

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062094.D
 Acq On : 22 Mar 2019 23:08
 Operator : VA/AP
 Sample : VF0322SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0322SBL02

Quant Time: Mar 23 04:16:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	283629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	423671	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	362287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	201067	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	98895	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	4.14	113	142362	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	7.58	98	386792	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
62) 4-Bromofluorobenzene	11.43	95	159306	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	

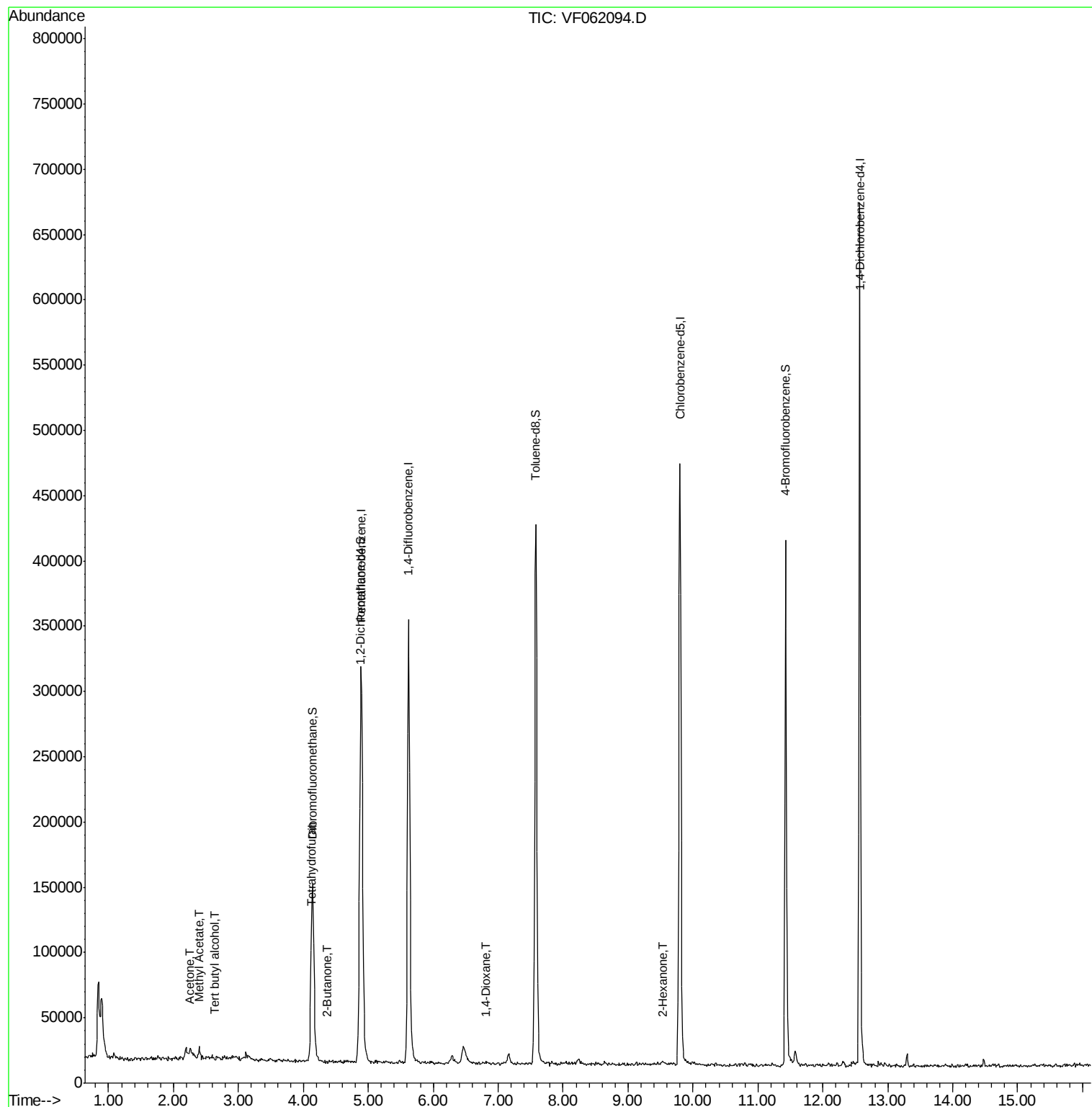
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.64	59	130	1.120	ug/l #	66
16) Acetone	2.26	43	1154	2.599	ug/l #	81
18) Methyl Acetate	2.39	43	3151	2.975	ug/l #	68
20) Methylene Chloride	2.19	84	3491	Below Cal	#	76
25) 2-Butanone	4.38	43	950	1.025	ug/l #	55
29) Tetrahydrofuran	4.11	42	802	1.990	ug/l #	33
49) 1,4-Dioxane	6.81	88	64	5.998	ug/l #	6
59) 2-Hexanone	9.52	43	2020	1.928	ug/l	80

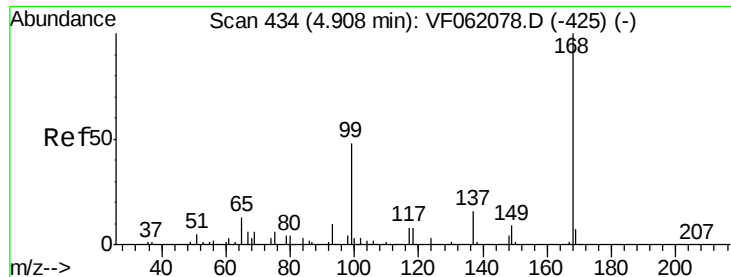
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
Data File : VF062094.D
Acq On : 22 Mar 2019 23:08
Operator : VA/AP
Sample : VF0322SBL01
Misc : 5.00µg/5mL/MSVOA-F/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBL02

Quant Time: Mar 23 04:16:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062094.D

Acq: 22 Mar 2019 23:08

Instrument :

MSVOA_F

ClientSampleId :

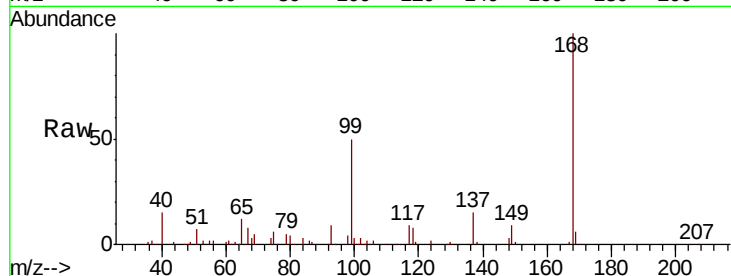
VF0322SBL02

Tot Ion:168 Resp: 283629

Ion Ratio Lower Upper

168 100

99 50.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

100000

80000

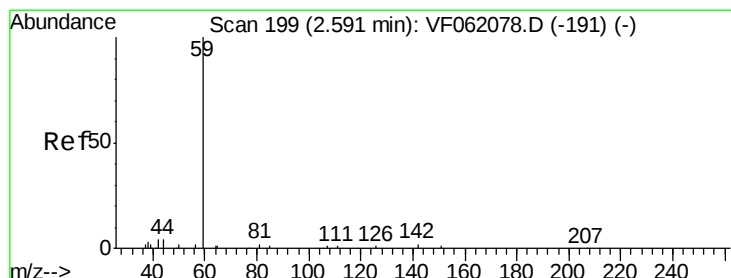
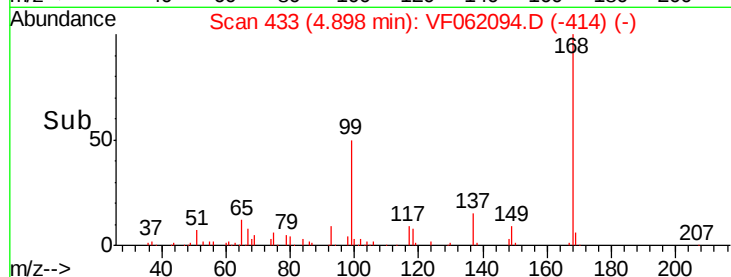
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.120 ug/l

RT: 2.64 min Scan# 204

Delta R.T. 0.05 min

Lab File: VF062094.D

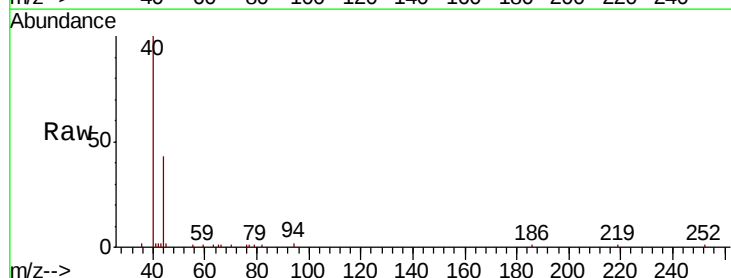
Acq: 22 Mar 2019 23:08

Tgt Ion: 59 Resp: 130

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.64

200

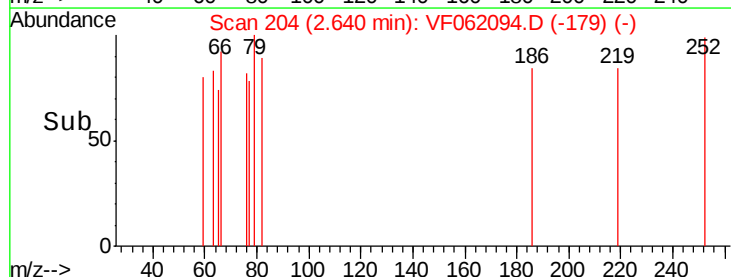
150

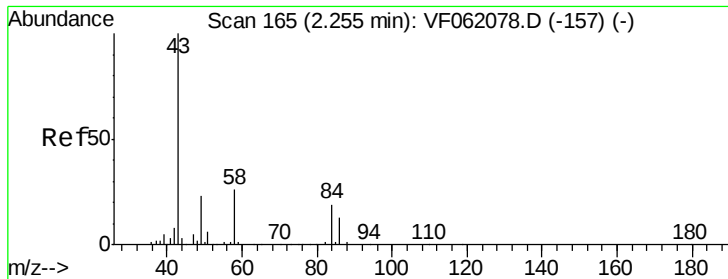
100

50

0

Time--> 2.60 2.65 2.70

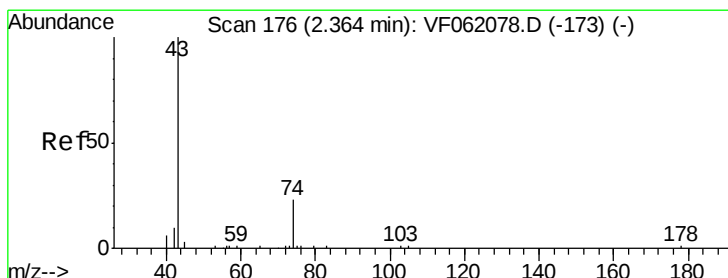
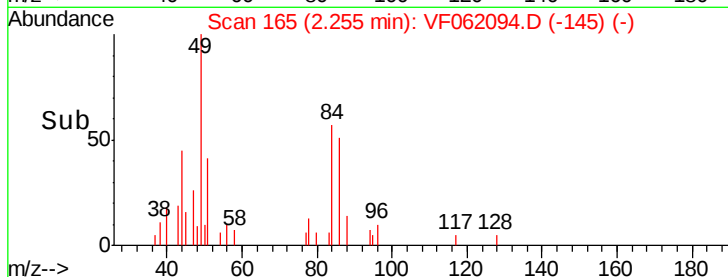
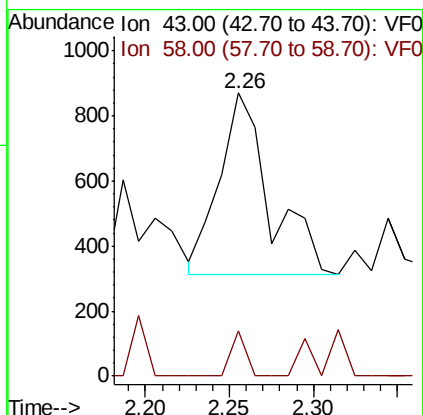
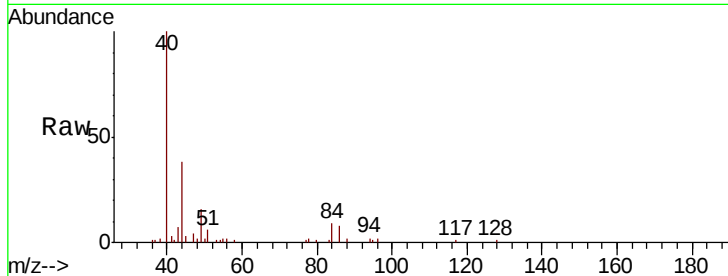




#16
Acetone
Concen: 2.599 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

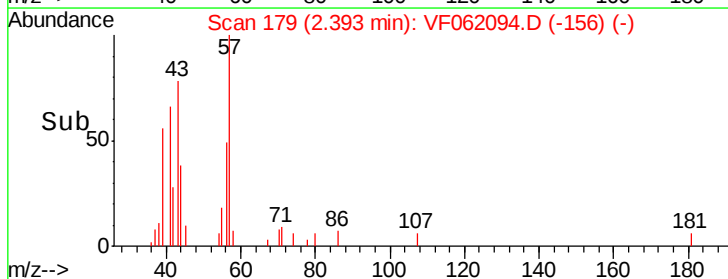
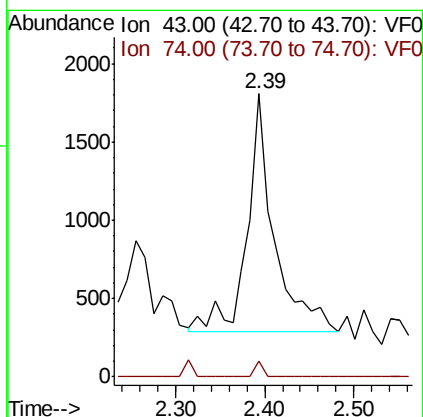
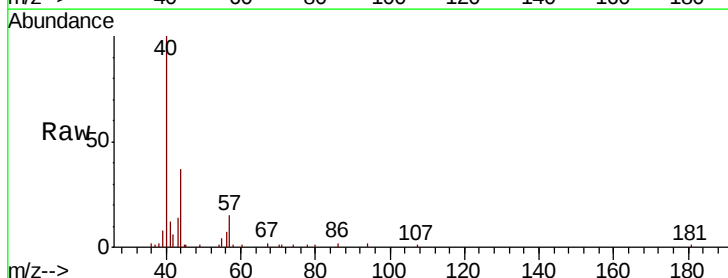
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBL02

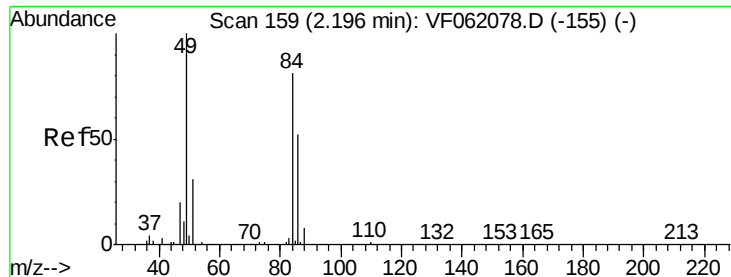
Tot Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 16.2 20.8 31.2#



#18
Methyl Acetate
Concen: 2.975 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

Tgt Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
74 5.7 16.3 24.5#

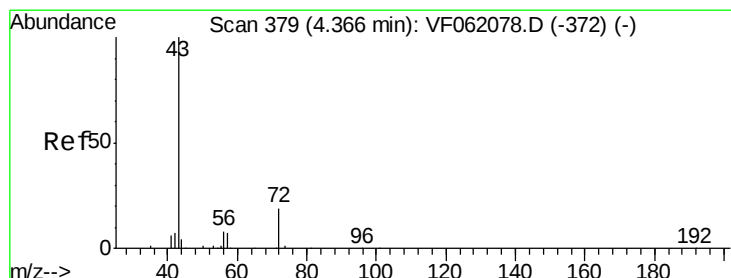
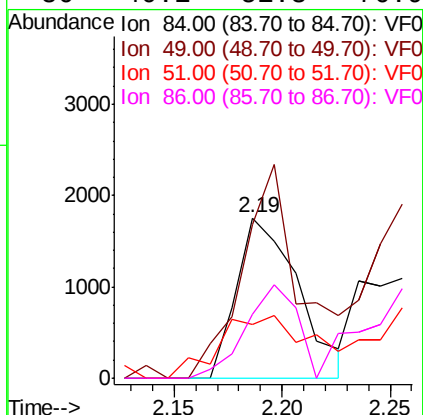
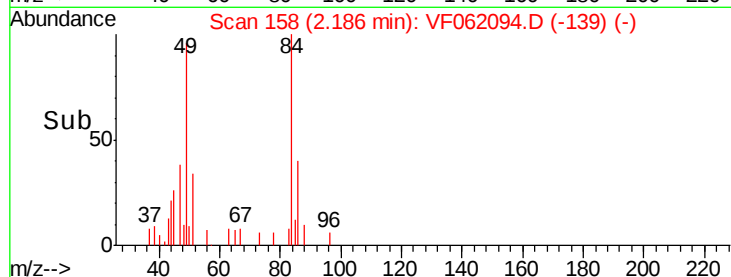
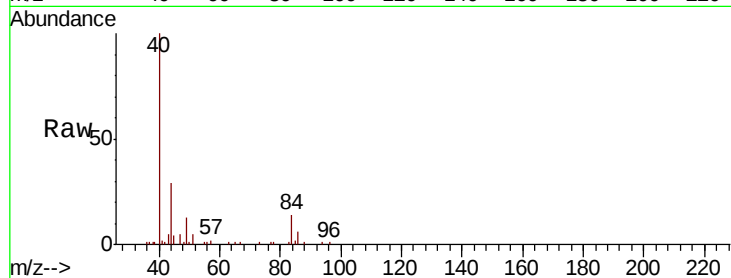




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

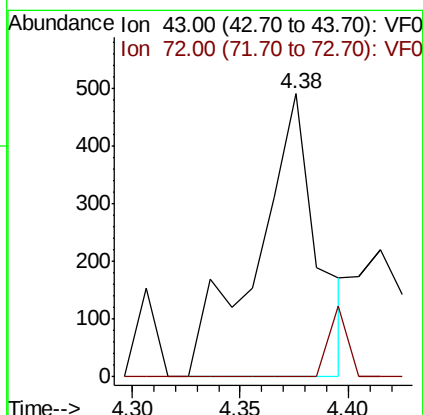
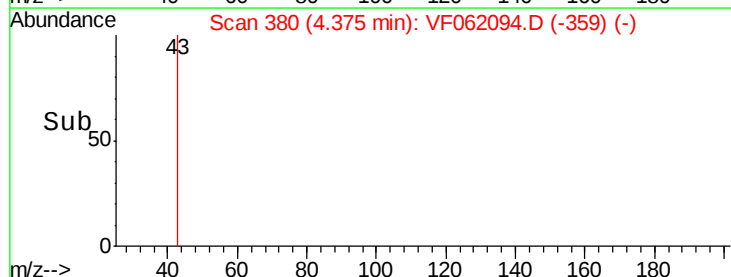
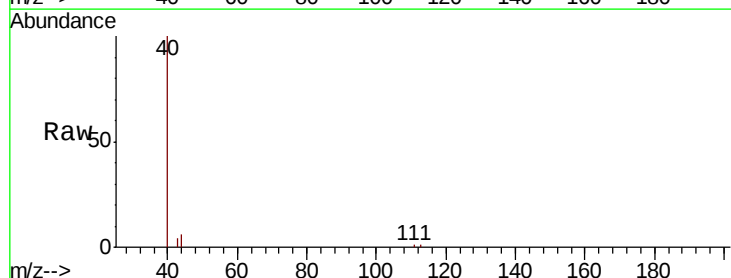
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBL02

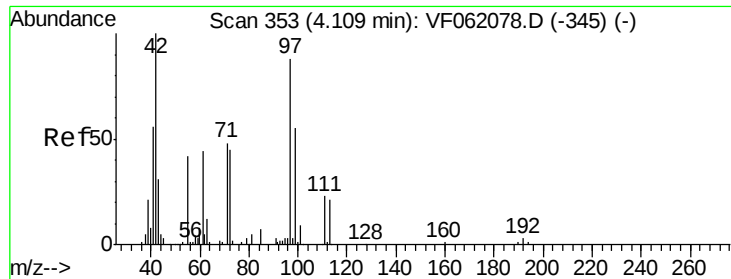
Tot Ion: 84 Resp: 3491
Ion Ratio Lower Upper
84 100
49 95.8 100.4 150.6#
51 33.9 31.0 46.6
86 40.1 51.3 76.9#



#25
2-Butanone
Concen: 1.025 ug/l
RT: 4.38 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#





#29

Tetrahydrofuran

Concen: 1.990 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF062094.D

Acq: 22 Mar 2019 23:08

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBL02

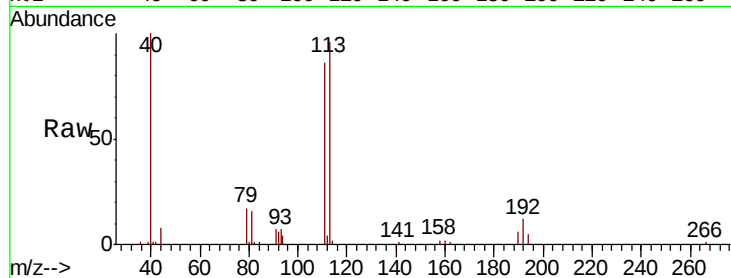
Tot Ion: 42 Resp: 802

Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

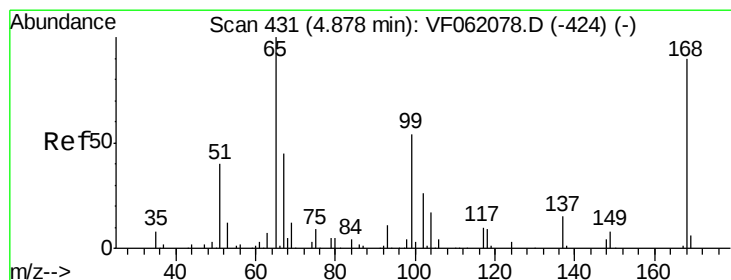
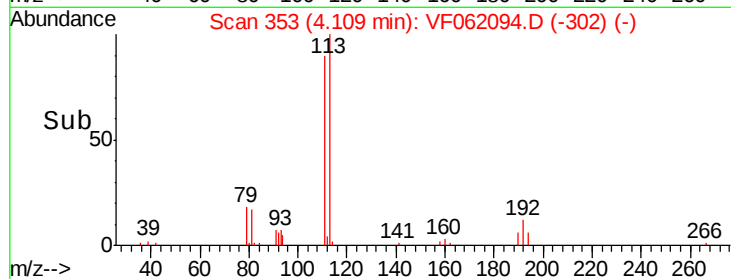
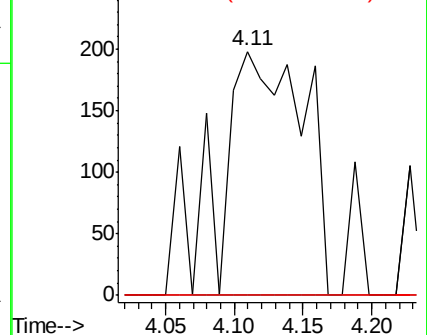
71 0.0 35.0 52.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 46.877 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF062094.D

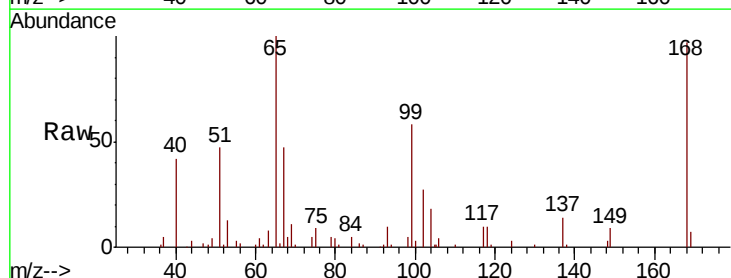
Acq: 22 Mar 2019 23:08

Tgt Ion: 65 Resp: 98895

Ion Ratio Lower Upper

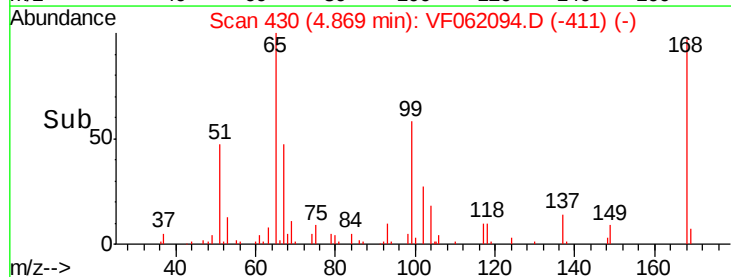
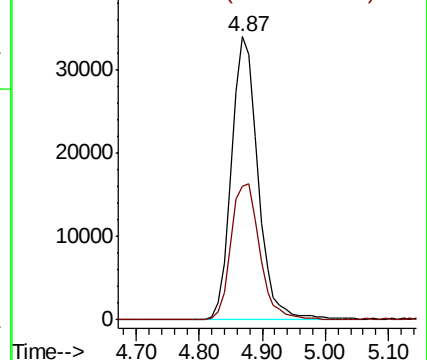
65 100

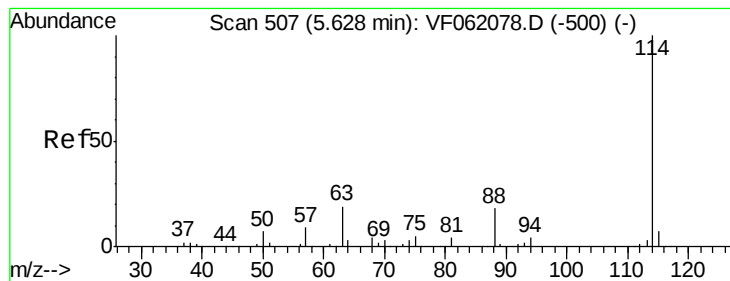
67 47.4 0.0 106.2



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: 5.62 min Scan# 506

Delta R.T. -0.01 min

Lab File: VF062094.D

Acq: 22 Mar 2019 23:08

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBL02

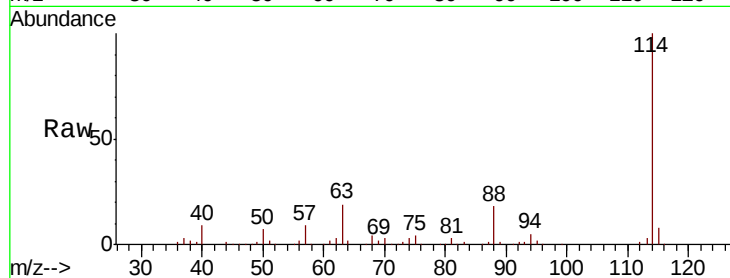
Tot Ion:114 Resp: 423671

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.8

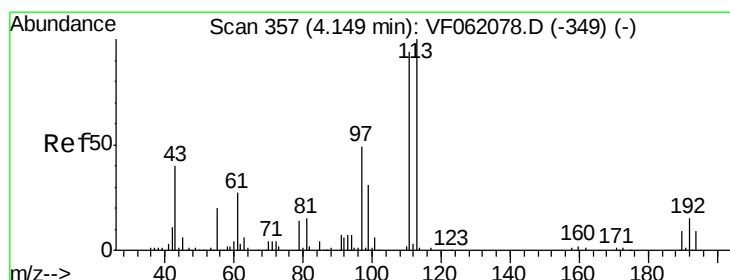
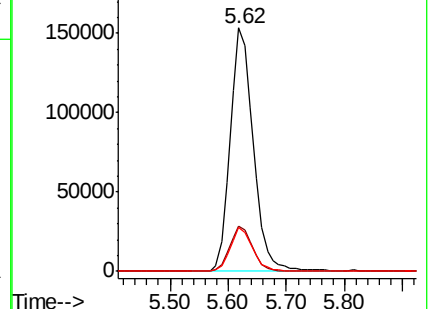
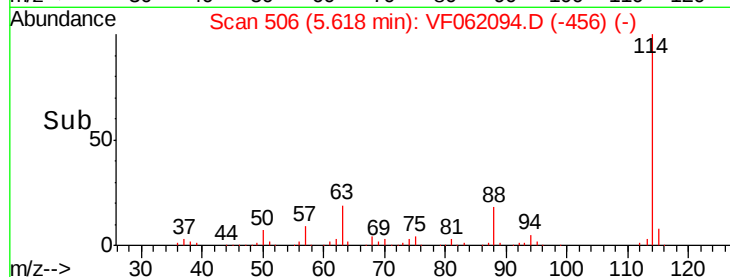
88 18.3 0.0 36.4



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: 49.673 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF062094.D

Acq: 22 Mar 2019 23:08

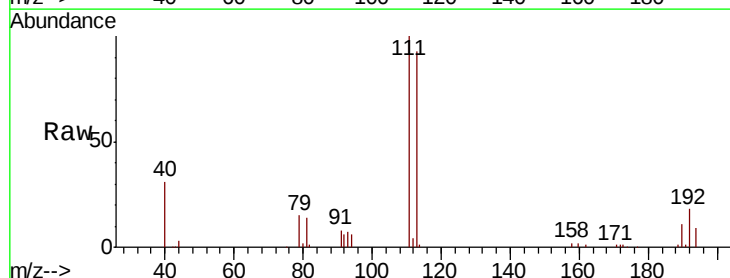
Tgt Ion:113 Resp: 142362

Ion Ratio Lower Upper

113 100

111 107.1 75.4 113.0

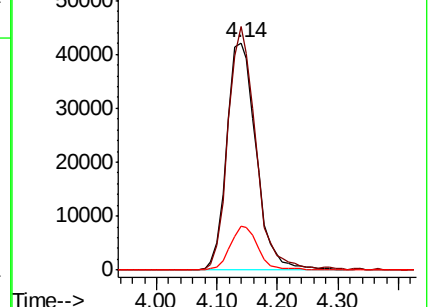
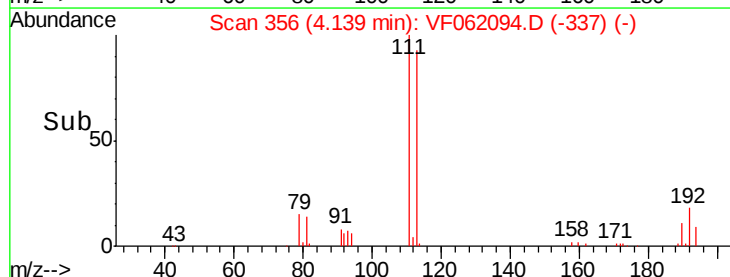
192 19.1 12.3 18.5#

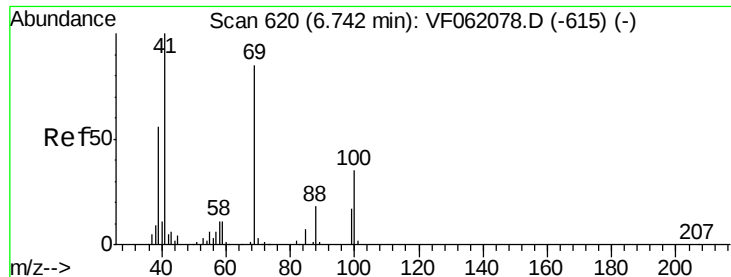


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 5.998 ug/l

RT: 6.81 min Scan# 627

Delta R.T. 0.07 min

Lab File: VF062094.D

Acq: 22 Mar 2019 23:08

Instrument :

MSVOA_F

ClientSampleId :

VF0322SBL02

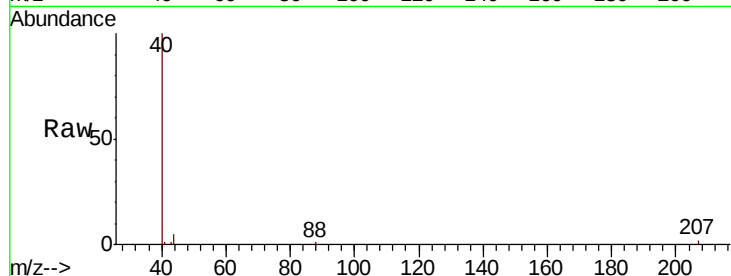
Tot Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 115.7 35.0 52.4#

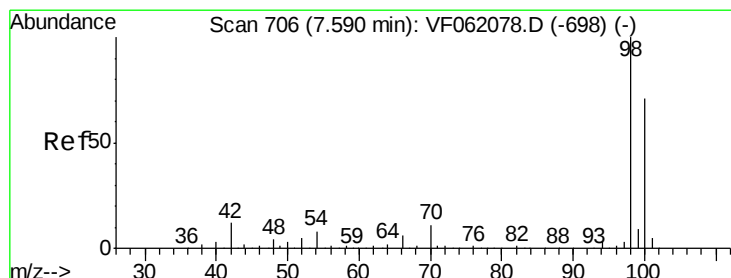
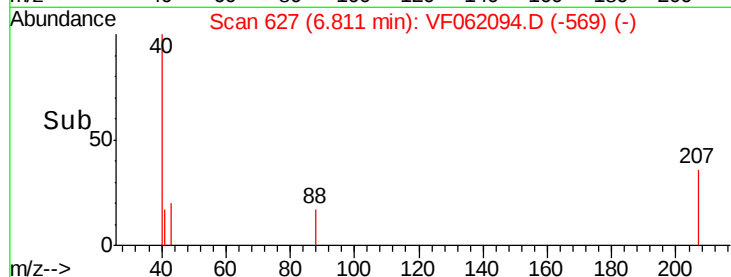
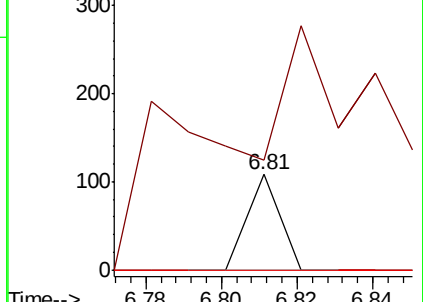
58 0.0 49.9 74.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 45.213 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF062094.D

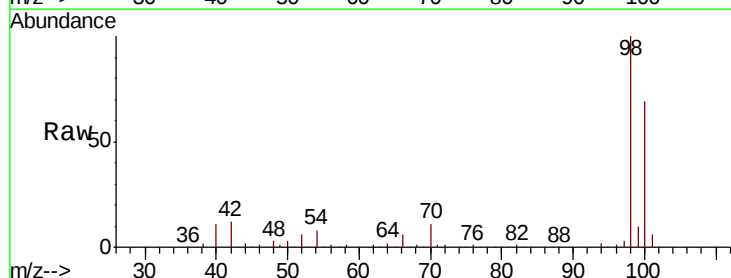
Acq: 22 Mar 2019 23:08

Tgt Ion: 98 Resp: 386792

Ion Ratio Lower Upper

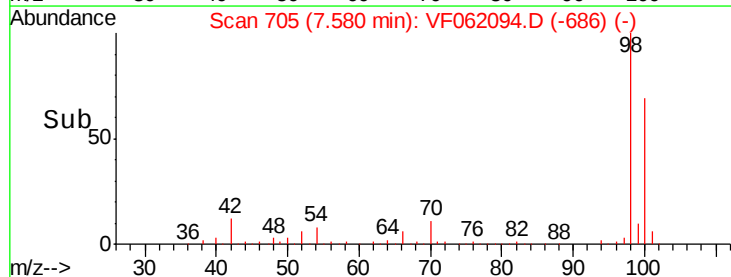
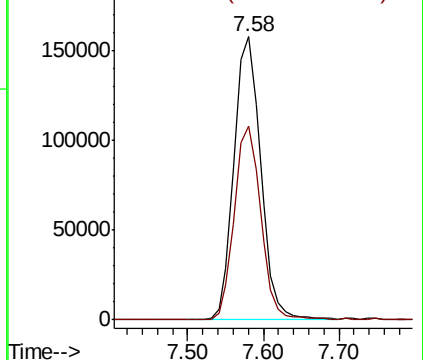
98 100

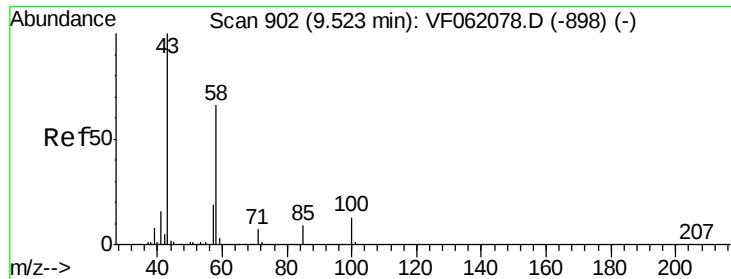
100 68.7 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

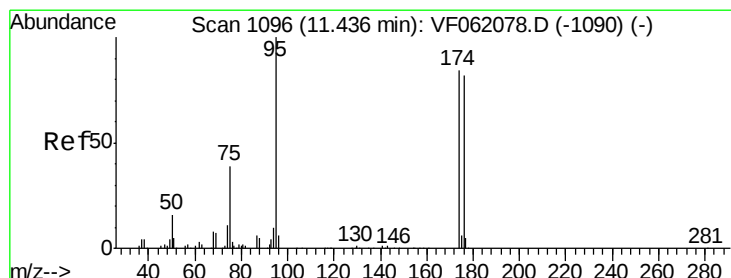
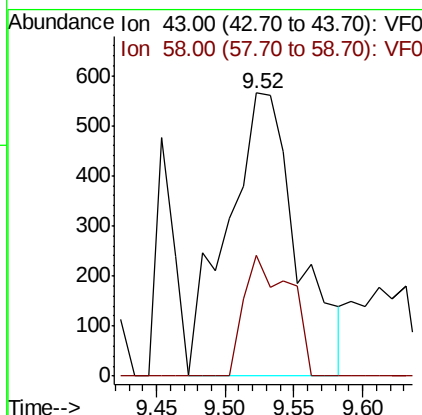
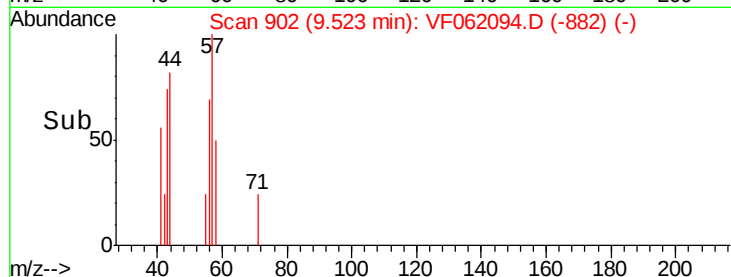
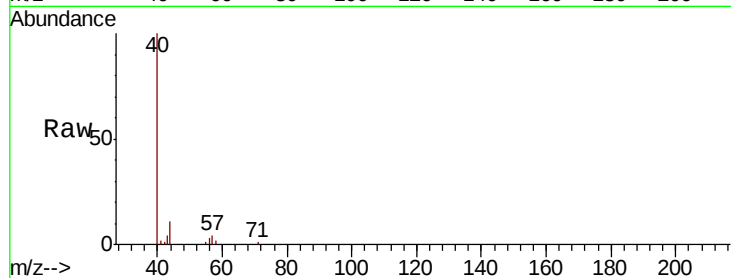




#59
2-Hexanone
Concen: 1.928 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

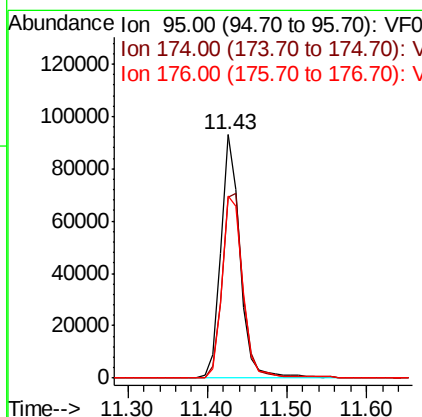
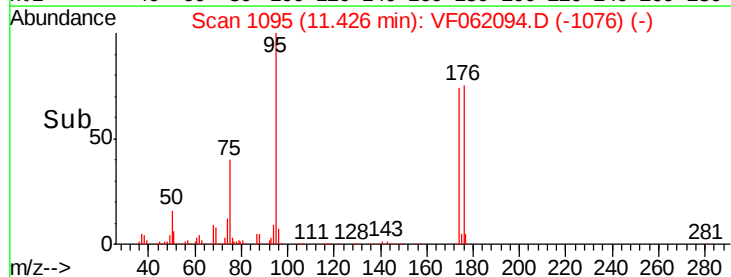
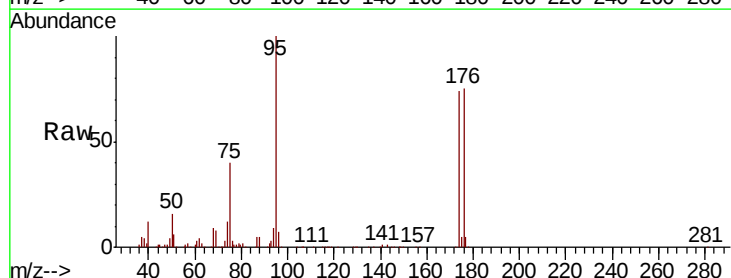
Instrument :
MSVOA_F
ClientSampleId :
VF0322SBL02

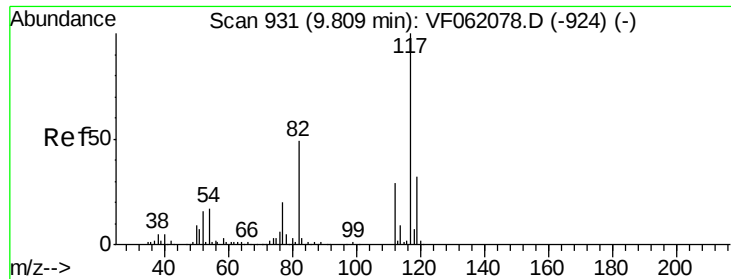
Tot Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 42.8 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 48.235 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

Tgt Ion: 95 Resp: 159306
Ion Ratio Lower Upper
95 100
174 74.3 0.0 168.2
176 74.8 0.0 164.2

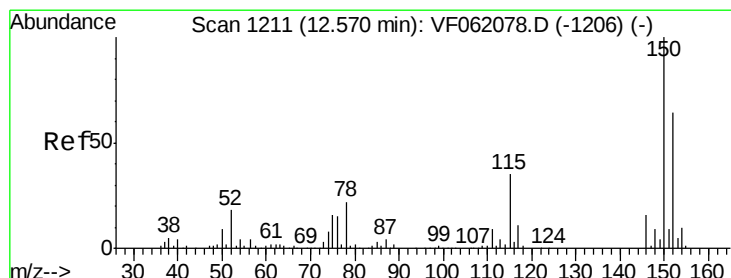
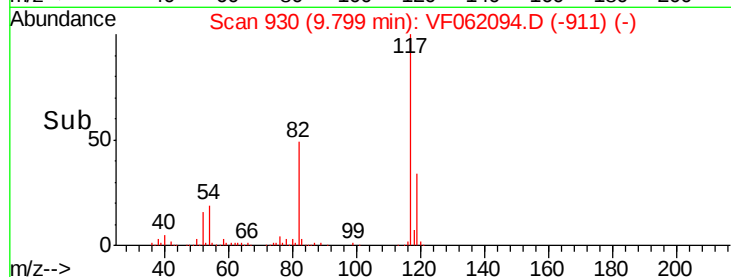
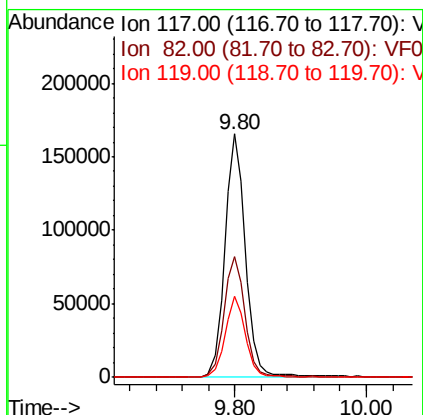
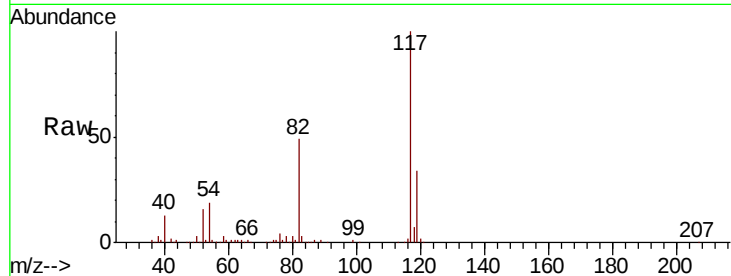




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

Instrument :
MSVOA_F
ClientSampleId :
VF0322SBL02

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	39.2	58.8
119	33.5	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF062094.D
Acq: 22 Mar 2019 23:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.3	27.7	83.1
150	154.9	0.0	313.2

