

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060733.D
 Acq On : 14 Nov 2018 19:24
 Operator : VA/AP
 Sample : J5925-13
 Misc : 13.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-6S1

Quant Time: Nov 15 07:58:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	146001	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	239301	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	203467	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	103039	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	68682	41.24	ug/l	-0.03
Spiked Amount			Recovery	=	82.48%	
35) Dibromofluoromethane	4.08	113	83130	46.21	ug/l	-0.04
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	7.53	98	208183	44.71	ug/l	-0.04
Spiked Amount			Recovery	=	89.42%	
62) 4-Bromofluorobenzene	11.39	95	91438	42.34	ug/l	-0.02
Spiked Amount			Recovery	=	84.68%	

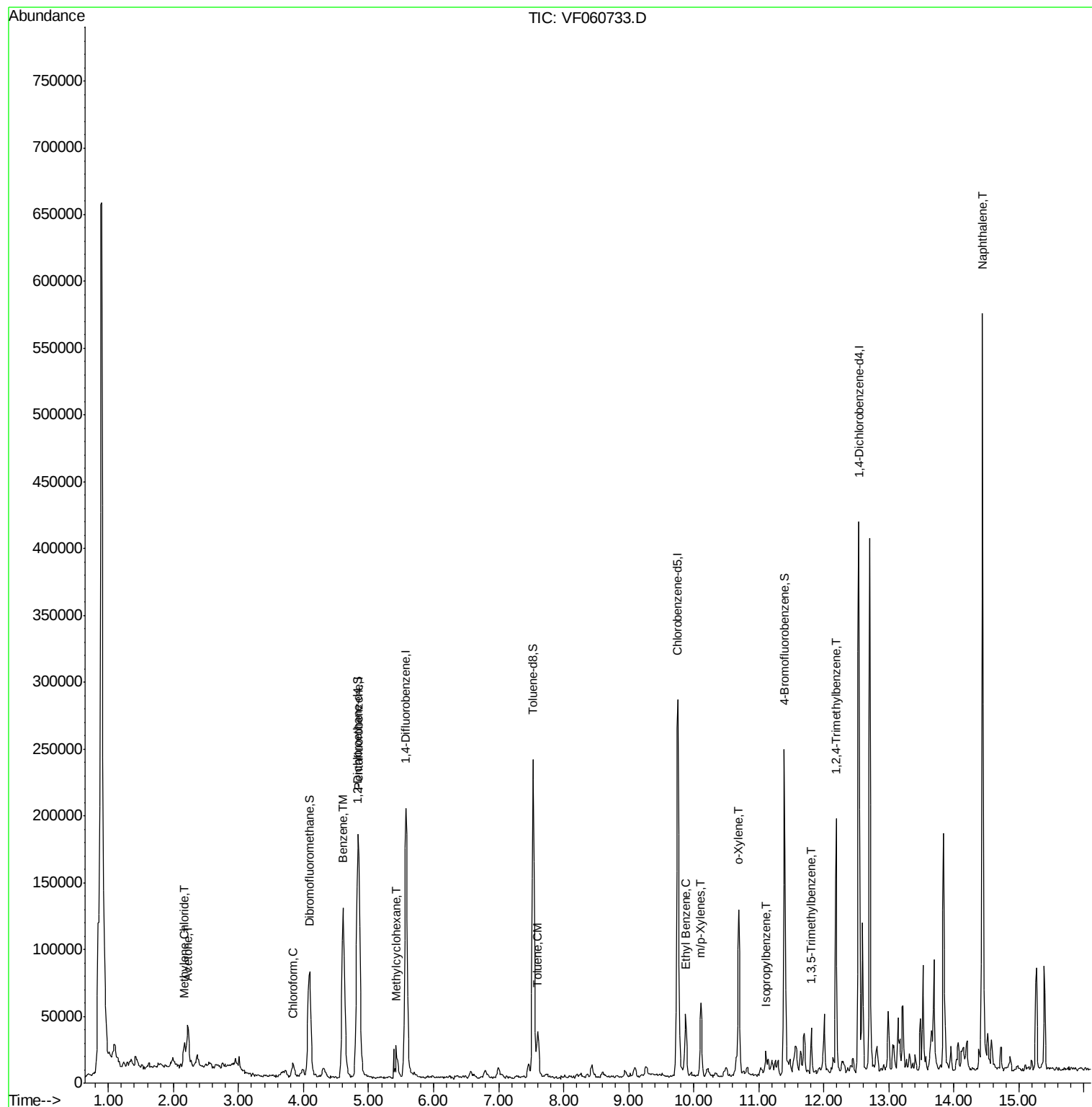
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.22	43	42367	119.03	ug/l	98
20) Methylene Chloride	2.17	84	10563	6.44	ug/l #	85
30) Chloroform	3.84	83	9411	2.40	ug/l	95
39) Methylcyclohexane	5.43	83	9199	2.86	ug/l #	88
40) Benzene	4.61	78	166157	26.86	ug/l	98
52) Toluene	7.61	92	19520	4.71	ug/l	94
67) Ethyl Benzene	9.88	91	29132	3.76	ug/l	91
68) m/p-Xylenes	10.11	106	18316	6.62	ug/l	80
69) o-Xylene	10.69	106	36171	11.63	ug/l	97
73) Isopropylbenzene	11.11	105	8528	1.03	ug/l	89
80) 1,3,5-Trimethylbenzene	11.81	105	15717	2.39	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	89416	13.13	ug/l	96
95) Naphthalene	14.44	128	386620	91.13	ug/l	98

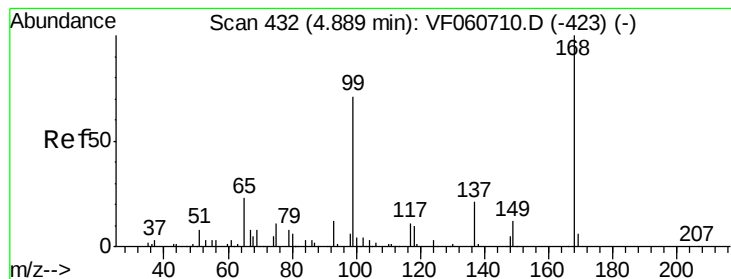
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

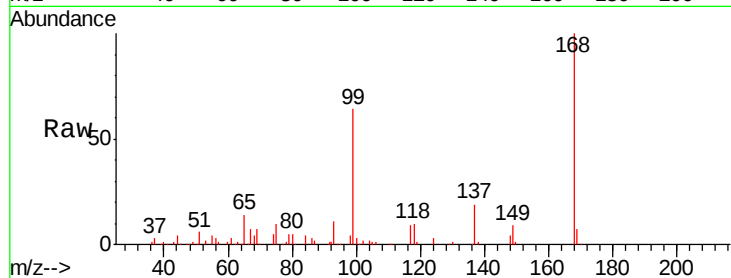
TP-6S1

Tgt Ion:168 Resp: 146001

Ion Ratio Lower Upper

168 100

99 64.3 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

50000

40000

30000

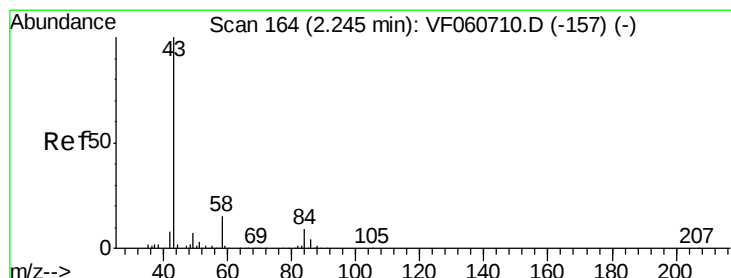
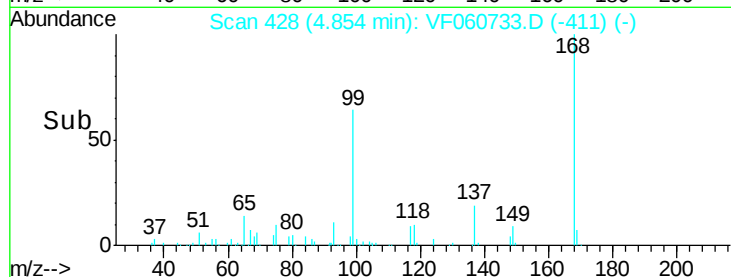
20000

10000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 119.03 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF060733.D

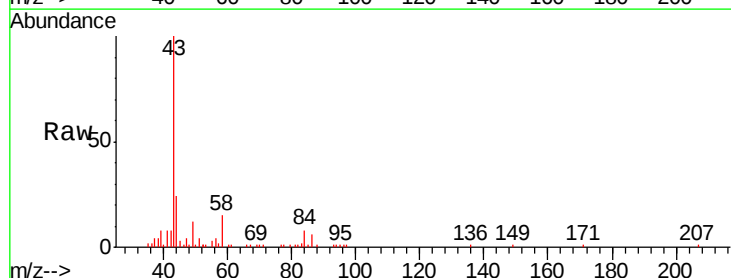
Acq: 14 Nov 2018 19:24

Tgt Ion: 43 Resp: 42367

Ion Ratio Lower Upper

43 100

58 15.2 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

20000

15000

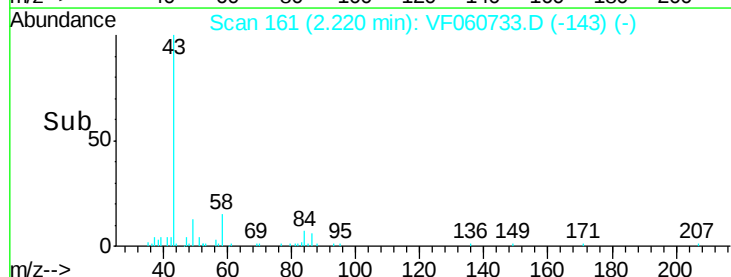
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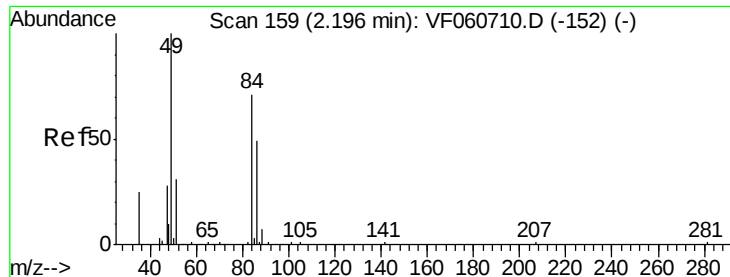
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Time-->

2.10 2.20 2.30

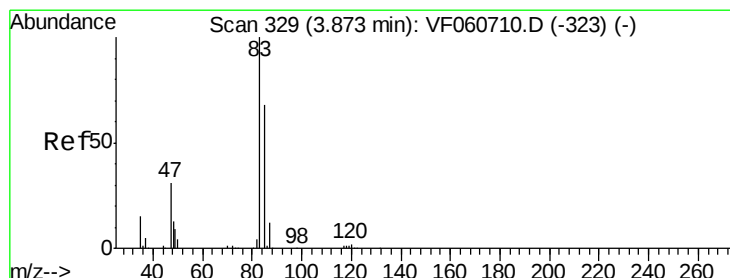
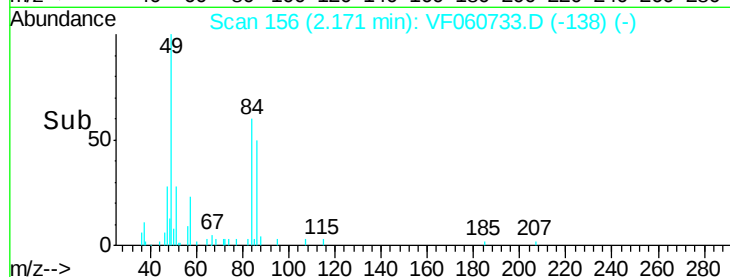
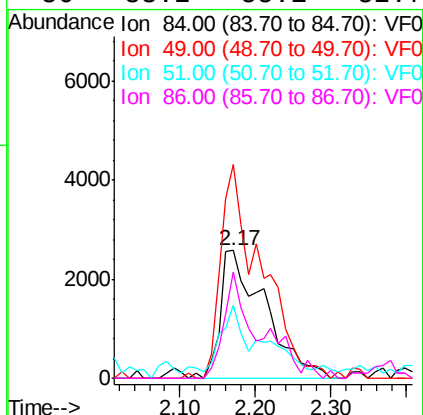
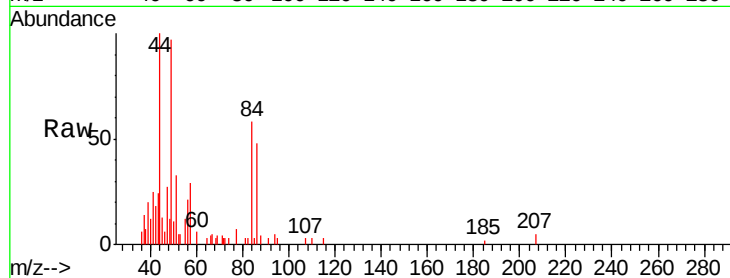




#20
Methylene Chloride
Concen: 6.44 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

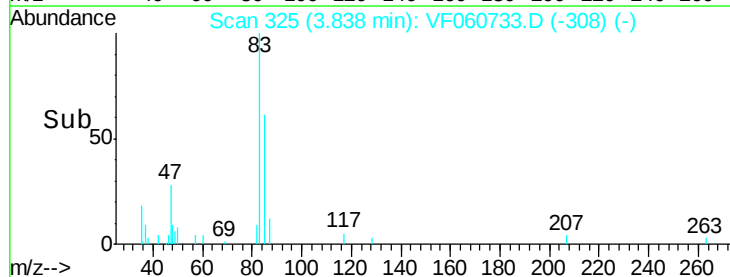
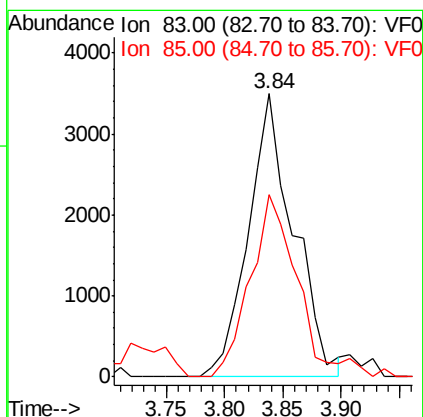
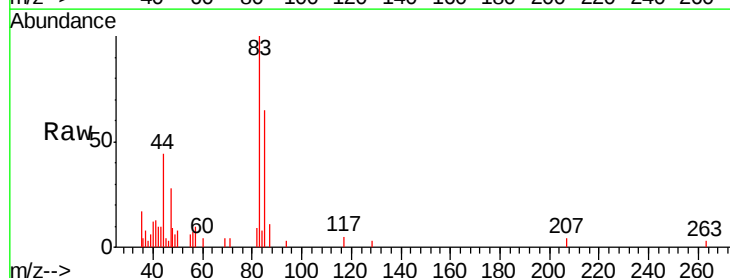
Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

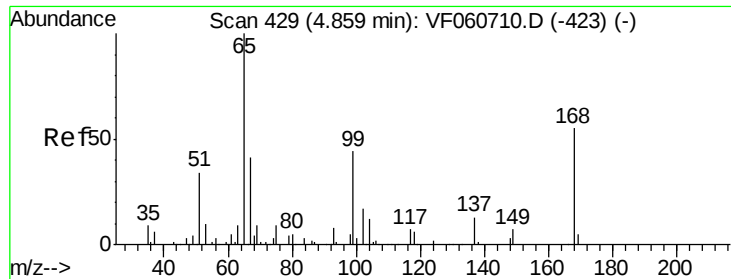
Tgt Ion: 84 Resp: 10563
Ion Ratio Lower Upper
84 100
49 167.5 120.2 180.4
51 57.3 37.2 55.8#
86 83.2 55.1 82.7#



#30
Chloroform
Concen: 2.40 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion: 83 Resp: 9411
Ion Ratio Lower Upper
83 100
85 64.6 54.6 82.0

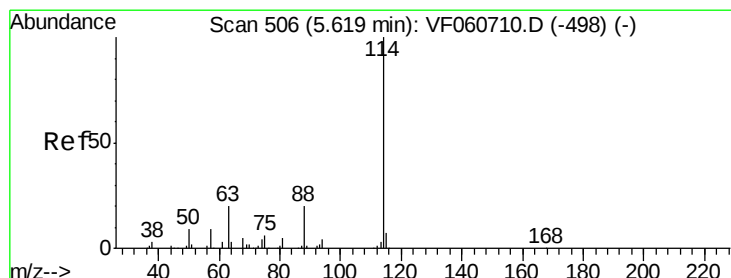
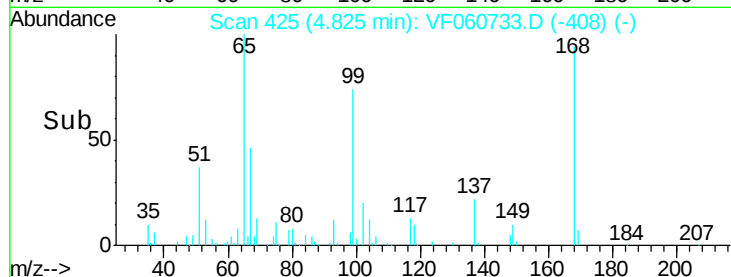
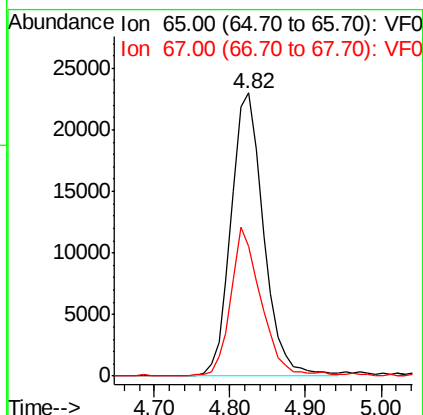
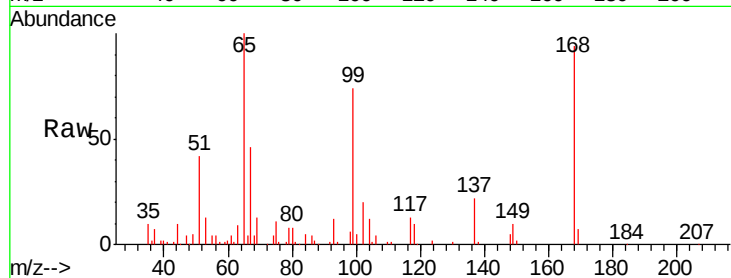




#33
 1,2-Dichloroethane-d4
 Concen: 41.24 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF060733.D
 Acq: 14 Nov 2018 19:24

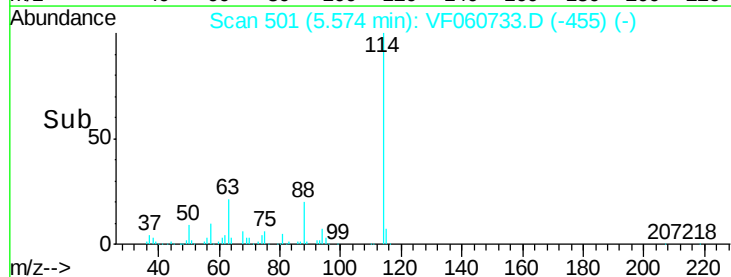
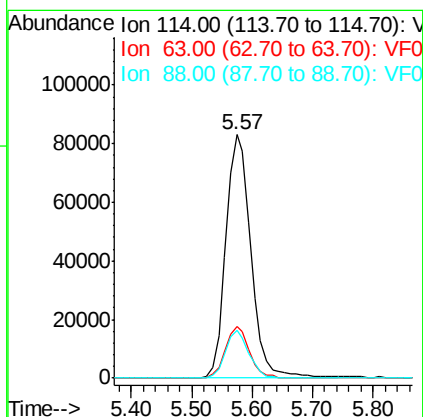
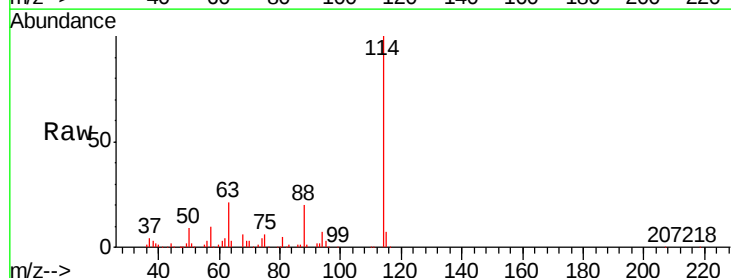
Instrument :
 MSVOA_F
 ClientSampled :
 TP-6S1

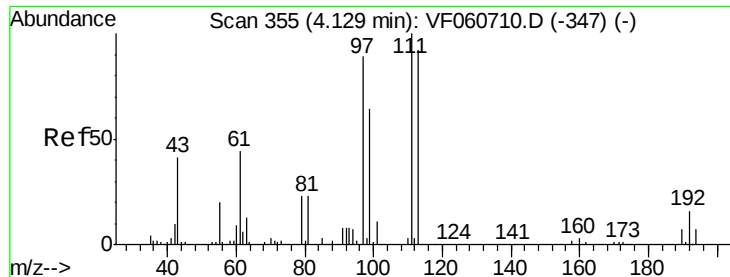
Tgt Ion: 65 Resp: 68682
 Ion Ratio Lower Upper
 65 100
 67 45.7 0.0 90.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.04 min
 Lab File: VF060733.D
 Acq: 14 Nov 2018 19:24

Tgt Ion: 114 Resp: 239301
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 19.6 0.0 39.6

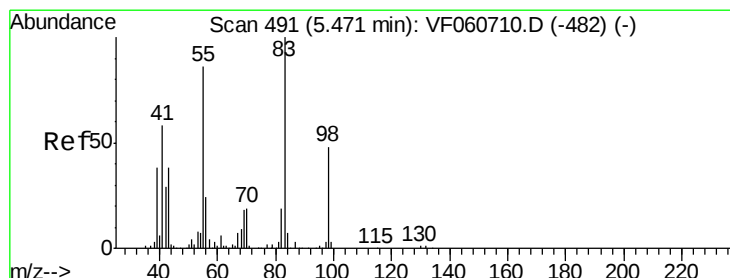
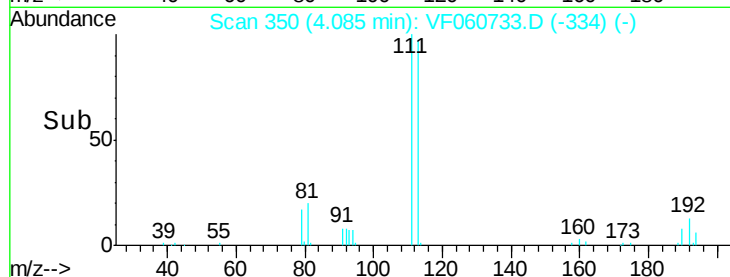
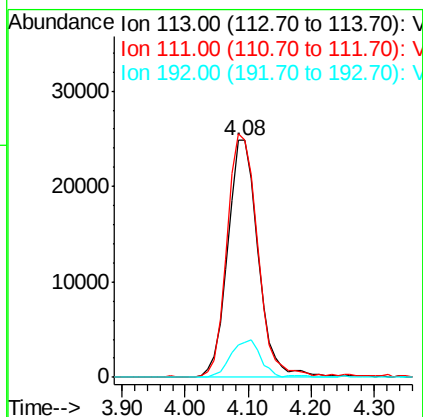
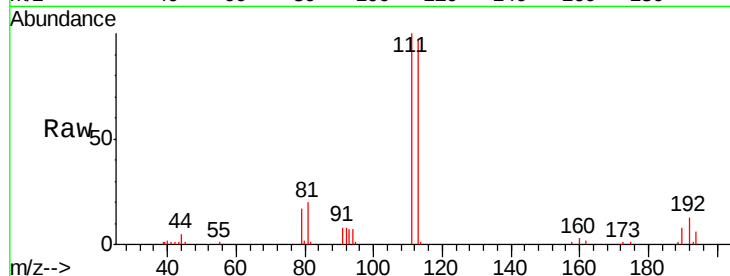




#35
 Dibromofluoromethane
 Concen: 46.21 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.04 min
 Lab File: VF060733.D
 Acq: 14 Nov 2018 19:24

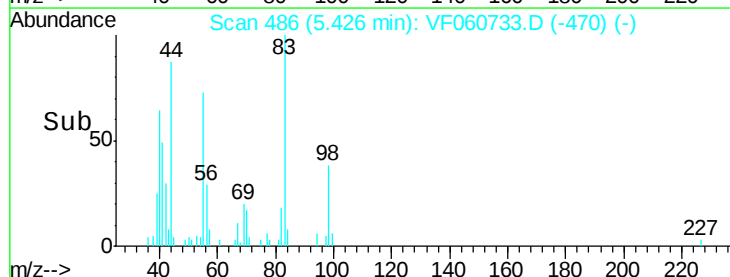
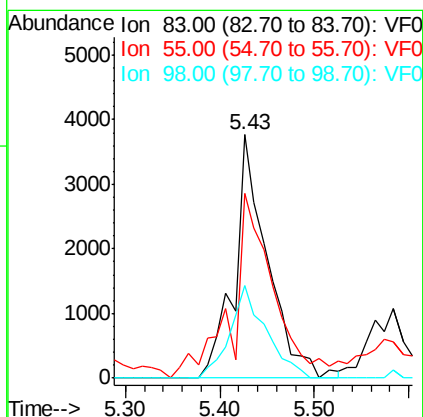
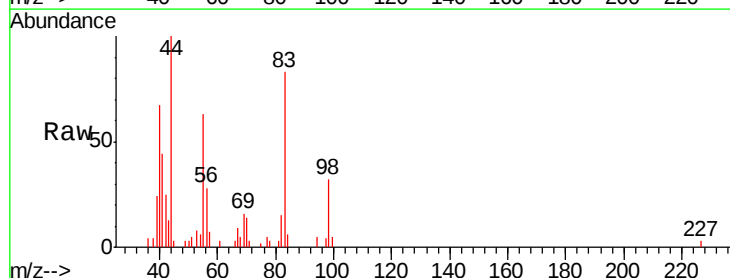
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-6S1

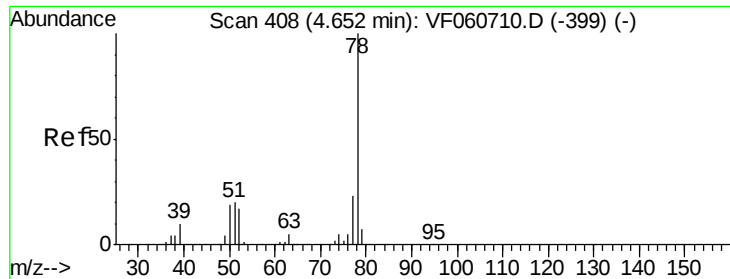
Tgt Ion: 113 Resp: 83130
 Ion Ratio Lower Upper
 113 100
 111 102.7 87.1 130.7
 192 13.6 13.8 20.6#



#39
 Methylcyclohexane
 Concen: 2.86 ug/l
 RT: 5.43 min Scan# 486
 Delta R.T. -0.04 min
 Lab File: VF060733.D
 Acq: 14 Nov 2018 19:24

Tgt Ion: 83 Resp: 9199
 Ion Ratio Lower Upper
 83 100
 55 75.9 69.0 103.4
 98 38.0 38.5 57.7#





#40

Benzene

Concen: 26.86 ug/l

RT: 4.61 min Scan# 403

Delta R.T. -0.04 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

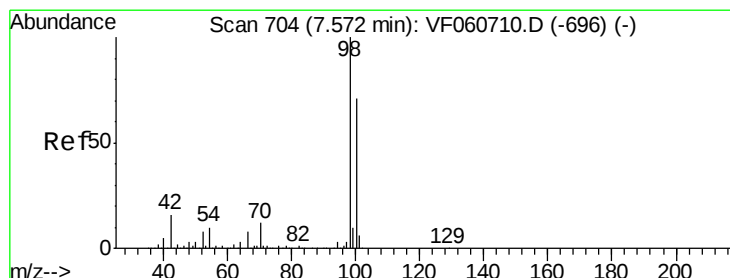
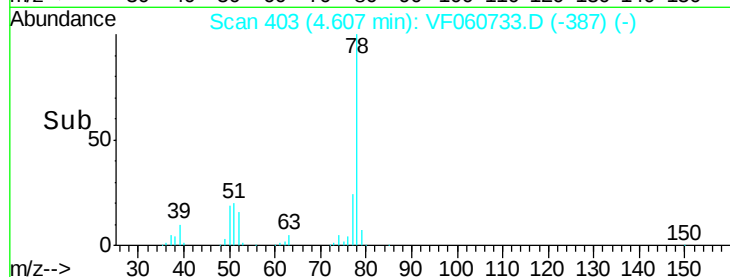
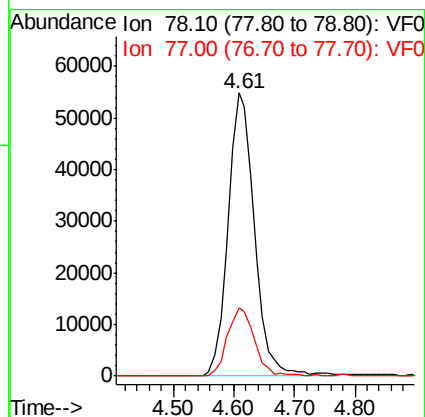
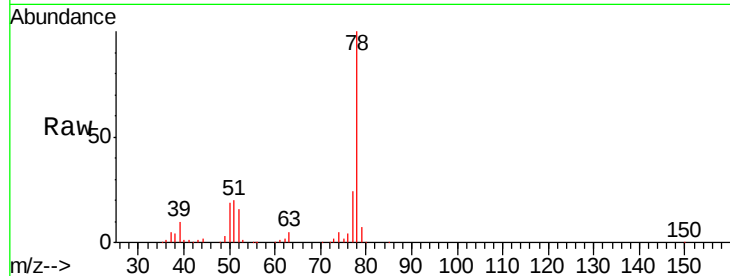
TP-6S1

Tgt Ion: 78 Resp: 166157

Ion Ratio Lower Upper

78 100

77 24.3 18.6 28.0



#50

Toluene-d8

Concen: 44.71 ug/l

RT: 7.53 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF060733.D

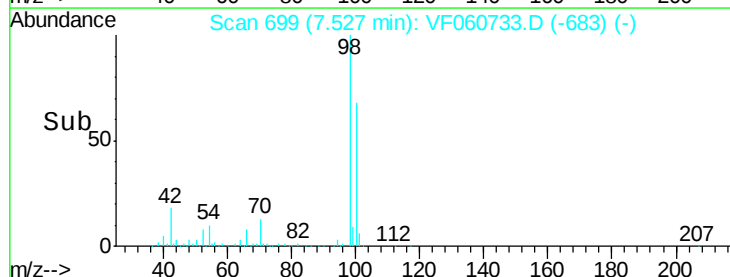
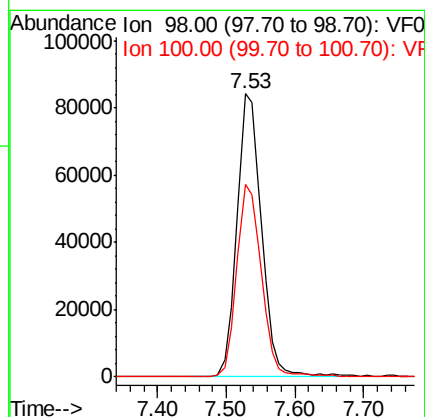
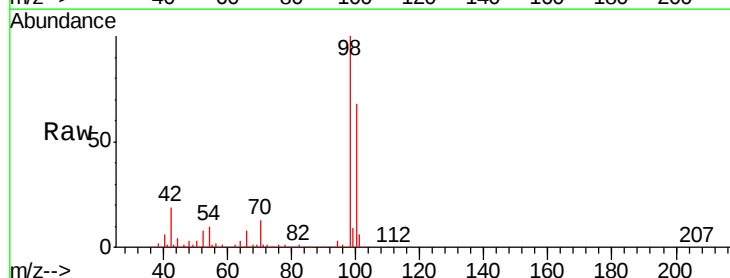
Acq: 14 Nov 2018 19:24

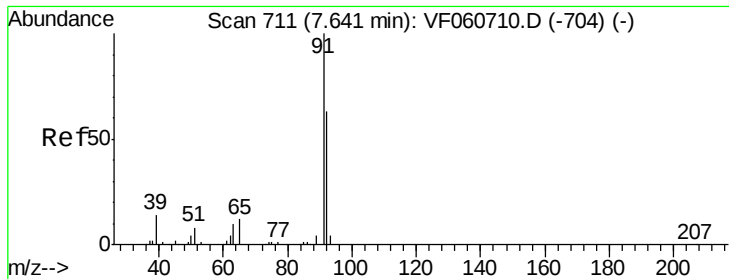
Tgt Ion: 98 Resp: 208183

Ion Ratio Lower Upper

98 100

100 68.2 56.5 84.7





#52

Toluene

Concen: 4.71 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

Instrument :

MSVOA_F

ClientSampled :

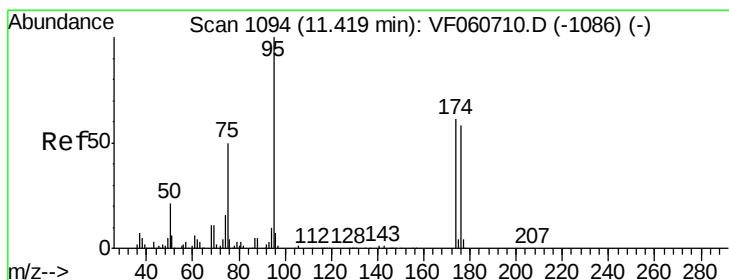
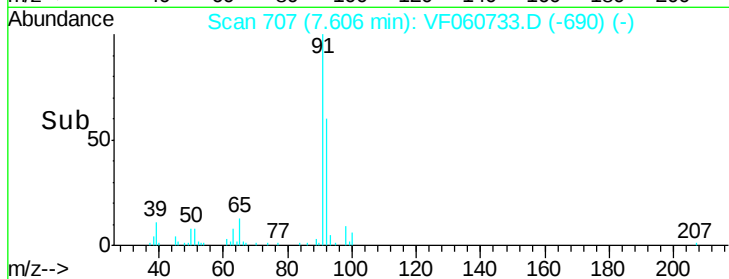
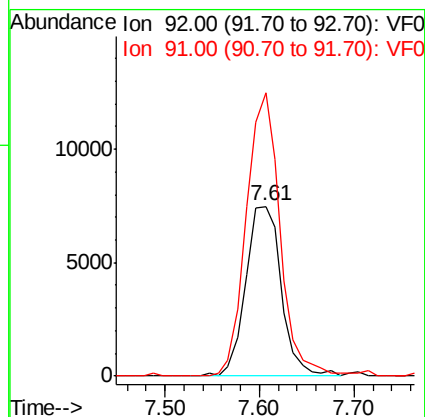
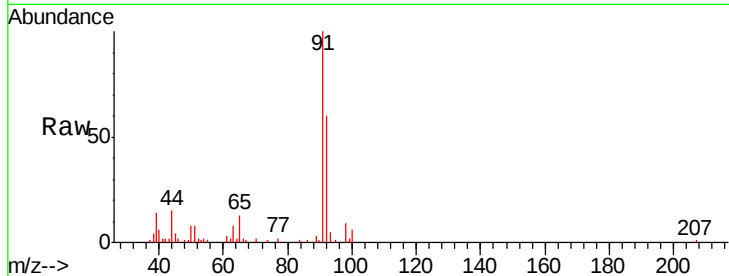
TP-6S1

Tgt Ion: 92 Resp: 19520

Ion Ratio Lower Upper

92 100

91 166.4 126.7 190.1



#62

4-Bromofluorobenzene

Concen: 42.34 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

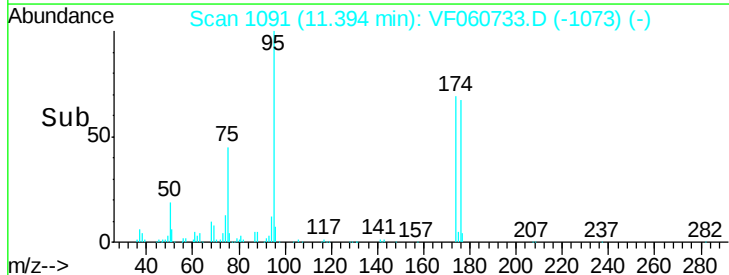
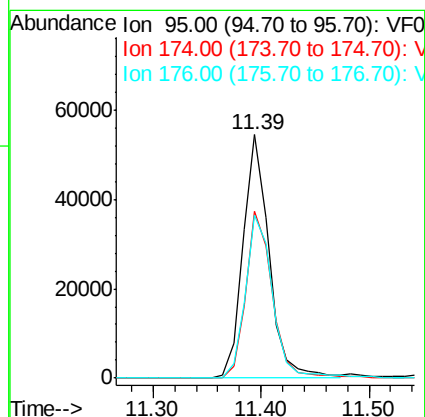
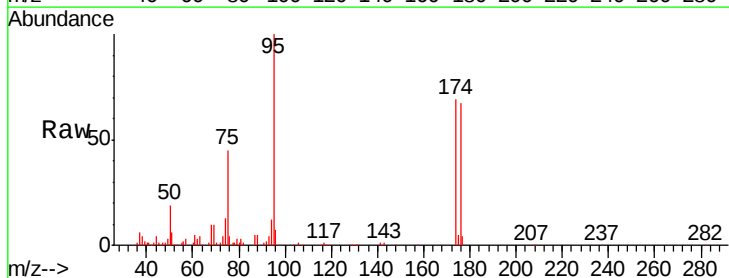
Tgt Ion: 95 Resp: 91438

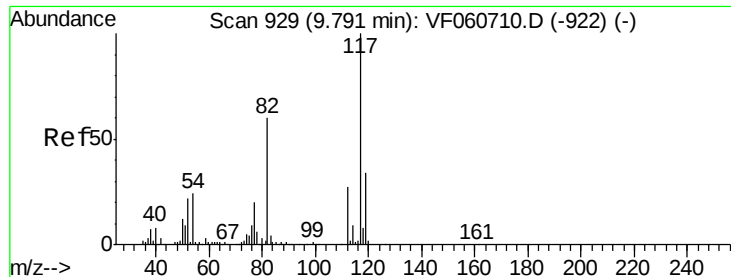
Ion Ratio Lower Upper

95 100

174 68.6 0.0 121.6

176 66.9 0.0 115.2

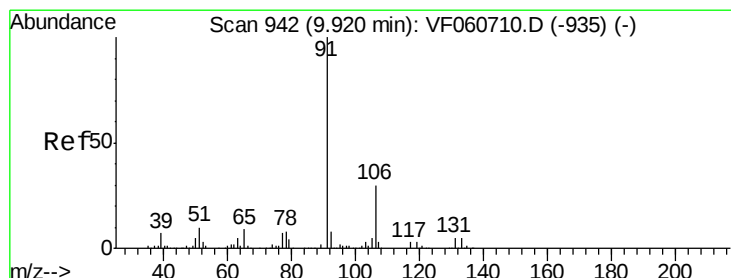
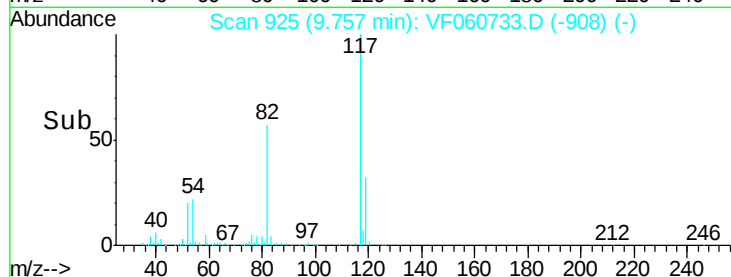
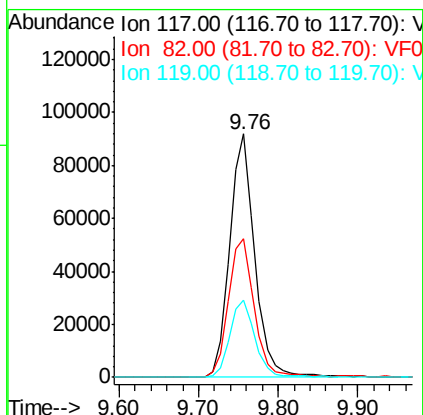
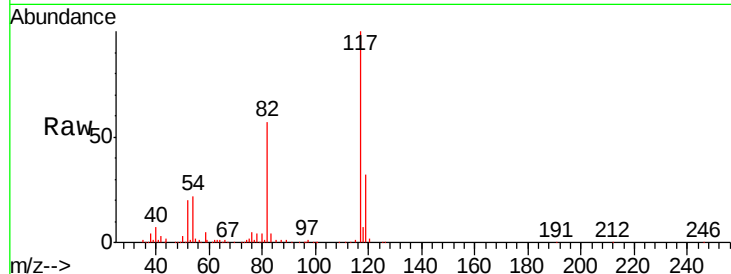




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

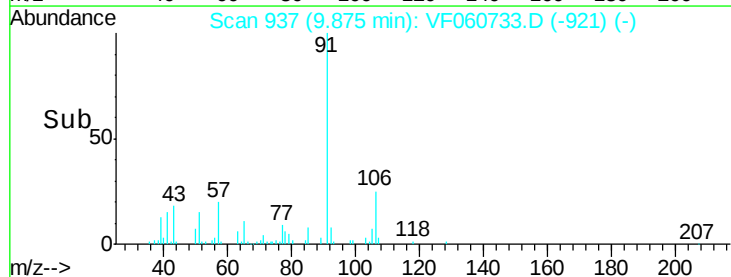
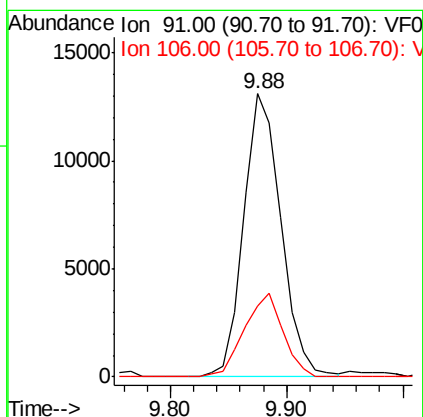
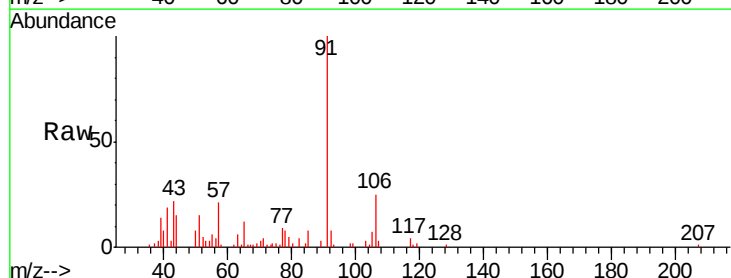
Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

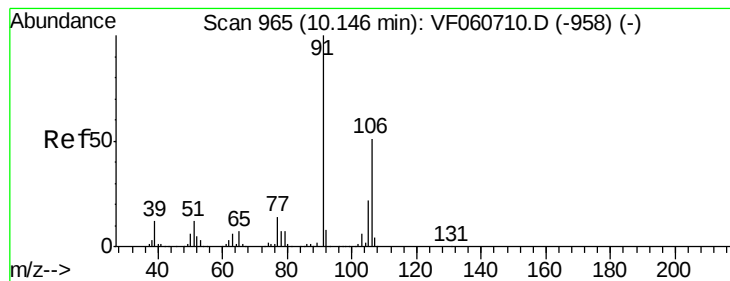
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	47.9	71.9
119	31.9	26.8	40.2



#67
Ethyl Benzene
Concen: 3.76 ug/l
RT: 9.88 min Scan# 937
Delta R.T. -0.04 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.2	23.9	35.9





#68

m/p-Xylenes

Concen: 6.62 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

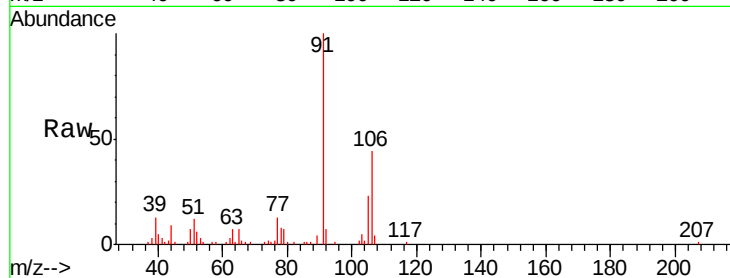
TP-6S1

Tgt Ion:106 Resp: 18316

Ion Ratio Lower Upper

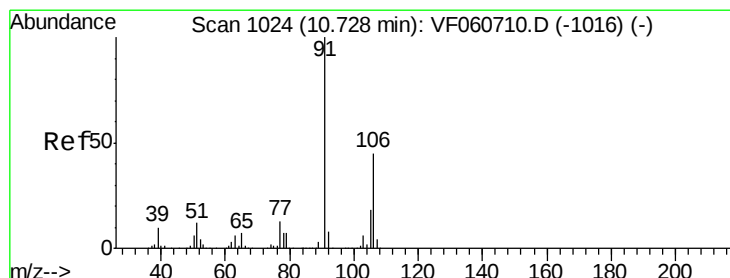
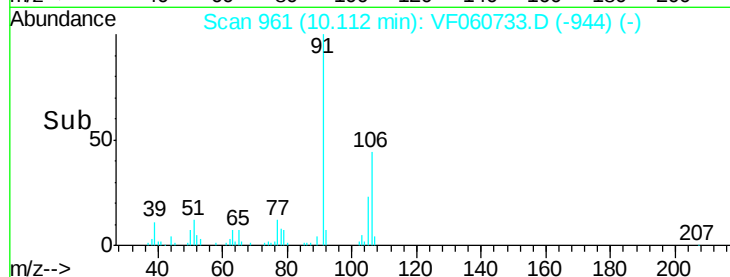
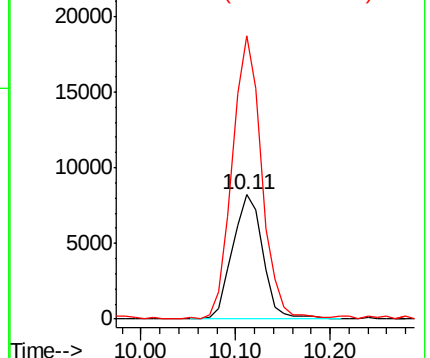
106 100

91 227.6 158.2 237.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 11.63 ug/l

RT: 10.69 min Scan# 1020

Delta R.T. -0.03 min

Lab File: VF060733.D

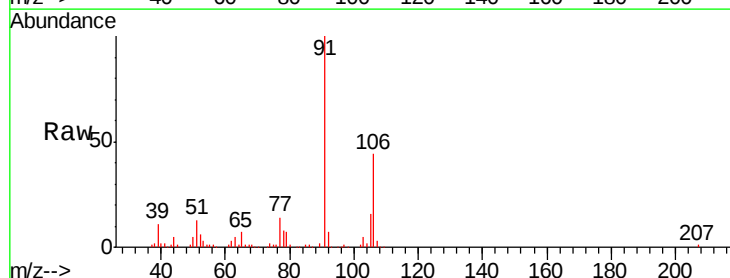
Acq: 14 Nov 2018 19:24

Tgt Ion:106 Resp: 36171

Ion Ratio Lower Upper

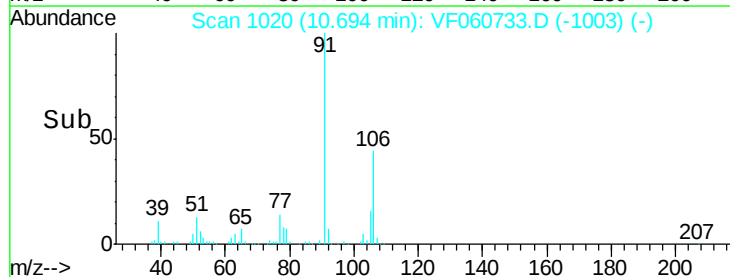
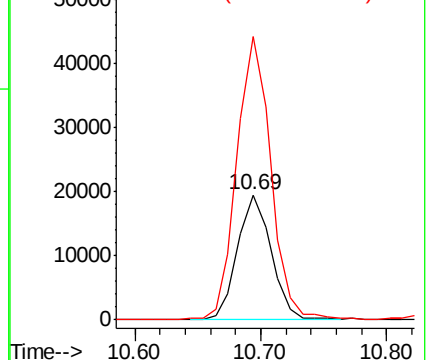
106 100

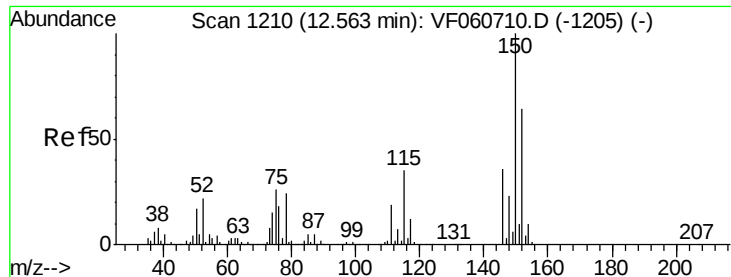
91 226.1 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

TP-6S1

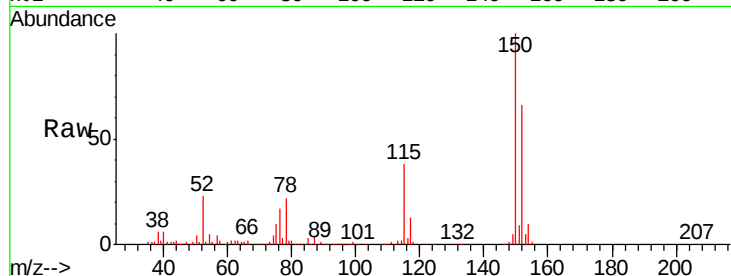
Tgt Ion:152 Resp: 103039

Ion Ratio Lower Upper

152 100

115 57.5 27.9 83.7

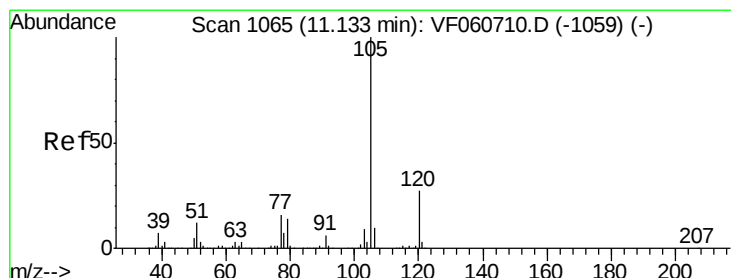
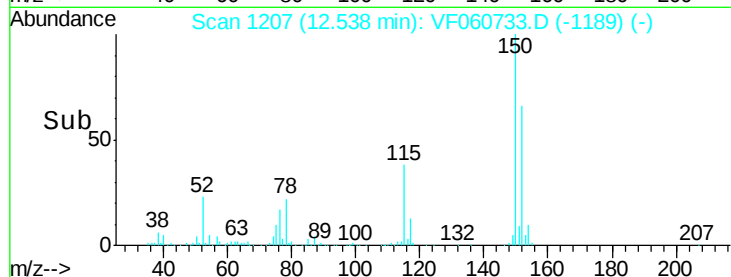
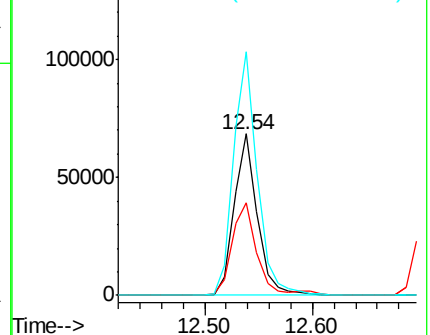
150 150.9 0.0 316.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 1.03 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF060733.D

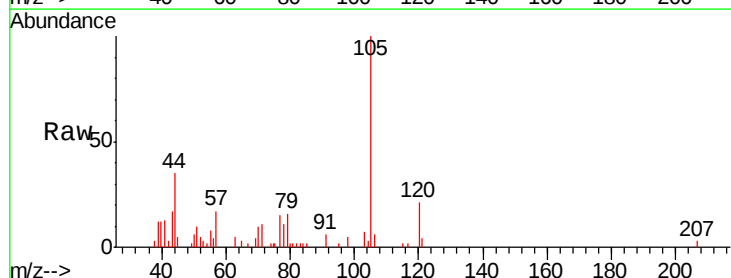
Acq: 14 Nov 2018 19:24

Tgt Ion:105 Resp: 8528

Ion Ratio Lower Upper

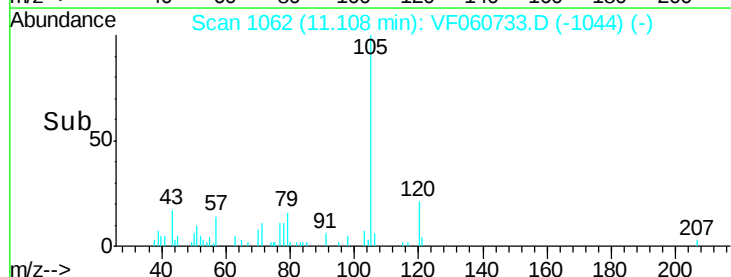
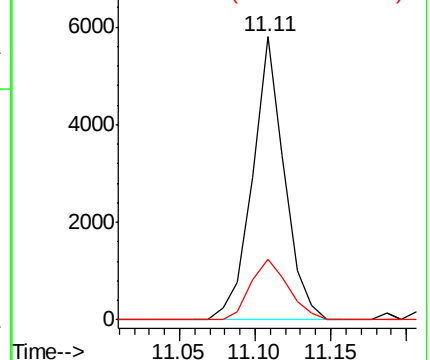
105 100

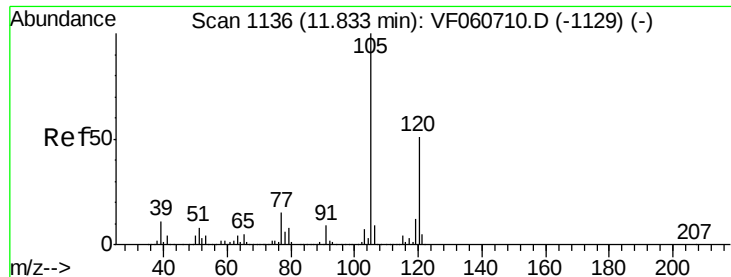
120 21.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 2.39 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF060733.D

Acq: 14 Nov 2018 19:24

Instrument :

MSVOA_F

ClientSampleId :

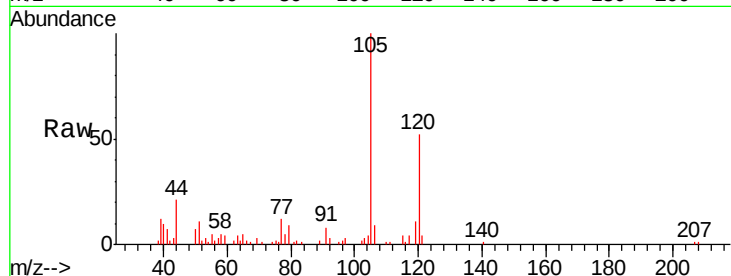
TP-6S1

Tgt Ion:105 Resp: 15717

Ion Ratio Lower Upper

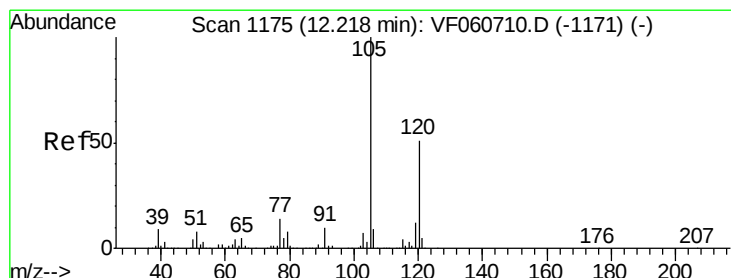
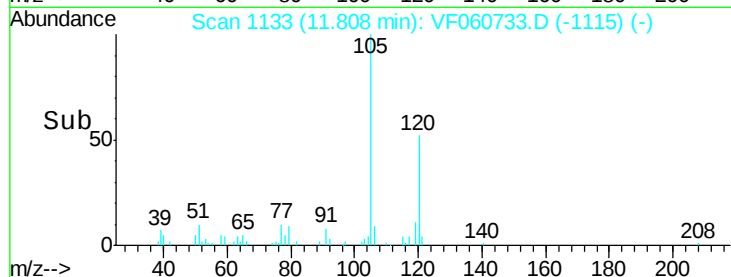
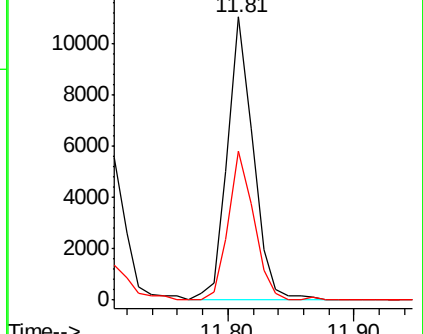
105 100

120 52.4 25.6 76.8



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: 13.13 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF060733.D

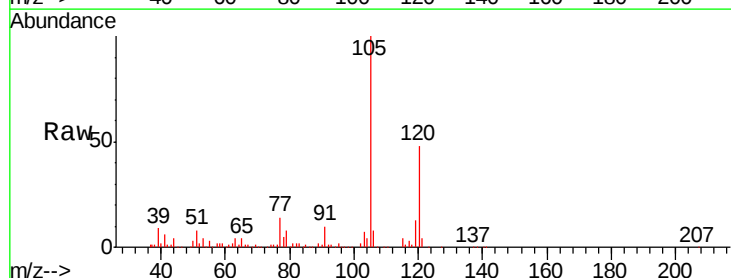
Acq: 14 Nov 2018 19:24

Tgt Ion:105 Resp: 89416

Ion Ratio Lower Upper

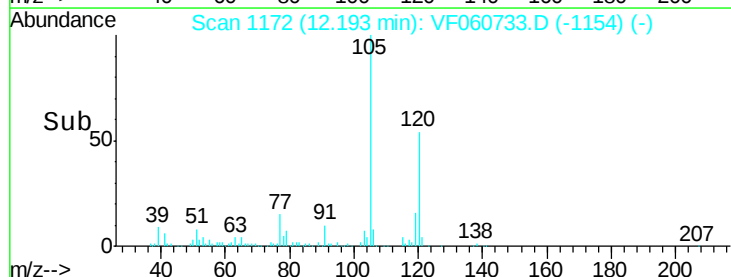
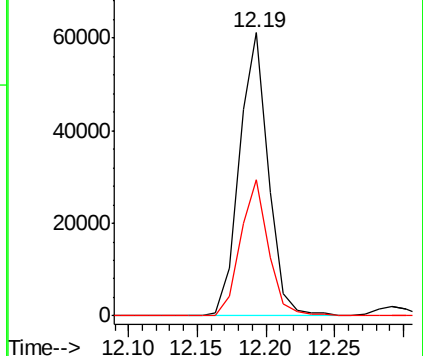
105 100

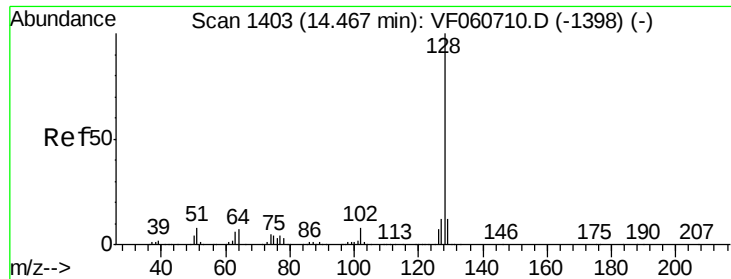
120 48.3 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 91.13 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF060733.D
Acq: 14 Nov 2018 19:24

Instrument :
MSVOA_F
ClientSampleId :
TP-6S1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	10.2	9.3	13.9

