

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
 Data File : VF062394.D
 Acq On : 9 May 2019 14:23
 Operator : FY/SY
 Sample : VF0509SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBL01

Quant Time: May 10 01:51:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	351034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	435251	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	395913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	270735	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	178672	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
35) Dibromofluoromethane	4.29	113	197959	57.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.18%	
50) Toluene-d8	7.70	98	438584	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	11.48	95	218834	57.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.58%	

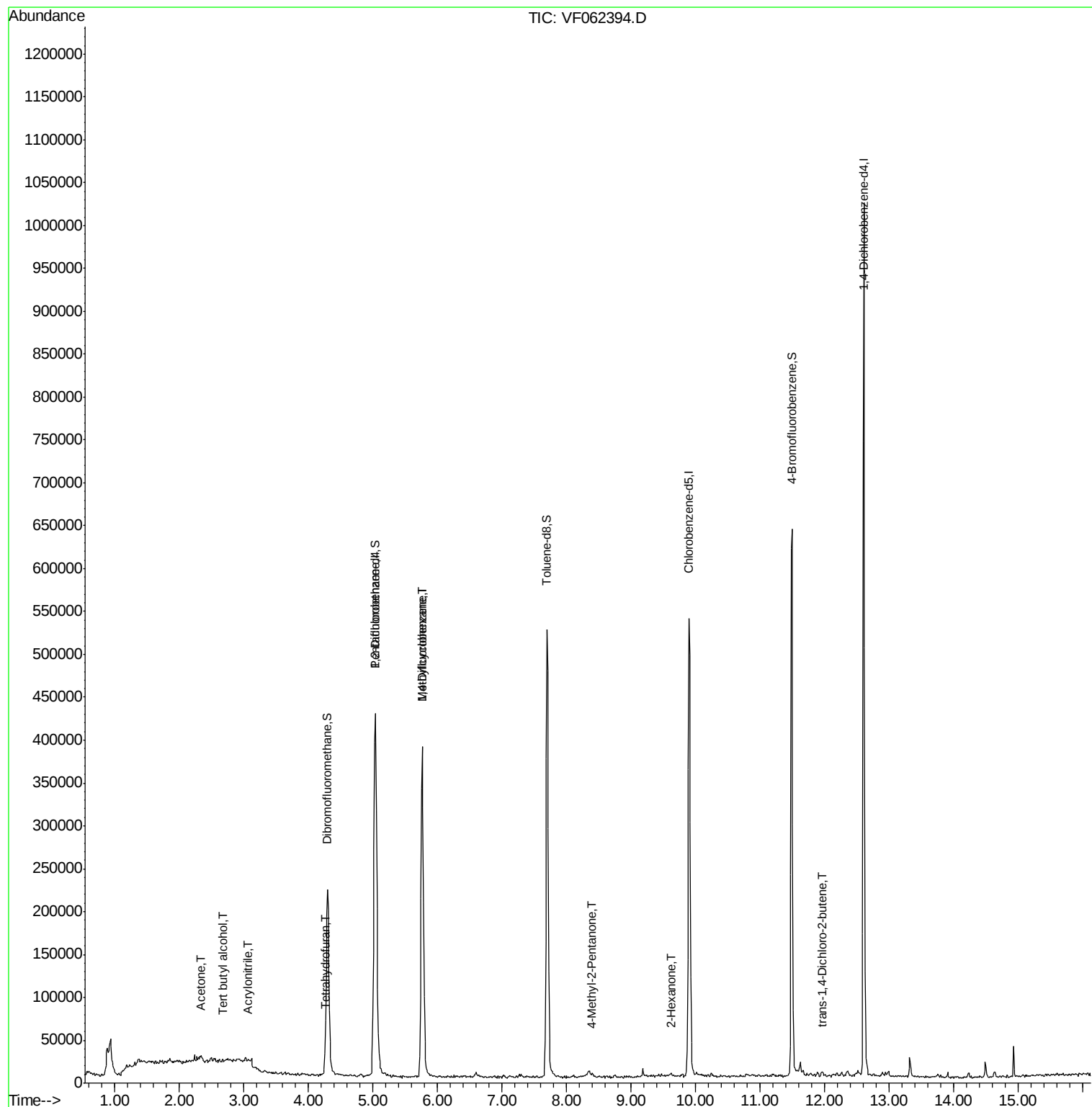
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.43	94	660	Below Cal	#	5
11) Tert butyl alcohol	2.68	59	580	3.093	ug/l #	1
13) Acrolein	2.11	56	644	Below Cal	#	64
15) Acrylonitrile	3.07	53	1602	4.511	ug/l	96
16) Acetone	2.33	43	4565	6.802	ug/l	95
18) Methyl Acetate	2.48	43	1158	Below Cal	#	82
29) Tetrahydrofuran	4.25	42	407	1.050	ug/l #	59
37) Ethyl Acetate	4.29	43	923	Below Cal	#	96
38) Carbon Tetrachloride	4.20	117	216	Below Cal	#	70
39) Methylcyclohexane	5.76	83	6460	1.723	ug/l #	39
49) 1,4-Dioxane	6.71	88	62	Below Cal	#	17
51) 4-Methyl-2-Pentanone	8.41	43	2830	2.196	ug/l #	87
59) 2-Hexanone	9.62	43	2921	3.277	ug/l	78
81) trans-1,4-Dichloro-2-buten	11.95	75	736	1.021	ug/l #	5

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

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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
VF0509SBL01

Quant Time: May 10 01:51:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

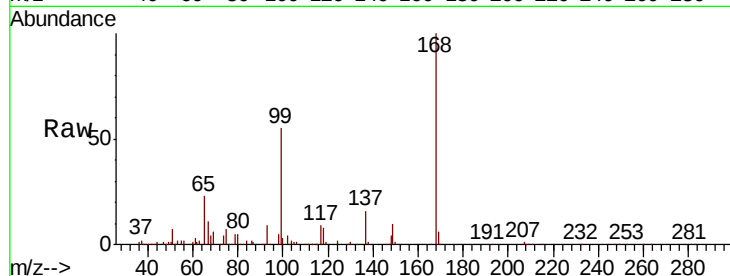
VF0509SBL01

Tgt Ion:168 Resp: 351034

Ion Ratio Lower Upper

168 100

99 55.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

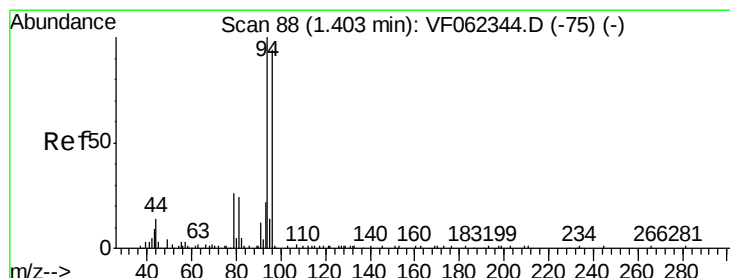
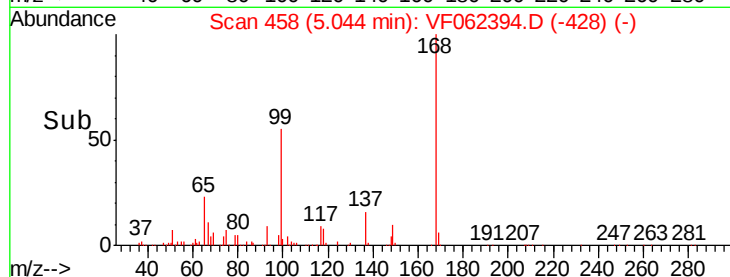
100000

50000

0

Time-->

5.00 5.20



#5

Bromomethane

Concen: Below Cal

RT: 1.43 min Scan# 91

Delta R.T. 0.02 min

Lab File: VF062394.D

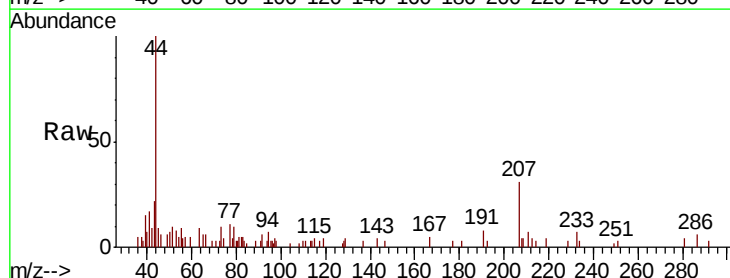
Acq: 9 May 2019 14:23

Tgt Ion: 94 Resp: 660

Ion Ratio Lower Upper

94 100

96 2.6 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.43

500

400

300

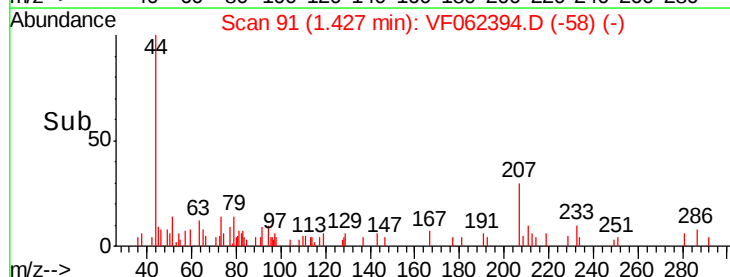
200

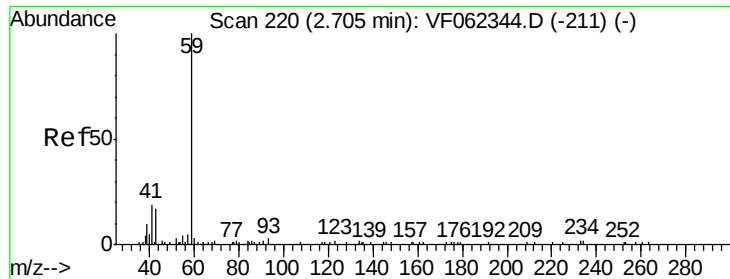
100

0

Time-->

1.40 1.45



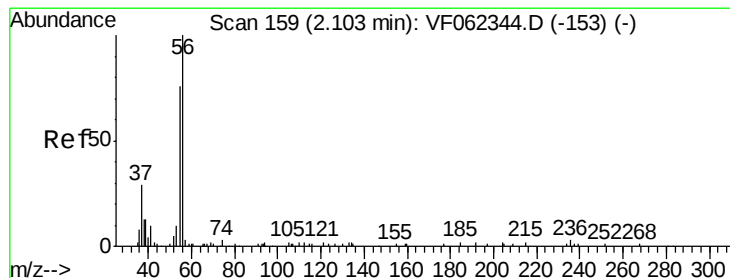
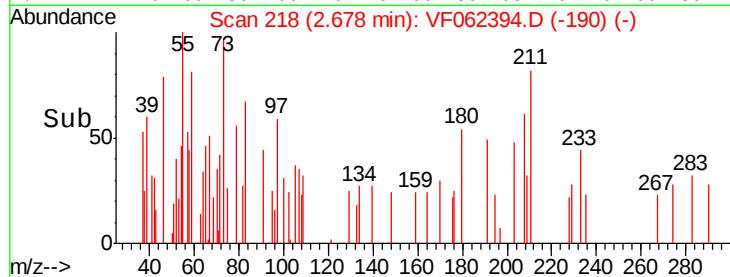
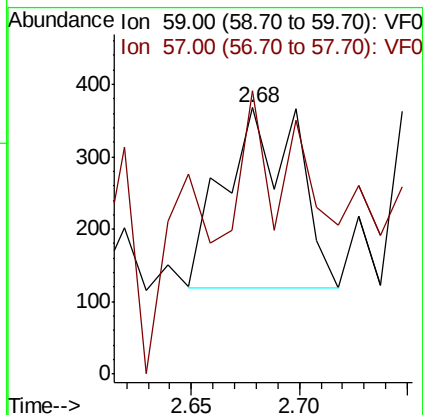
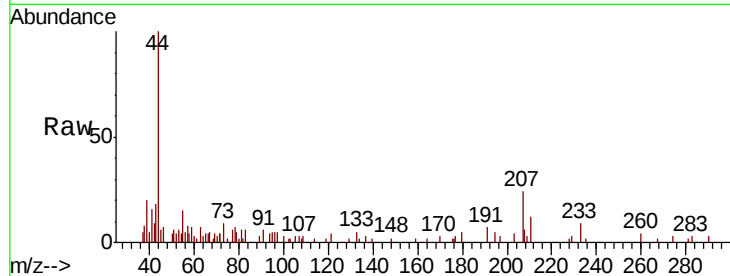


#11

Tert butyl alcohol
 Concen: 3.093 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.03 min
 Lab File: VF062394.D
 Acq: 9 May 2019 14:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBL01

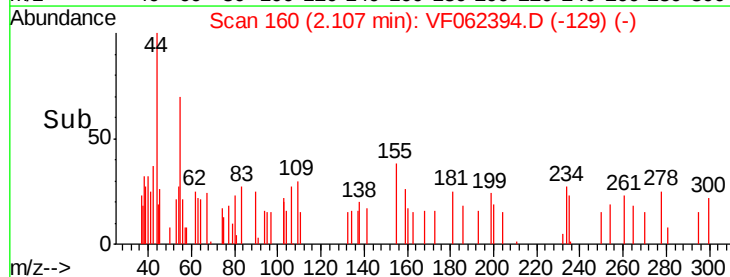
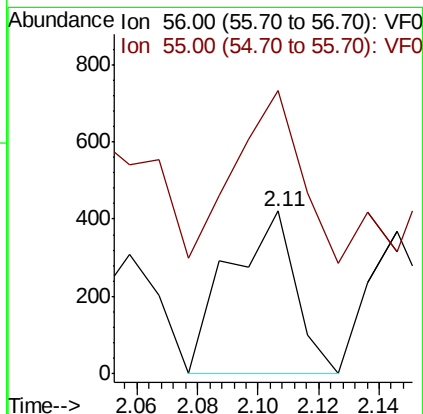
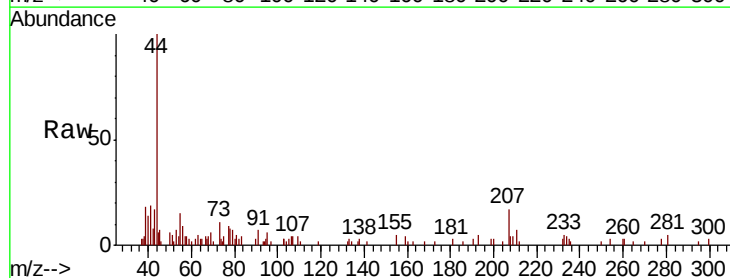
Tgt Ion: 59 Resp: 580
 Ion Ratio Lower Upper
 59 100
 57 160.3 9.3 13.9#



#13

Acrolein
 Concen: Below Cal
 RT: 2.11 min Scan# 160
 Delta R.T. 0.00 min
 Lab File: VF062394.D
 Acq: 9 May 2019 14:23

Tgt Ion: 56 Resp: 644
 Ion Ratio Lower Upper
 56 100
 55 103.0 58.4 87.6#





#15

Acrylonitrile

Concen: 4.511 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBL01

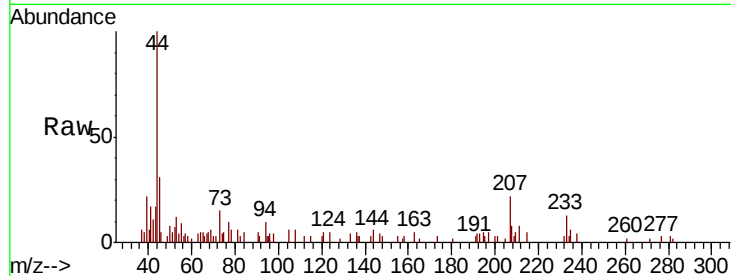
Tgt Ion: 53 Resp: 1602

Ion Ratio Lower Upper

53 100

52 97.6 77.2 115.8

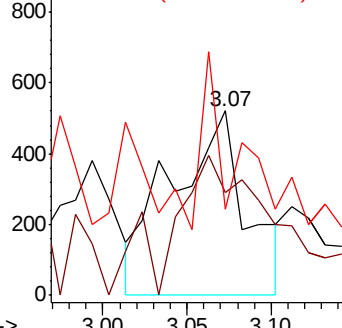
51 56.9 40.6 61.0



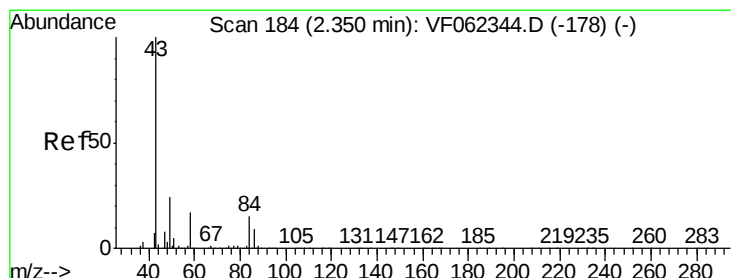
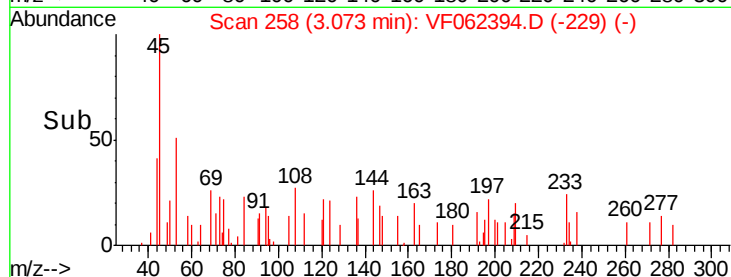
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 6.802 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062394.D

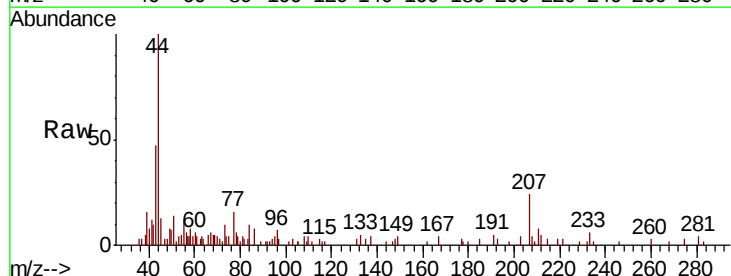
Acq: 9 May 2019 14:23

Tgt Ion: 43 Resp: 4565

Ion Ratio Lower Upper

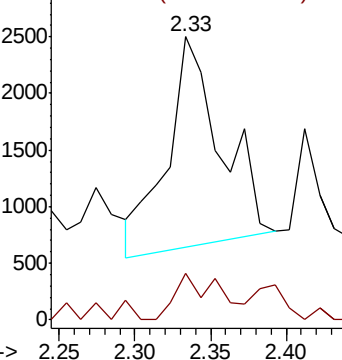
43 100

58 14.1 13.1 19.7

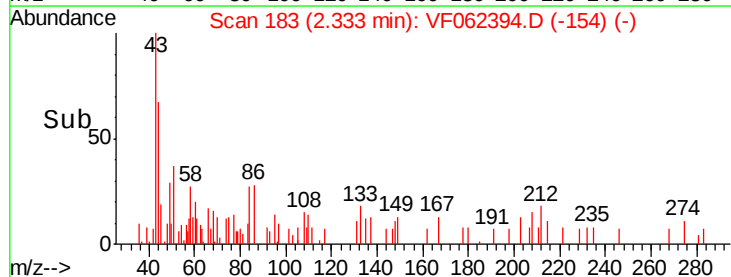


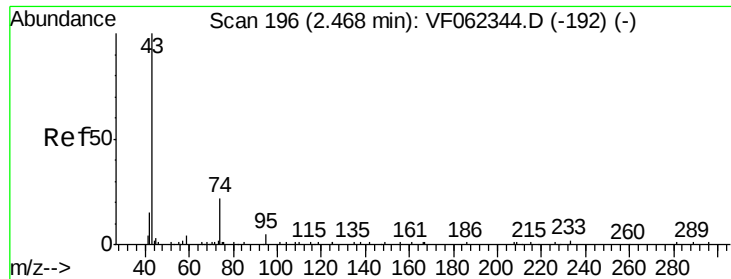
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

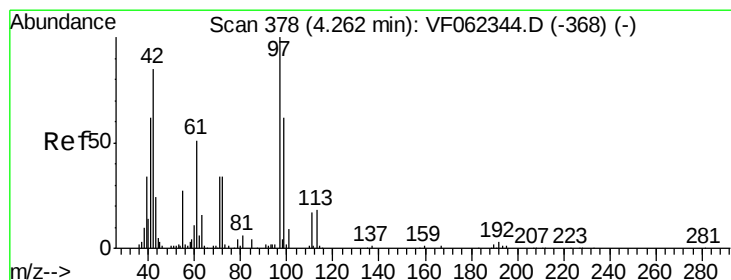
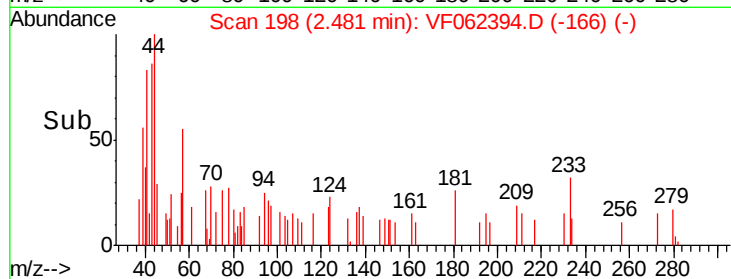
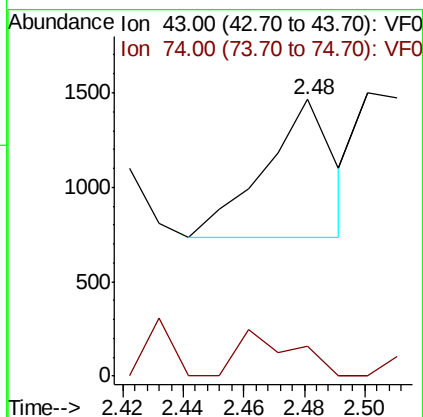
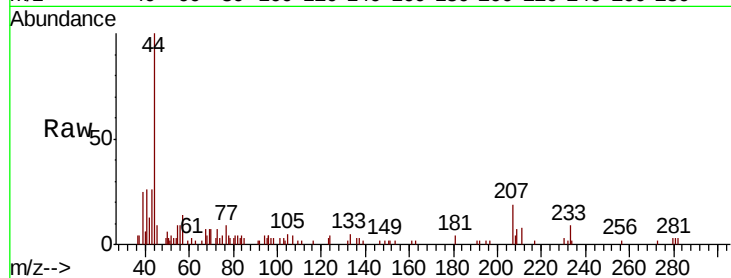




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062394.D
Acq: 9 May 2019 14:23

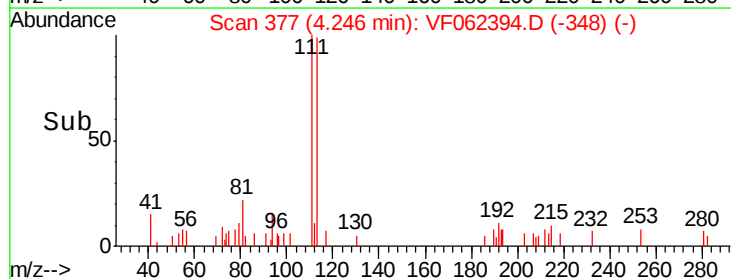
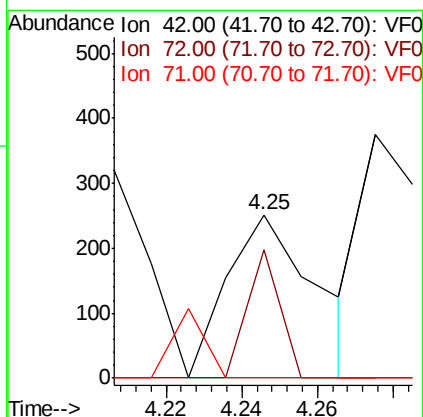
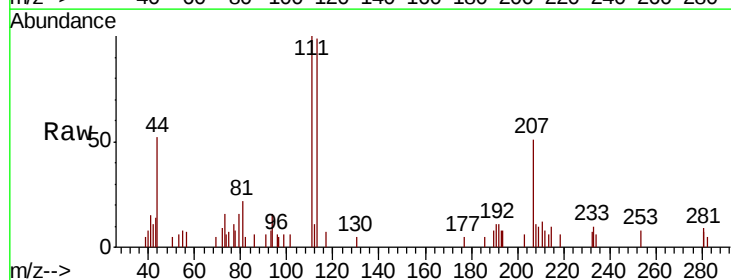
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBL01

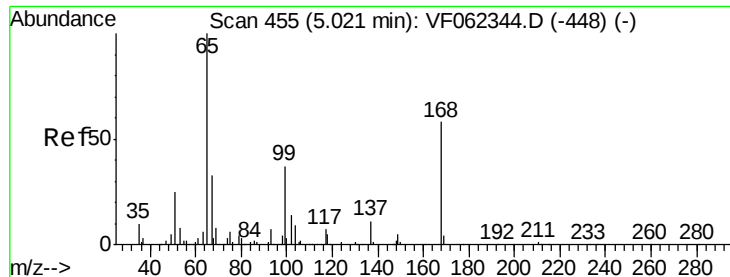
Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
74 26.9 15.0 22.4#



#29
Tetrahydrofuran
Concen: 1.050 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF062394.D
Acq: 9 May 2019 14:23

Tgt Ion: 42 Resp: 407
Ion Ratio Lower Upper
42 100
72 28.7 31.4 47.0#
71 0.0 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 53.859 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

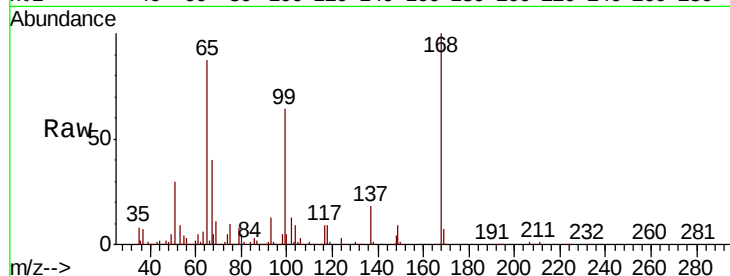
VF0509SBL01

Tgt Ion: 65 Resp: 178672

Ion Ratio Lower Upper

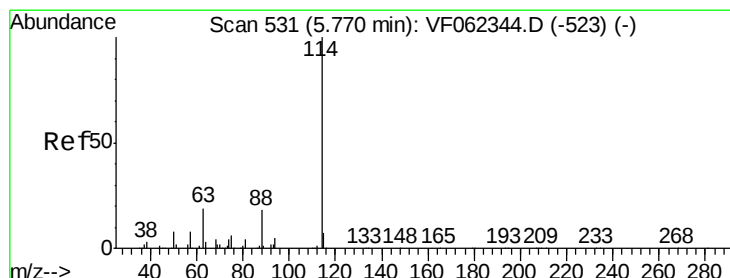
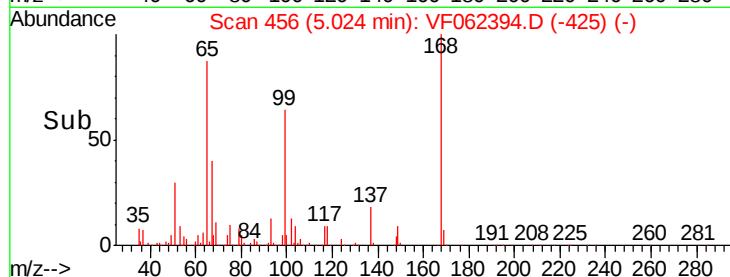
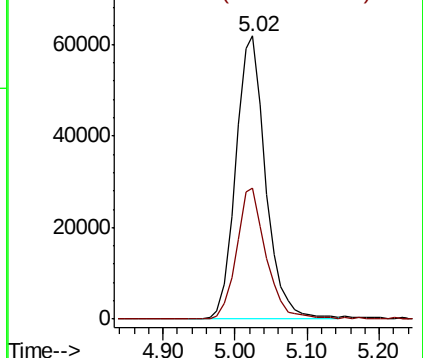
65 100

67 45.5 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

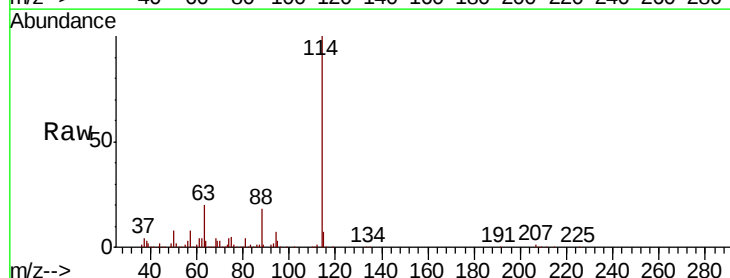
Tgt Ion: 114 Resp: 435251

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

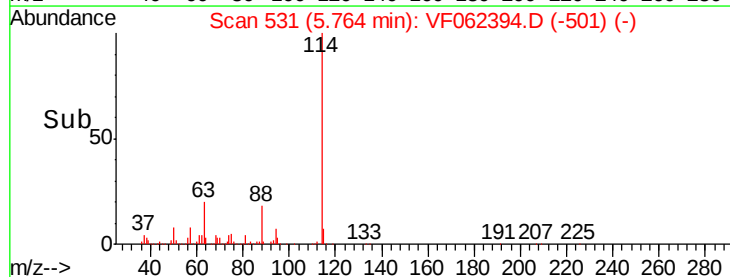
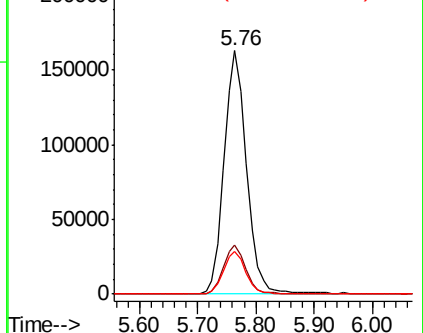
88 17.5 0.0 36.4

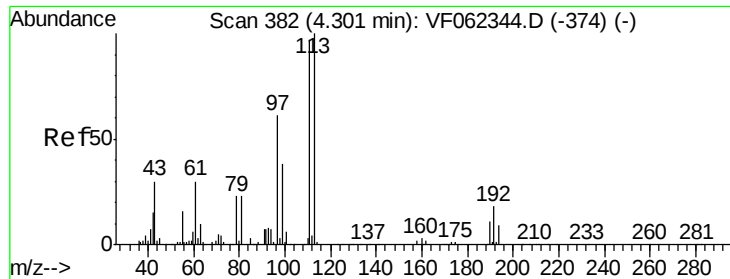


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

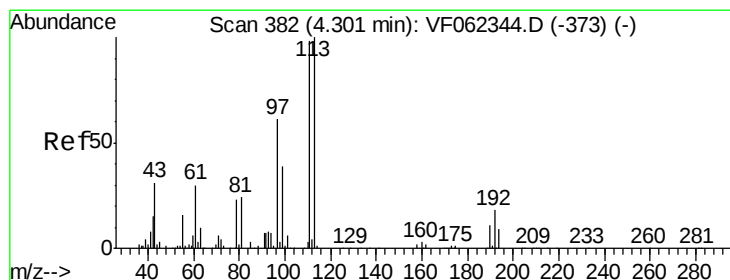
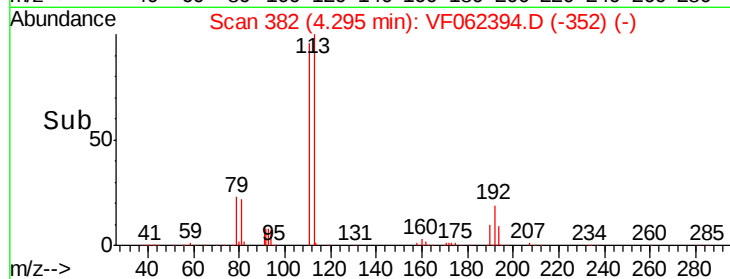
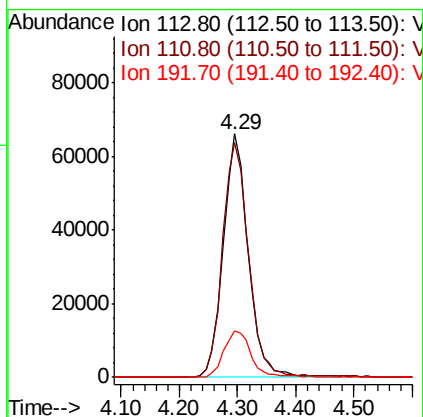
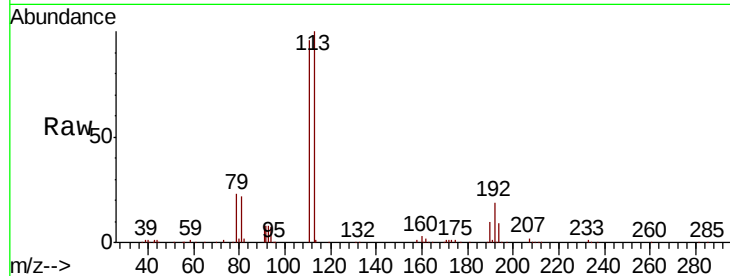




#35
 Dibromofluoromethane
 Concen: 57.089 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062394.D
 Acq: 9 May 2019 14:23

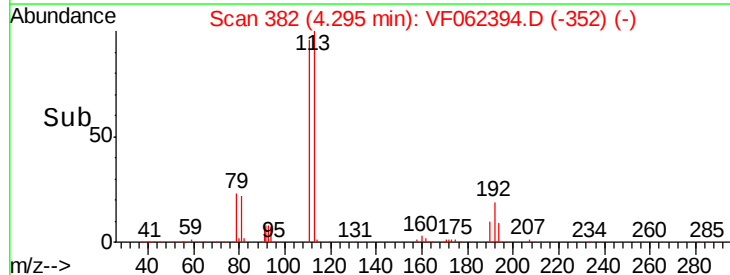
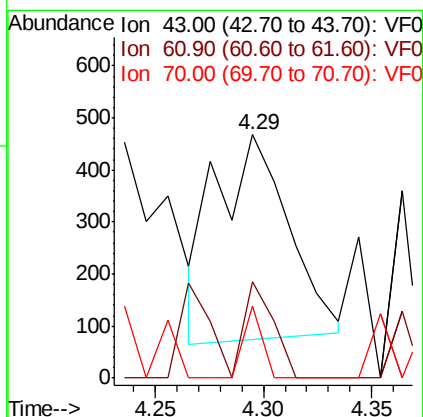
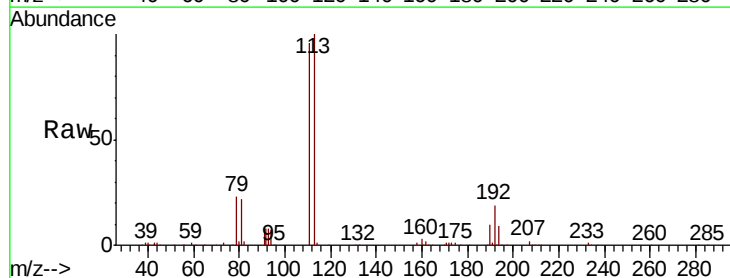
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBL01

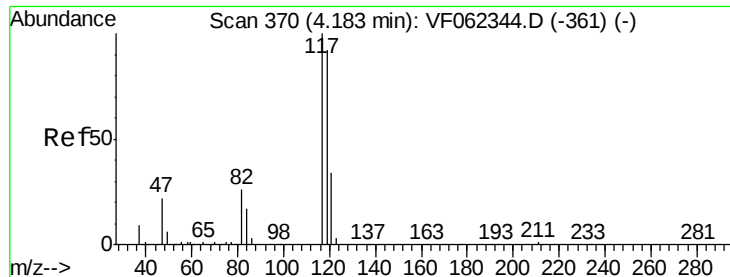
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	79.4	119.0
192	20.1	16.0	24.0



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.29 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062394.D
 Acq: 9 May 2019 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.9	0.0	0.0#
70	8.9	8.2	12.2





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.20 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBL01

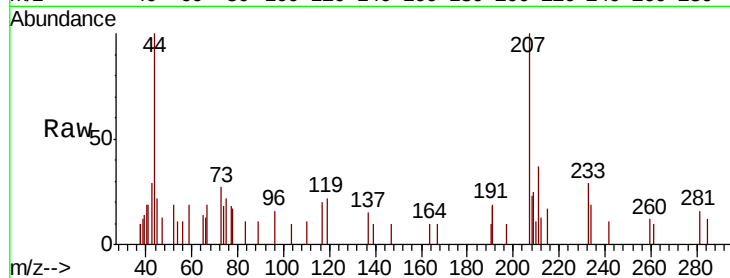
Tgt Ion:117 Resp: 216

Ion Ratio Lower Upper

117 100

119 109.9 73.4 110.2

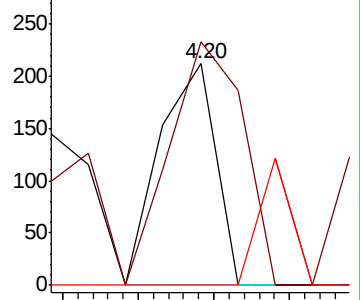
121 0.0 27.4 41.0#



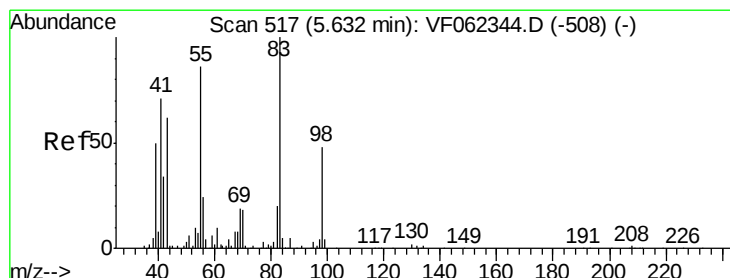
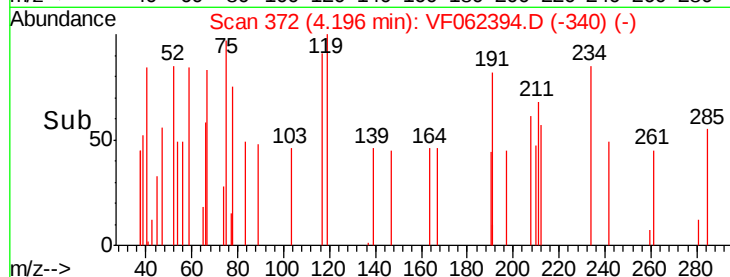
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->



#39

Methylcyclohexane

Concen: 1.723 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

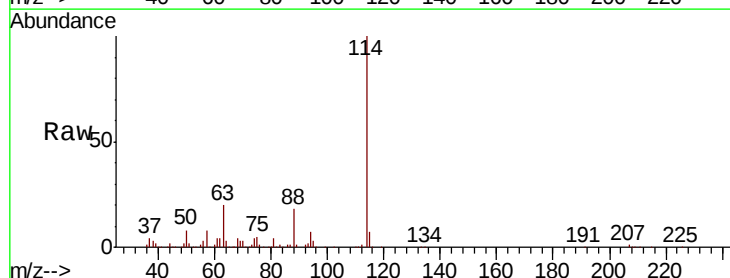
Tgt Ion: 83 Resp: 6460

Ion Ratio Lower Upper

83 100

55 35.3 69.0 103.6#

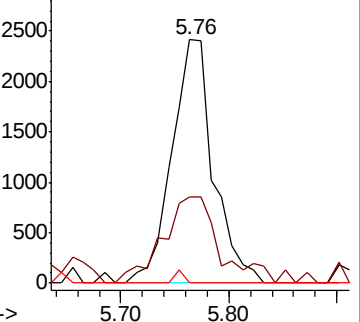
98 0.0 38.6 58.0#



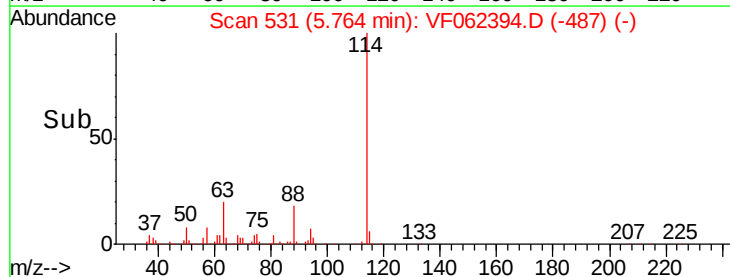
Abundance Ion 83.00 (82.70 to 83.70): VF0

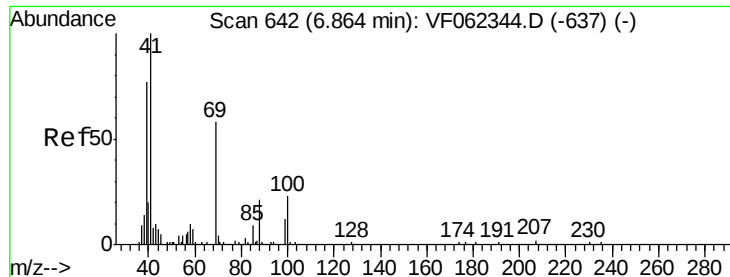
Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->

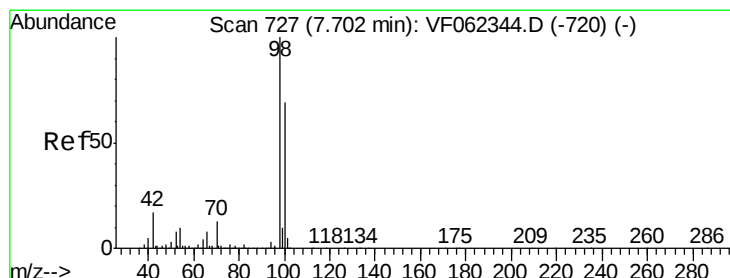
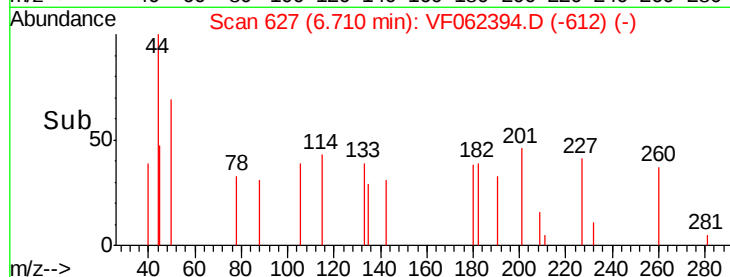
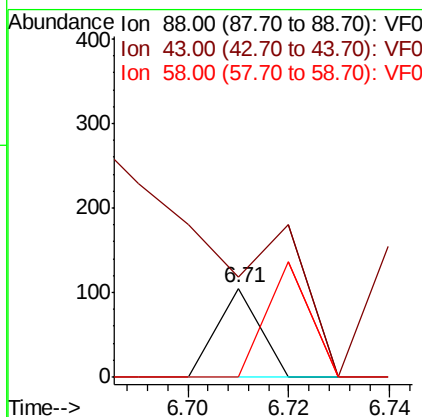
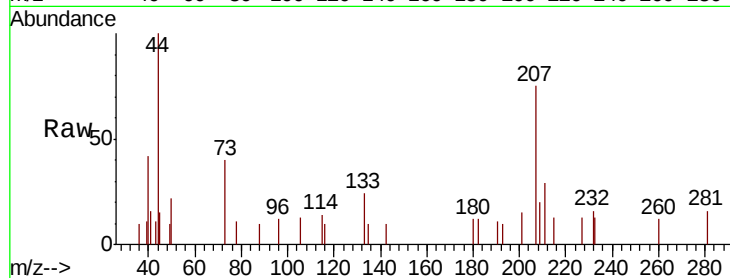




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.71 min Scan# 627
Delta R.T. -0.15 min
Lab File: VF062394.D
Acq: 9 May 2019 14:23

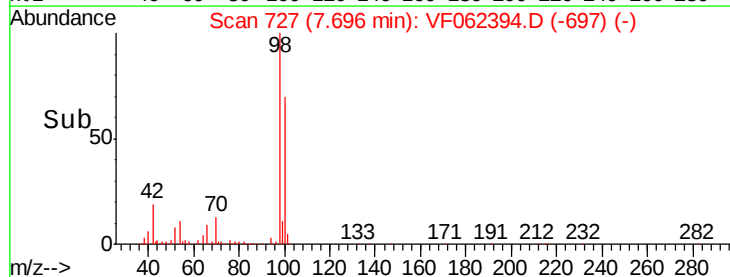
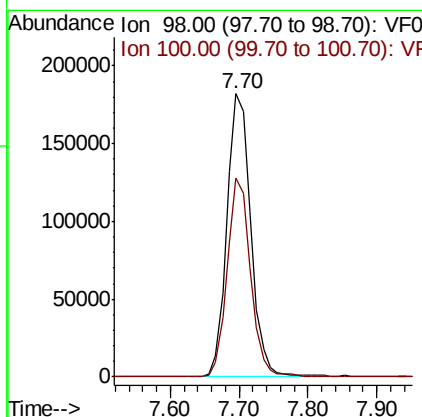
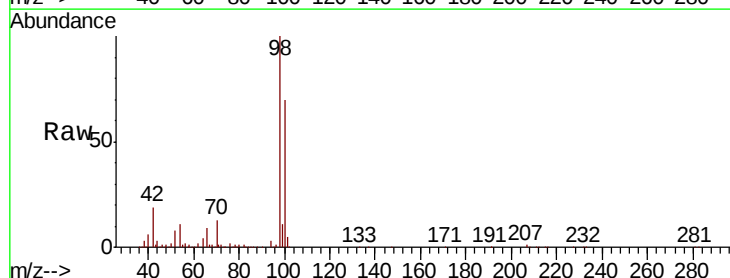
Instrument :
MSVOA_F
ClientSampleId :
VF0509SBL01

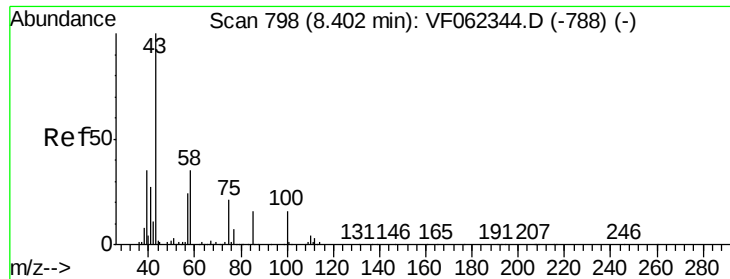
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 55.6 83.4#
58 130.6 52.8 79.2#



#50
Toluene-d8
Concen: 52.251 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062394.D
Acq: 9 May 2019 14:23

Tgt Ion: 98 Resp: 438584
Ion Ratio Lower Upper
98 100
100 68.4 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 2.196 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

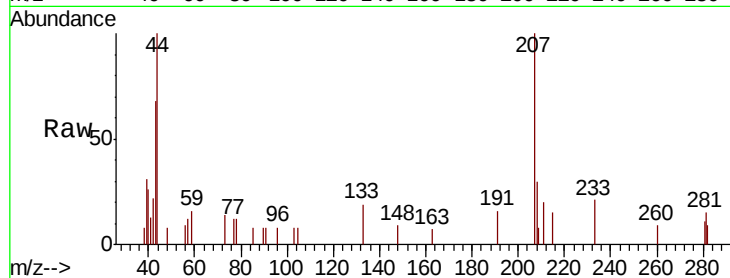
VF0509SBL01

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

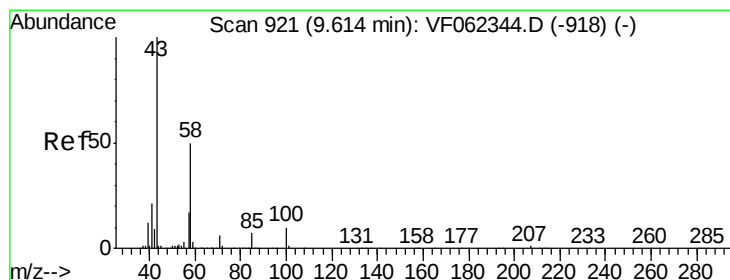
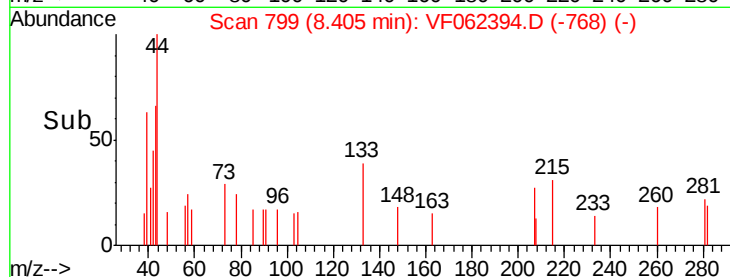
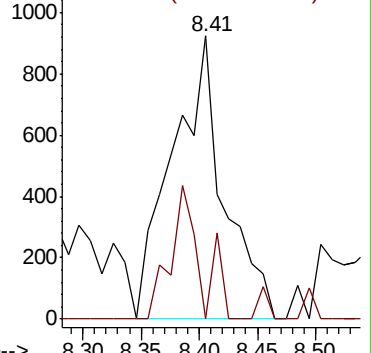
43 100

58 27.5 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 3.277 ug/l

RT: 9.62 min Scan# 922

Delta R.T. 0.00 min

Lab File: VF062394.D

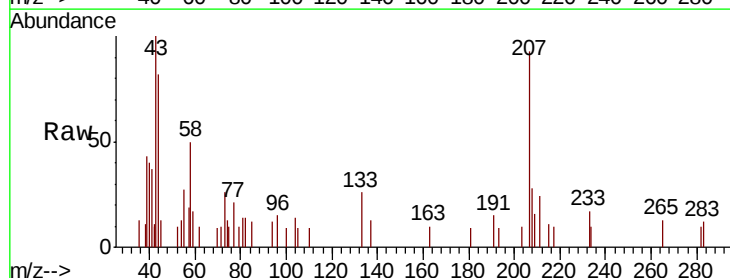
Acq: 9 May 2019 14:23

Tgt Ion: 43 Resp: 2921

Ion Ratio Lower Upper

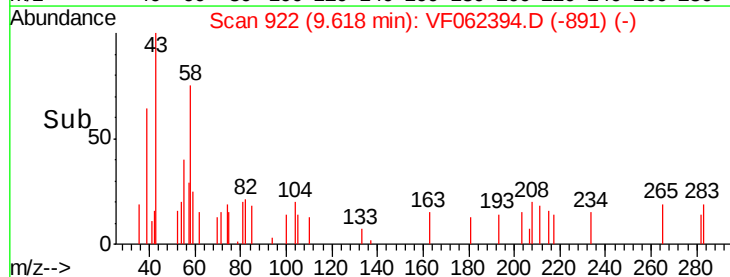
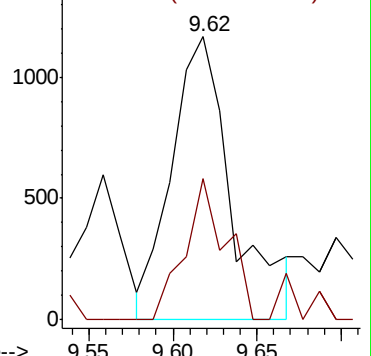
43 100

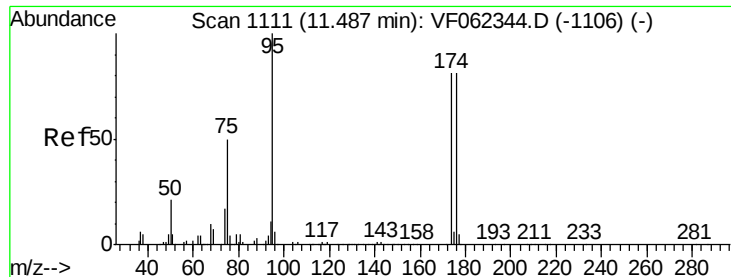
58 33.9 24.3 73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 57.786 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBL01

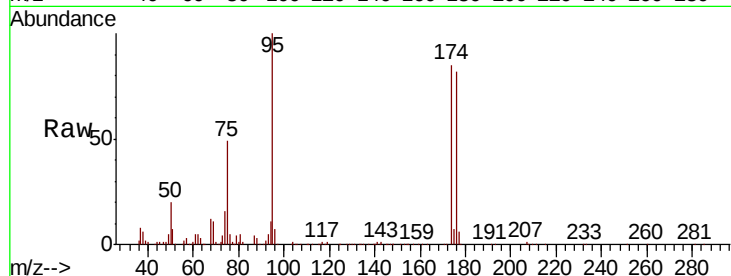
Tgt Ion: 95 Resp: 218834

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.8

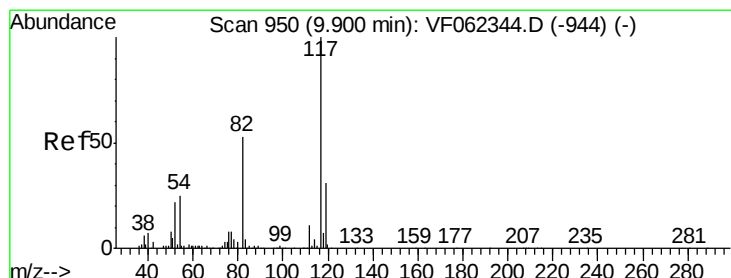
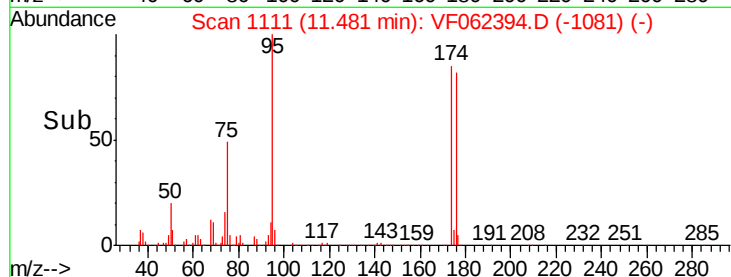
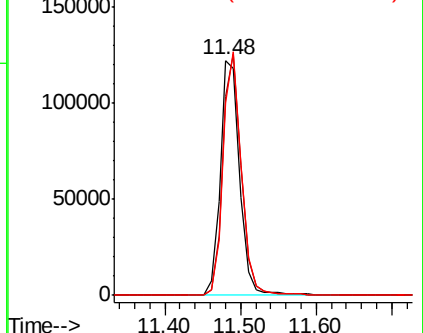
176 97.0 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

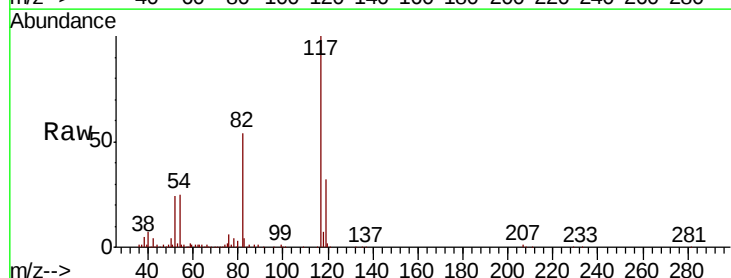
Tgt Ion: 117 Resp: 395913

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.2

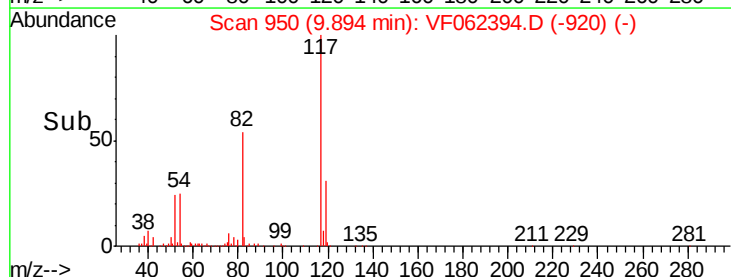
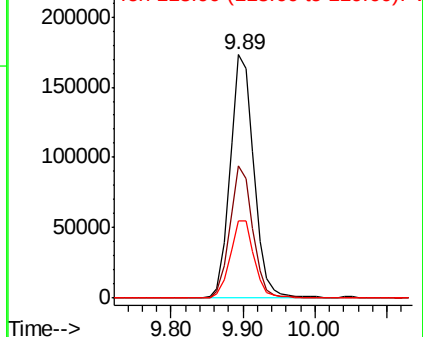
119 31.5 25.0 37.4

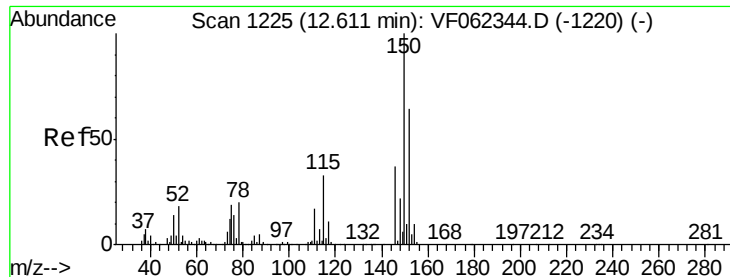


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

Instrument :

MSVOA_F

ClientSampleId :

VF0509SBL01

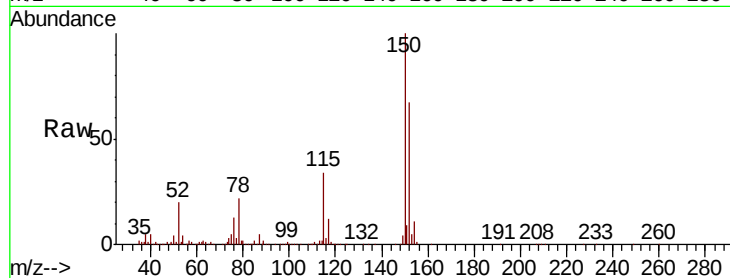
Tgt Ion: 152 Resp: 270735

Ion Ratio Lower Upper

152 100

115 52.8 26.4 79.2

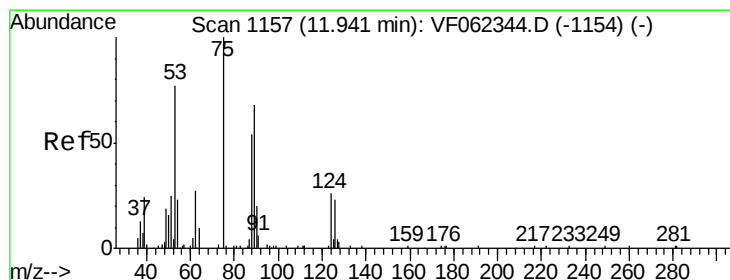
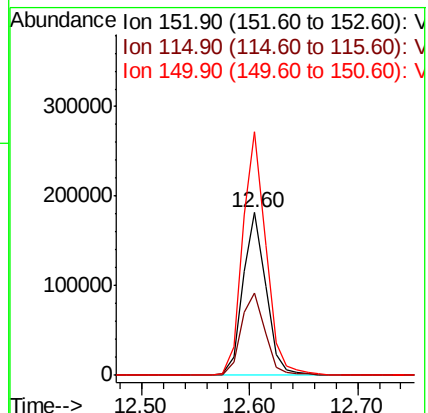
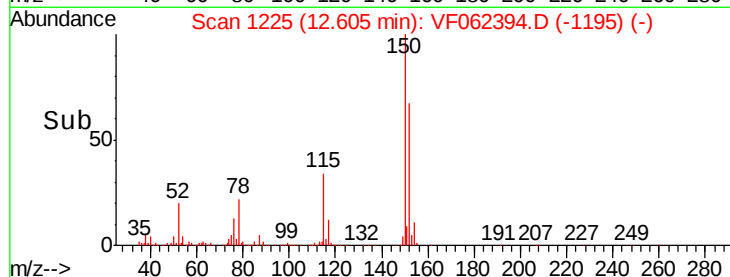
150 151.9 0.0 335.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.021 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062394.D

Acq: 9 May 2019 14:23

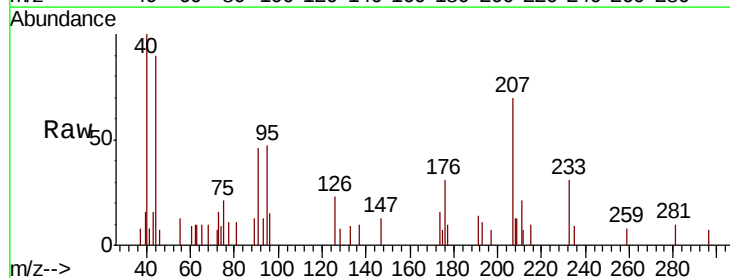
Tgt Ion: 75 Resp: 736

Ion Ratio Lower Upper

75 100

53 0.0 71.9 107.9#

89 34.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

