

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062350.D
 Acq On : 7 May 2019 11:41
 Operator : FY/SY
 Sample : VF0507SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBL01

Quant Time: May 07 12:03:04 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	5.06	168	325236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	442762	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	350843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	237850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	165443	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	
35) Dibromofluoromethane	4.31	113	195755	55.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.00%	
50) Toluene-d8	7.71	98	438667	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.49	95	203728	52.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.76%	

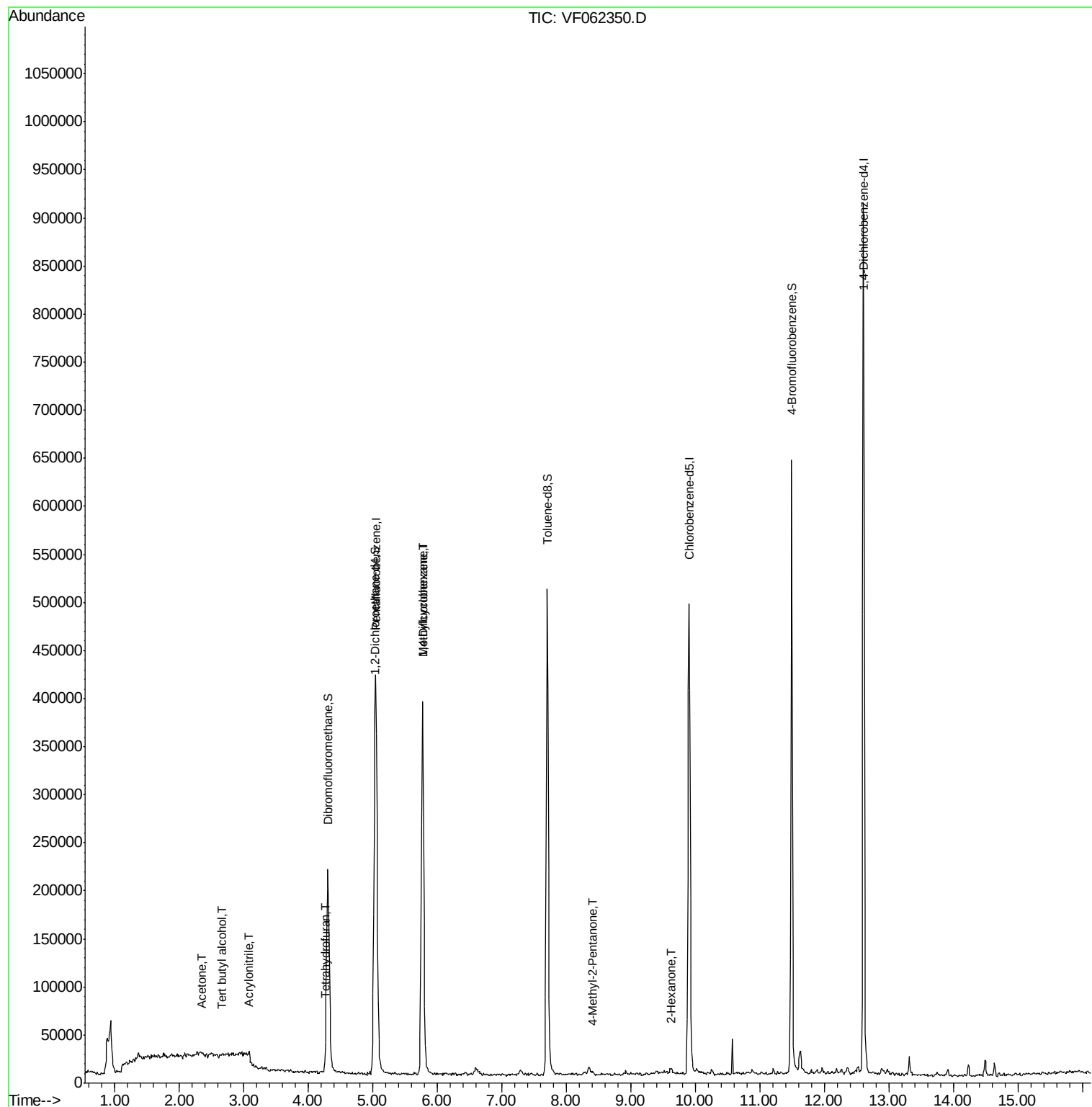
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.42	94	286	Below Cal	#	66
11) Tert butyl alcohol	2.68	59	415	2.389	ug/l #	1
13) Acrolein	2.11	56	396	Below Cal	#	1
15) Acrylonitrile	3.09	53	1341	4.075	ug/l #	54
16) Acetone	2.35	43	2890	4.648	ug/l #	85
29) Tetrahydrofuran	4.26	42	984	2.741	ug/l #	64
37) Ethyl Acetate	4.31	43	2237	Below Cal	#	83
38) Carbon Tetrachloride	4.21	117	101	Below Cal	#	1
39) Methylcyclohexane	5.77	83	5960	1.562	ug/l #	34
49) 1,4-Dioxane	6.87	88	77	Below Cal	#	37
51) 4-Methyl-2-Pentanone	8.41	43	2732	2.084	ug/l	99
59) 2-Hexanone	9.63	43	4227	4.662	ug/l	86

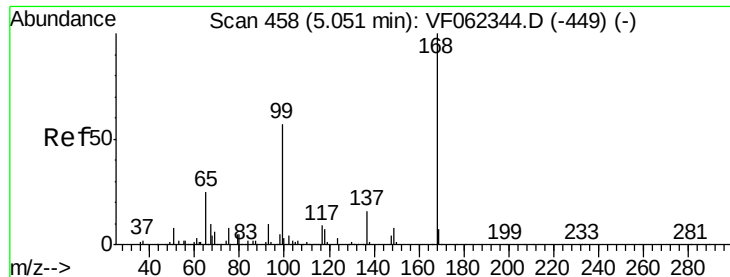
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
Data File : VF062350.D
Acq On : 7 May 2019 11:41
Operator : FY/SY
Sample : VF0507SBL01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBL01

Quant Time: May 07 12:03:04 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: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062350.D

Acq: 7 May 2019 11:41

Instrument :

MSVOA_F

ClientSampleId :

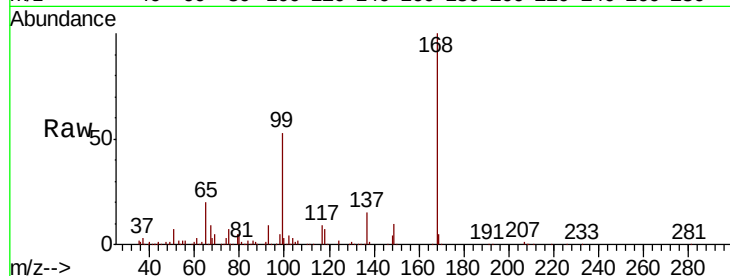
VF0507SBL01

Tgt Ion:168 Resp: 325236

Ion Ratio Lower Upper

168 100

99 52.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

120000

100000

80000

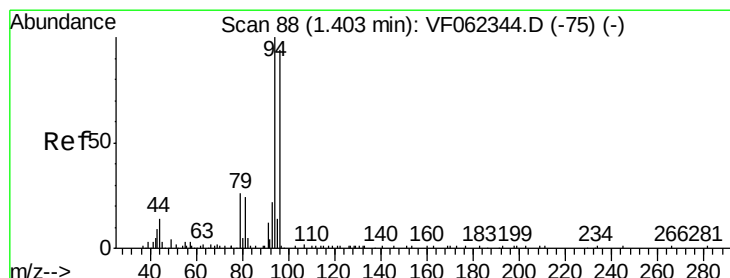
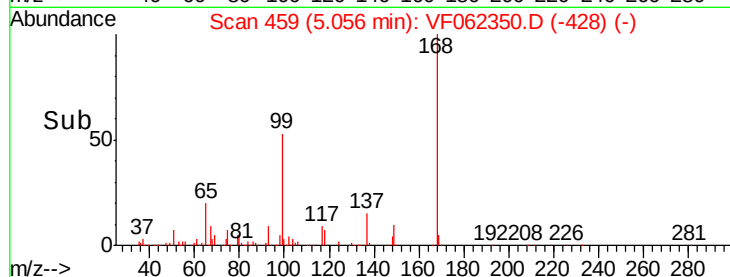
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062350.D

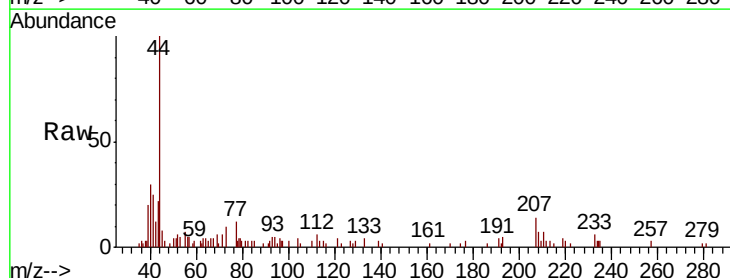
Acq: 7 May 2019 11:41

Tgt Ion: 94 Resp: 286

Ion Ratio Lower Upper

94 100

96 61.3 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

500

400

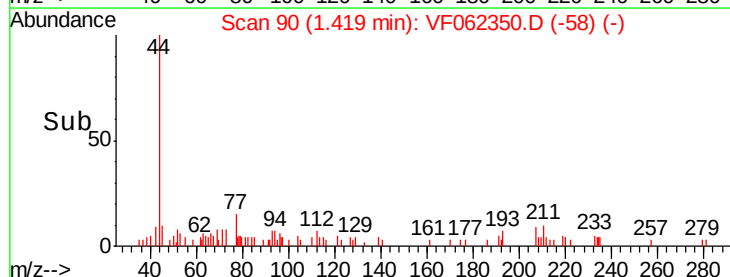
300

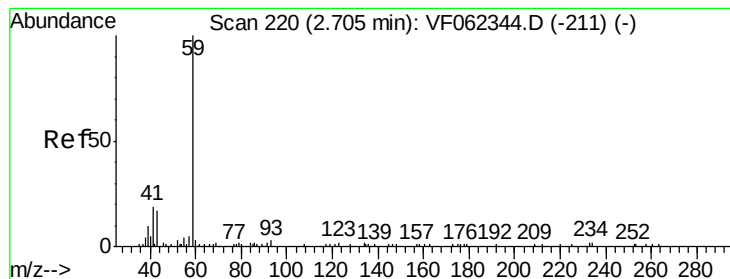
200

100

0

Time-->



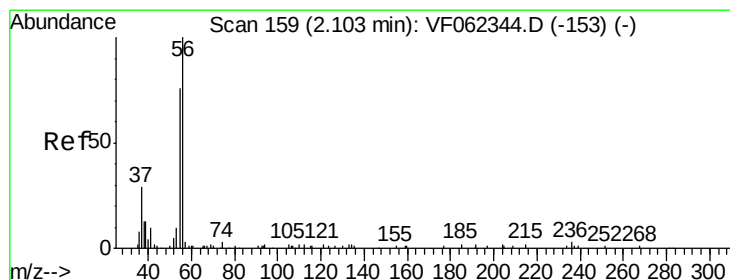
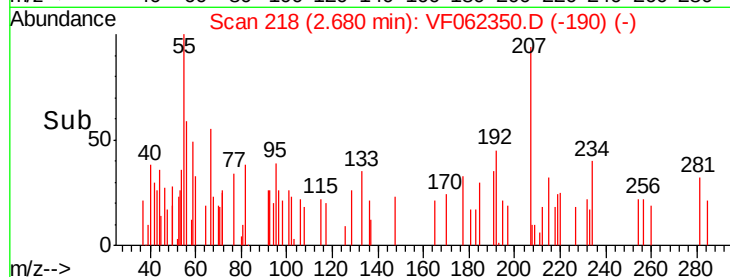
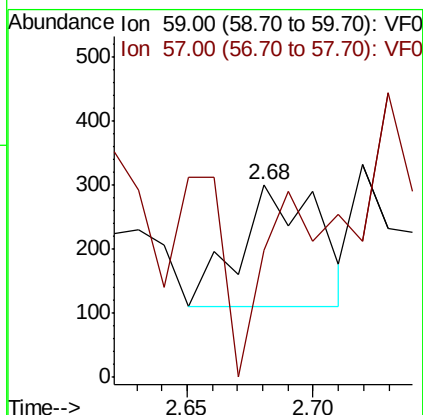
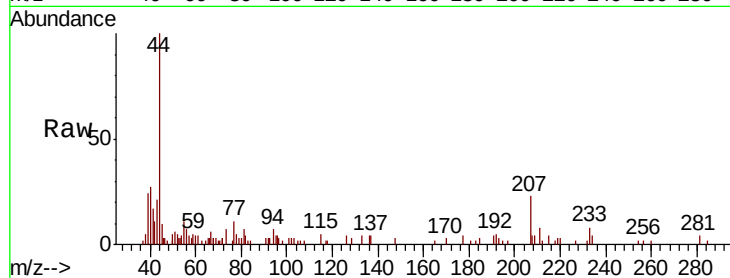


#11

Tert butyl alcohol
Concen: 2.389 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBL01

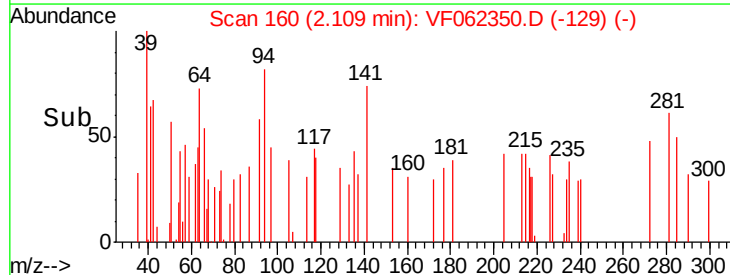
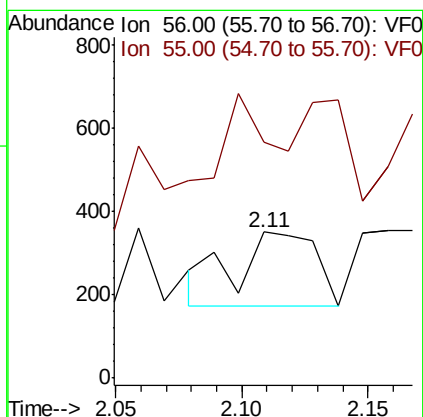
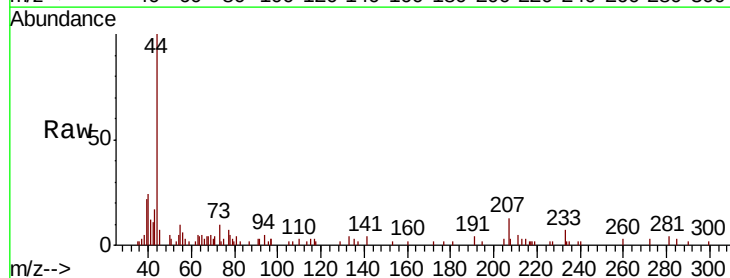
Tgt Ion: 59 Resp: 415
Ion Ratio Lower Upper
59 100
57 99.5 9.3 13.9#

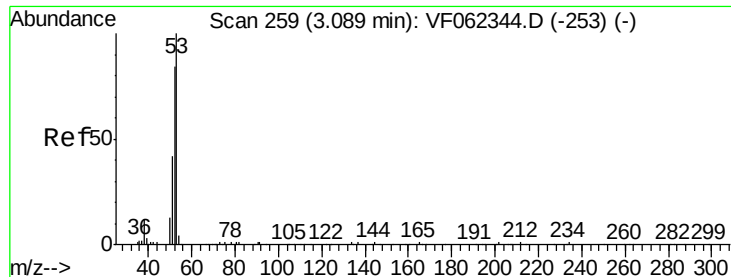


#13

Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Tgt Ion: 56 Resp: 396
Ion Ratio Lower Upper
56 100
55 164.9 58.4 87.6#





#15

Acrylonitrile

Concen: 4.075 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062350.D

Acq: 7 May 2019 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBL01

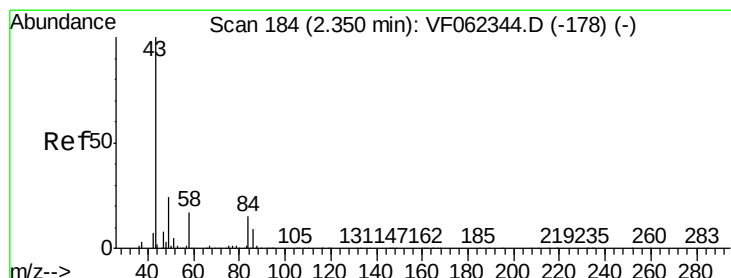
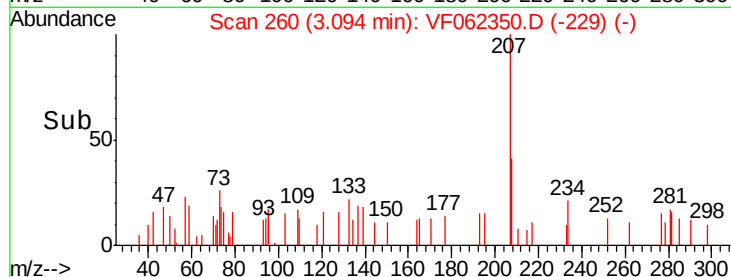
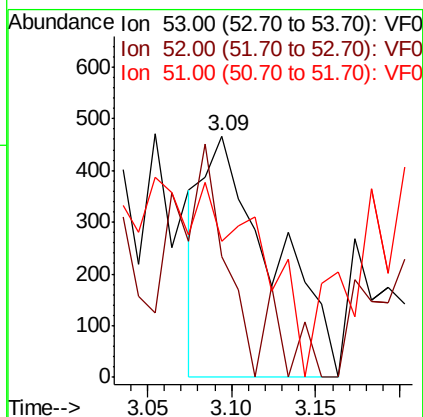
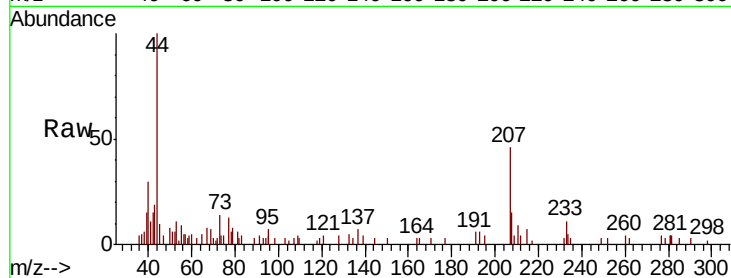
Tgt Ion: 53 Resp: 1341

Ion Ratio Lower Upper

53 100

52 65.0 77.2 115.8#

51 0.0 40.6 61.0#



#16

Acetone

Concen: 4.648 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062350.D

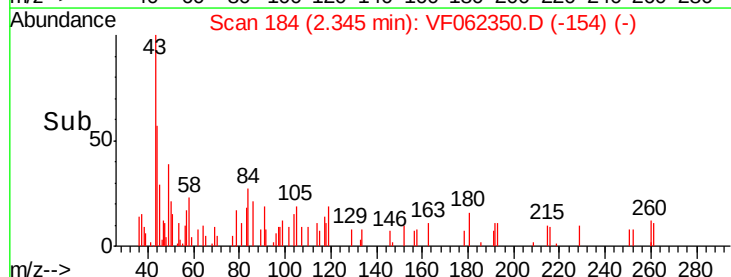
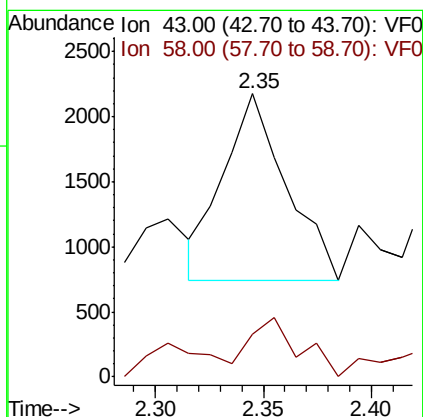
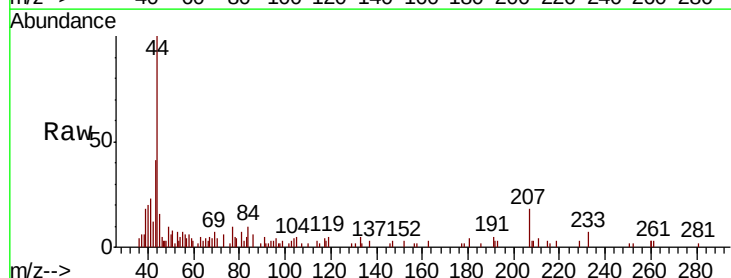
Acq: 7 May 2019 11:41

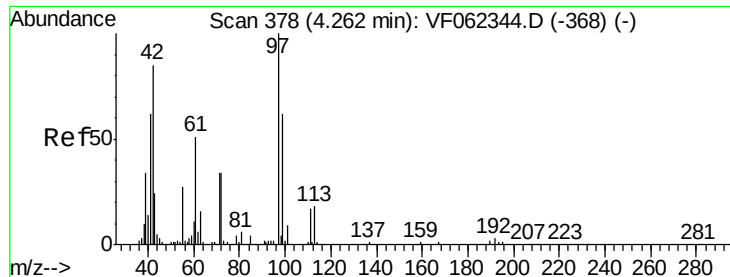
Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

58 22.9 13.1 19.7#





#29

Tetrahydrofuran

Concen: 2.741 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062350.D

Acq: 7 May 2019 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBL01

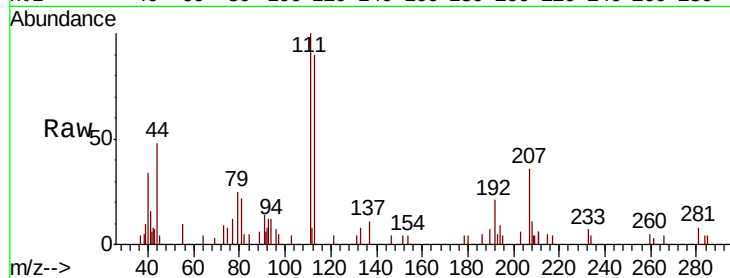
Tgt Ion: 42 Resp: 984

Ion Ratio Lower Upper

42 100

72 8.7 31.4 47.0#

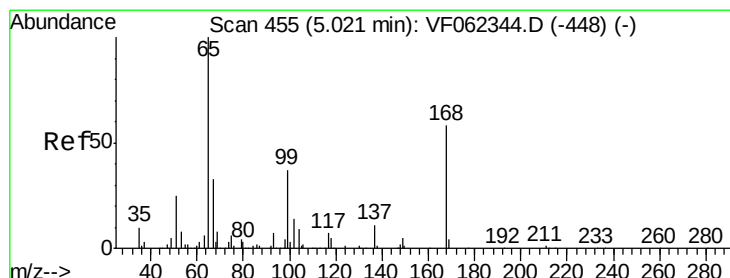
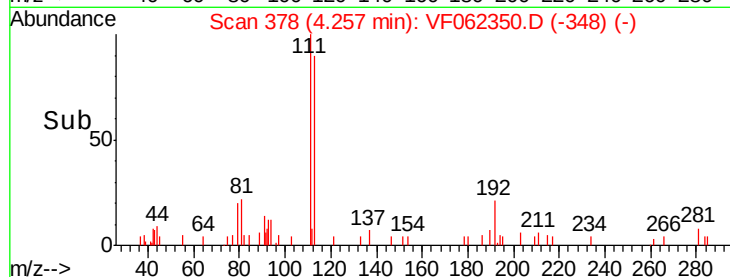
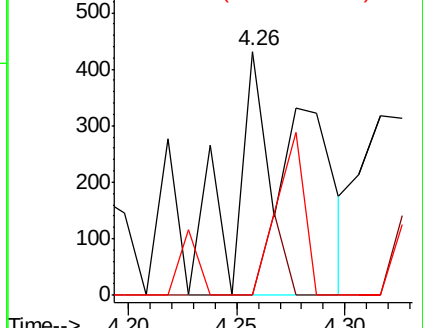
71 26.1 31.7 47.5#



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: 53.827 ug/l

RT: 5.03 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF062350.D

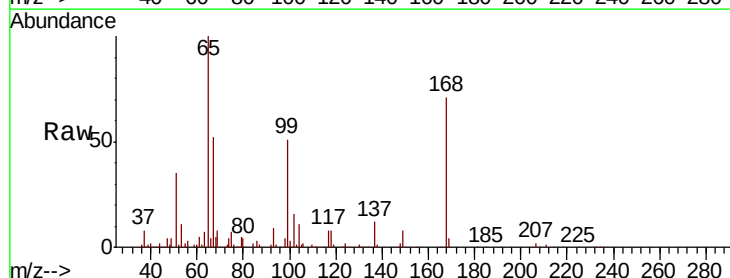
Acq: 7 May 2019 11:41

Tgt Ion: 65 Resp: 165443

Ion Ratio Lower Upper

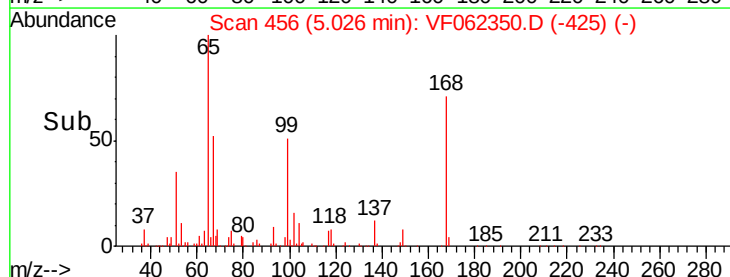
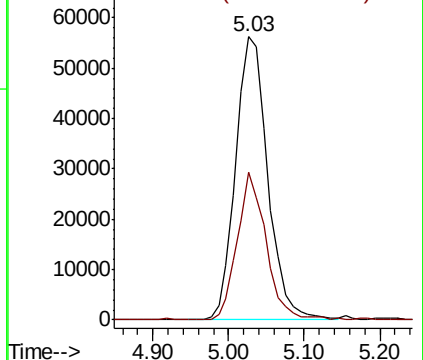
65 100

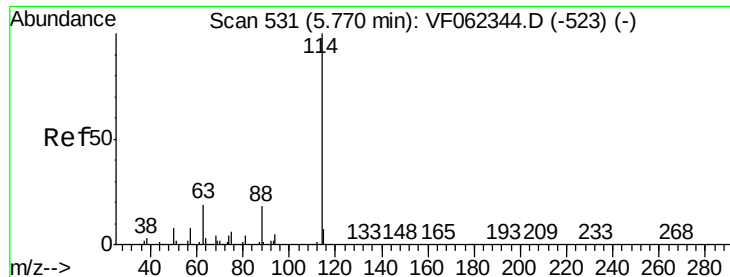
67 47.1 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

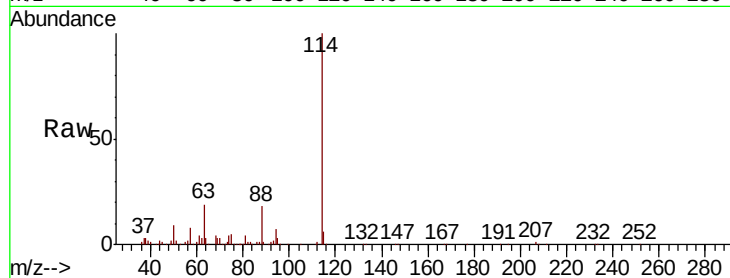




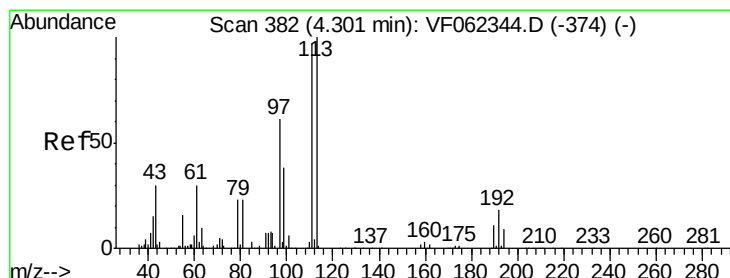
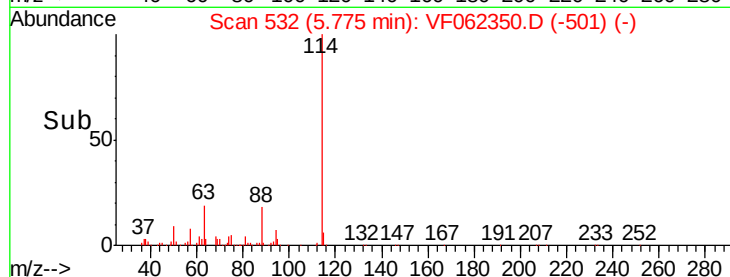
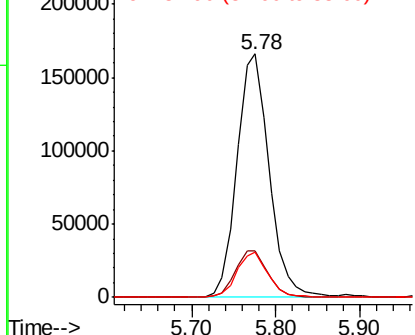
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062350.D
 Acq: 7 May 2019 11:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBL01

Tgt Ion:114 Resp: 442762
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.4
 88 18.4 0.0 36.4

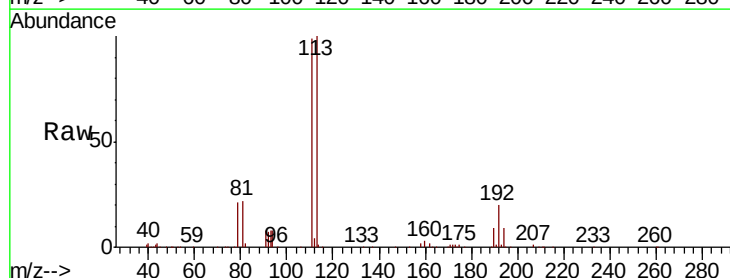


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 87.90 (87.60 to 88.60): VF0

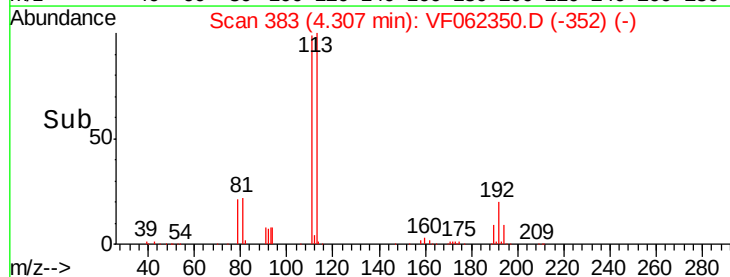
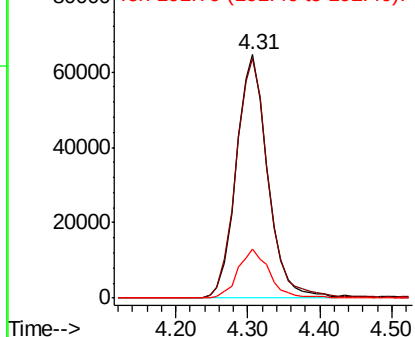


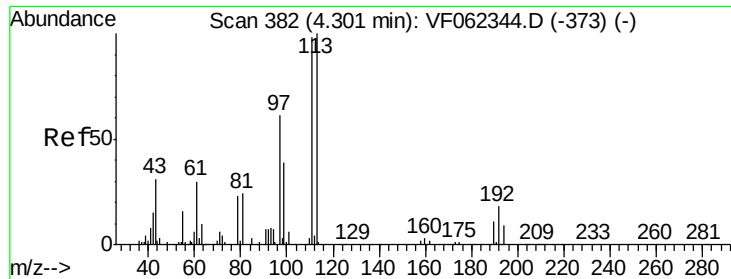
#35
 Dibromofluoromethane
 Concen: 55.495 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062350.D
 Acq: 7 May 2019 11:41

Tgt Ion:113 Resp: 195755
 Ion Ratio Lower Upper
 113 100
 111 100.8 79.4 119.0
 192 20.2 16.0 24.0



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

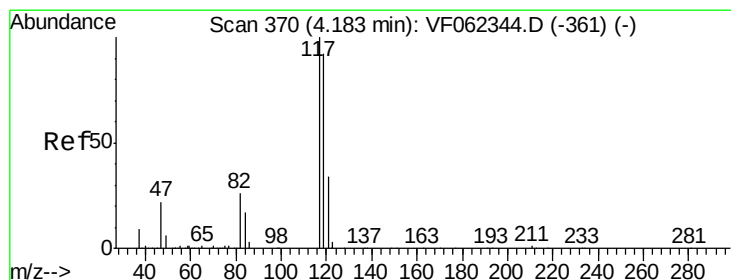
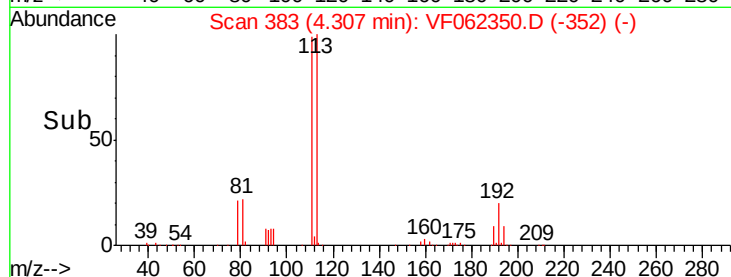
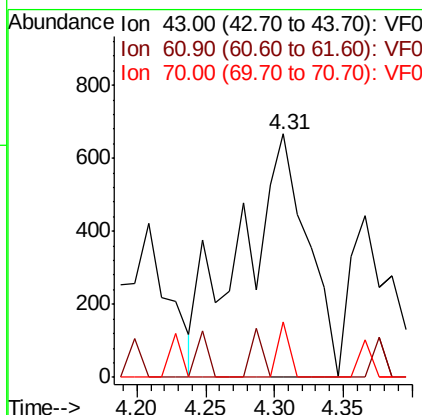
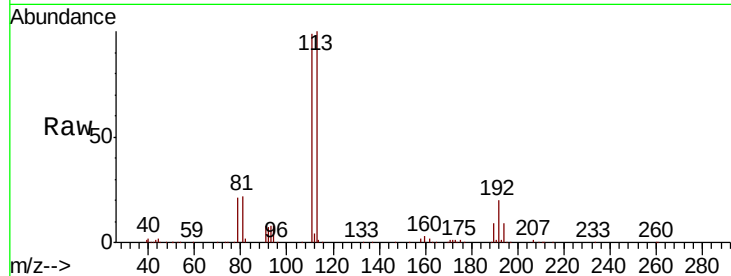




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

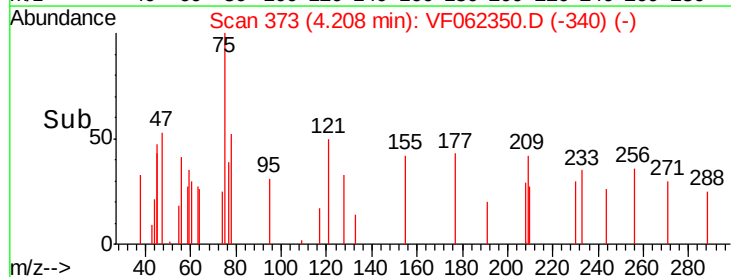
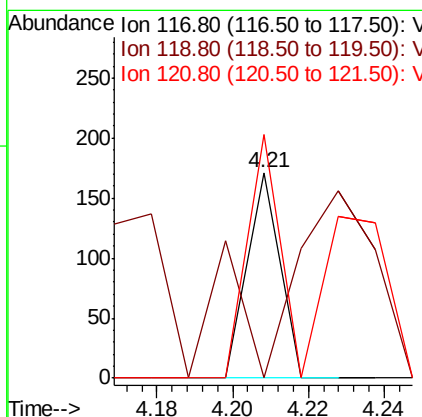
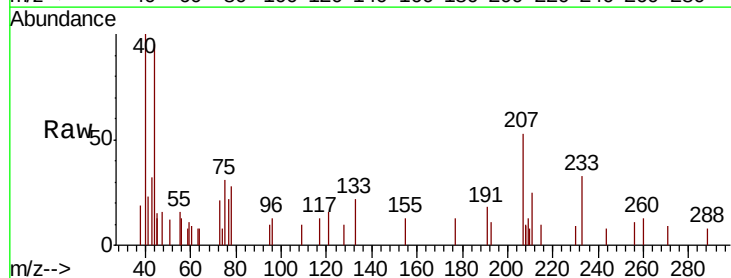
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBL01

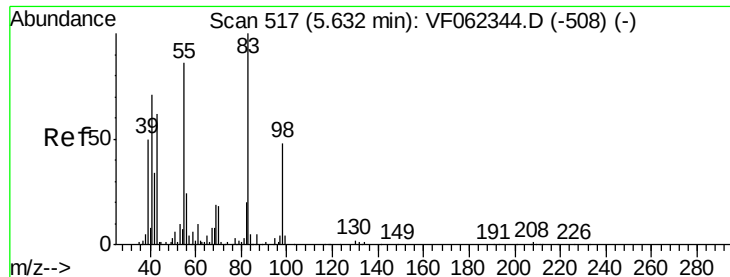
Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
61 3.5 0.0 0.0#
70 4.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Tgt Ion: 117 Resp: 101
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 118.7 27.4 41.0#





#39

Methylcyclohexane

Concen: 1.562 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF062350.D

Acq: 7 May 2019 11:41

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBL01

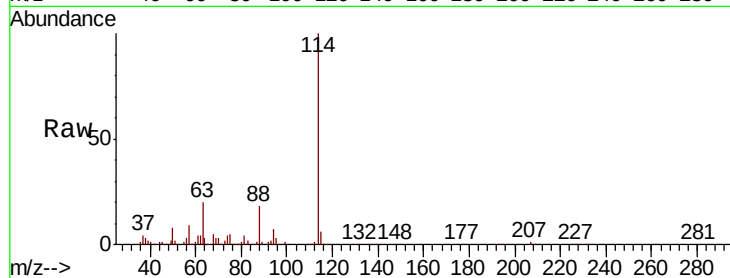
Tgt Ion: 83 Resp: 5960

Ion Ratio Lower Upper

83 100

55 28.1 69.0 103.6#

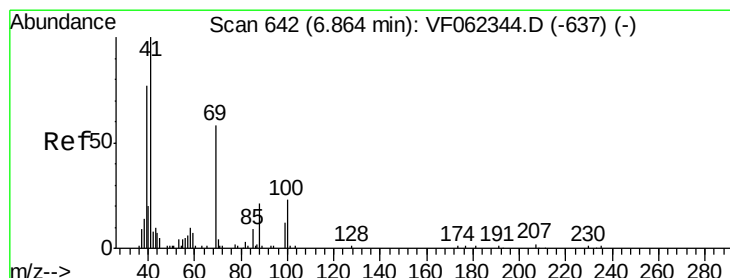
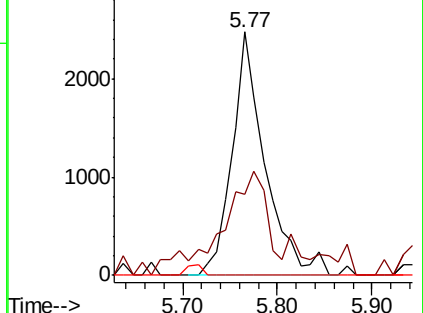
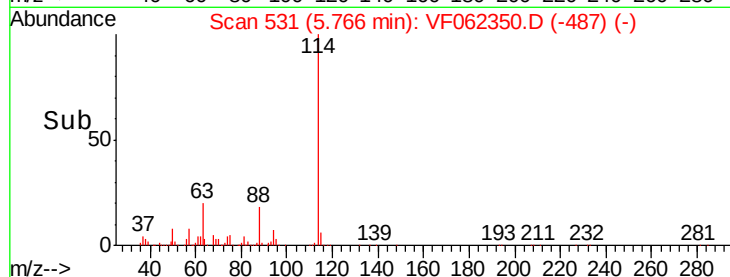
98 0.0 38.6 58.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062350.D

Acq: 7 May 2019 11:41

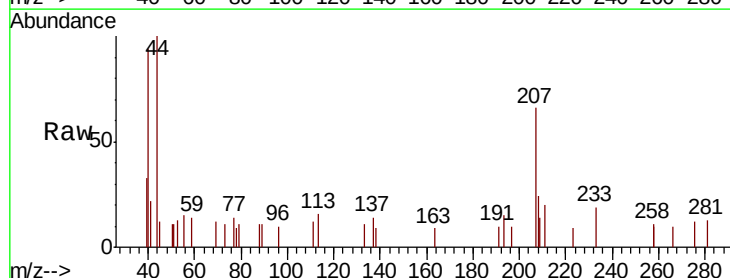
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 124.7 55.6 83.4#

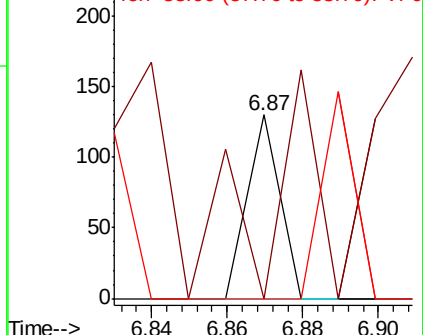
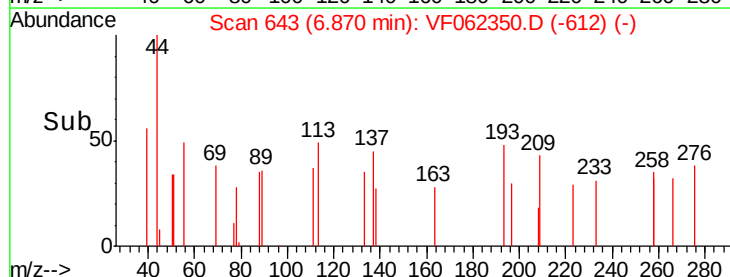
58 113.0 52.8 79.2#

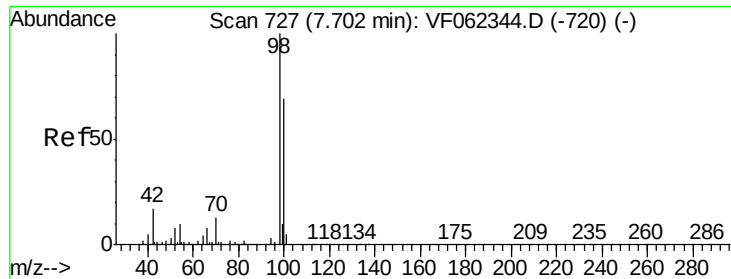


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

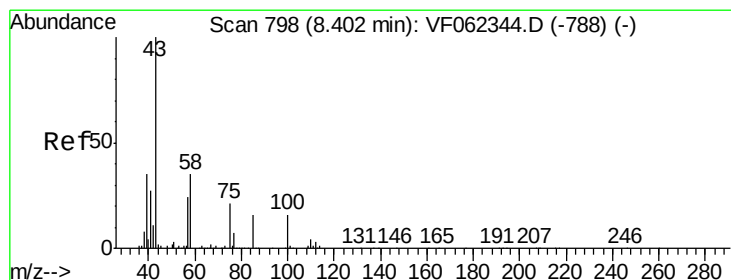
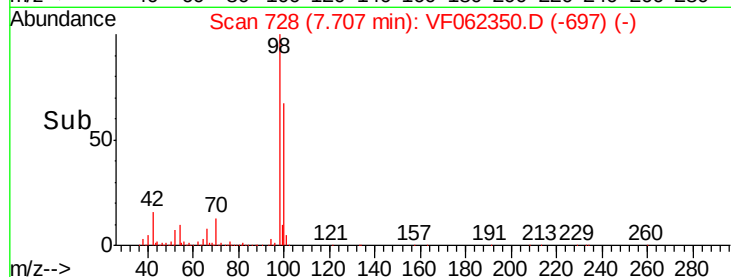
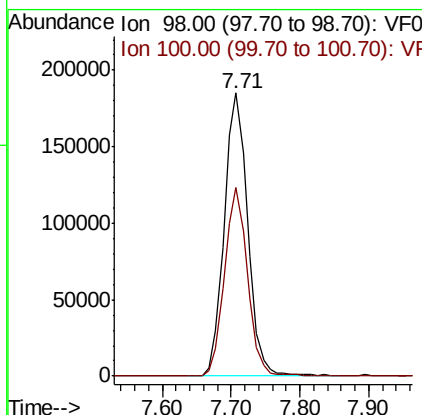
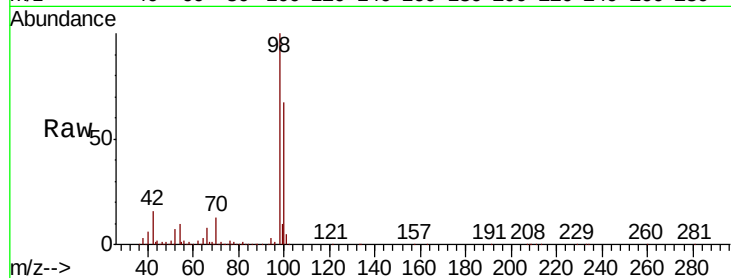




#50
Toluene-d8
Concen: 51.374 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

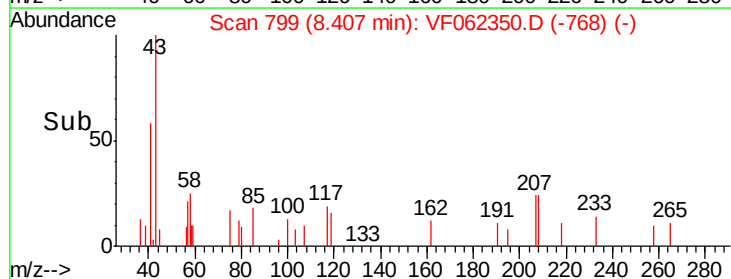
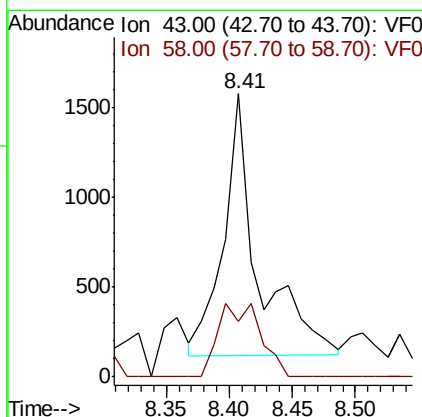
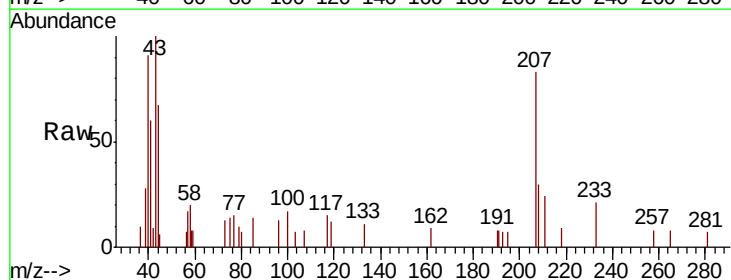
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBL01

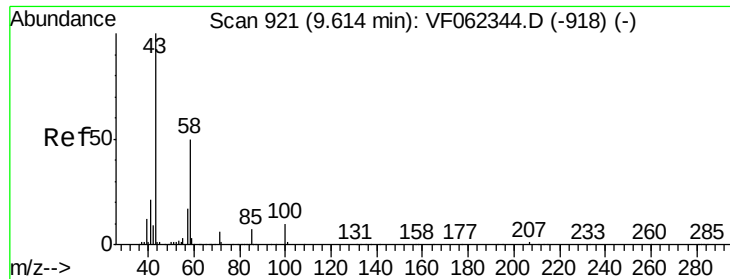
Tgt Ion: 98 Resp: 438667
Ion Ratio Lower Upper
98 100
100 65.1 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 2.084 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Tgt Ion: 43 Resp: 2732
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.6

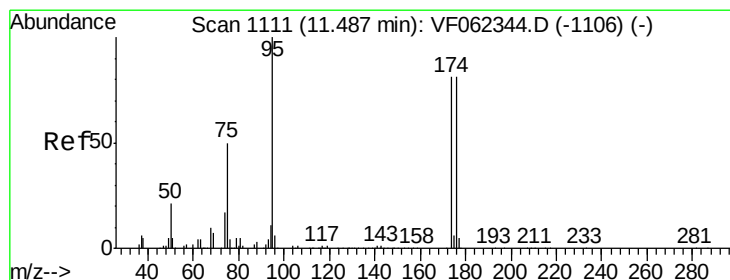
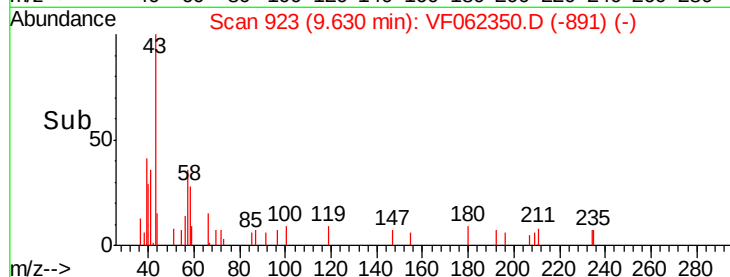
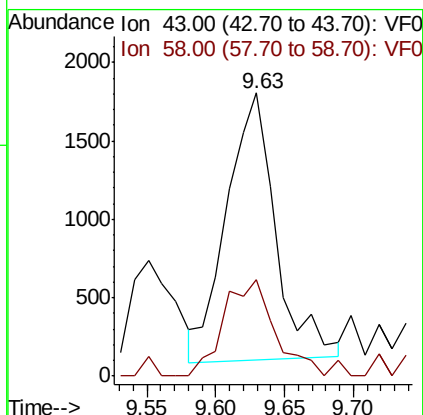
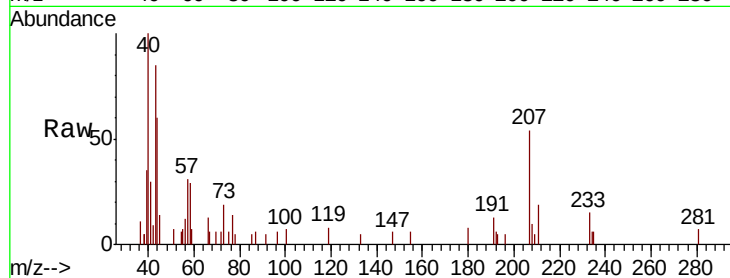




#59
2-Hexanone
Concen: 4.662 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

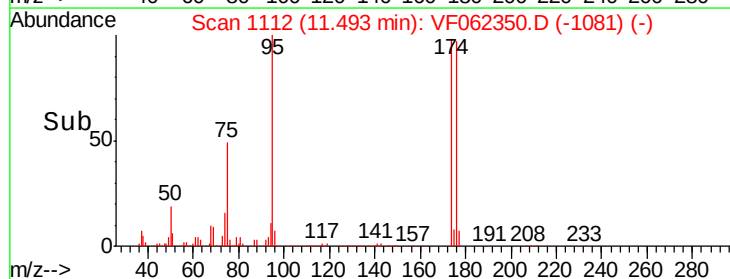
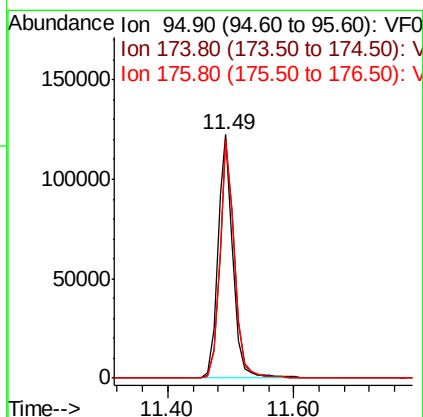
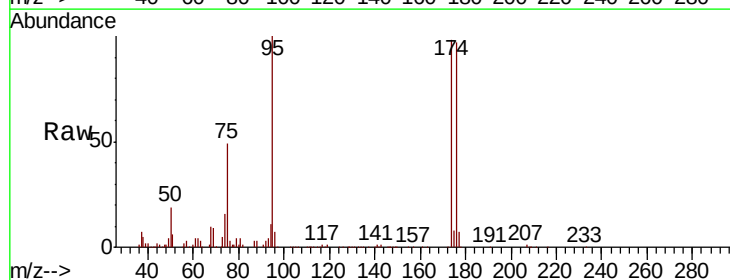
Instrument :
MSVOA_F
ClientSampleId :
VF0507SBL01

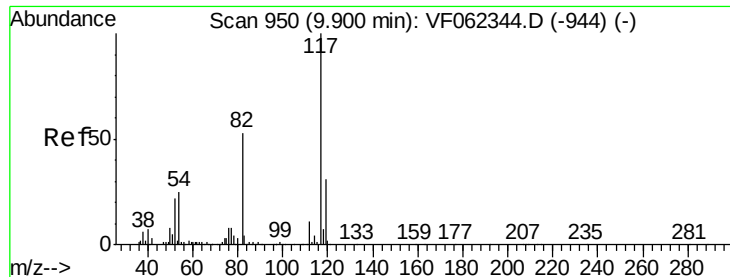
Tgt Ion: 43 Resp: 4227
Ion Ratio Lower Upper
43 100
58 38.9 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 52.885 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Tgt Ion: 95 Resp: 203728
Ion Ratio Lower Upper
95 100
174 95.3 0.0 191.8
176 95.3 0.0 193.2

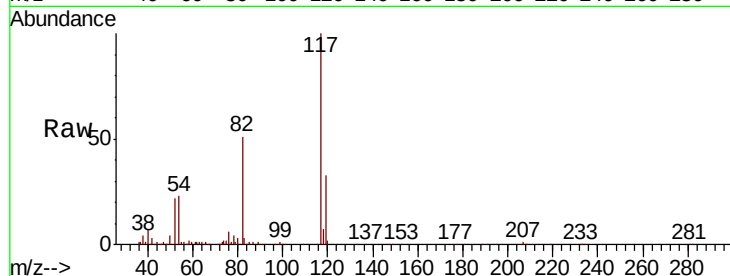




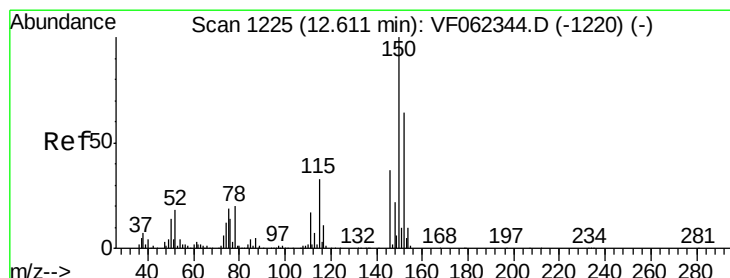
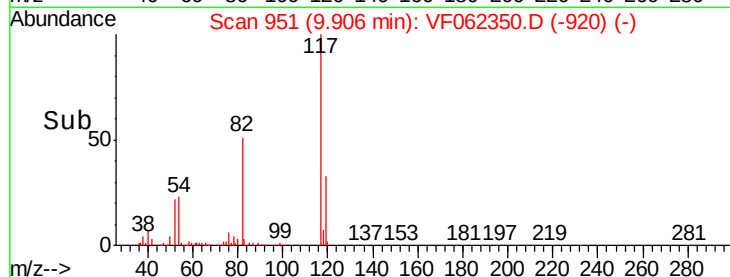
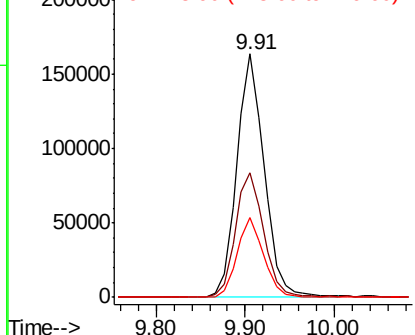
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBL01

Tgt Ion:117 Resp: 350843
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.2
119 32.8 25.0 37.4

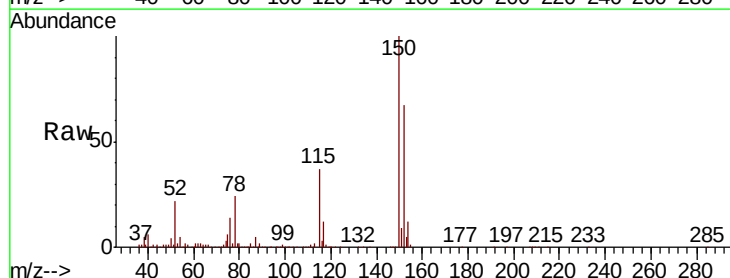


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062350.D
Acq: 7 May 2019 11:41

Tgt Ion:152 Resp: 237850
Ion Ratio Lower Upper
152 100
115 54.6 26.4 79.2
150 152.1 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

