

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060048.D
 Acq On : 23 Aug 2018 12:46
 Operator : VA/AP
 Sample : VF0823SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 23 15:21:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	225230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	348332	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	372314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	224687	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	154573	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	4.30	113	142538	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
50) Toluene-d8	7.71	98	379258	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.52	95	206966	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	

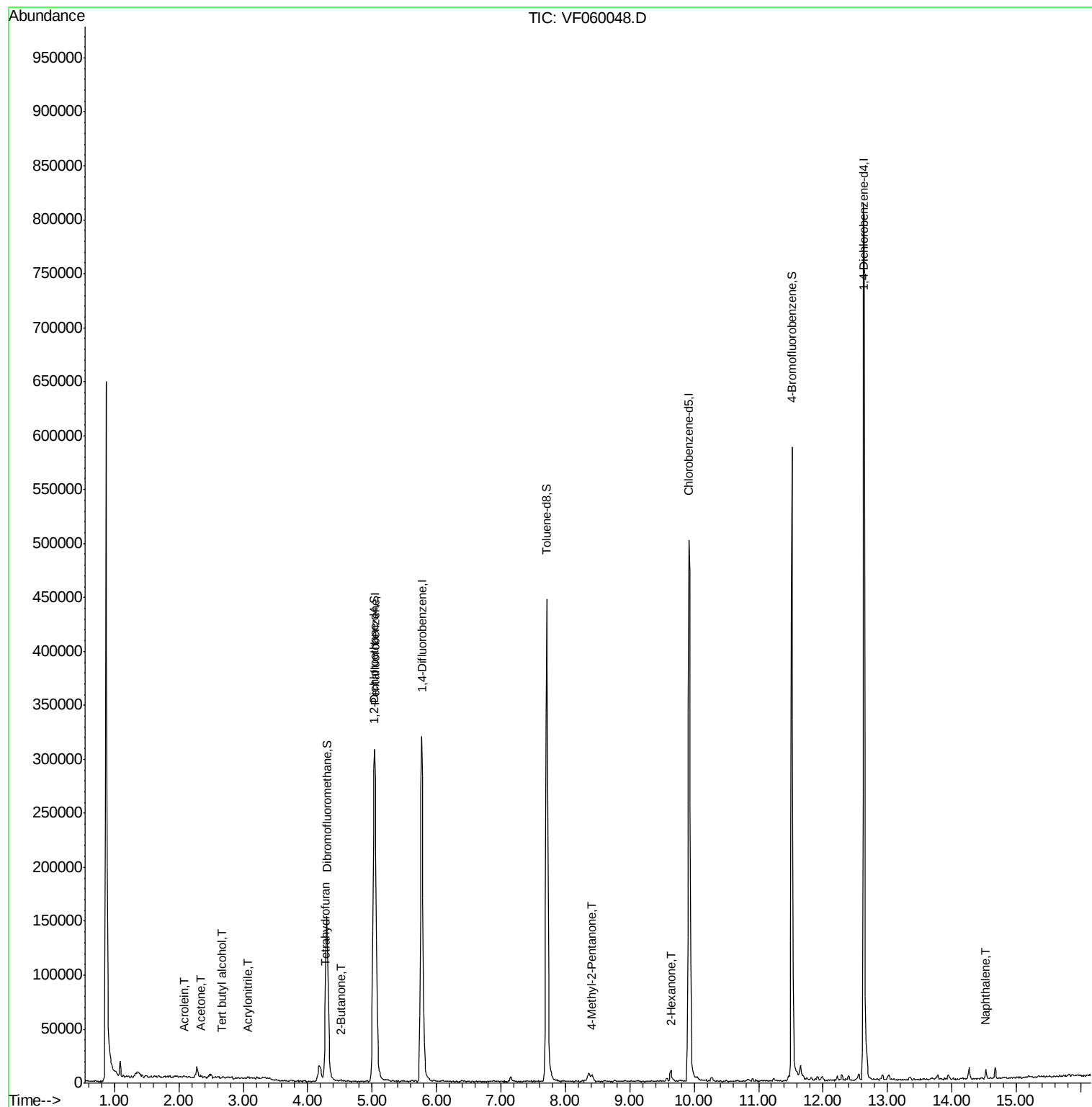
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1959	Below Cal	#	65
11) Tert butyl alcohol	2.66	59	451	2.750	ug/l #	80
13) Acrolein	2.09	56	279	28.815	ug/l #	8
15) Acrylonitrile	3.08	53	572	1.768	ug/l #	84
16) Acetone	2.33	43	1876	2.316	ug/l #	87
18) Methyl Acetate	2.45	43	996	Below Cal	#	60
20) Methylene Chloride	2.28	84	3930	Below Cal		86
25) 2-Butanone	4.52	43	1598	1.519	ug/l	98
29) Tetrahydrofuran	4.26	42	1485	3.738	ug/l #	61
51) 4-Methyl-2-Pentanone	8.42	43	5941	2.792	ug/l	90
52) Toluene	7.77	92	582	Below Cal		82
59) 2-Hexanone	9.63	43	9814	5.699	ug/l	92
68) m/p-Xylenes	10.28	106	1372	Below Cal	#	38
95) Naphthalene	14.53	128	6027	2.974	ug/l #	90

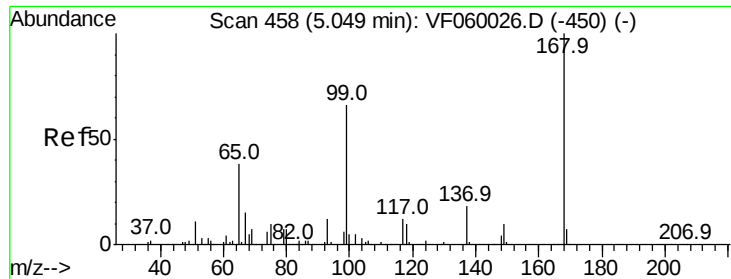
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082318\
Data File : VF060048.D
Acq On : 23 Aug 2018 12:46
Operator : VA/AP
Sample : VF0823SBL01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 23 15:21:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

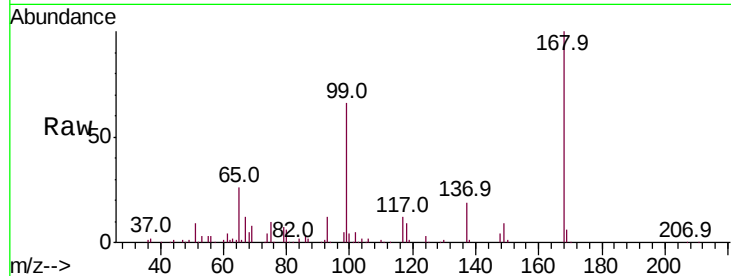
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 225230

Ion Ratio Lower Upper

168 100

99 66.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

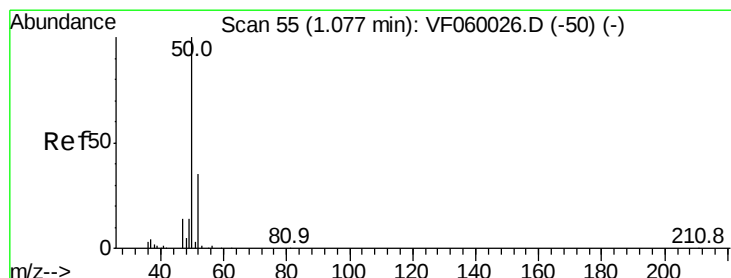
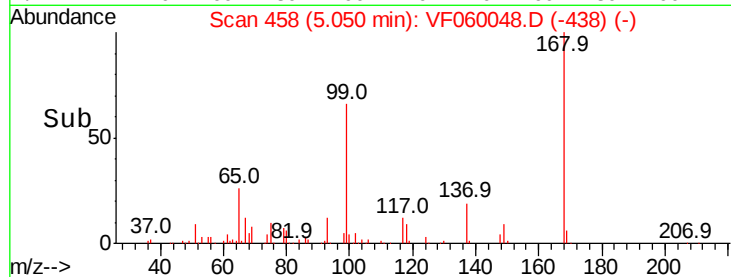
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060048.D

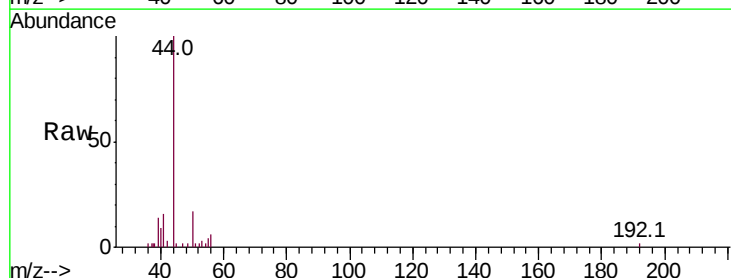
Acq: 23 Aug 2018 12:46

Tgt Ion: 50 Resp: 1959

Ion Ratio Lower Upper

50 100

52 14.3 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

1200

1000

800

600

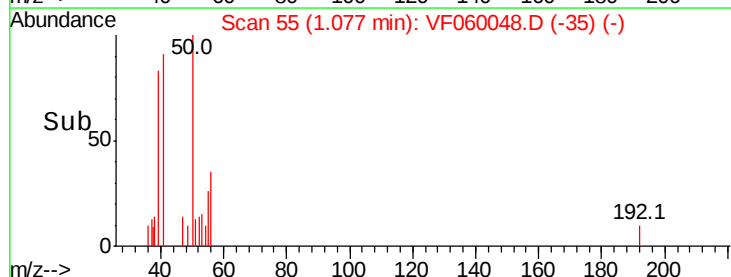
400

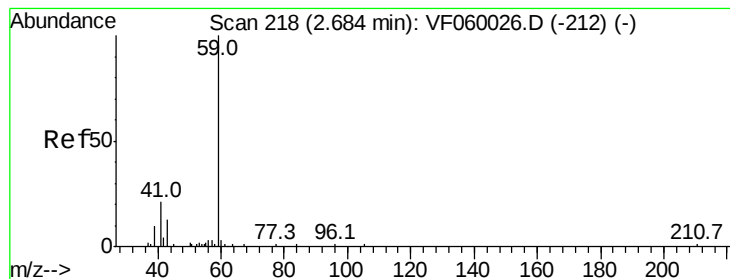
200

0

Time-->

1.05 1.10



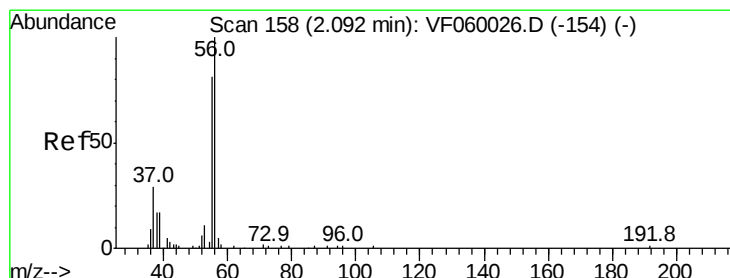
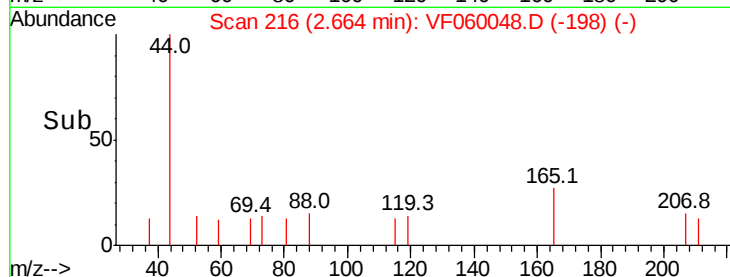
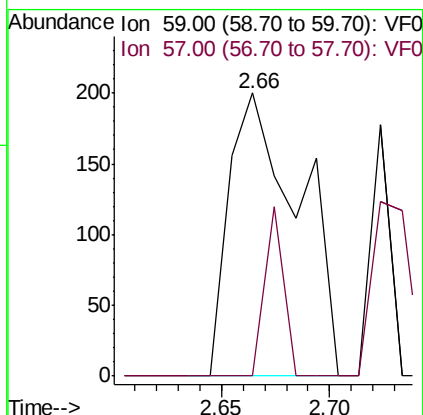
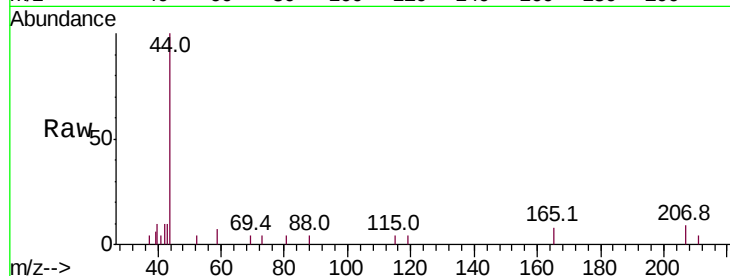


#11

Tert butyl alcohol
 Concen: 2.750 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.02 min
 Lab File: VF060048.D
 Acq: 23 Aug 2018 12:46

Instrument :
 MSVOA_F
 ClientSampled :

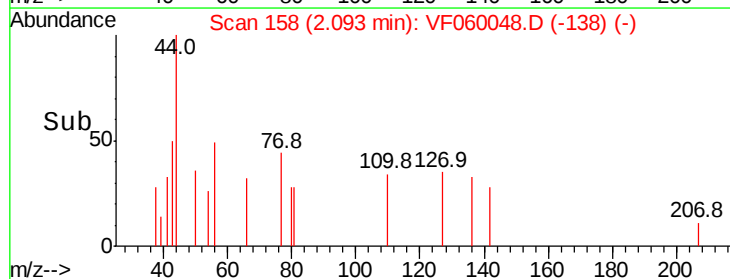
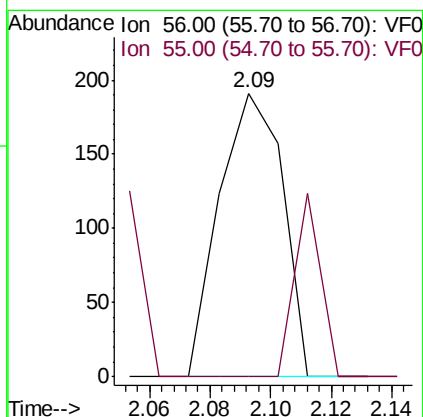
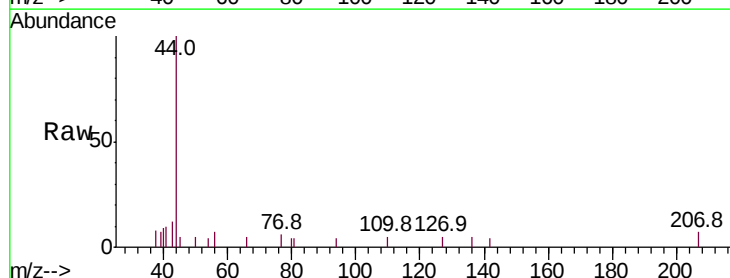
Tot Ion: 59 Resp: 451
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.4 8.2#

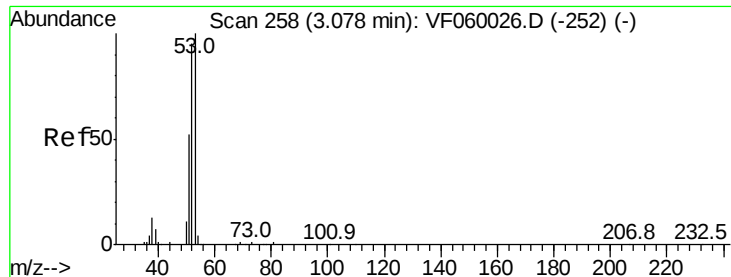


#13

Acrolein
 Concen: 28.815 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VF060048.D
 Acq: 23 Aug 2018 12:46

Tgt Ion: 56 Resp: 279
 Ion Ratio Lower Upper
 56 100
 55 0.0 65.6 98.4#





#15

Acrylonitrile

Concen: 1.768 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

Instrument :
MSVOA_F
ClientSampleId :

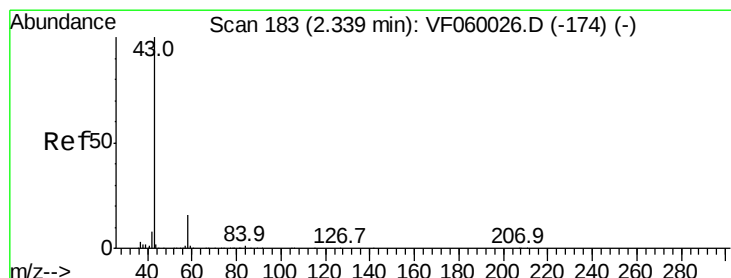
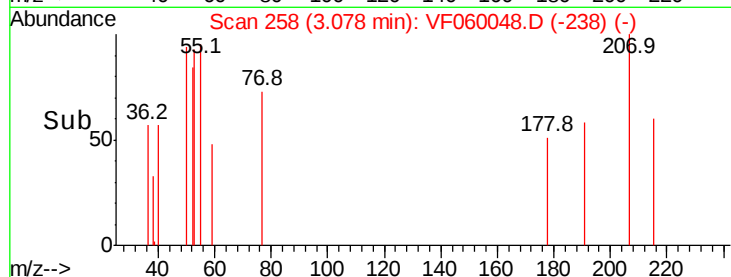
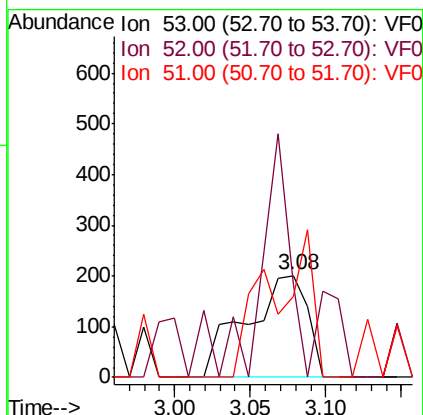
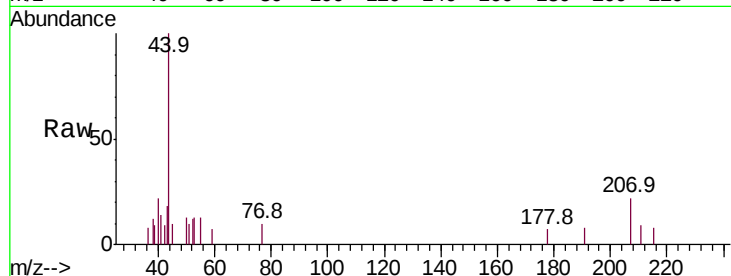
Tot Ion: 53 Resp: 572

Ion Ratio Lower Upper

53 100

52 90.5 75.8 113.8

51 79.1 42.1 63.1#



#16

Acetone

Concen: 2.316 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060048.D

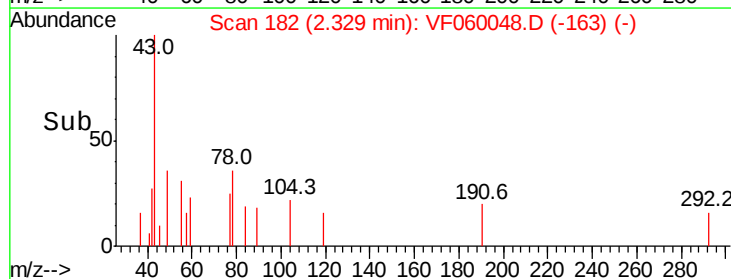
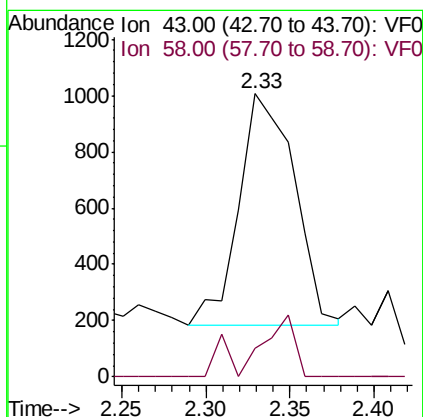
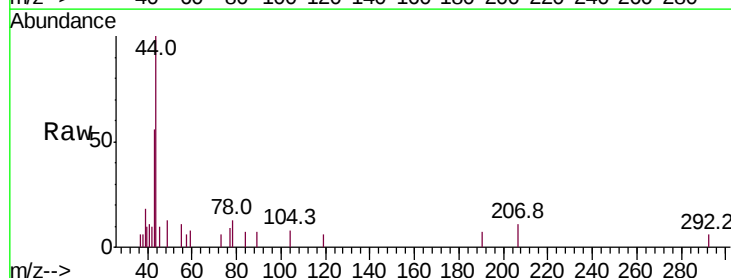
Acq: 23 Aug 2018 12:46

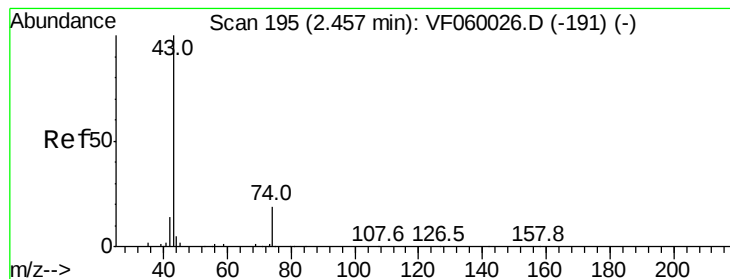
Tgt Ion: 43 Resp: 1876

Ion Ratio Lower Upper

43 100

58 10.2 12.6 19.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 2.45 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

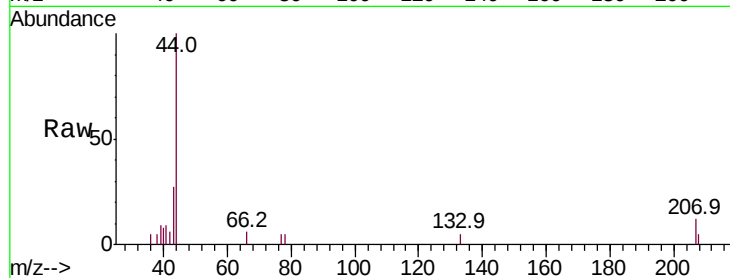
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 996

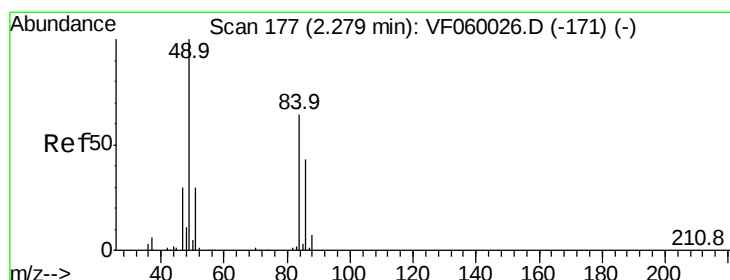
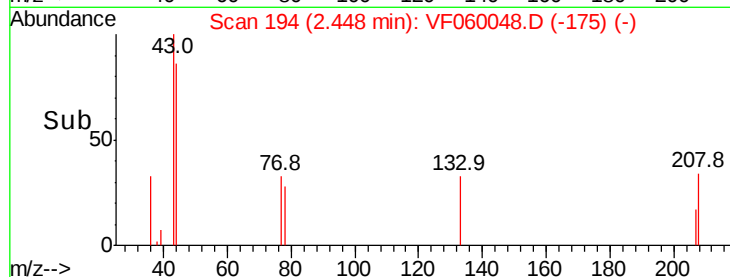
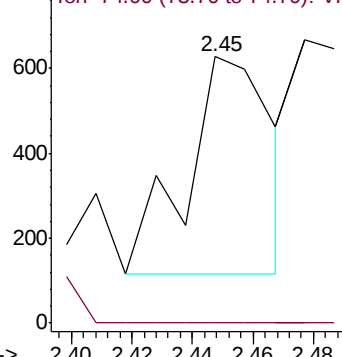
Ion Ratio Lower Upper

43 100

74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

Tgt Ion: 84 Resp: 3930

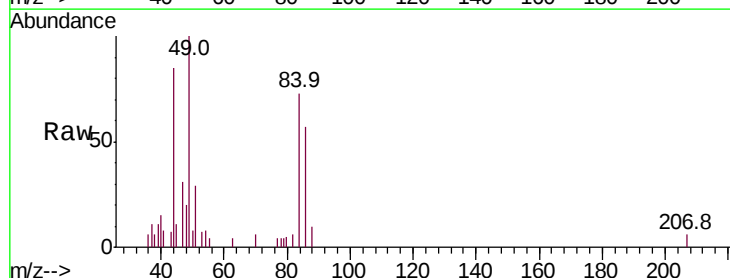
Ion Ratio Lower Upper

84 100

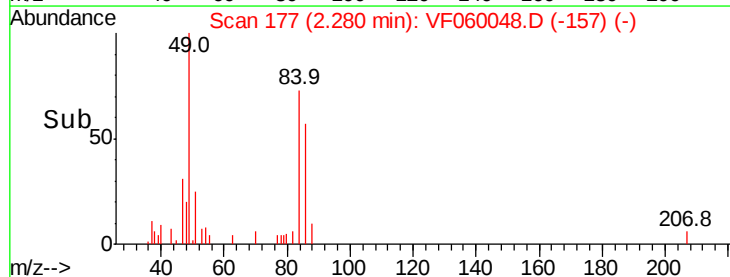
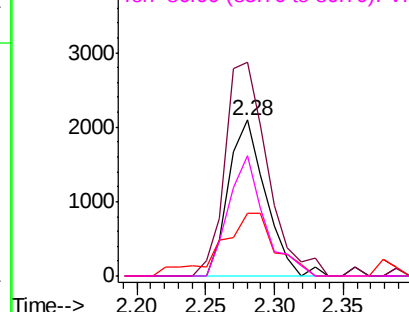
49 137.1 125.4 188.0

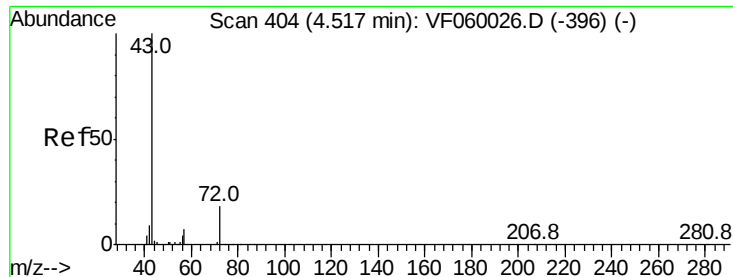
51 40.1 38.3 57.5

86 77.6 53.3 79.9



Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.519 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

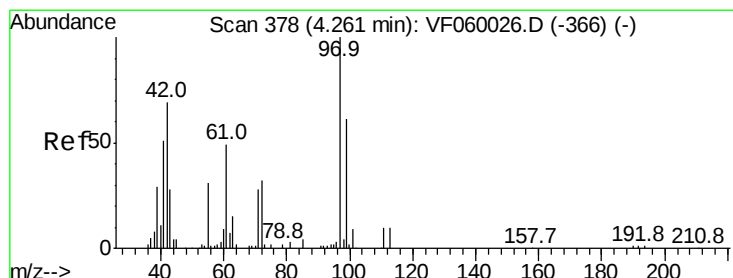
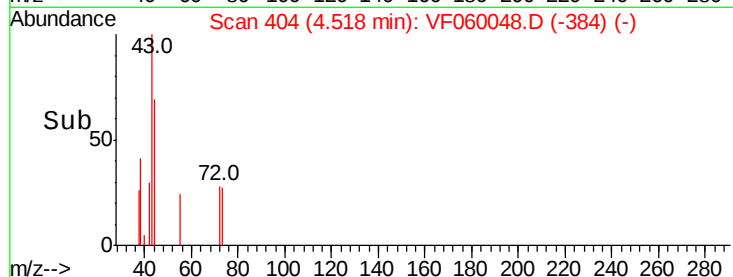
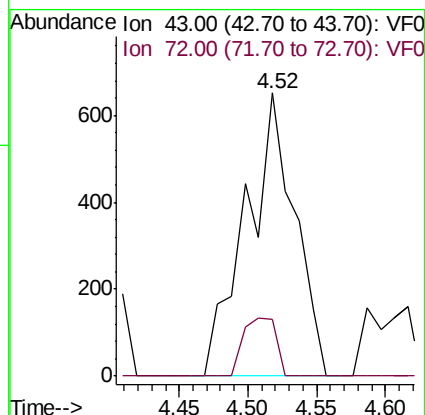
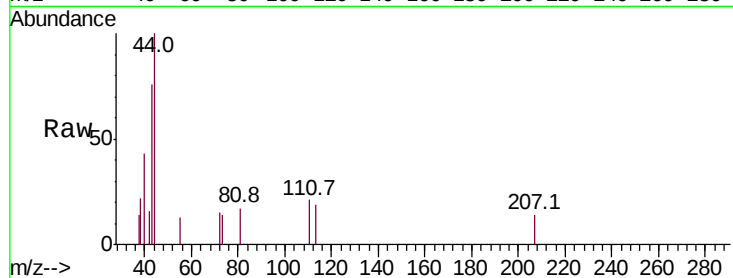
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1598

Ion Ratio Lower Upper

43 100

72 19.8 15.0 22.6



#29

Tetrahydrofuran

Concen: 3.738 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

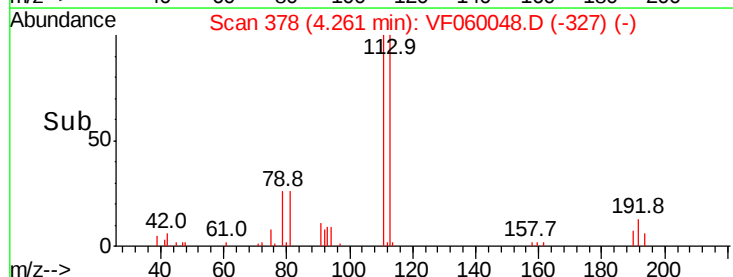
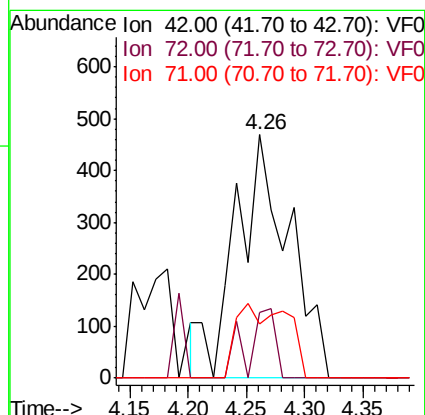
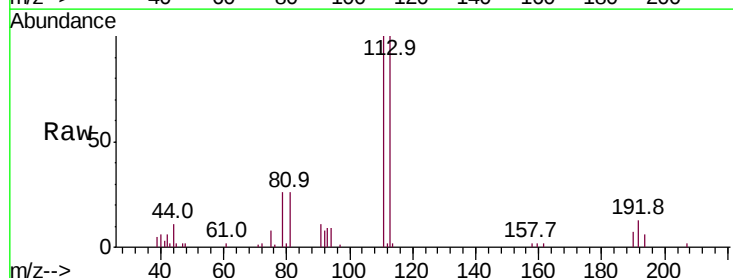
Tgt Ion: 42 Resp: 1485

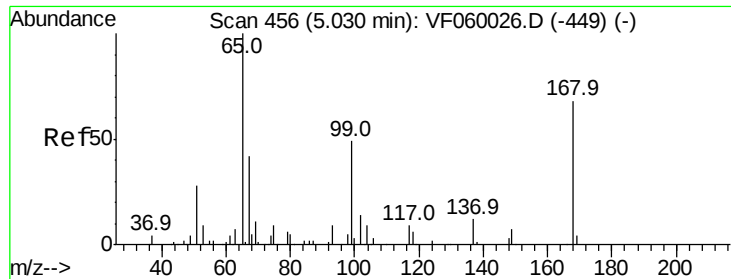
Ion Ratio Lower Upper

42 100

72 14.7 31.4 47.2#

71 14.5 29.7 44.5#





#33

1,2-Dichloroethane-d4

Concen: 50.145 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

Instrument :

MSVOA_F

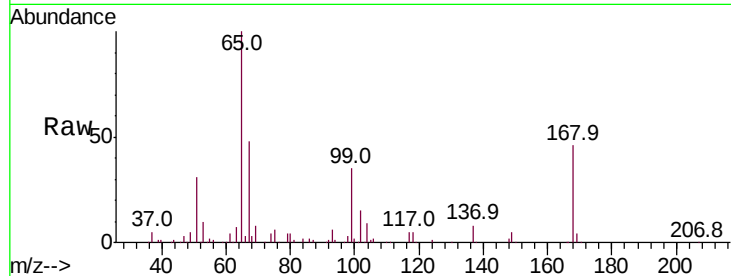
ClientSampled :

Tot Ion: 65 Resp: 154573

Ion Ratio Lower Upper

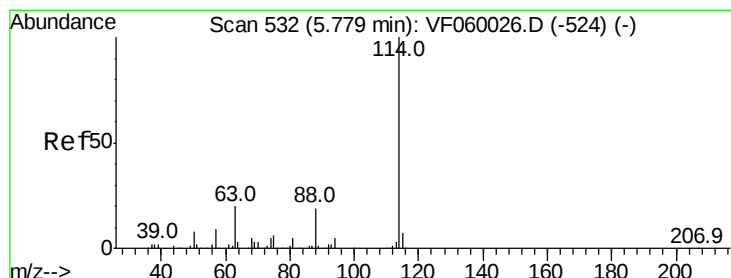
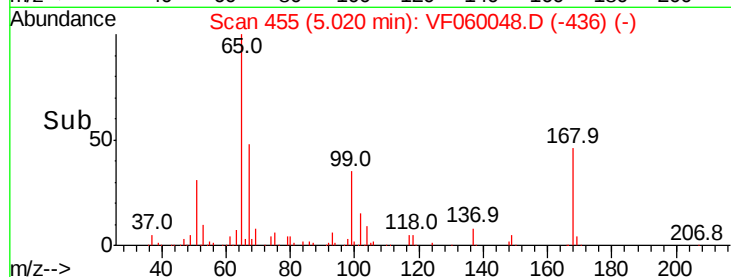
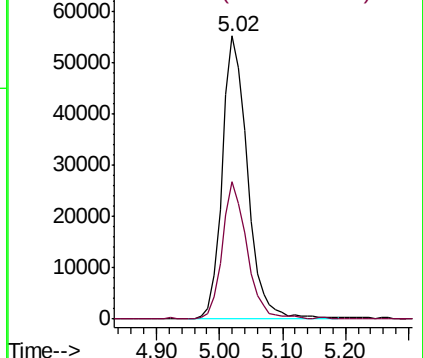
65 100

67 48.4 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

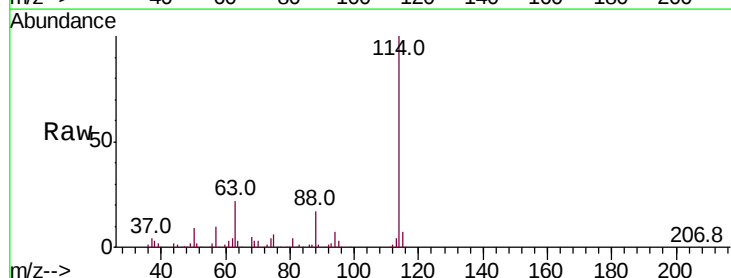
Tgt Ion: 114 Resp: 348332

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.4

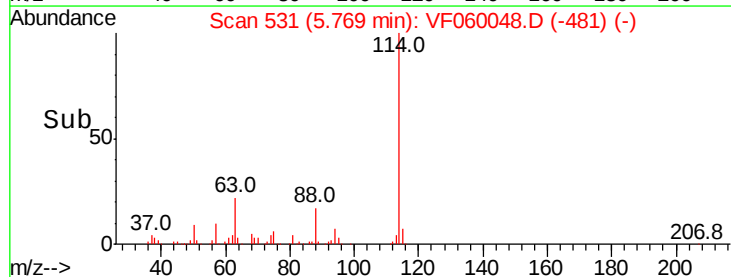
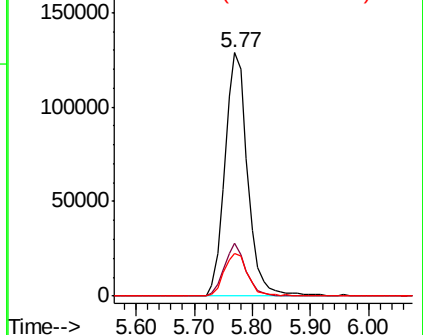
88 17.3 0.0 38.6

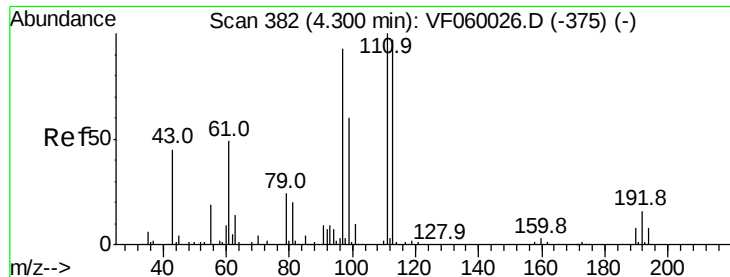


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 52.111 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

Instrument :
MSVOA_F
ClientSampleId :

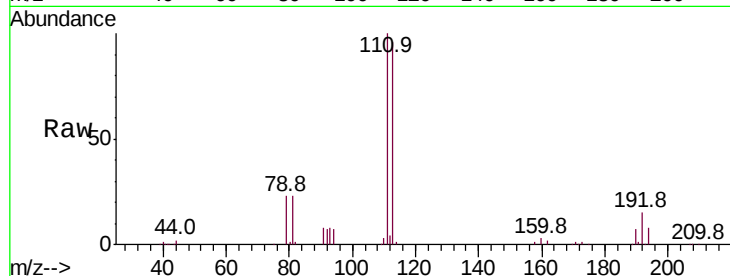
Tot Ion:113 Resp: 142538

Ion Ratio Lower Upper

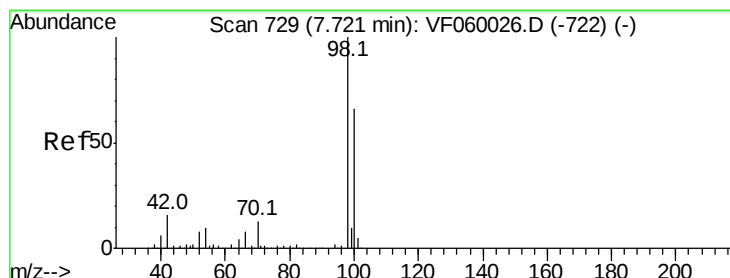
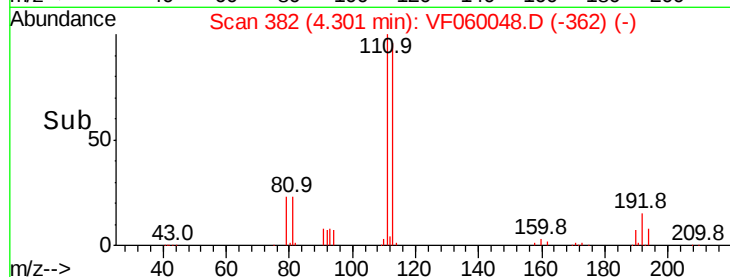
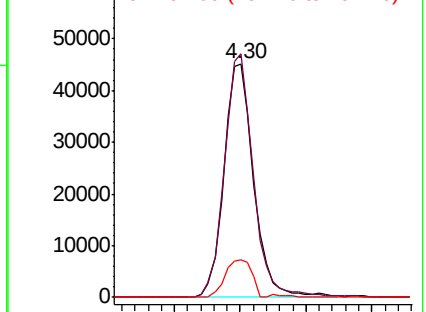
113 100

111 104.2 82.7 124.1

192 15.9 13.0 19.4



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 48.822 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060048.D

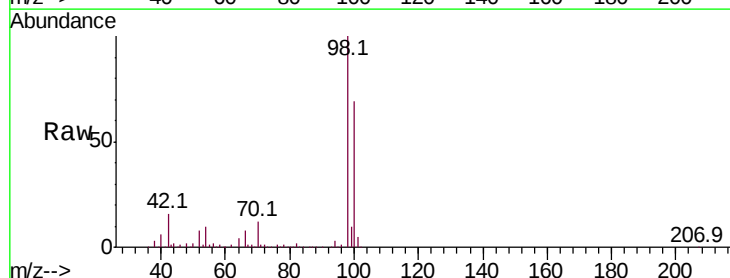
Acq: 23 Aug 2018 12:46

Tgt Ion: 98 Resp: 379258

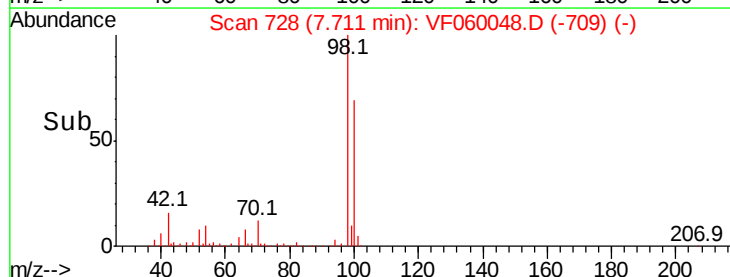
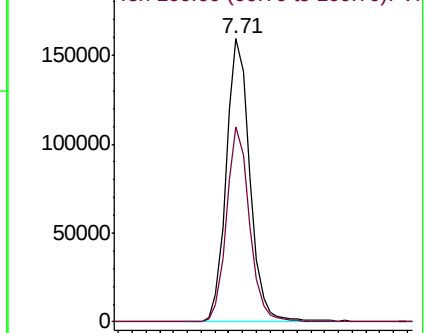
Ion Ratio Lower Upper

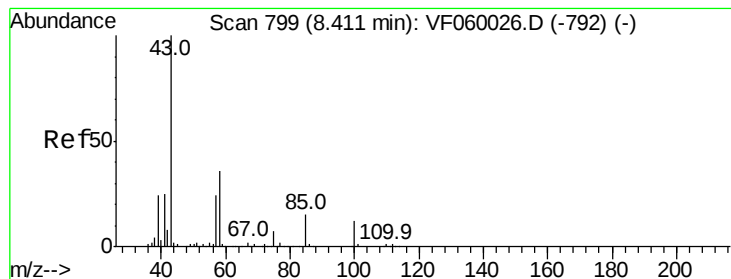
98 100

100 69.1 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#51

4-Methyl-2-Pentanone

Concen: 2.792 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF060048.D

Acq: 23 Aug 2018 12:46

Instrument :

MSVOA_F

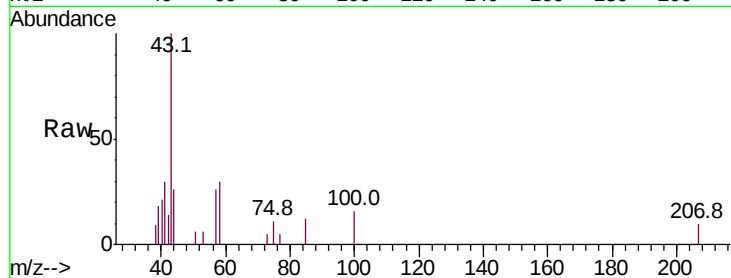
ClientSampled :

Tot Ion: 43 Resp: 5941

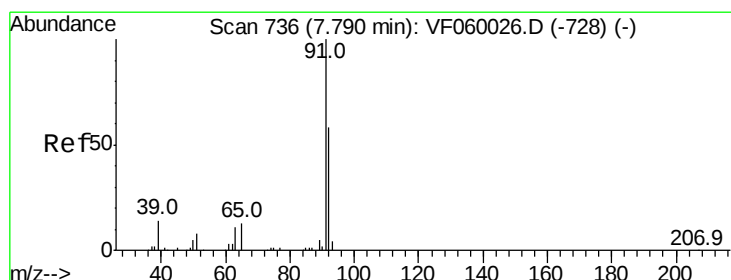
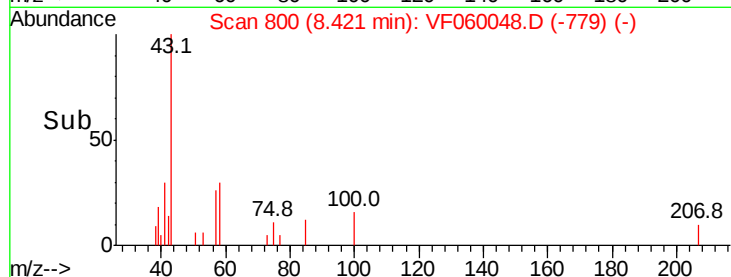
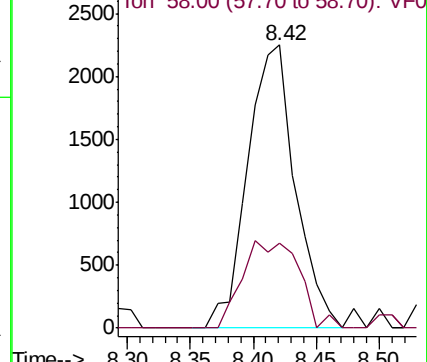
Ion Ratio Lower Upper

43 100

58 30.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060048.D

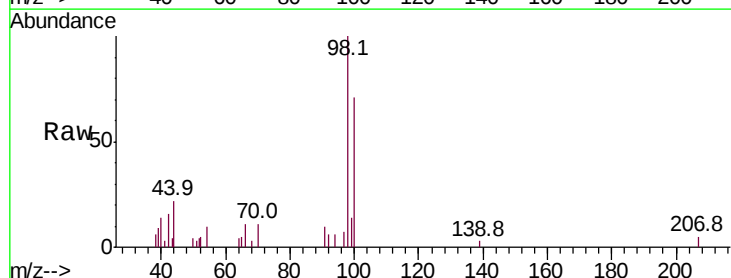
Acq: 23 Aug 2018 12:46

Tgt Ion: 92 Resp: 582

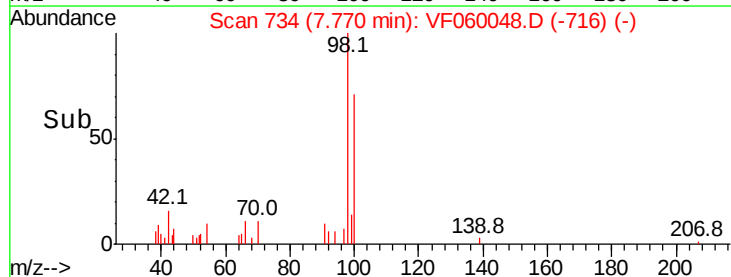
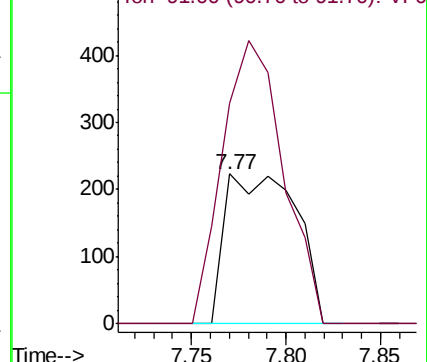
Ion Ratio Lower Upper

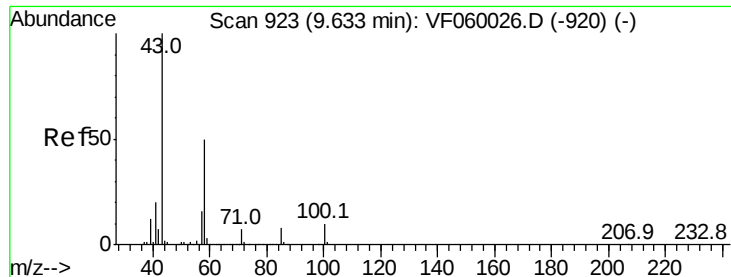
92 100

91 147.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

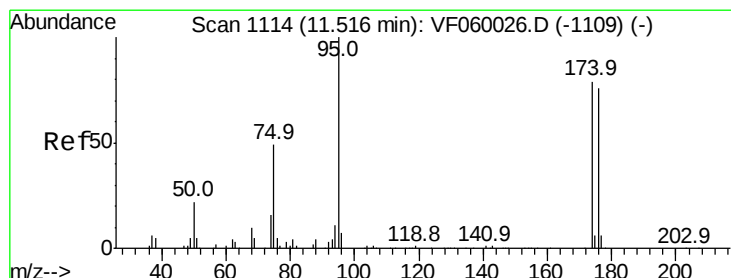
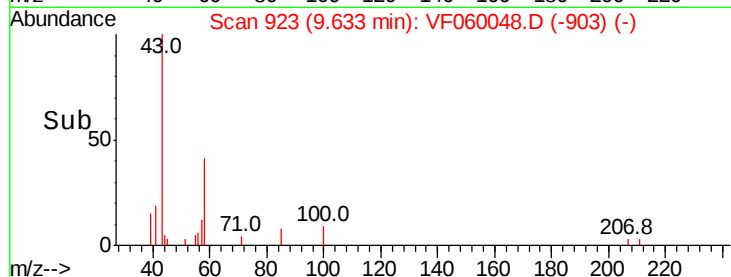
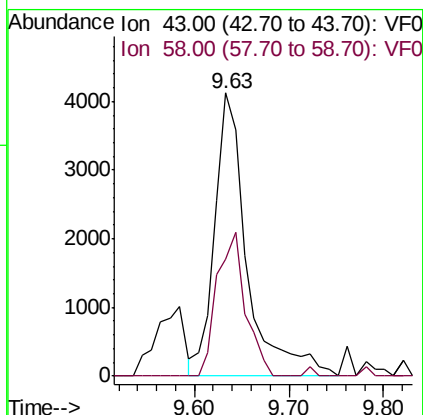
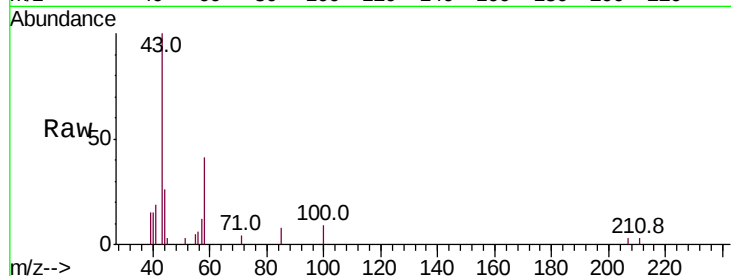




#59
2-Hexanone
Concen: 5.699 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF060048.D
Acq: 23 Aug 2018 12:46

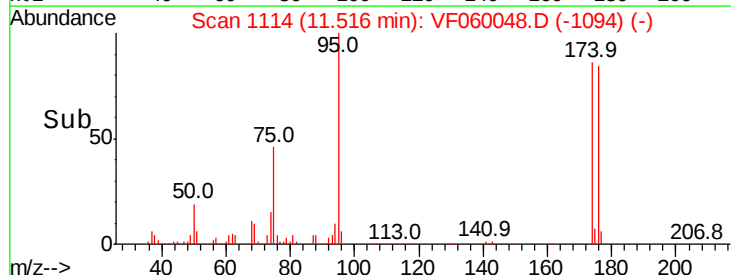
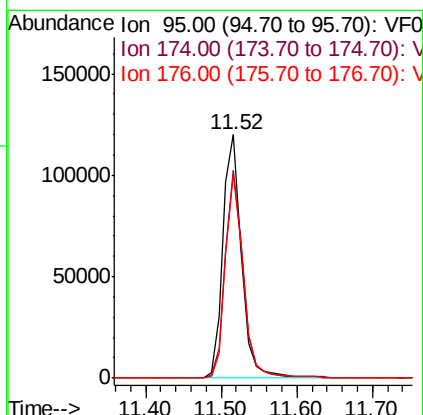
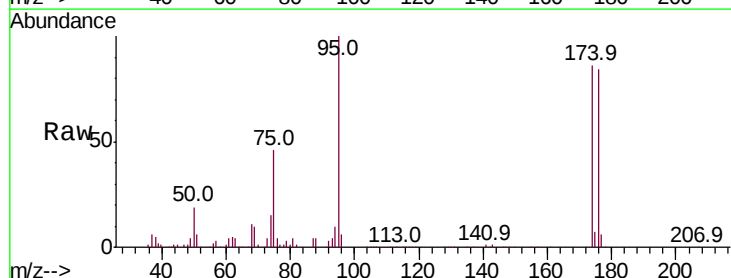
Instrument :
MSVOA_F
ClientSampleId :

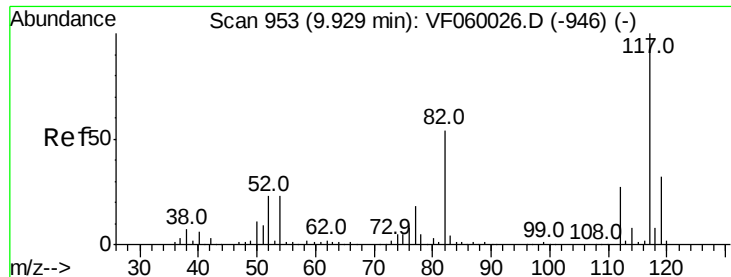
Tot Ion: 43 Resp: 9814
Ion Ratio Lower Upper
43 100
58 41.5 23.4 70.2



#62
4-Bromofluorobenzene
Concen: 50.364 ug/l
RT: 11.52 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF060048.D
Acq: 23 Aug 2018 12:46

Tgt Ion: 95 Resp: 206966
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.4
176 83.8 0.0 153.0

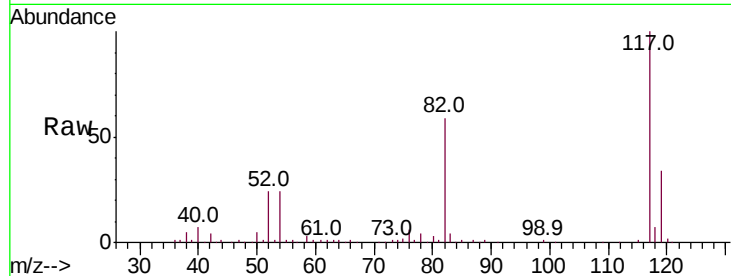




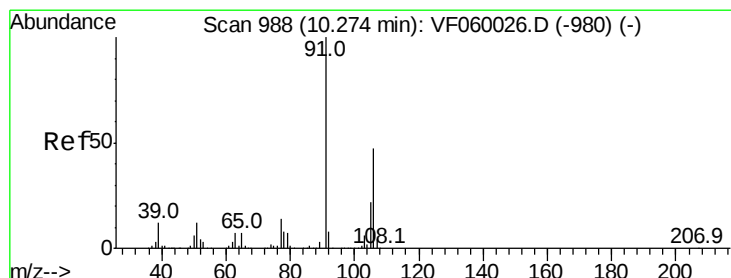
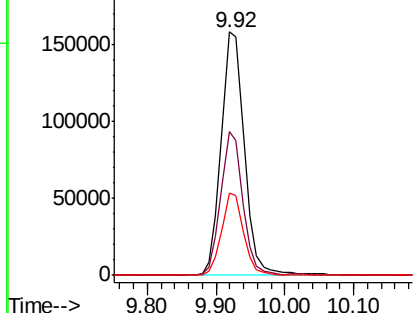
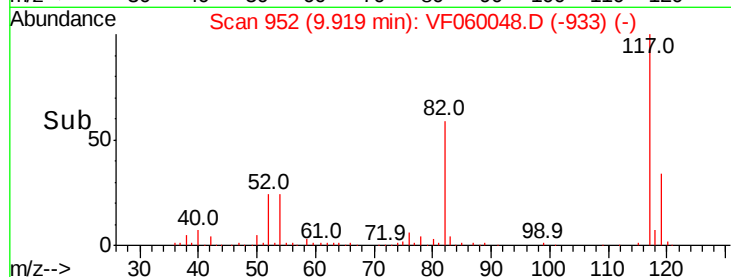
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060048.D
Acq: 23 Aug 2018 12:46

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 372314
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 33.7 25.6 38.4

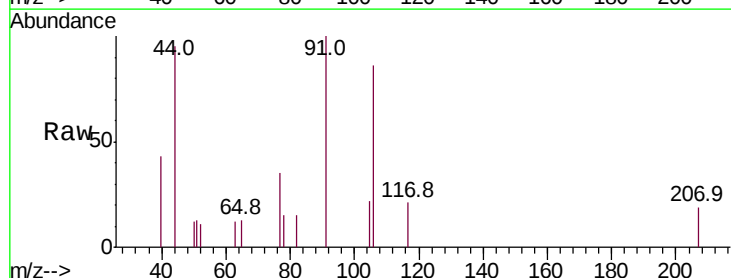


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

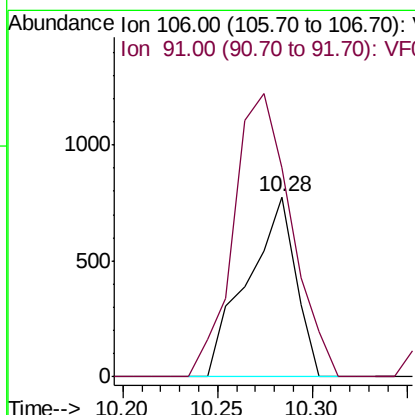
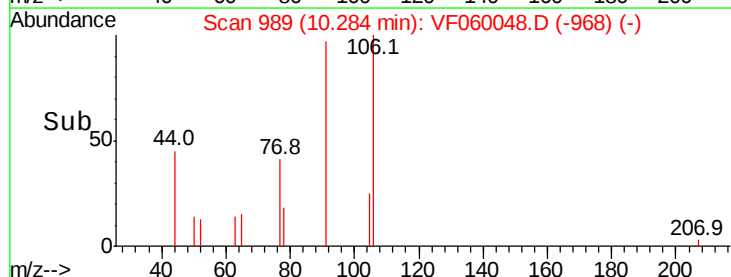


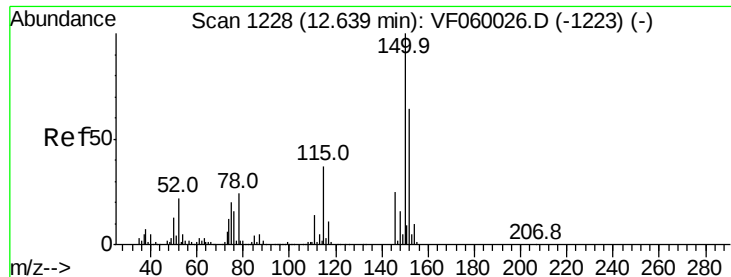
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF060048.D
Acq: 23 Aug 2018 12:46

Tgt Ion:106 Resp: 1372
Ion Ratio Lower Upper
106 100
91 116.6 171.8 257.8#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

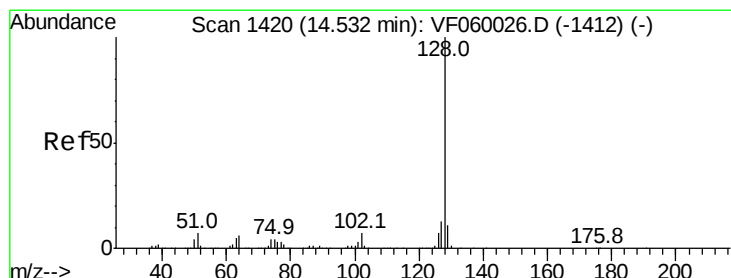
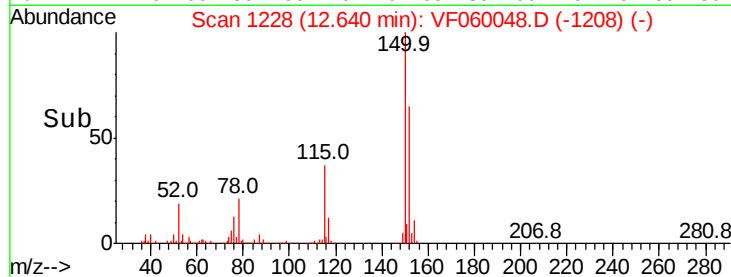
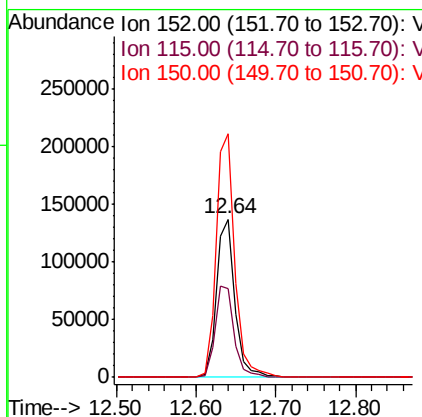
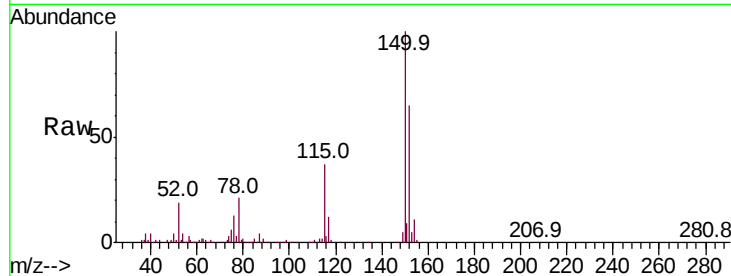




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF060048.D
 Acq: 23 Aug 2018 12:46

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:152 Resp: 224687
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.6 85.9
 150 153.8 0.0 312.0



#95
 Naphthalene
 Concen: 2.974 ug/l
 RT: 14.53 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VF060048.D
 Acq: 23 Aug 2018 12:46

Tgt Ion:128 Resp: 6027
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.4 15.6
 129 19.1 8.5 12.7#

