

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
 Data File : VF062580.D
 Acq On : 14 May 2019 10:34
 Operator : FY/SY
 Sample : K2757-08
 Misc : 5.60g/5mL/MSVOA_F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS010-0612-01

Quant Time: May 14 11:06:10 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	5.08	168	315642	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	447099	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	335905	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	164462	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	141160	47.32	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.64%	
35) Dibromofluoromethane	4.34	113	159800	44.86	ug/l	0.03
Spiked Amount 50.000			Recovery	=	89.72%	
50) Toluene-d8	7.74	98	304498	35.32	ug/l	0.03
Spiked Amount 50.000			Recovery	=	70.64%	
62) 4-Bromofluorobenzene	11.51	95	127228	32.71	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.42%	

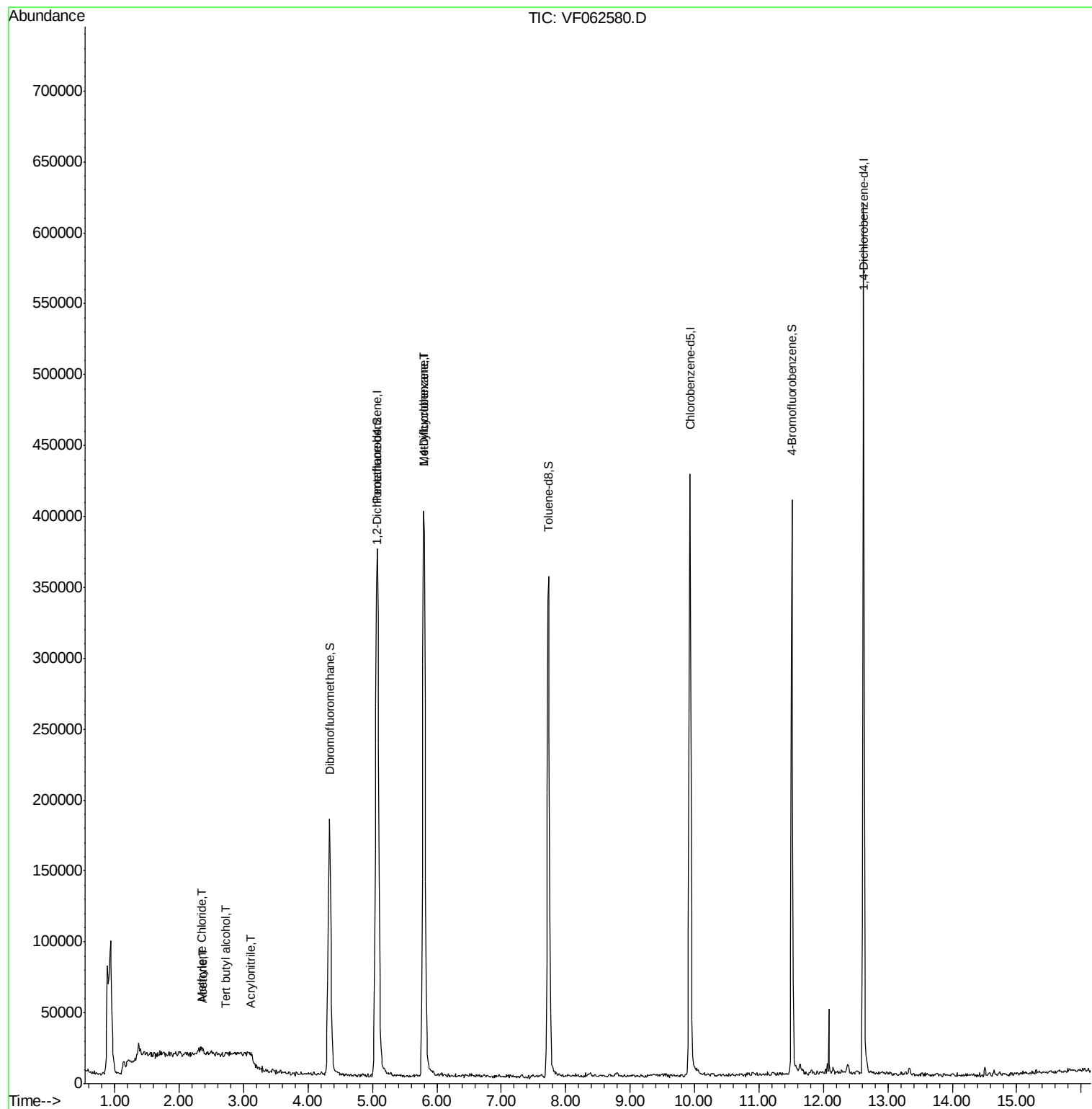
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.41	94	936	Below Cal	#	3
11) Tert butyl alcohol	2.71	59	1370	8.126	ug/l #	1
13) Acrolein	2.09	56	299	Below Cal	#	37
15) Acrylonitrile	3.10	53	981	3.072	ug/l #	24
16) Acetone	2.36	43	4446	7.368	ug/l #	87
18) Methyl Acetate	2.44	43	977	Below Cal	#	87
20) Methylene Chloride	2.33	84	3430	1.571	ug/l #	69
37) Ethyl Acetate	4.32	43	931	Below Cal	#	95
38) Carbon Tetrachloride	4.07	117	69	Below Cal	#	14
39) Methylcyclohexane	5.79	83	7689	1.996	ug/l #	38
49) 1,4-Dioxane	6.86	88	76	Below Cal	#	1

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051319\
Data File : VF062580.D
Acq On : 14 May 2019 10:34
Operator : FY/SY
Sample : K2757-08
Misc : 5.60g/5mL/MSVOA_F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
P021-SS010-0612-01

Quant Time: May 14 11:06:10 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: 5.08 min Scan# 462

Delta R.T. 0.03 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

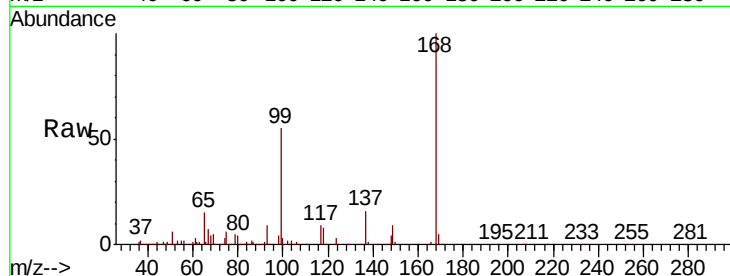
P021-SS010-0612-01

Tgt Ion:168 Resp: 315642

Ion Ratio Lower Upper

168 100

99 54.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

120000 Ion 98.90 (98.60 to 99.60): VF0

100000

80000

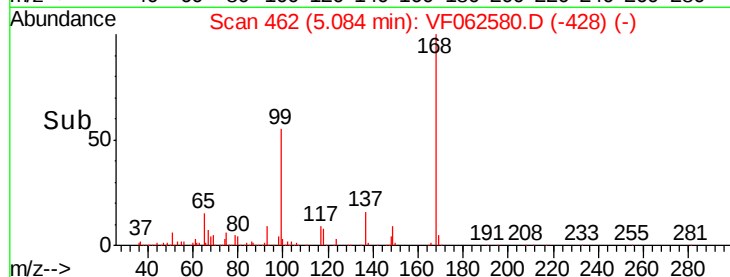
60000

40000

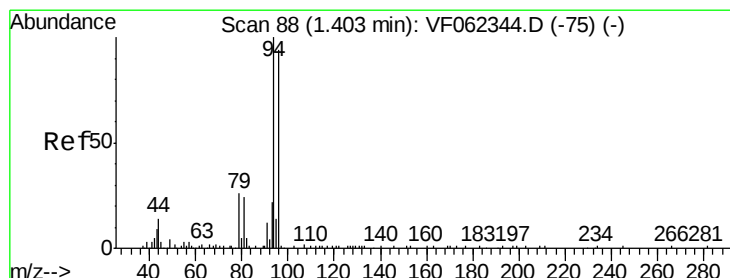
20000

0

Time-->



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062580.D

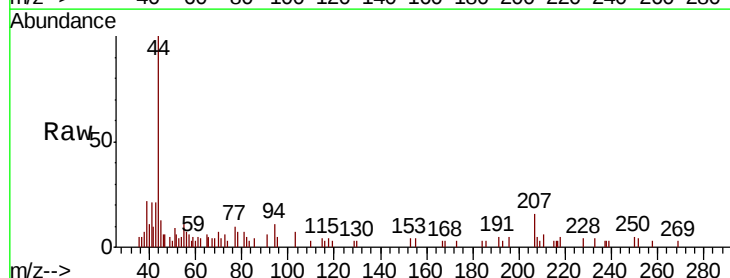
Acq: 14 May 2019 10:34

Tgt Ion: 94 Resp: 936

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

500 Ion 95.90 (95.60 to 96.60): VF0

400

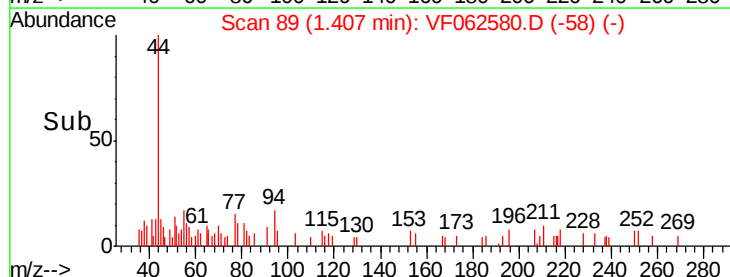
300

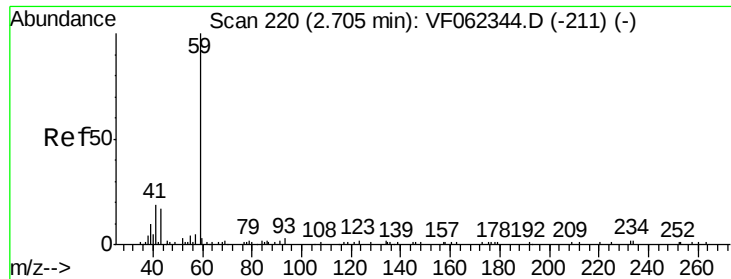
200

100

0

Time-->

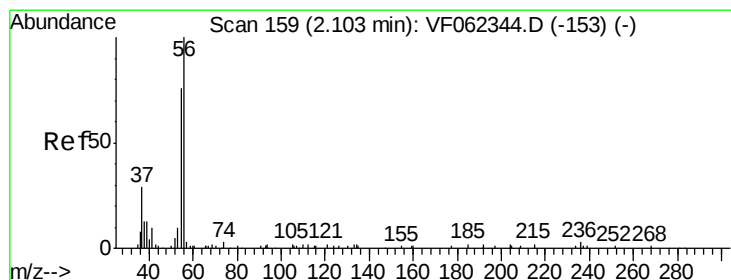
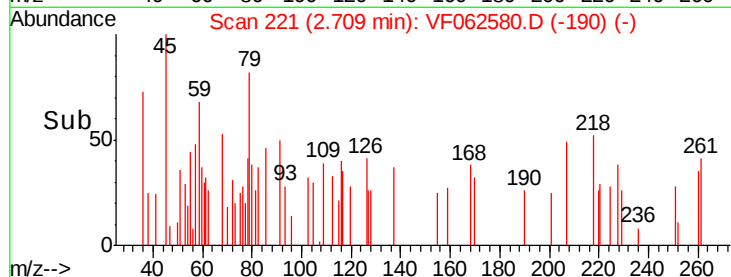
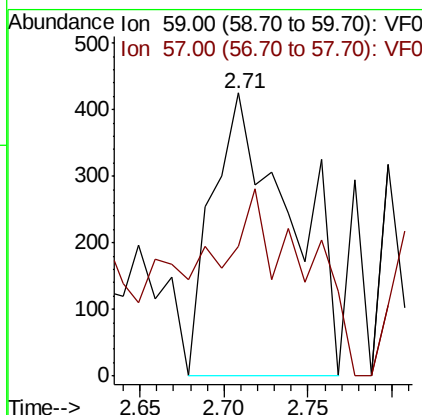
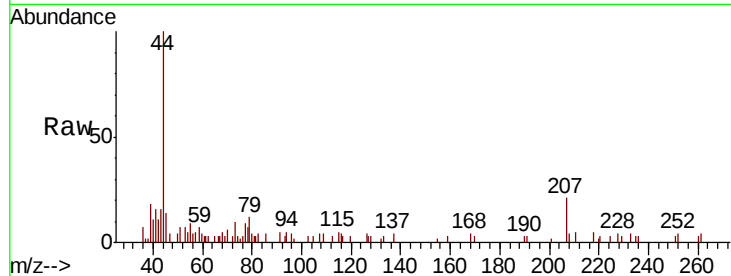




#11
Tert butyl alcohol
Concen: 8.126 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062580.D
Acq: 14 May 2019 10:34

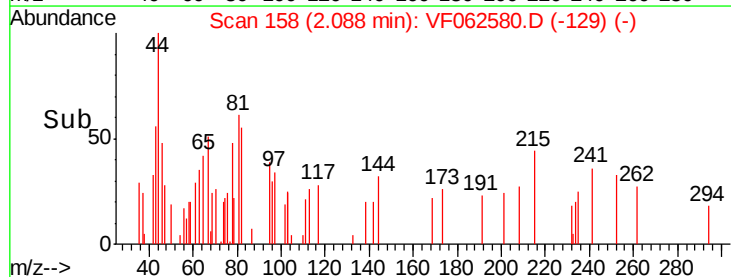
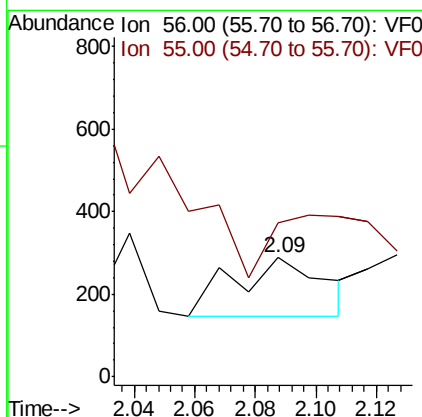
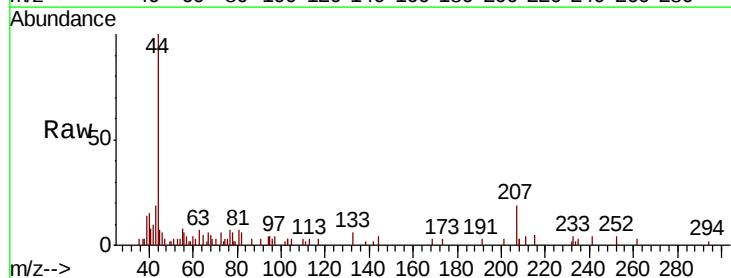
Instrument :
MSVOA_F
ClientSampleId :
P021-SS010-0612-01

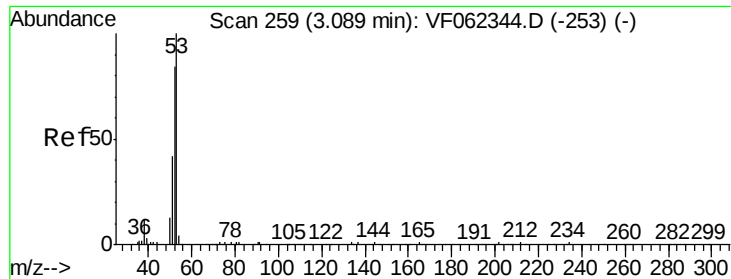
Tgt Ion: 59 Resp: 1370
Ion Ratio Lower Upper
59 100
57 56.8 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062580.D
Acq: 14 May 2019 10:34

Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 126.1 58.4 87.6#





#15

Acrylonitrile

Concen: 3.072 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

P021-SS010-0612-01

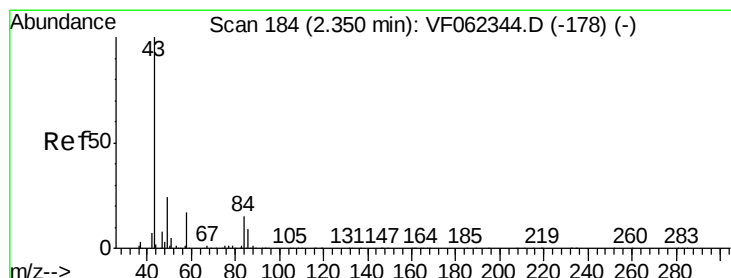
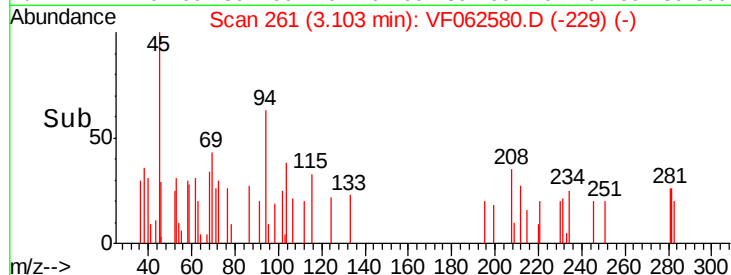
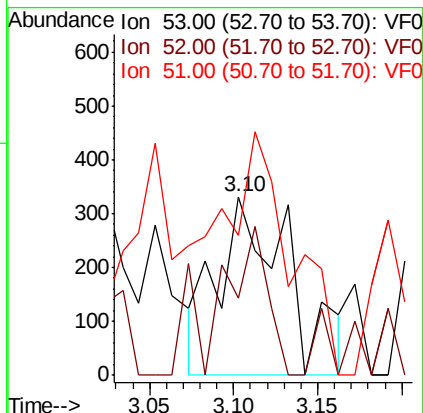
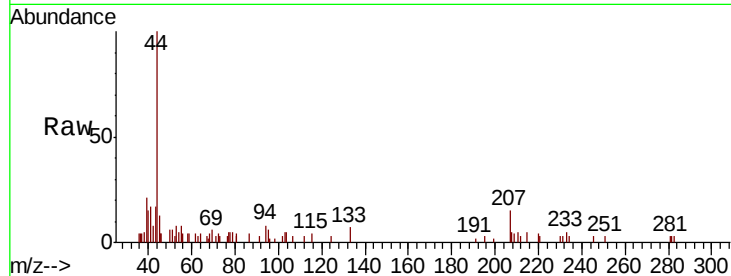
Tgt Ion: 53 Resp: 981

Ion Ratio Lower Upper

53 100

52 45.1 77.2 115.8#

51 134.1 40.6 61.0#



#16

Acetone

Concen: 7.368 ug/l

RT: 2.36 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062580.D

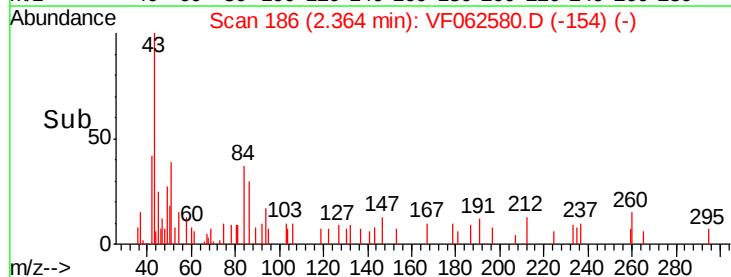
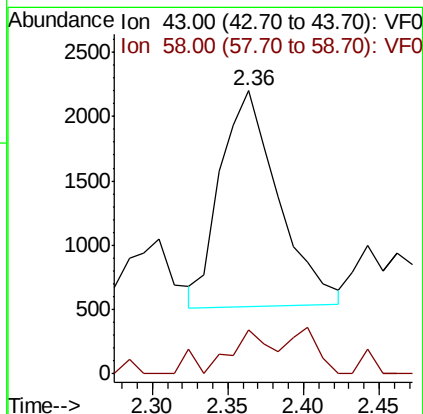
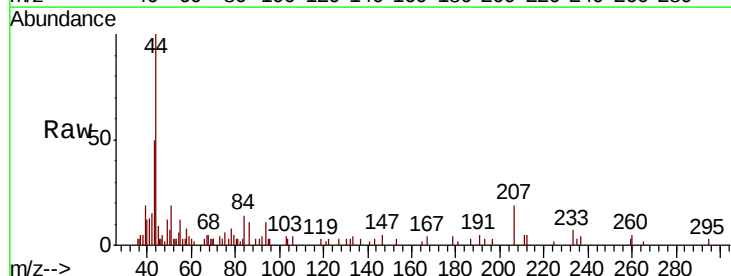
Acq: 14 May 2019 10:34

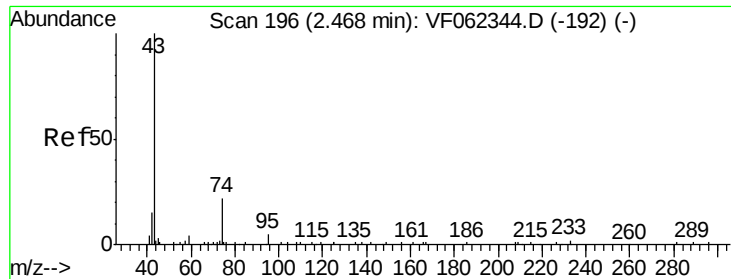
Tgt Ion: 43 Resp: 4446

Ion Ratio Lower Upper

43 100

58 21.8 13.1 19.7#

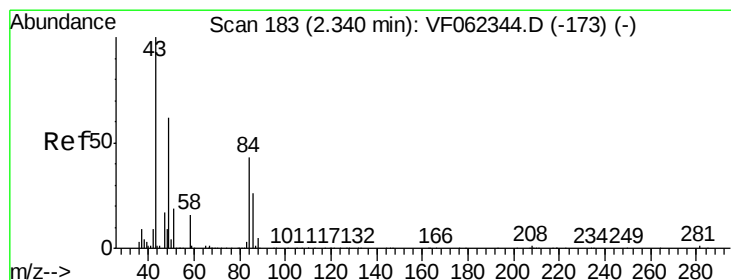
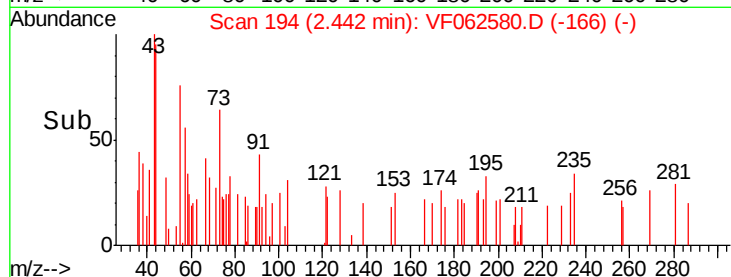
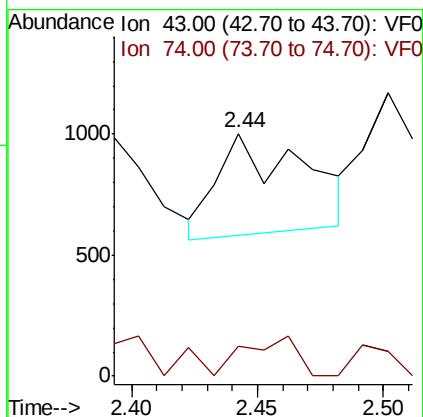
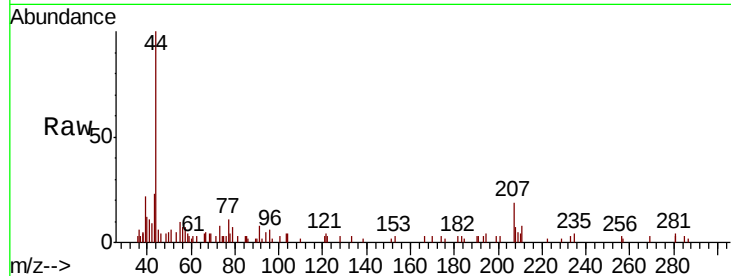




#18
Methyl Acetate
Concen: Below Cal
RT: 2.44 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF062580.D
Acq: 14 May 2019 10:34

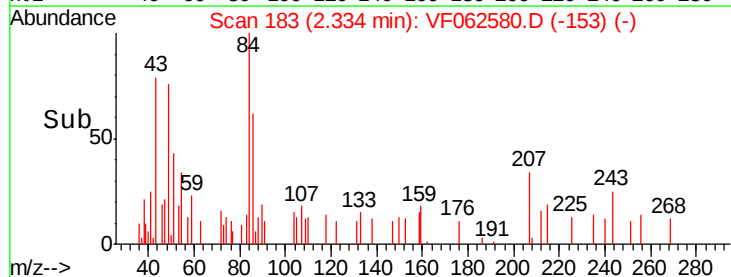
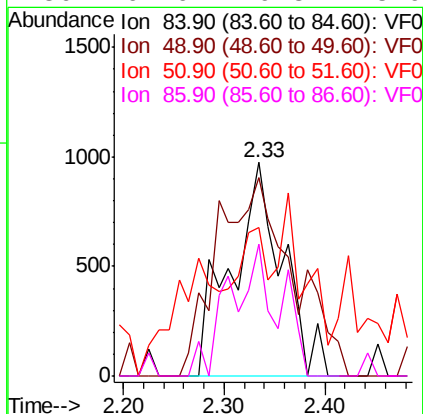
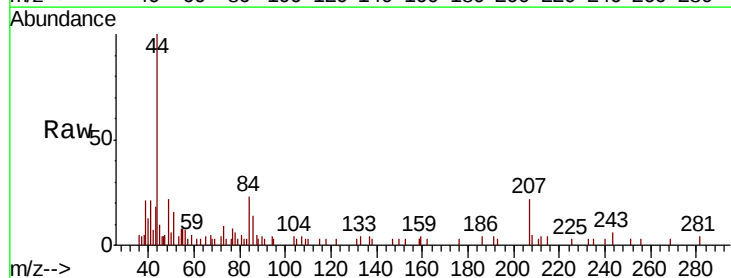
Instrument :
MSVOA_F
ClientSampleId :
P021-SS010-0612-01

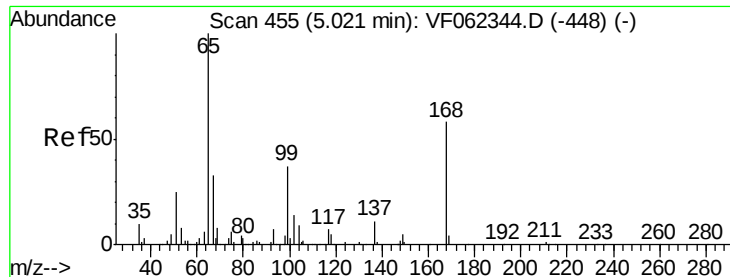
Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
74 24.4 15.0 22.4#



#20
Methylene Chloride
Concen: 1.571 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062580.D
Acq: 14 May 2019 10:34

Tgt Ion: 84 Resp: 3430
Ion Ratio Lower Upper
84 100
49 81.7 117.5 176.3#
51 42.5 37.0 55.4
86 61.6 49.3 73.9





#33

1,2-Dichloroethane-d4

Concen: 47.322 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

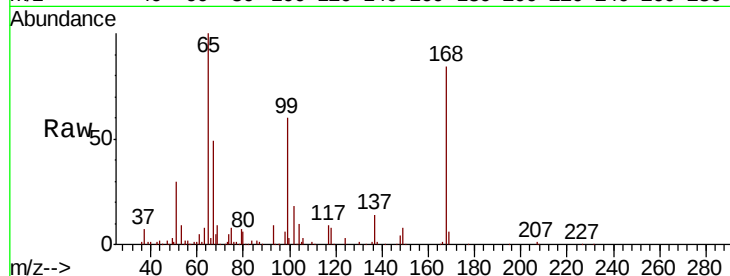
P021-SS010-0612-01

Tgt Ion: 65 Resp: 141160

Ion Ratio Lower Upper

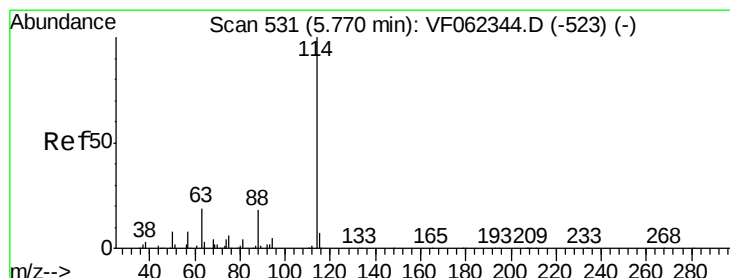
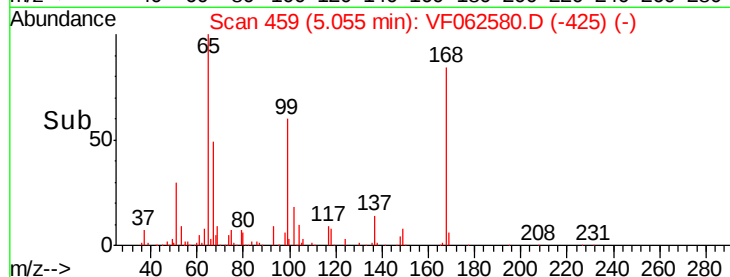
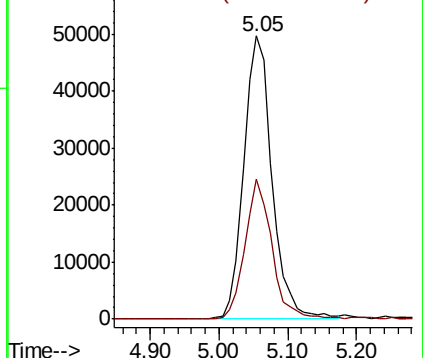
65 100

67 47.3 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: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

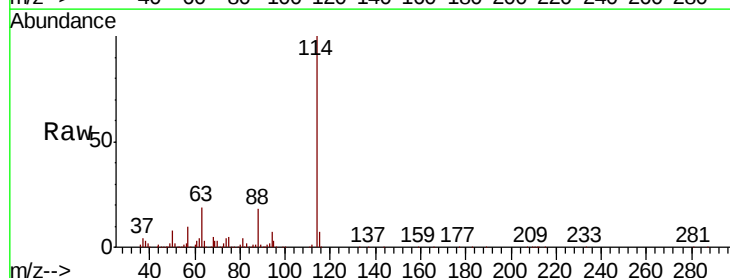
Tgt Ion: 114 Resp: 447099

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

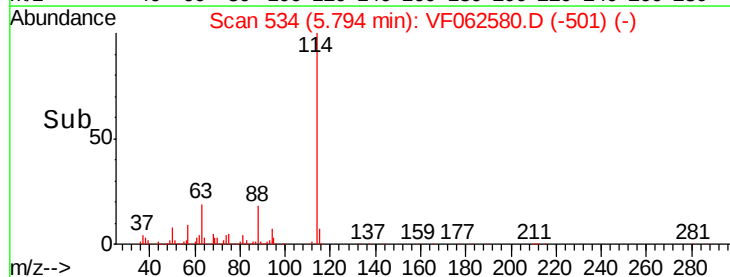
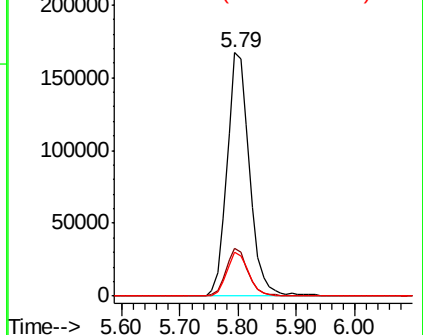
88 17.8 0.0 36.4

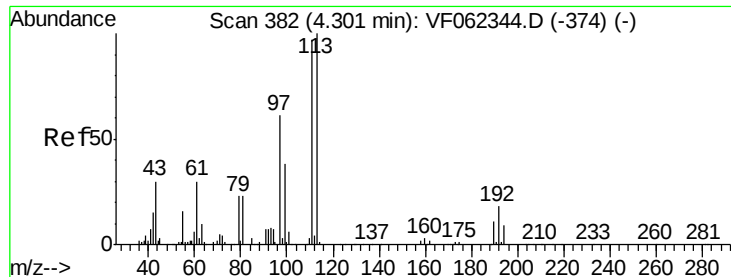


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 44.863 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.03 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

P021-SS010-0612-01

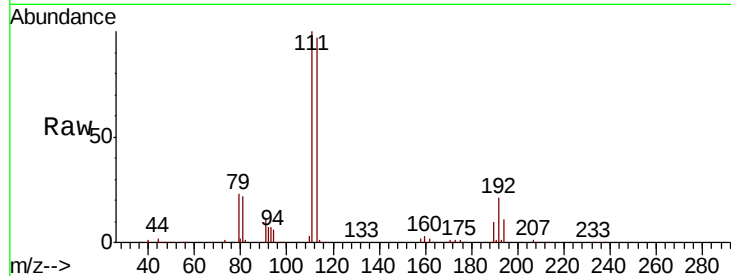
Tgt Ion:113 Resp: 159800

Ion Ratio Lower Upper

113 100

111 103.9 79.4 119.0

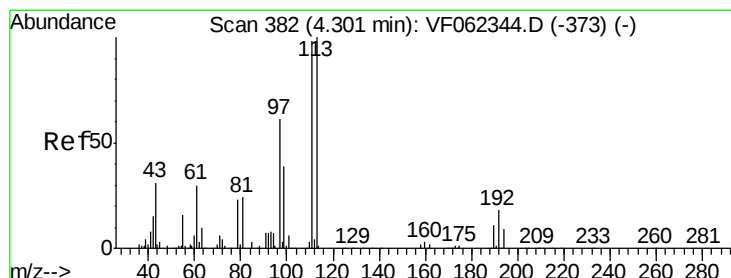
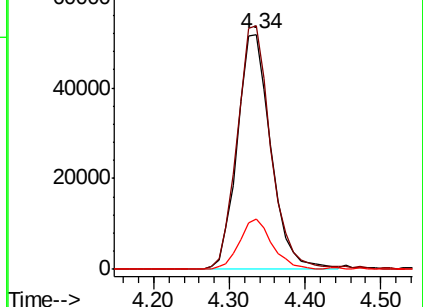
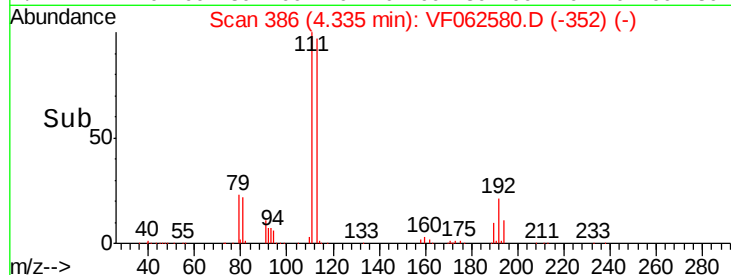
192 21.0 16.0 24.0



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: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

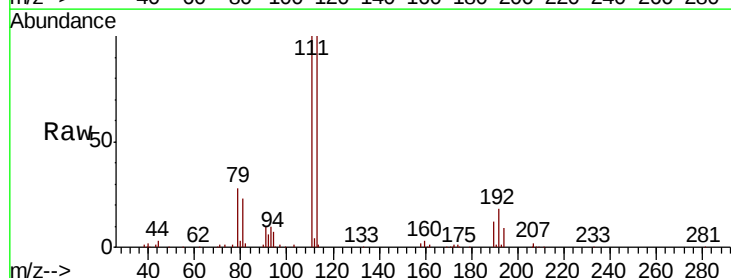
Tgt Ion: 43 Resp: 931

Ion Ratio Lower Upper

43 100

61 6.4 0.0 0.0#

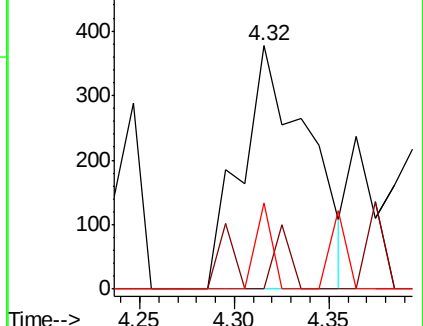
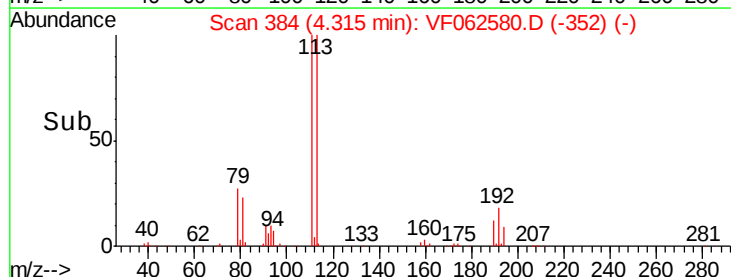
70 8.5 8.2 12.2

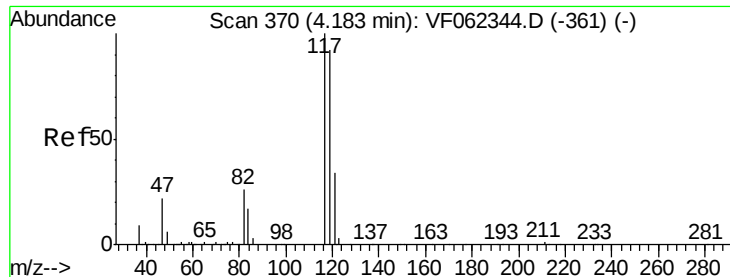


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.07 min Scan# 359

Delta R.T. -0.11 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

P021-SS010-0612-01

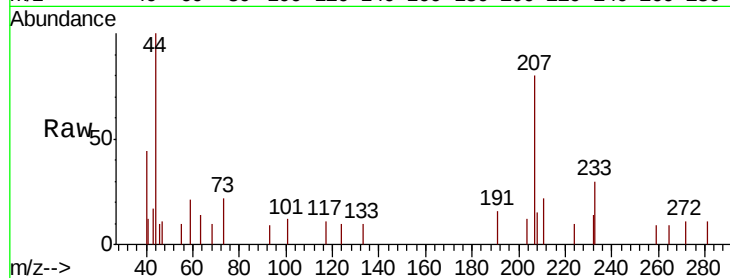
Tgt Ion:117 Resp: 69

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

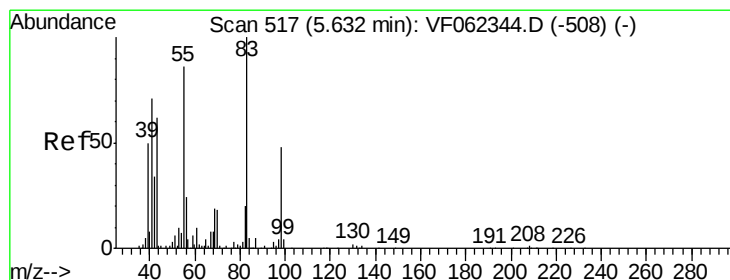
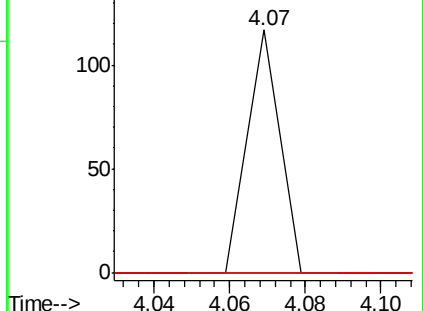
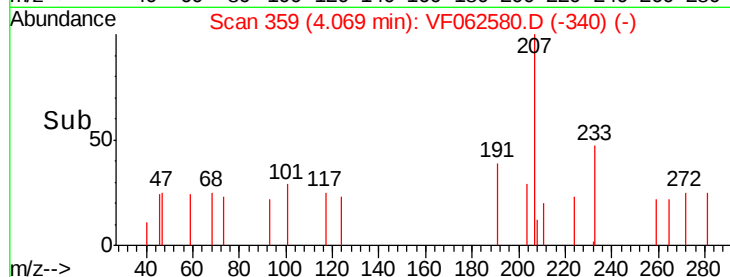
121 0.0 27.4 41.0#



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



#39

Methylcyclohexane

Concen: 1.996 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.16 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

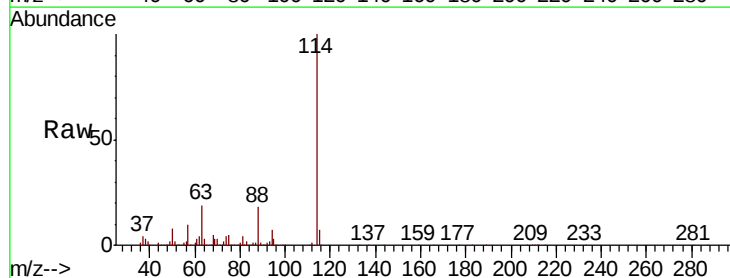
Tgt Ion: 83 Resp: 7689

Ion Ratio Lower Upper

83 100

55 34.7 69.0 103.6#

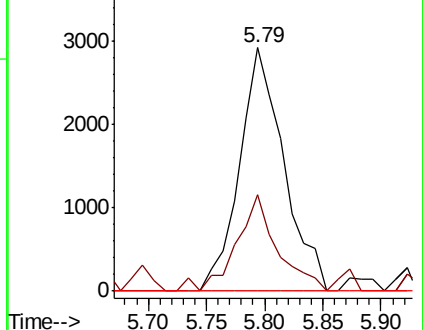
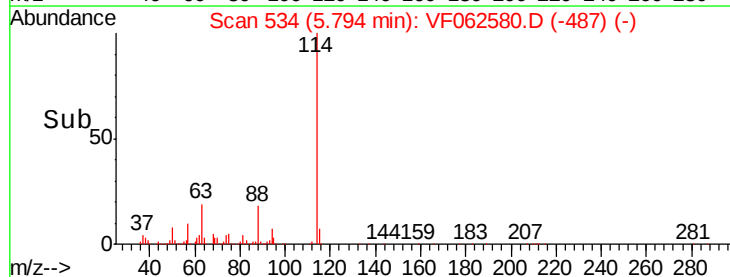
98 0.0 38.6 58.0#

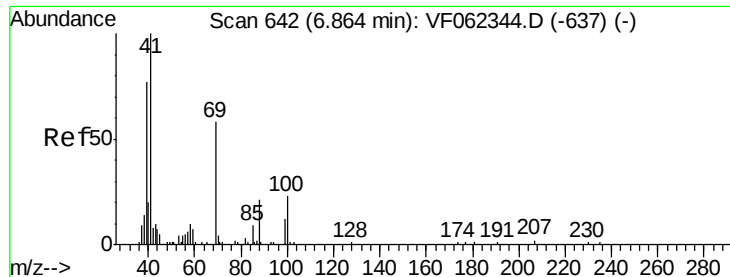


Abundance Ion 83.00 (82.70 to 83.70): VF0

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: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

P021-SS010-0612-01

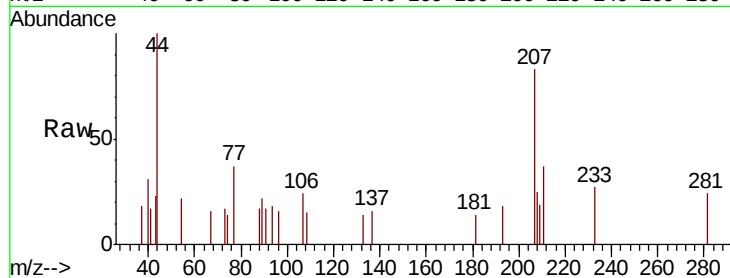
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 322.4 55.6 83.4#

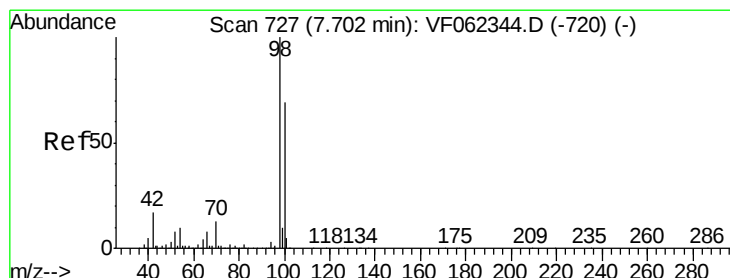
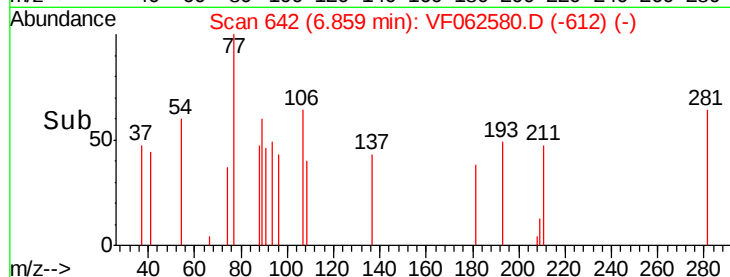
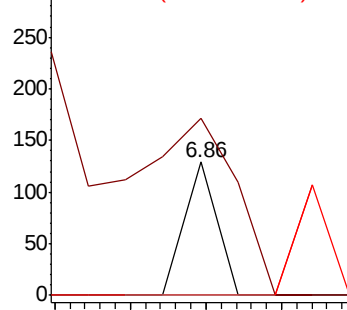
58 0.0 52.8 79.2#



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: 35.315 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.03 min

Lab File: VF062580.D

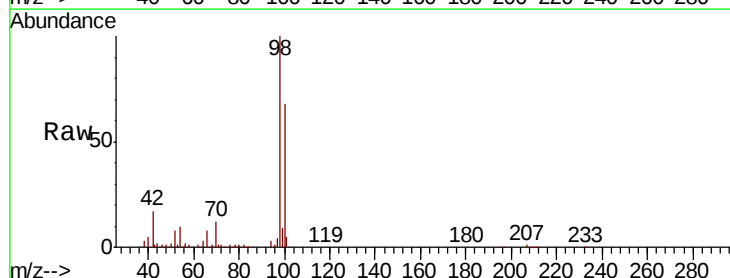
Acq: 14 May 2019 10:34

Tgt Ion: 98 Resp: 304498

Ion Ratio Lower Upper

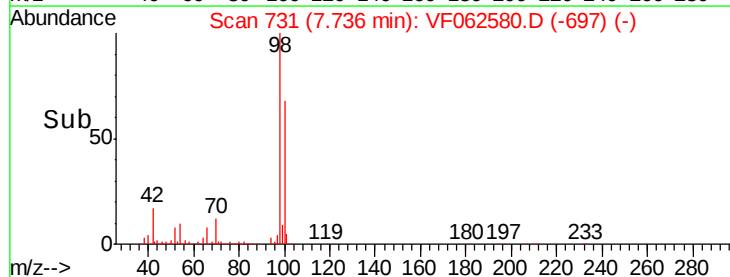
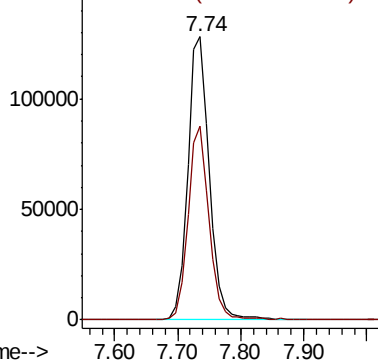
98 100

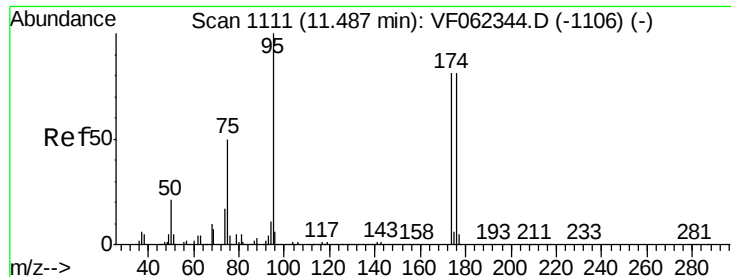
100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 32.706 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

P021-SS010-0612-01

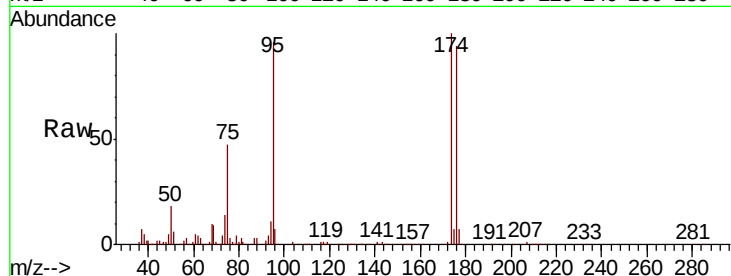
Tgt Ion: 95 Resp: 127228

Ion Ratio Lower Upper

95 100

174 98.6 0.0 191.8

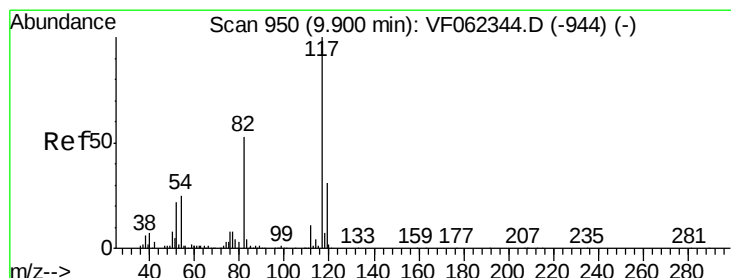
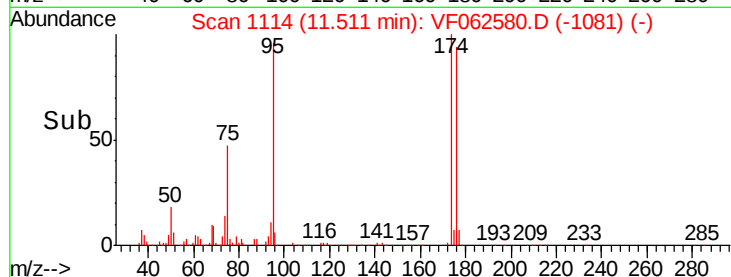
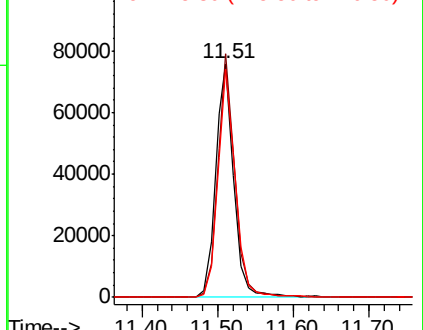
176 94.6 0.0 193.2



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: 9.93 min Scan# 954

Delta R.T. 0.03 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

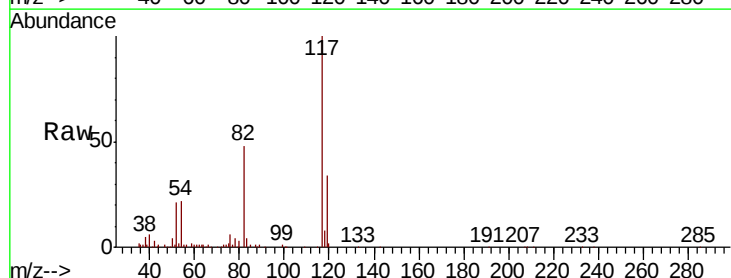
Tgt Ion: 117 Resp: 335905

Ion Ratio Lower Upper

117 100

82 48.3 42.2 63.2

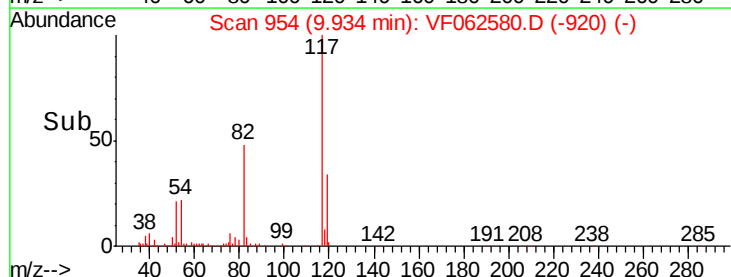
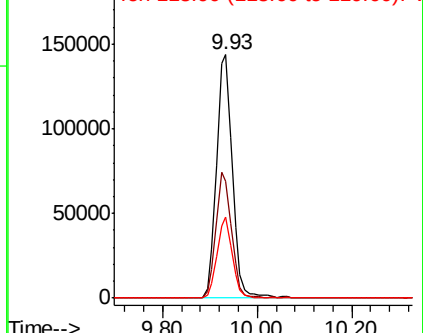
119 33.5 25.0 37.4

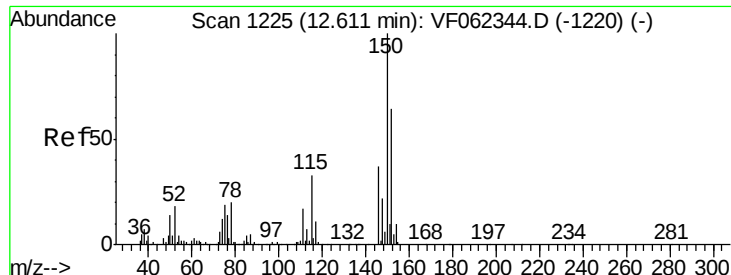


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062580.D

Acq: 14 May 2019 10:34

Instrument :

MSVOA_F

ClientSampleId :

P021-SS010-0612-01

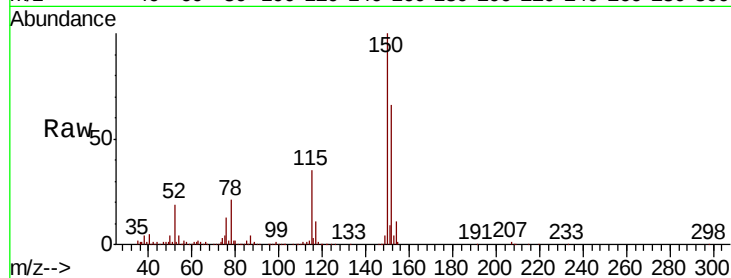
Tgt Ion:152 Resp: 164462

Ion Ratio Lower Upper

152 100

115 53.0 26.4 79.2

150 151.0 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

