

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100419\
 Data File : VX012818.D
 Acq On : 04 Oct 2019 17:45
 Operator : JC/SP
 Sample : K5189-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW02SR1-20191001

Quant Time: Oct 05 05:48:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102211	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	118074	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	5.48	113	91143	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	8.71	98	353571	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	11.14	95	124452	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

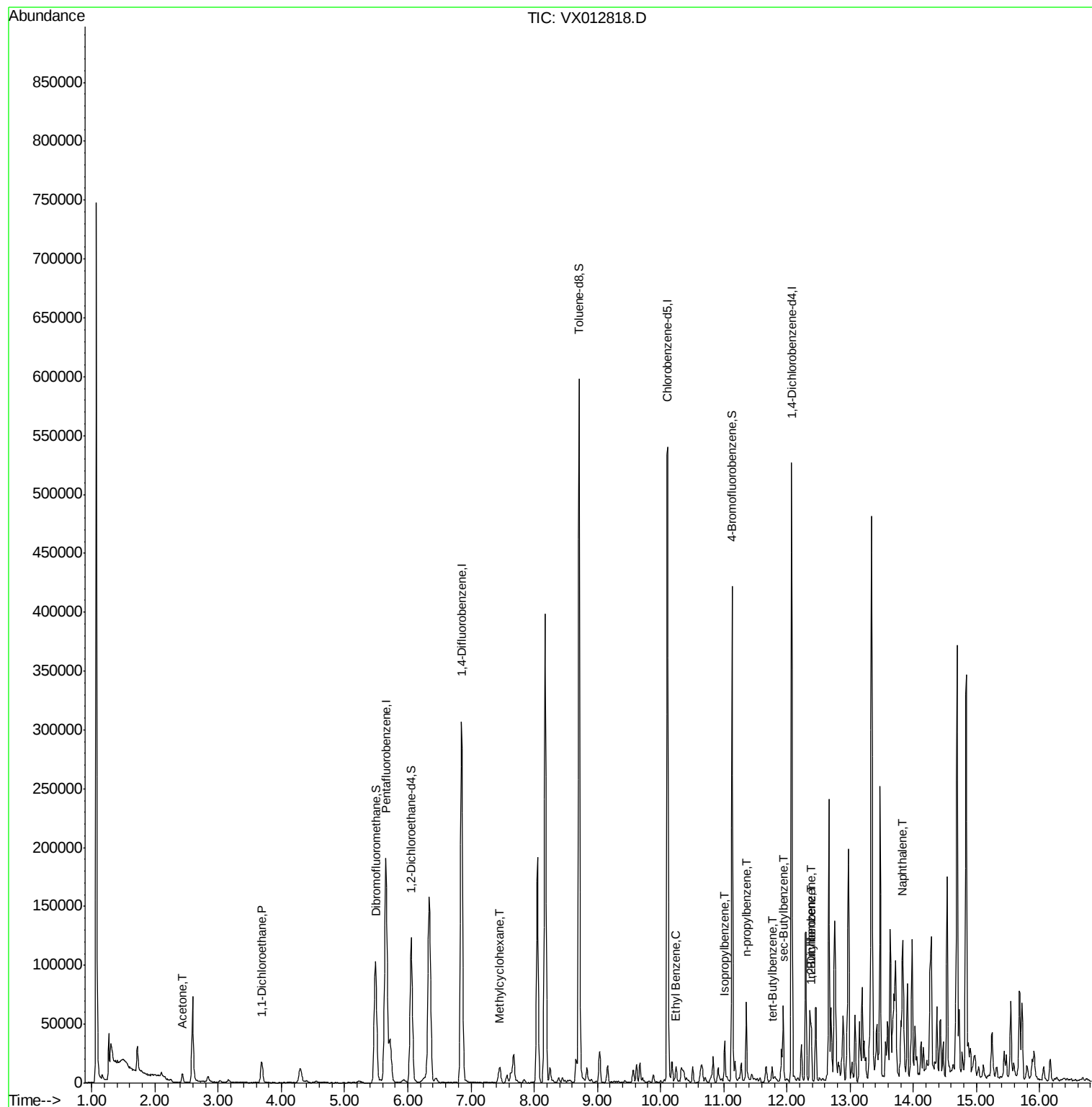
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	8074	6.018	ug/l	100
24) 1,1-Dichloroethane	3.69	63	20363	5.225	ug/l	98
39) Methylcyclohexane	7.46	83	5905	1.703	ug/l #	88
67) Ethyl Benzene	10.25	91	6960	0.719	ug/l	98
73) Isopropylbenzene	11.01	105	17061	2.049	ug/l	99
78) n-propylbenzene	11.35	91	39013	4.163	ug/l	99
83) tert-Butylbenzene	11.76	119	4910	0.729	ug/l	95
85) sec-Butylbenzene	11.94	105	32400	4.137	ug/l	83
89) n-Butylbenzene	12.39	91	20064	3.222	ug/l #	76
91) 1,2-Dichlorobenzene	12.39	146	1120	0.330	ug/l	92
95) Naphthalene	13.83	128	67100	8.959	ug/l #	93

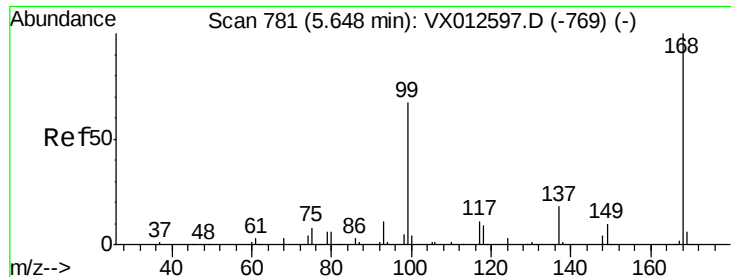
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

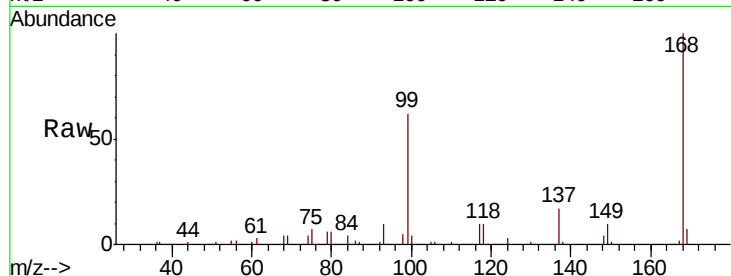
FC-MW02SR1-20191001

Tot Ion:168 Resp: 173934

Ion Ratio Lower Upper

168 100

99 62.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

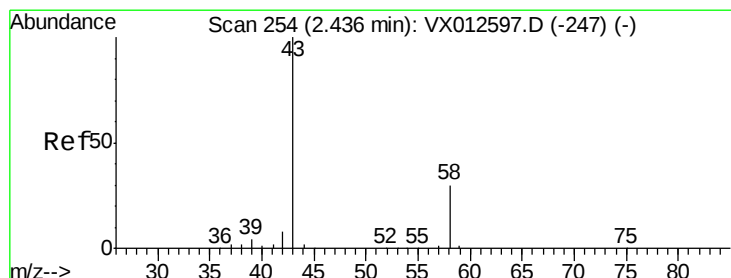
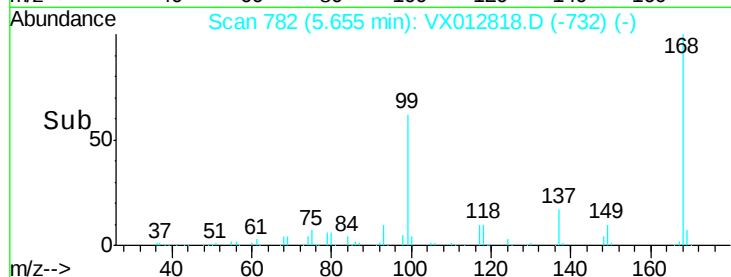
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 6.018 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012818.D

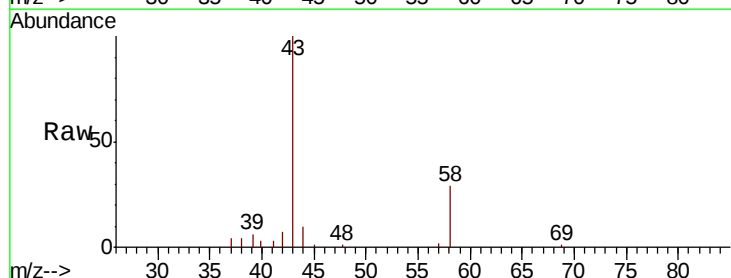
Acq: 04 Oct 2019 17:45

Tgt Ion: 43 Resp: 8074

Ion Ratio Lower Upper

43 100

58 29.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

5000

4000

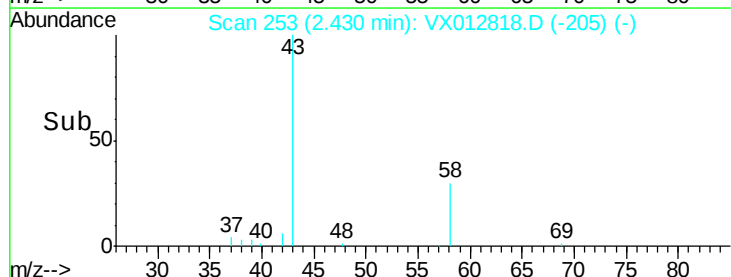
3000

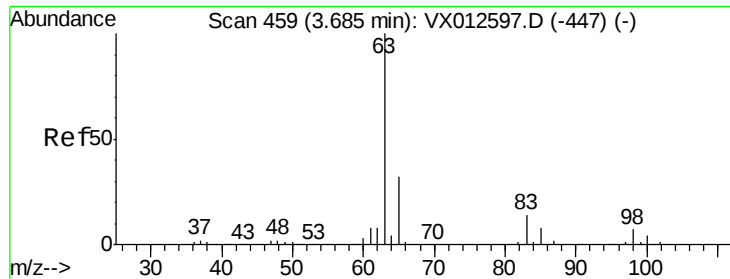
2000

1000

0

Time--> 2.35 2.40 2.45 2.50





#24

1,1-Dichloroethane

Concen: 5.225 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

FC-MW02SR1-20191001

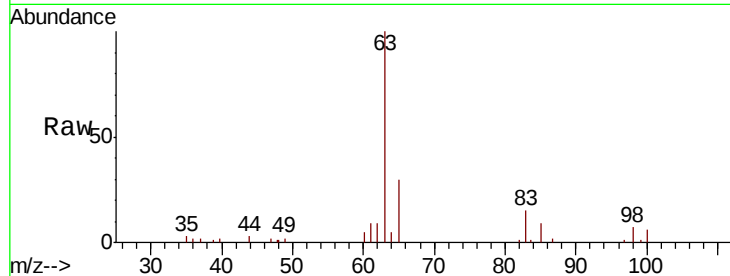
Tot Ion: 63 Resp: 20363

Ion Ratio Lower Upper

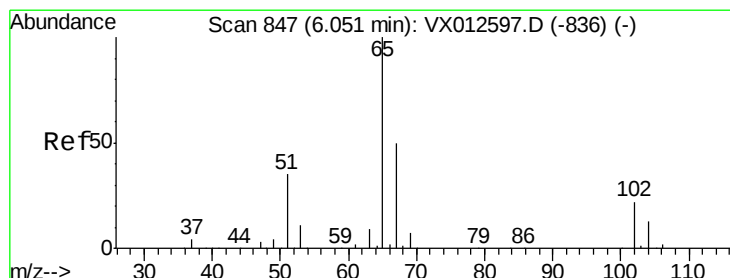
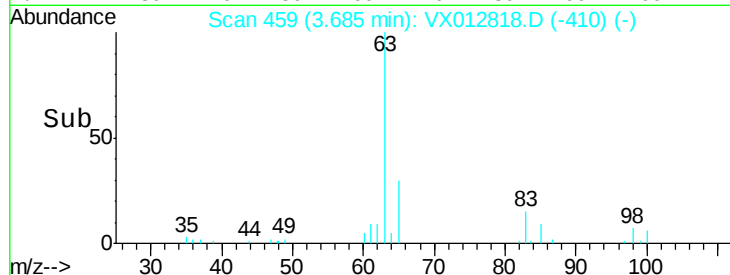
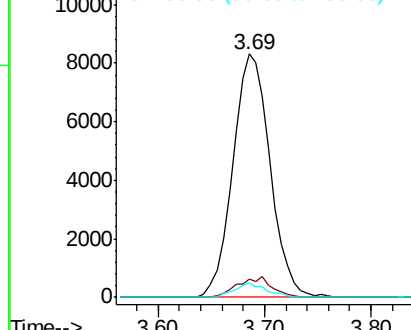
63 100

98 7.3 3.9 11.7

100 5.8 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.618 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012818.D

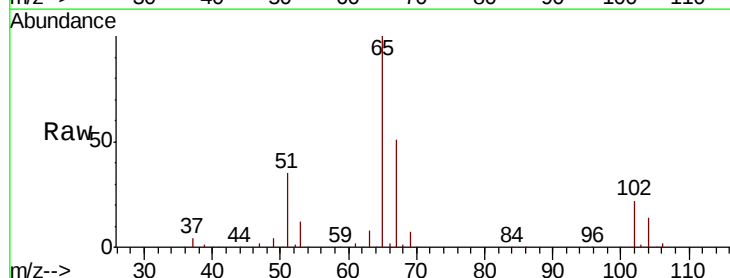
Acq: 04 Oct 2019 17:45

Tgt Ion: 65 Resp: 118074

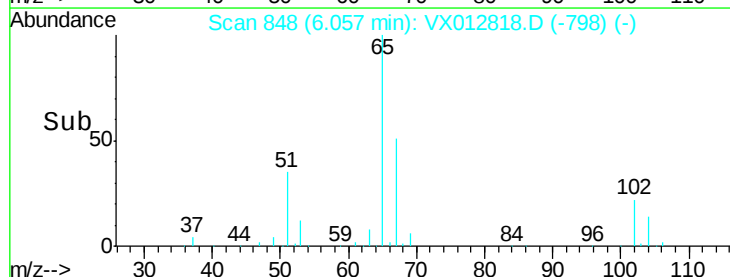
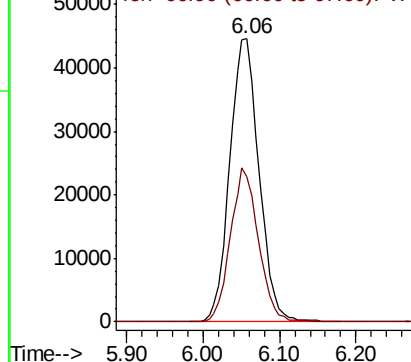
Ion Ratio Lower Upper

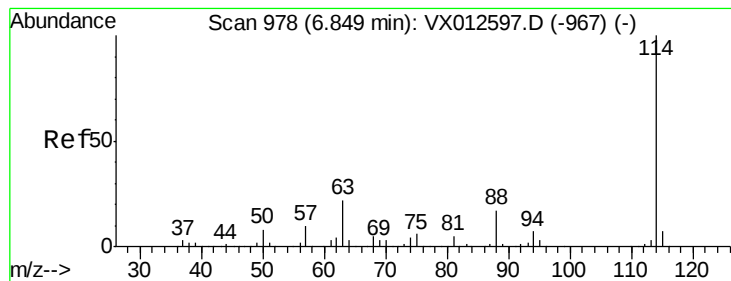
65 100

67 51.9 0.0 101.2



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# 978

Delta R.T. 0.00 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

FC-MW02SR1-20191001

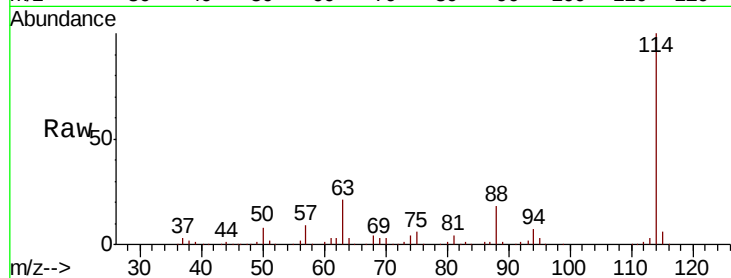
Tot Ion:114 Resp: 298855

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

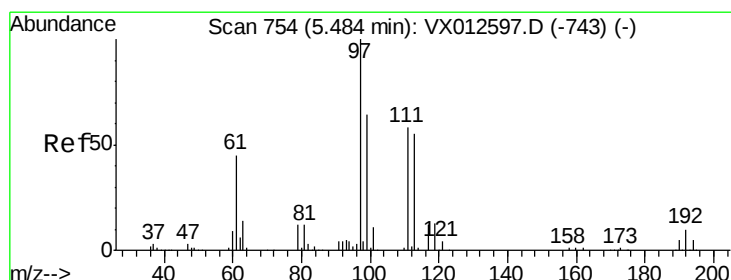
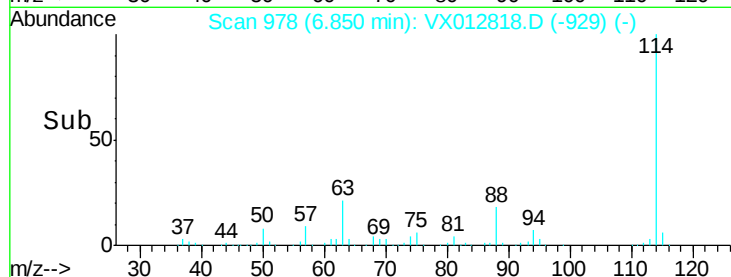
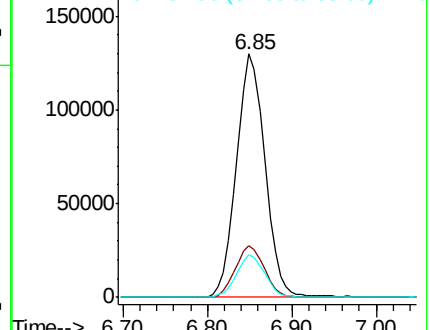
88 17.6 0.0 33.2



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: 51.209 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

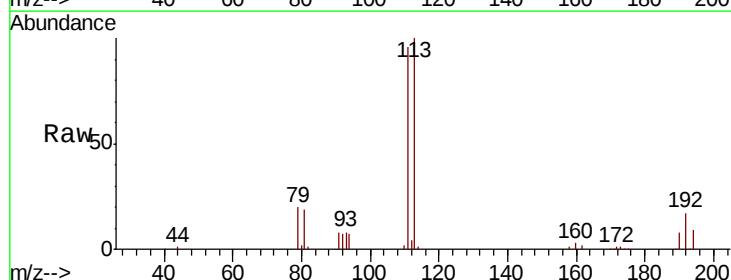
Tgt Ion:113 Resp: 91143

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

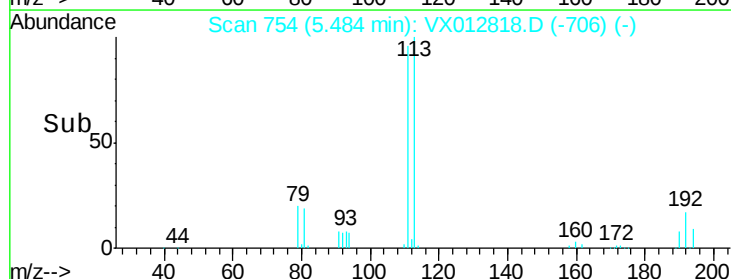
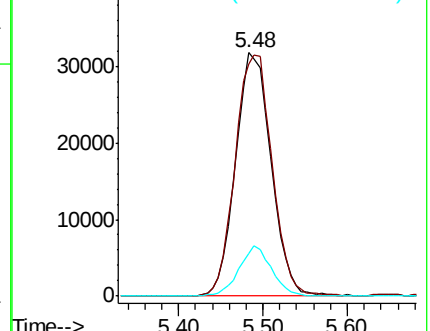
192 18.8 14.4 21.6

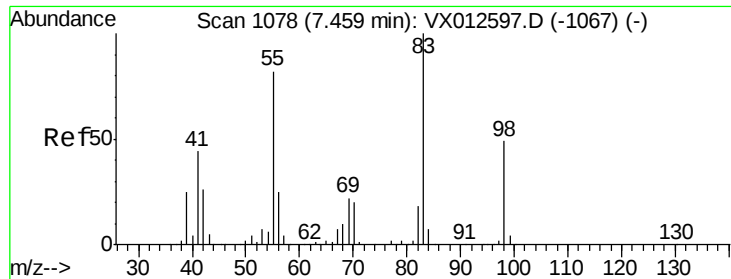


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

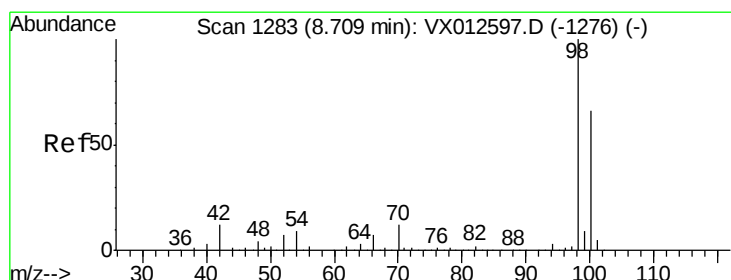
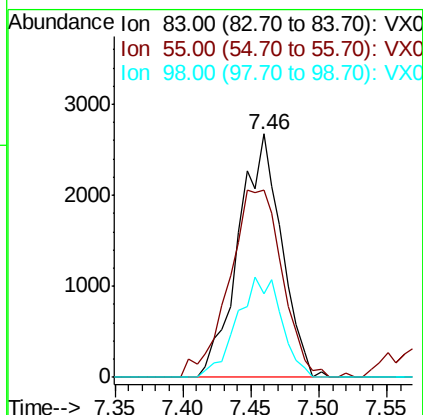
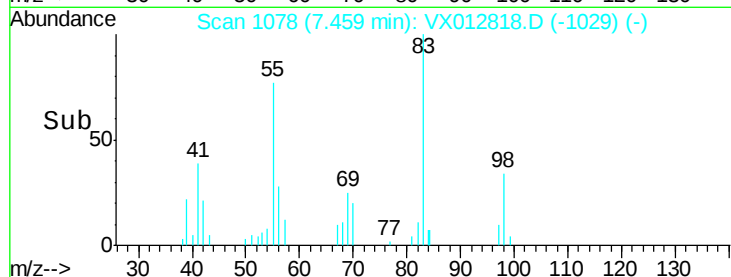
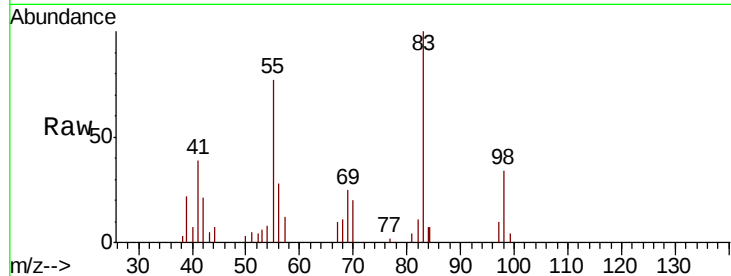




#39
Methvlcvclohexane
Concen: 1.703 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012818.D
Acq: 04 Oct 2019 17:45

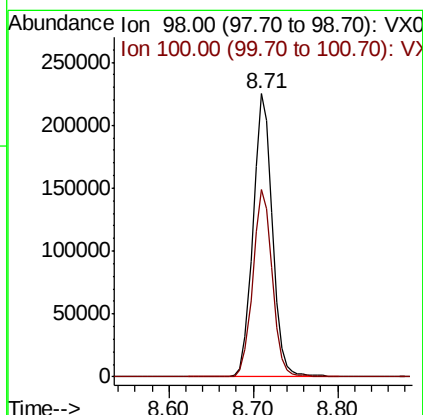
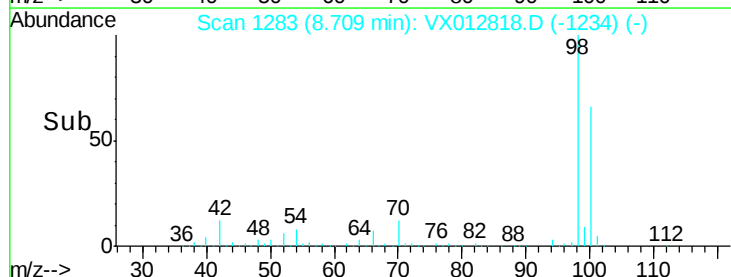
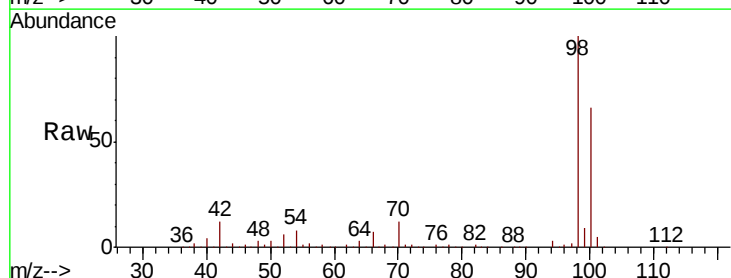
Instrument :
MSVOA_X
ClientSampleId :
FC-MW02SR1-20191001

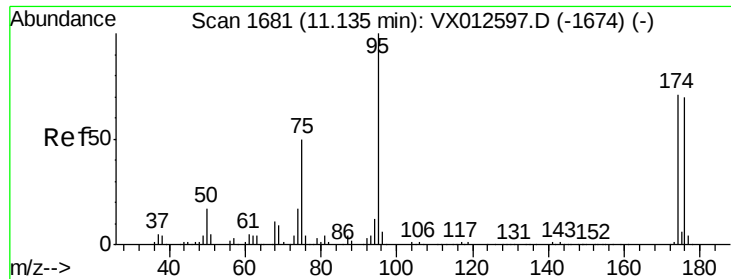
Tot Ion: 83 Resp: 5905
Ion Ratio Lower Upper
83 100
55 76.7 64.4 96.6
98 34.2 40.1 60.1#



#50
Toluene-d8
Concen: 51.585 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012818.D
Acq: 04 Oct 2019 17:45

Tgt Ion: 98 Resp: 353571
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 46.177 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

FC-MW02SR1-20191001

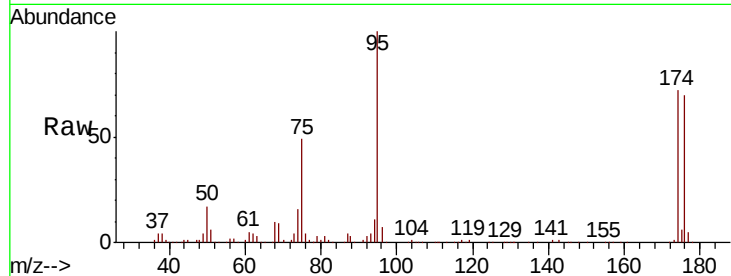
Tot Ion: 95 Resp: 124452

Ion Ratio Lower Upper

95 100

174 68.0 0.0 140.0

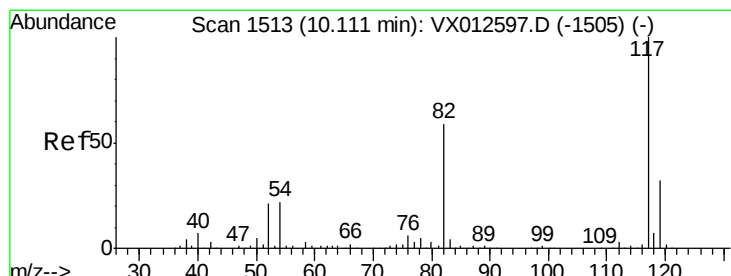
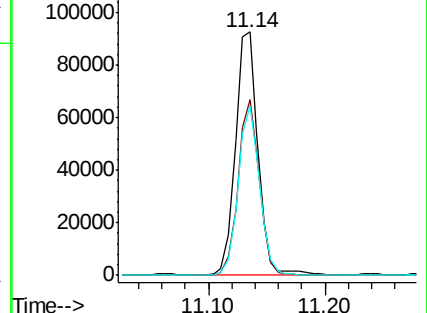
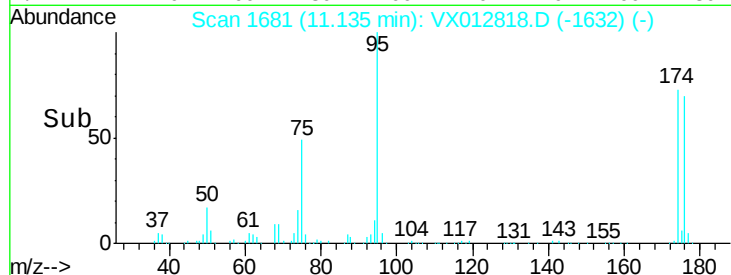
176 66.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012818.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012818.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012818.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

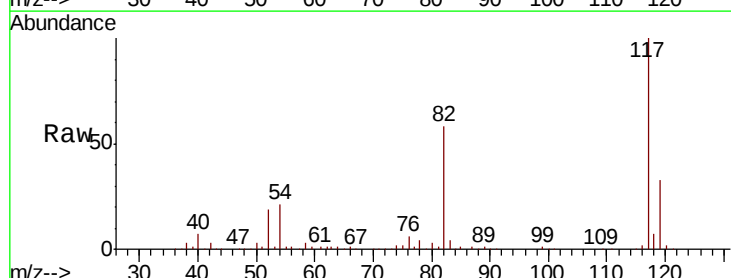
Tgt Ion: 117 Resp: 253536

Ion Ratio Lower Upper

117 100

82 58.2 45.9 68.9

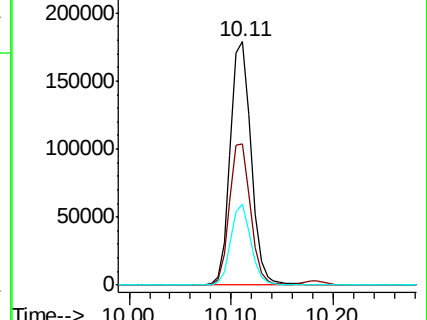
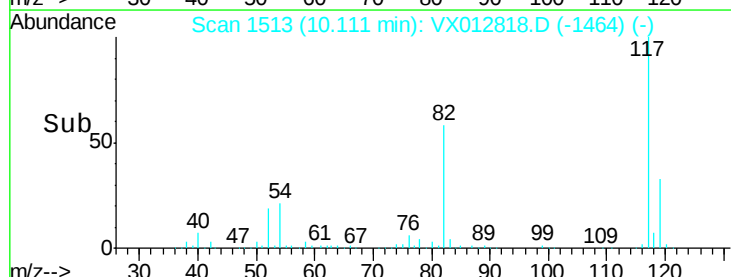
119 33.2 25.3 37.9

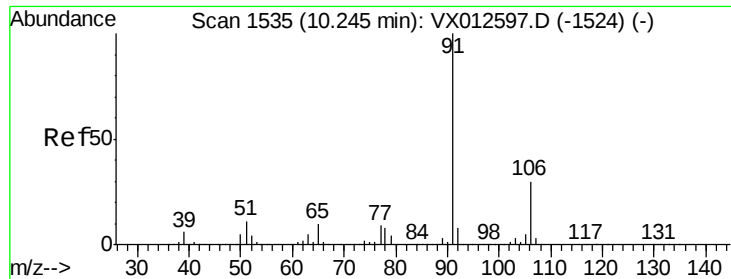


Abundance Ion 116.90 (116.60 to 117.60): VX012818.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012818.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012818.D (-1464) (-)

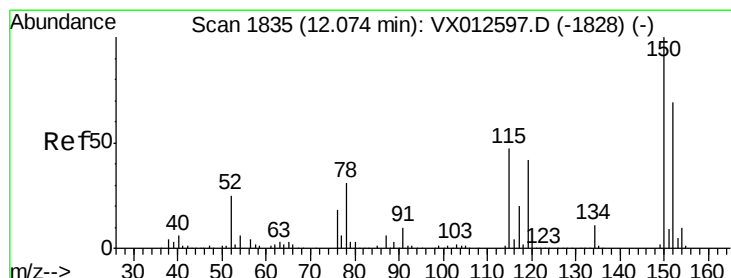
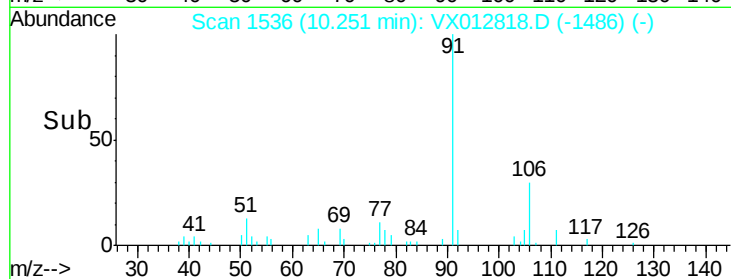
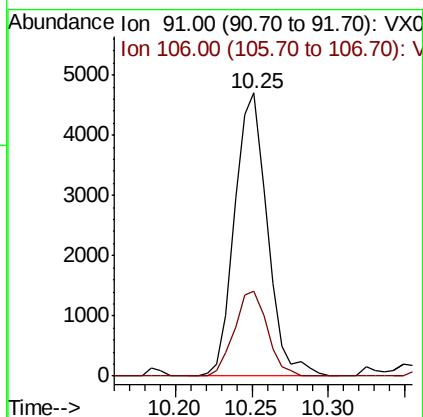
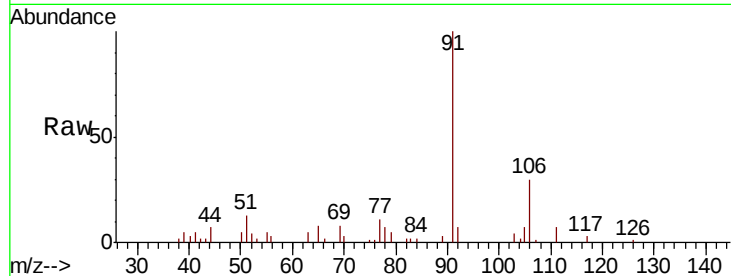




#67
Ethyl Benzene
Concen: 0.719 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012818.D
Acq: 04 Oct 2019 17:45

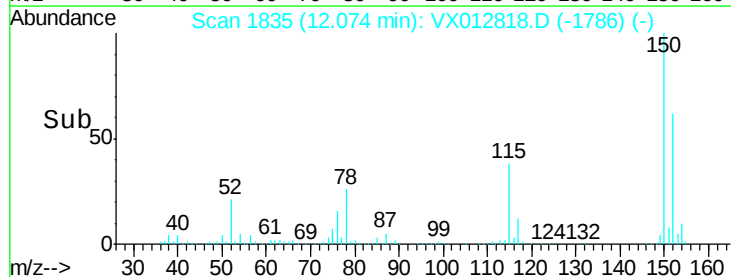
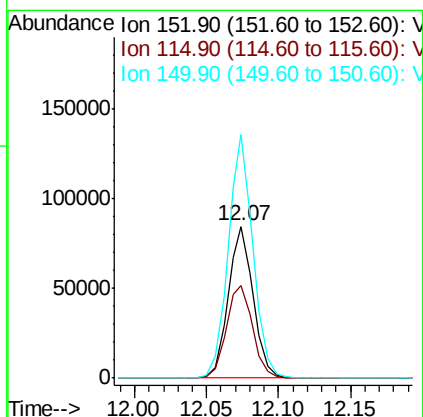
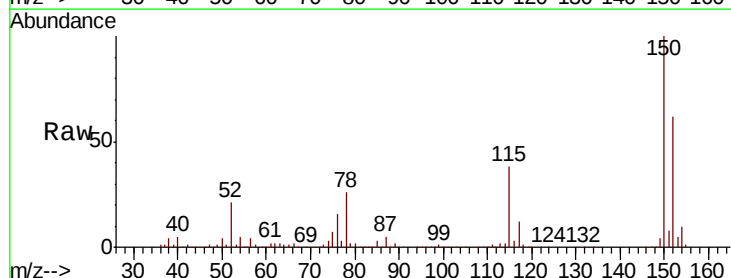
Instrument :
MSVOA_X
ClientSampleId :
FC-MW02SR1-20191001

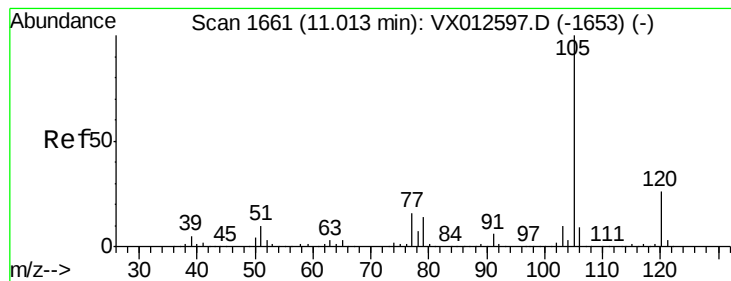
Tot Ion: 91 Resp: 6960
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012818.D
Acq: 04 Oct 2019 17:45

Tgt Ion: 152 Resp: 102211
Ion Ratio Lower Upper
152 100
115 64.4 44.1 132.3
150 159.1 0.0 343.8





#73

Isopropylbenzene

Concen: 2.049 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

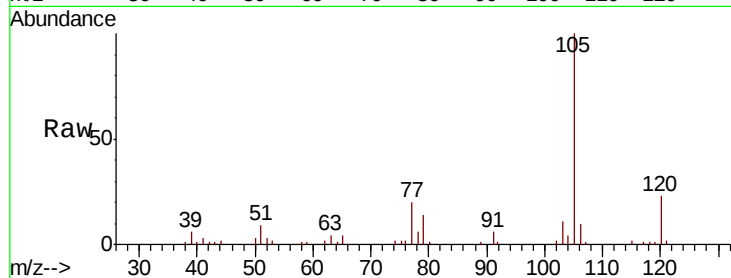
FC-MW02SR1-20191001

Tot Ion: 105 Resp: 17061

Ion Ratio Lower Upper

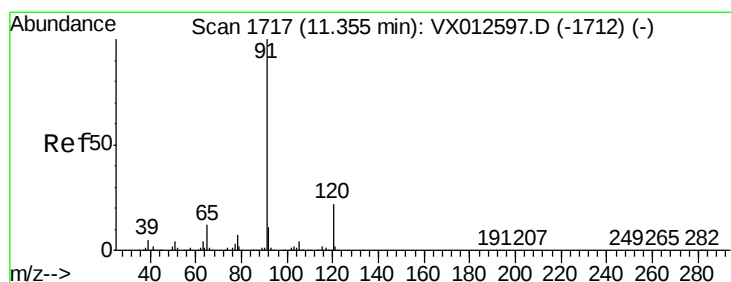
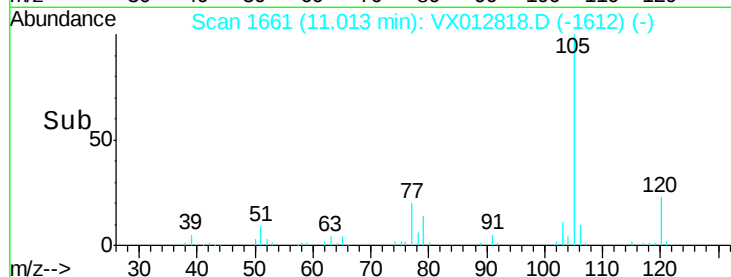
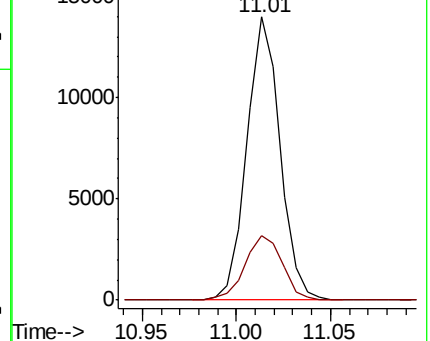
105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 4.163 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012818.D

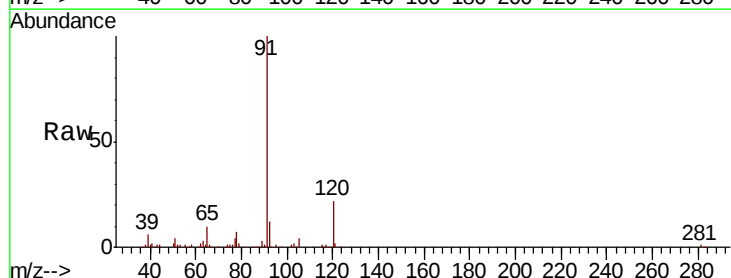
Acq: 04 Oct 2019 17:45

Tgt Ion: 91 Resp: 39013

Ion Ratio Lower Upper

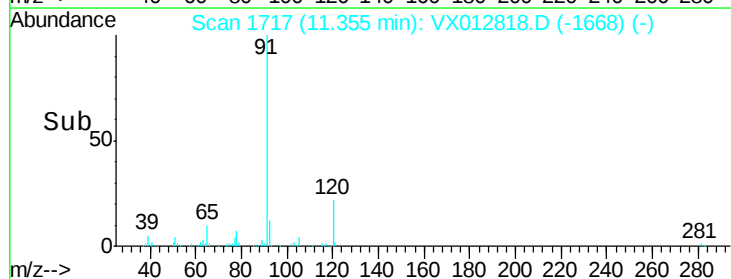
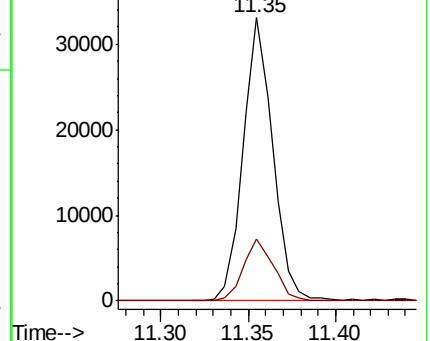
91 100

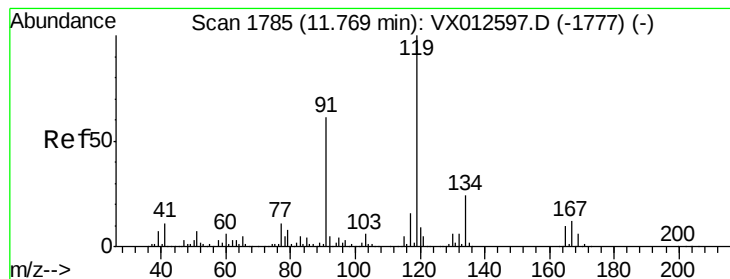
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.729 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

FC-MW02SR1-20191001

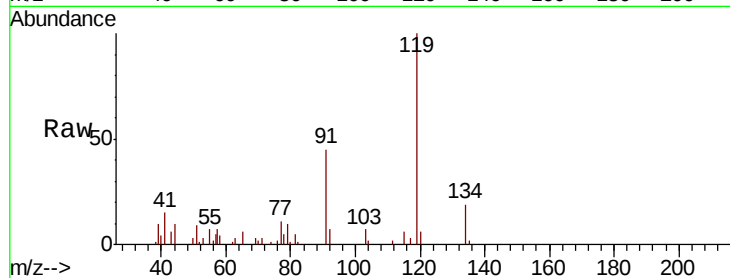
Tot Ion:119 Resp: 4910

Ion Ratio Lower Upper

119 100

91 64.4 30.0 90.0

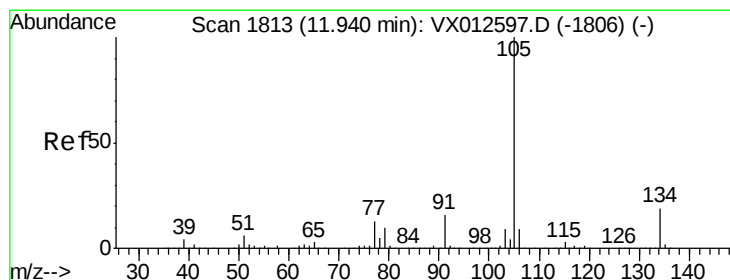
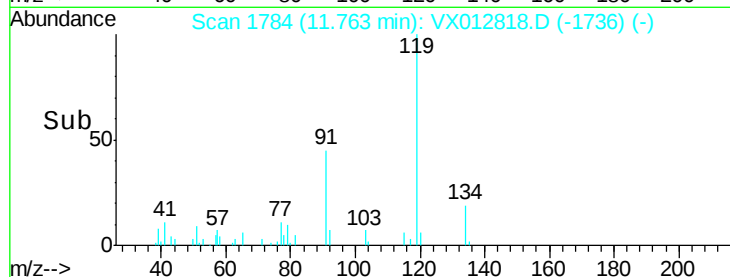
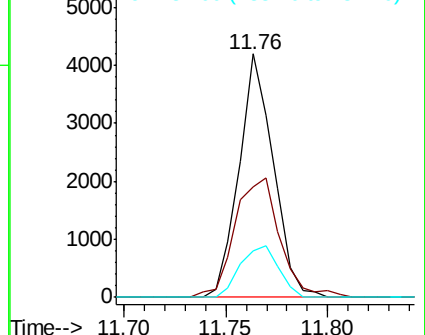
134 23.6 11.3 33.9



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



#85

sec-Butylbenzene

Concen: 4.137 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012818.D

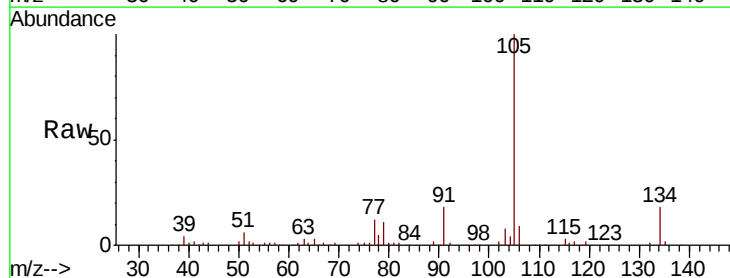
Acq: 04 Oct 2019 17:45

Tgt Ion:105 Resp: 32400

Ion Ratio Lower Upper

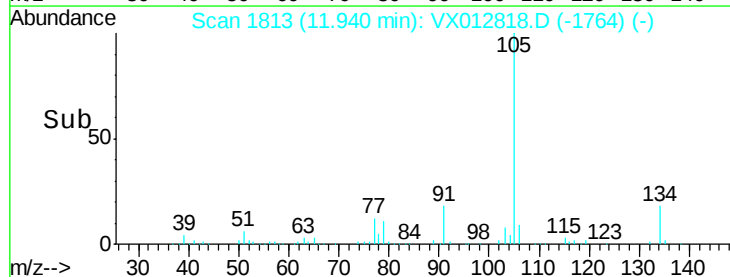
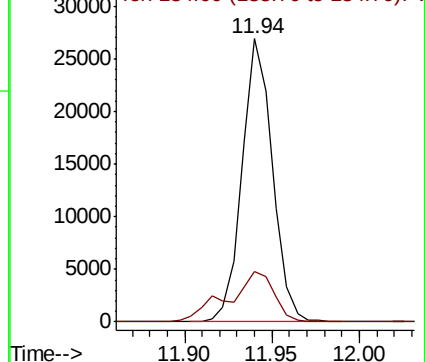
105 100

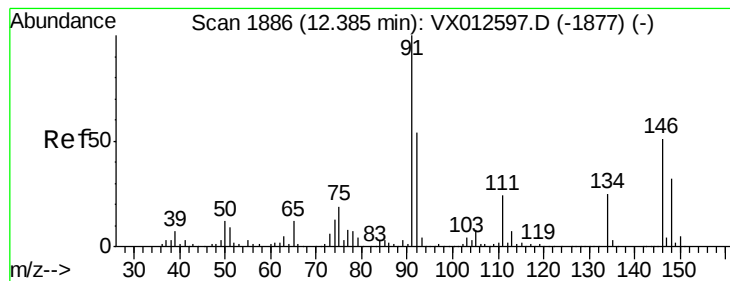
134 27.3 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 3.222 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

Instrument :

MSVOA_X

ClientSampleId :

FC-MW02SR1-20191001

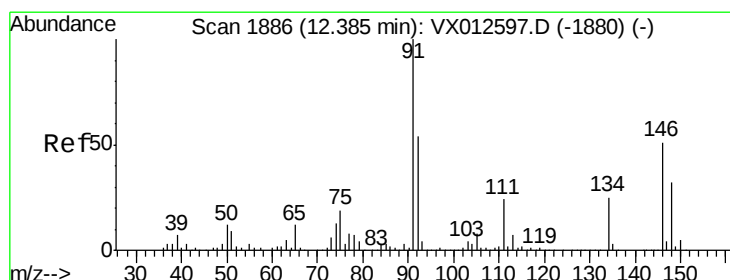
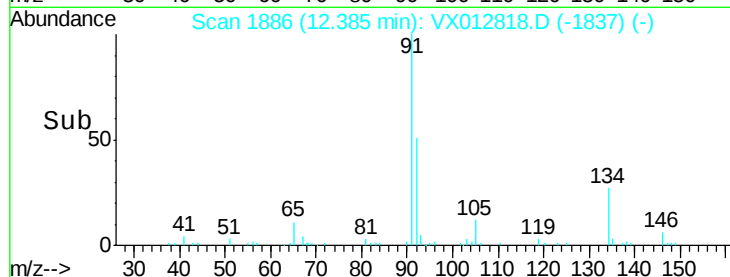
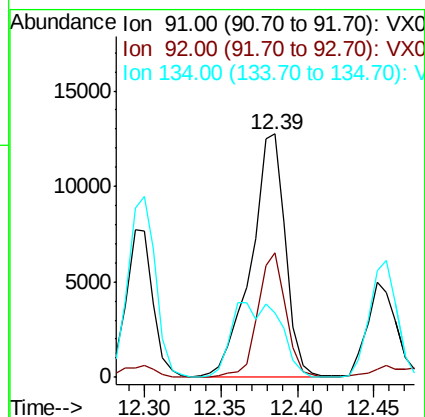
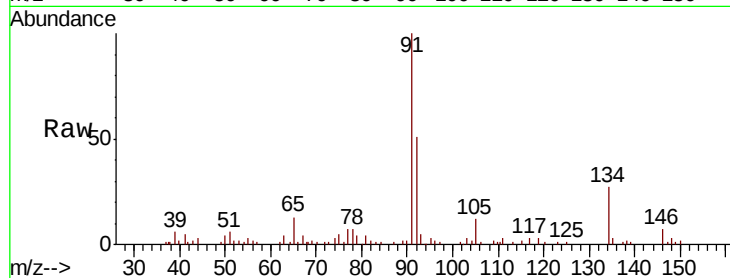
Tot Ion: 91 Resp: 20064

Ion Ratio Lower Upper

91 100

92 41.4 27.7 83.0

134 43.7 12.9 38.6#



#91

1,2-Dichlorobenzene

Concen: 0.330 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX012818.D

Acq: 04 Oct 2019 17:45

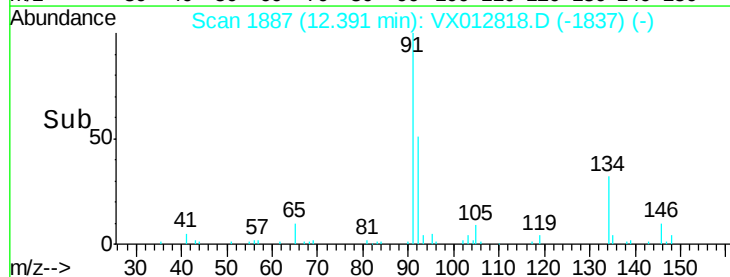
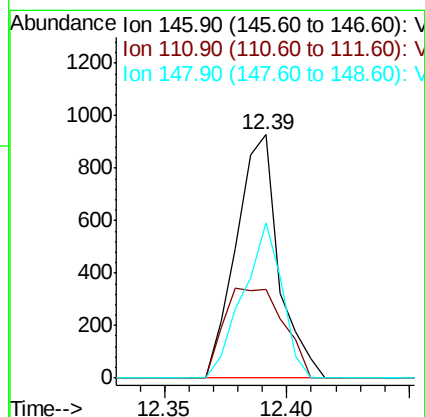
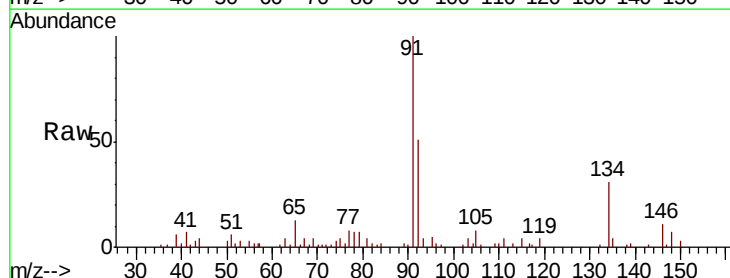
Tgt Ion: 146 Resp: 1120

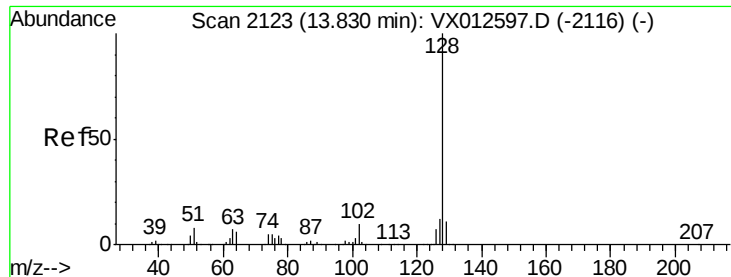
Ion Ratio Lower Upper

146 100

111 51.8 22.1 66.1

148 58.7 31.3 93.9

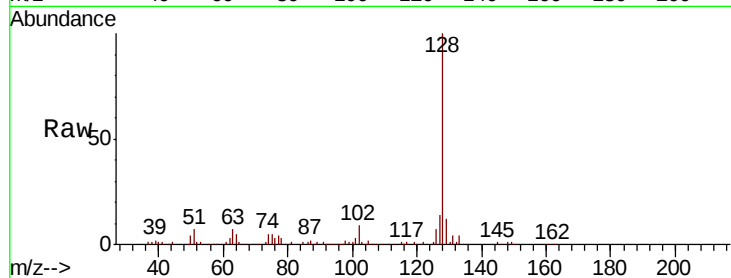




#95
Naphthalene
Concen: 8.959 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012818.D
Acq: 04 Oct 2019 17:45

Instrument :
MSVOA_X
ClientSampleId :
FC-MW02SR1-20191001

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.4
129	15.6	8.8	13.2



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

