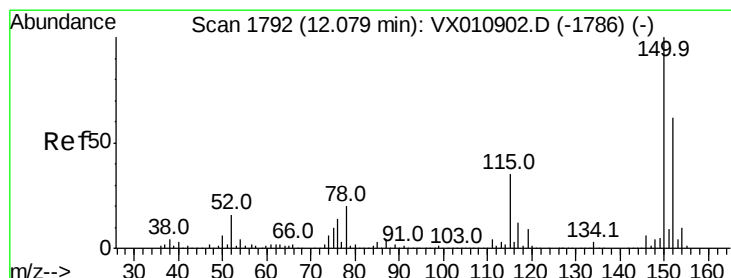
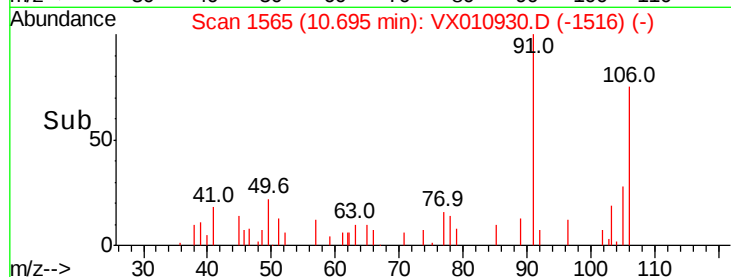
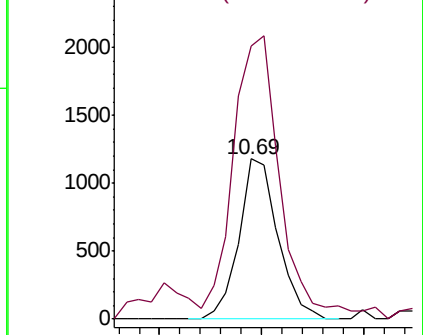
#69
o-Xylene
Concen: 0.370 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
FL-0626

Tot Ion:106 Resp: 1568
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.3

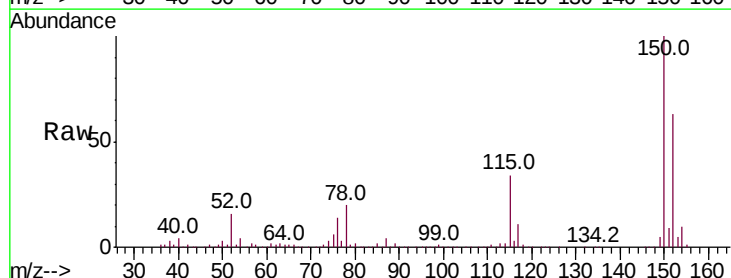


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

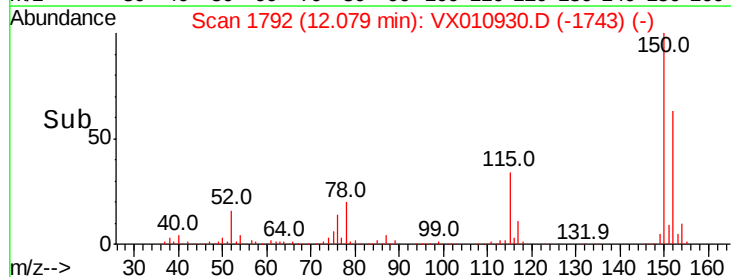
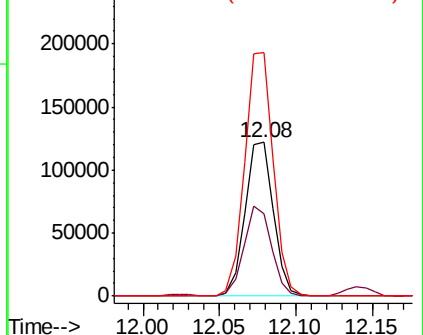


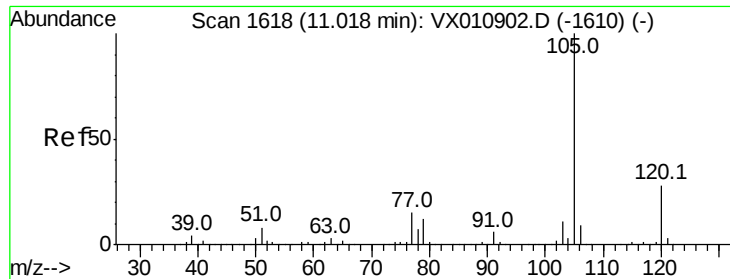
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion:152 Resp: 156906
Ion Ratio Lower Upper
152 100
115 56.5 39.7 119.1
150 159.1 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: 6.043 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

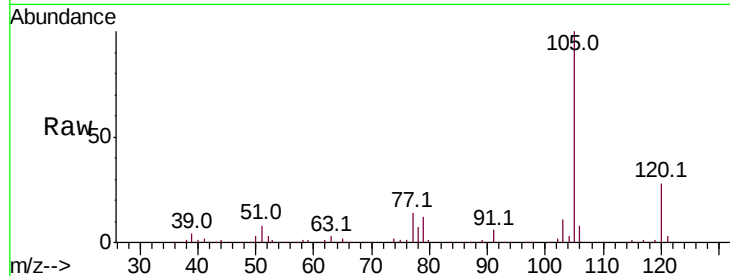
FL-0626

Tot Ion:105 Resp: 64067

Ion Ratio Lower Upper

105 100

120 27.9 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

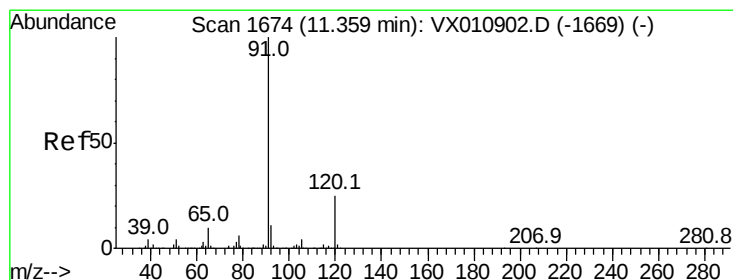
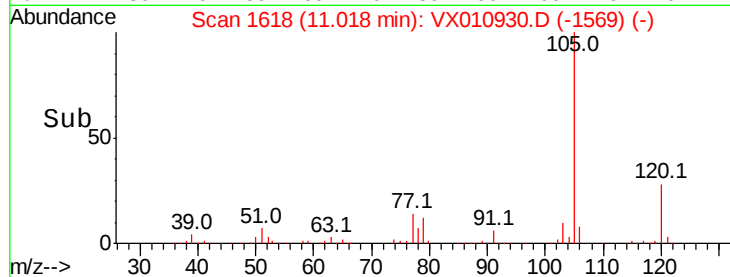
10000

0

11.02

10.95 11.00 11.05

Time-->



#78

n-propylbenzene

Concen: 6.172 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010930.D

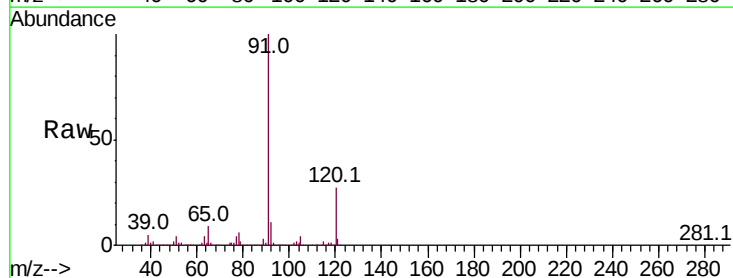
Acq: 17 Jul 2019 12:59

Tgt Ion: 91 Resp: 72303

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

60000

40000

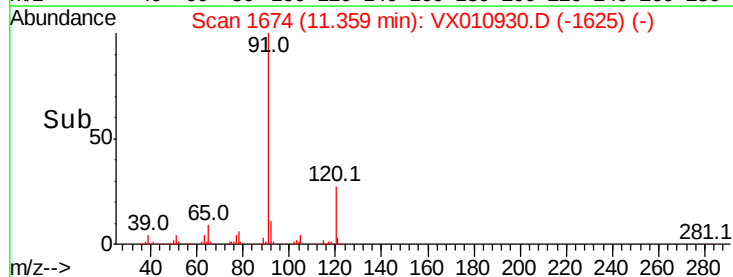
20000

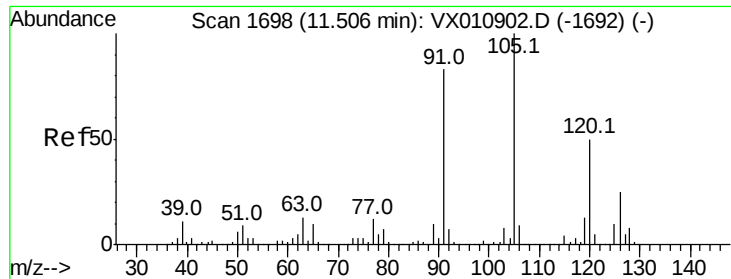
0

11.36

11.30 11.35 11.40

Time-->

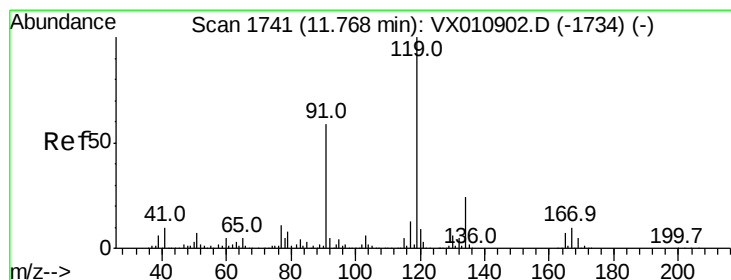
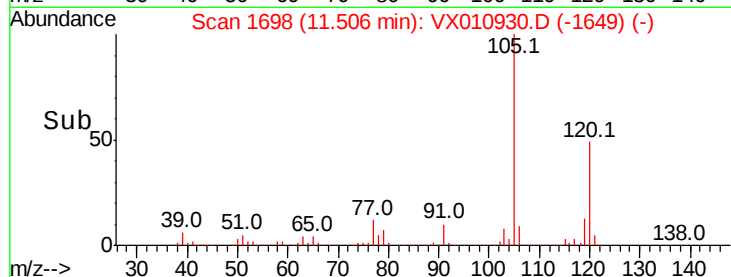
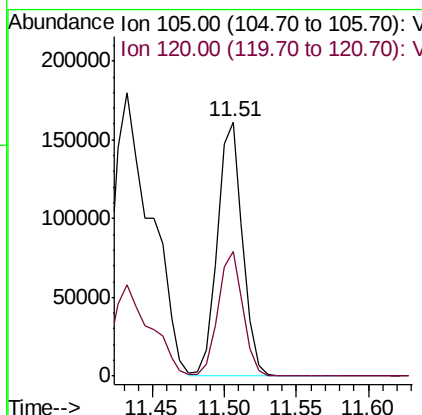
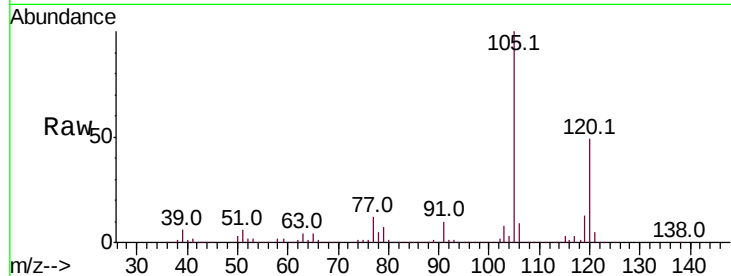




#80
1,3,5-Trimethylbenzene
Concen: 22.271 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

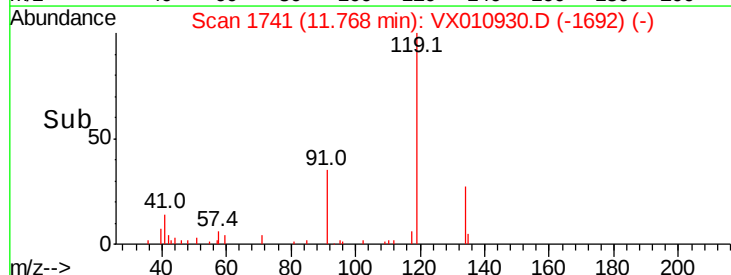
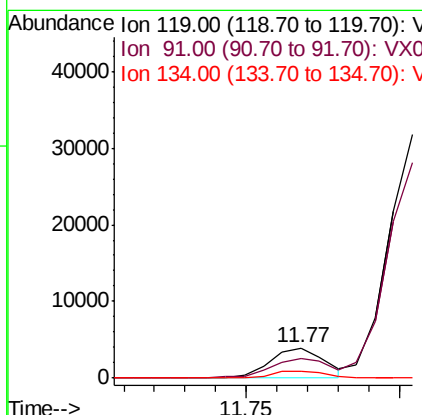
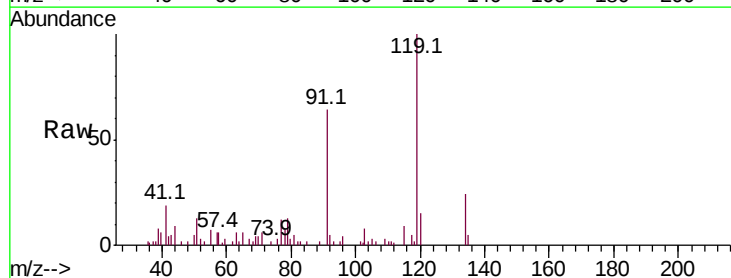
Instrument :
MSVOA_X
ClientSampled :
FL-0626

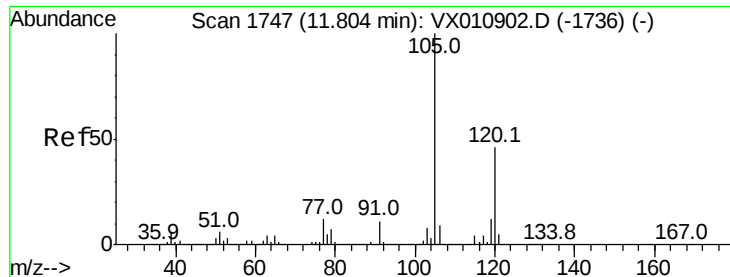
Tot Ion:105 Resp: 197301
Ion Ratio Lower Upper
105 100
120 48.3 24.6 73.8



#83
tert-Butylbenzene
Concen: 0.560 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion:119 Resp: 4869
Ion Ratio Lower Upper
119 100
91 66.5 28.6 85.8
134 24.2 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 34.113 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010930.D

Acq: 17 Jul 2019 12:59

Instrument :

MSVOA_X

ClientSampled :

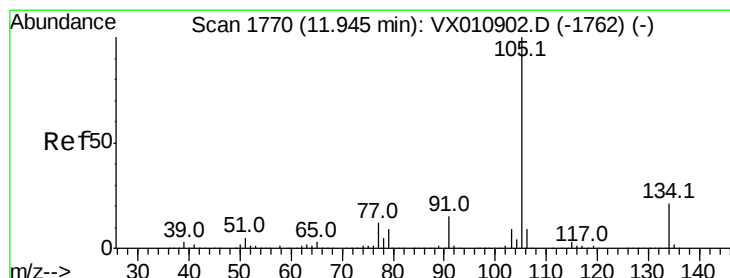
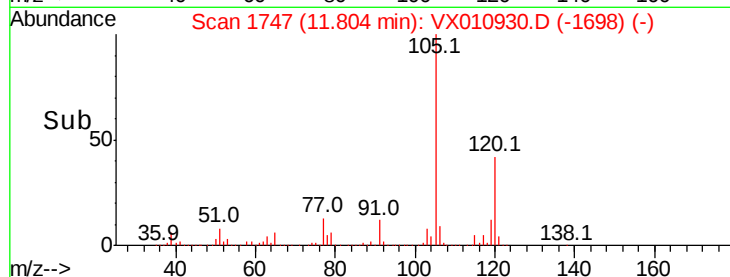
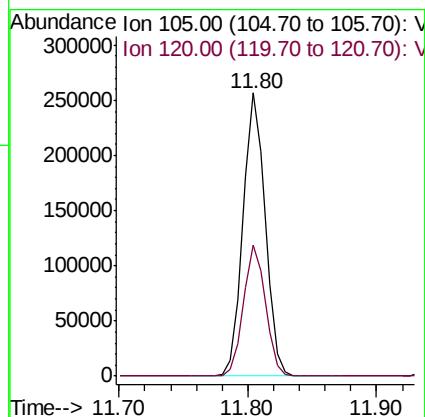
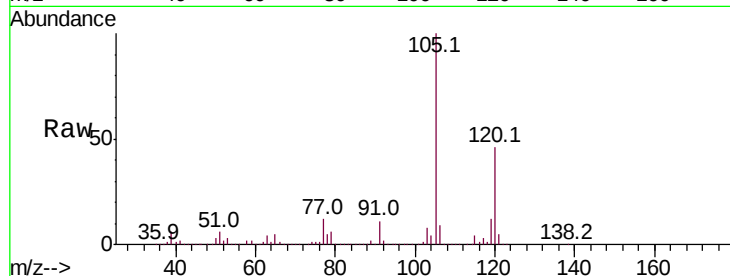
FL-0626

Tot Ion:105 Resp: 304601

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.5



#85

sec-Butylbenzene

Concen: 1.004 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010930.D

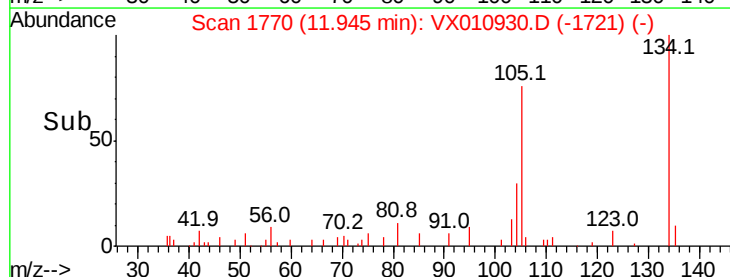
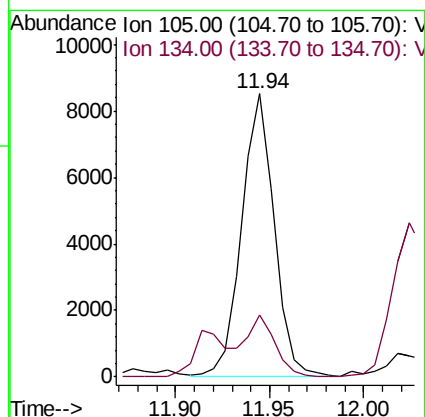
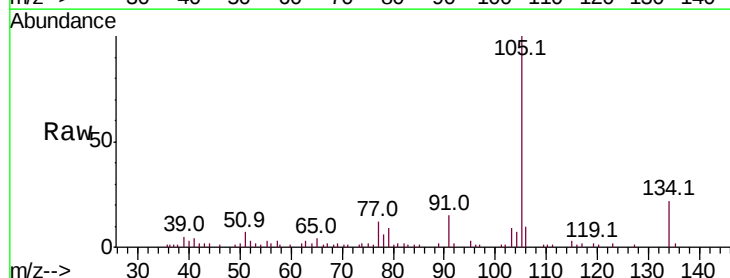
Acq: 17 Jul 2019 12:59

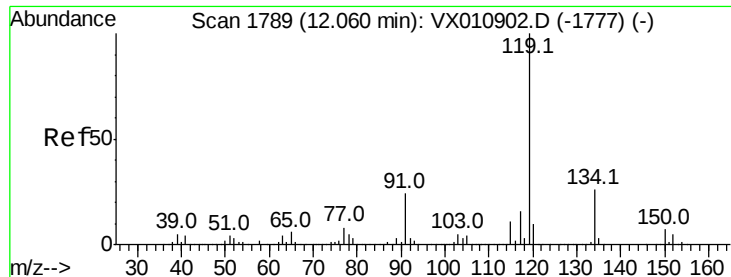
Tgt Ion:105 Resp: 10236

Ion Ratio Lower Upper

105 100

134 21.5 10.4 31.4

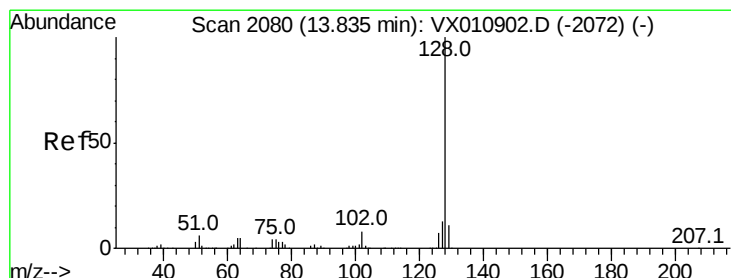
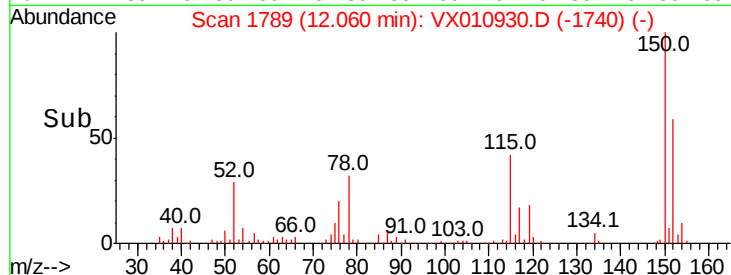
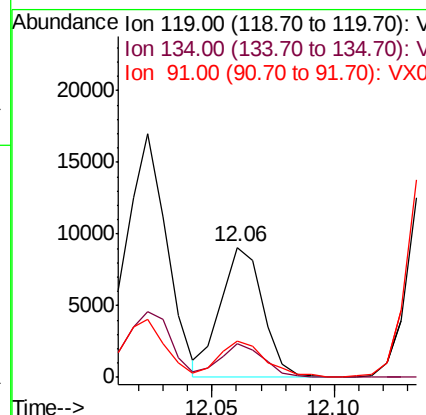
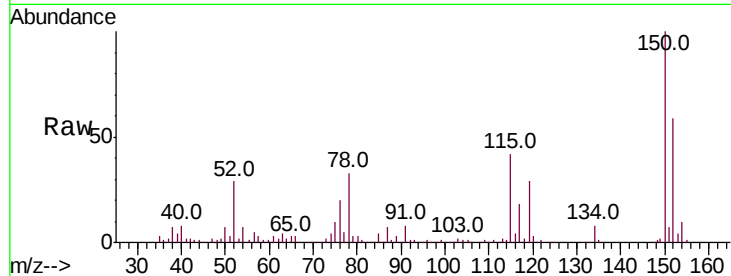




#86
p-Isopropyltoluene
Concen: 1.160 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Instrument :
MSVOA_X
ClientSampled :
FL-0626

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	30.8	11.8	35.4



#95
Naphthalene
Concen: 19.006 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010930.D
Acq: 17 Jul 2019 12:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.5	8.9	13.3

