

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062595.D
 Acq On : 14 May 2019 22:33
 Operator : FY/SY
 Sample : K2823-01
 Misc : 6.15g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 10-B

Quant Time: May 15 05:18:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	675597	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.79	114	1180817	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	752790	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	272125	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	178250	34.92	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	69.84%	
35) Dibromofluoromethane	4.32	113	327378	37.25	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	74.50%	
50) Toluene-d8	7.72	98	678886	32.78	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	65.56%	
62) 4-Bromofluorobenzene	11.51	95	192269	26.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	53.16%	

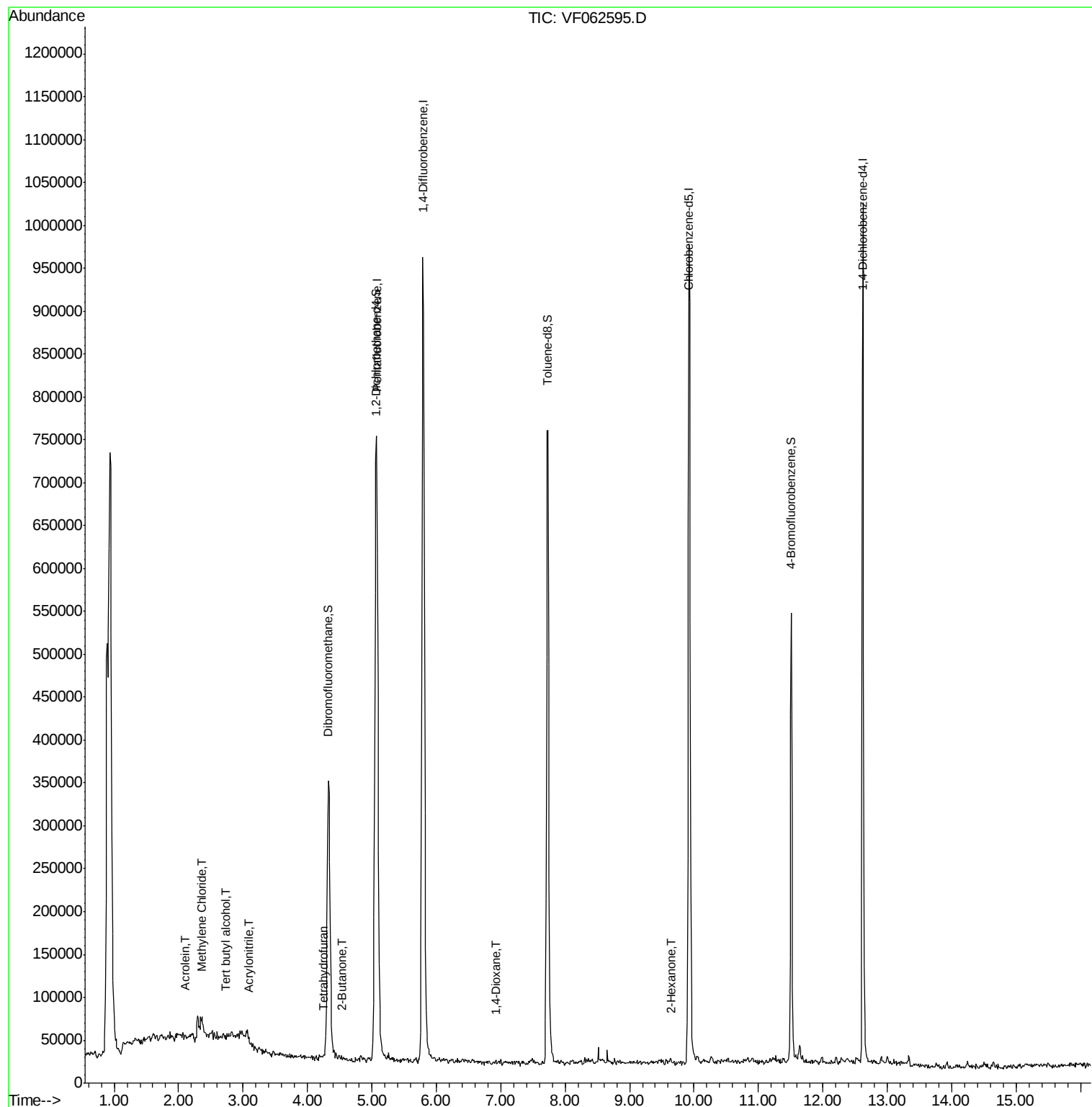
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	593	Below Cal	#	56
11) Tert butyl alcohol	2.73	59	731	2.379	ug/l #	11
13) Acrolein	2.10	56	508	2.494	ug/l	86
15) Acrylonitrile	3.10	53	1172	1.066	ug/l	96
17) Carbon Disulfide	1.90	76	886	Below Cal	#	1
18) Methyl Acetate	2.48	43	3047	Below Cal	#	66
20) Methylene Chloride	2.36	84	17199	1.083	ug/l	97
25) 2-Butanone	4.54	43	3394	1.450	ug/l #	77
29) Tetrahydrofuran	4.25	42	1298	1.310	ug/l #	34
49) 1,4-Dioxane	6.92	88	393	10.966	ug/l #	31
59) 2-Hexanone	9.63	43	5002	2.080	ug/l	74

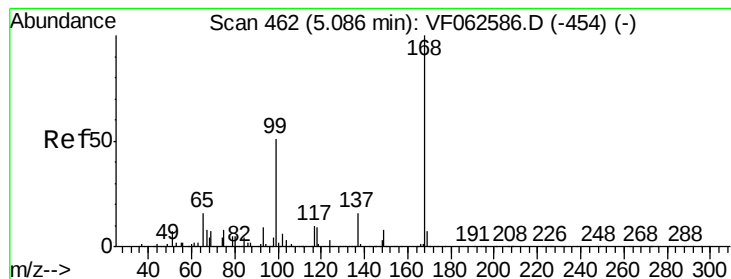
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
Data File : VF062595.D
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MSVOA_F
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10-B

Quant Time: May 15 05:18:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

Instrument :

MSVOA_F

ClientSampleId :

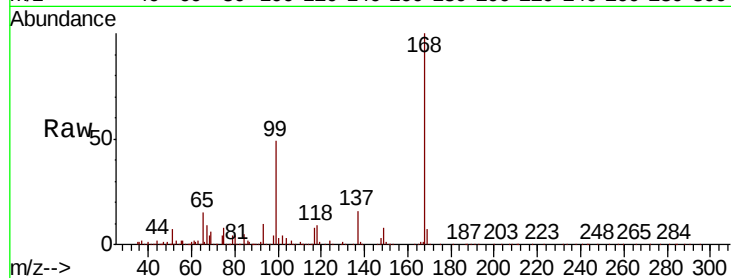
10-B

Tot Ion:168 Resp: 675597

Ion Ratio Lower Upper

168 100

99 48.6 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

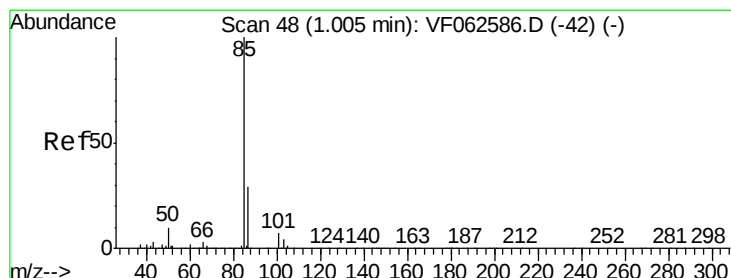
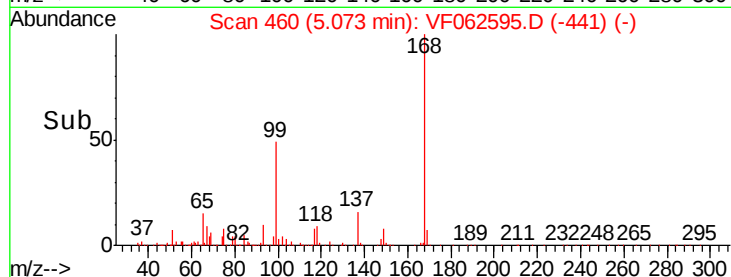
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.02 min

Lab File: VF062595.D

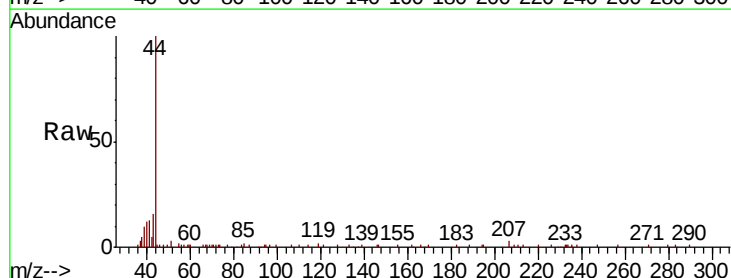
Acq: 14 May 2019 22:33

Tgt Ion: 85 Resp: 593

Ion Ratio Lower Upper

85 100

87 53.0 14.6 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

500

400

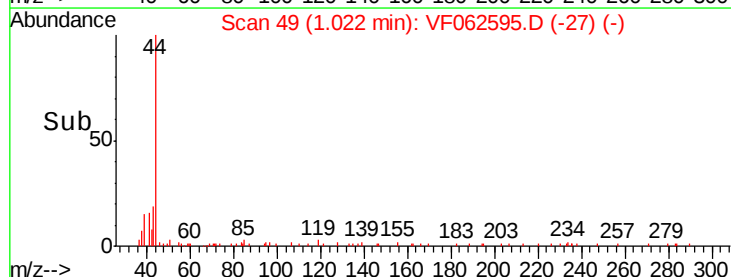
300

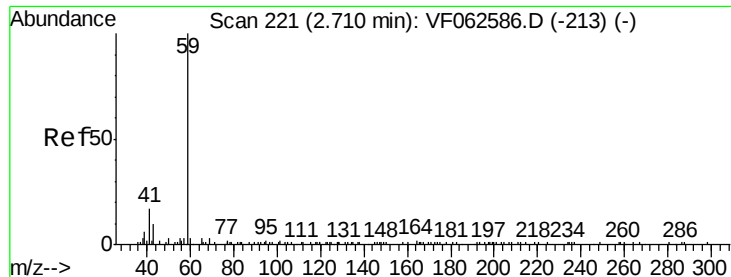
200

100

0

Time-->



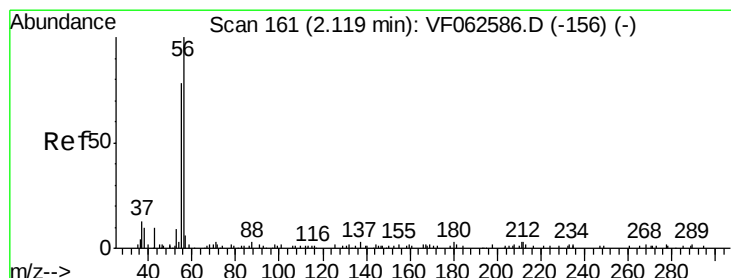
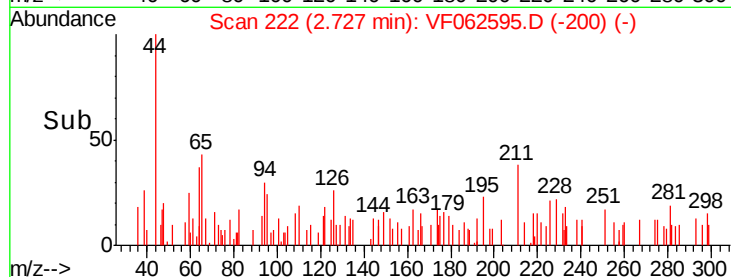
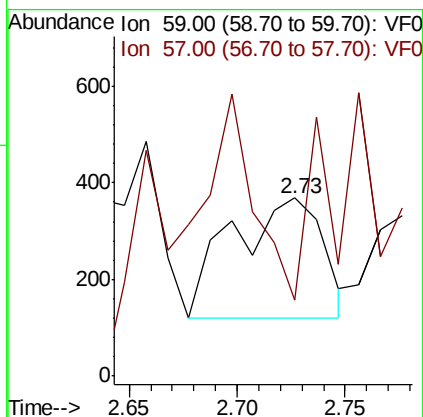
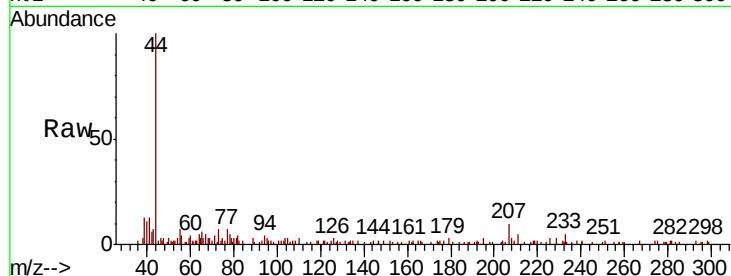


#11

Tert butyl alcohol
Concen: 2.379 ug/l
RT: 2.73 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

Instrument :
MSVOA_F
ClientSampled :
10-B

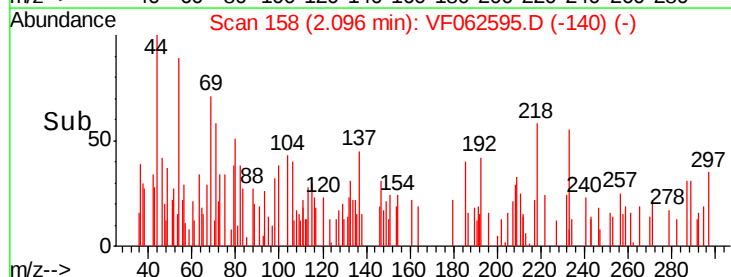
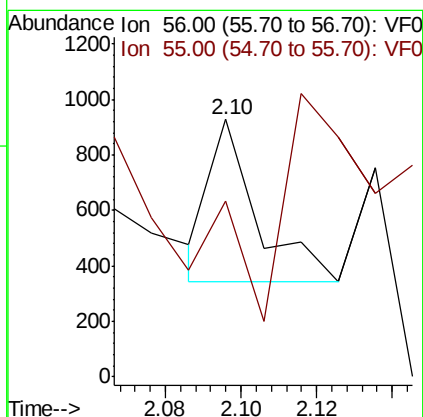
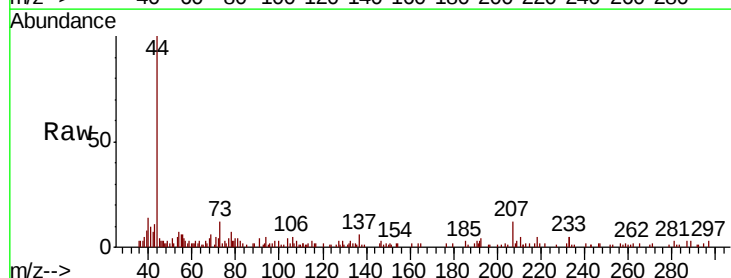
Tot Ion: 59 Resp: 731
Ion Ratio Lower Upper
59 100
57 42.9 8.0 12.0#

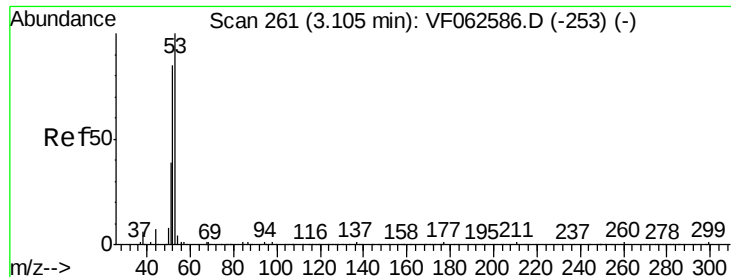


#13

Acrolein
Concen: 2.494 ug/l
RT: 2.10 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

Tgt Ion: 56 Resp: 508
Ion Ratio Lower Upper
56 100
55 68.2 64.6 96.8





#15

Acrylonitrile

Concen: 1.066 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

Instrument :
MSVOA_F
ClientSampleId :
10-B

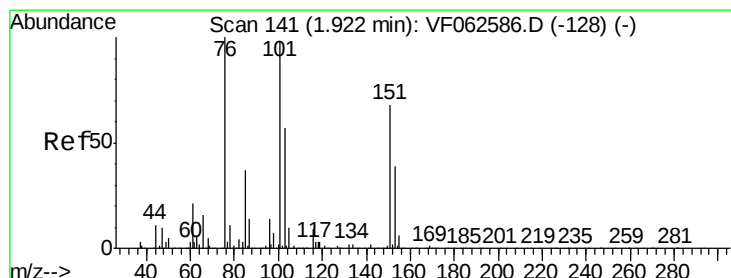
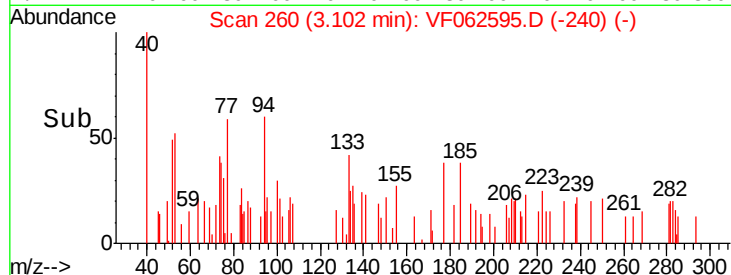
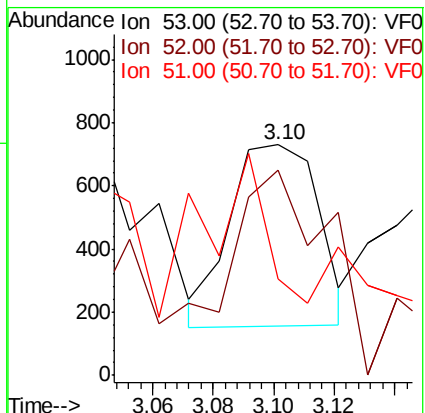
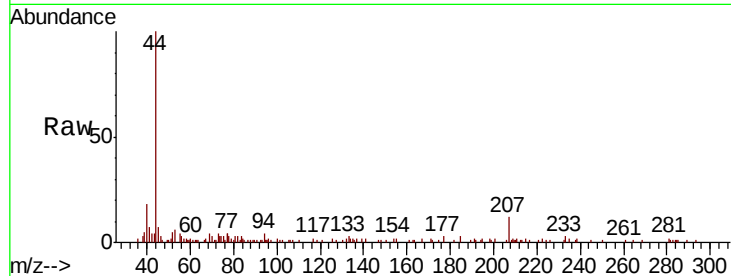
Tot Ion: 53 Resp: 1172

Ion Ratio Lower Upper

53 100

52 88.8 68.3 102.5

51 42.1 31.5 47.3



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.90 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062595.D

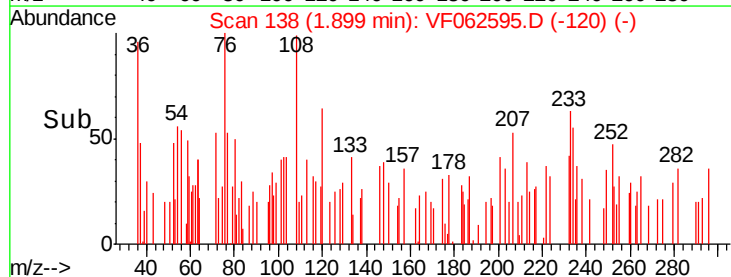
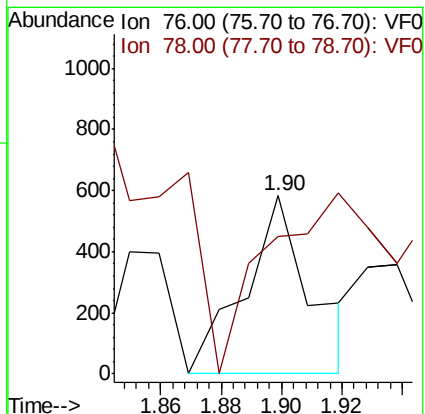
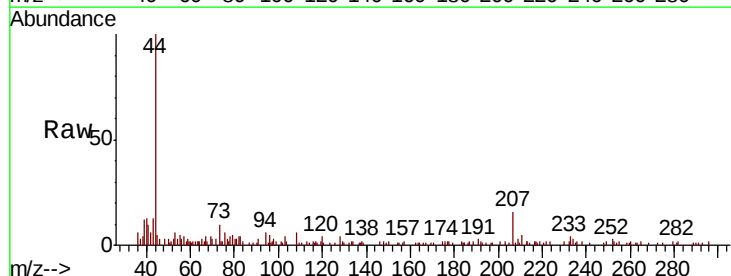
Acq: 14 May 2019 22:33

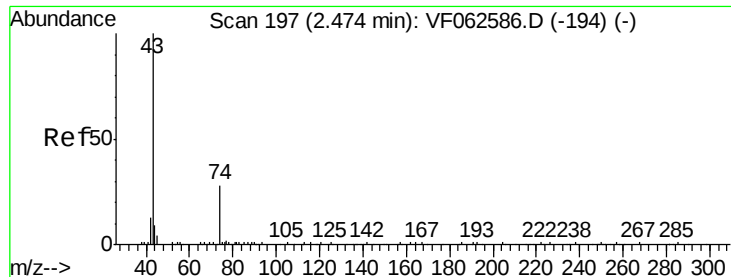
Tgt Ion: 76 Resp: 886

Ion Ratio Lower Upper

76 100

78 77.2 9.0 13.4#

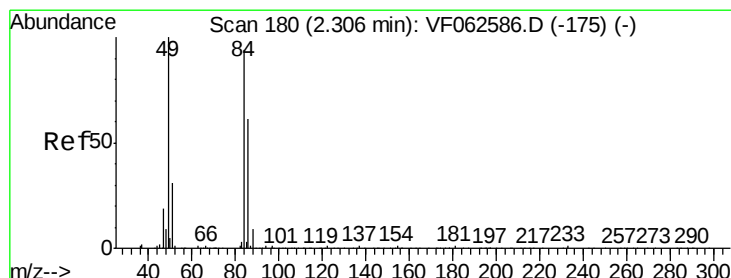
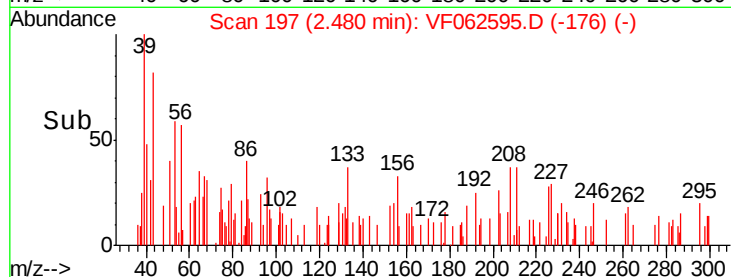
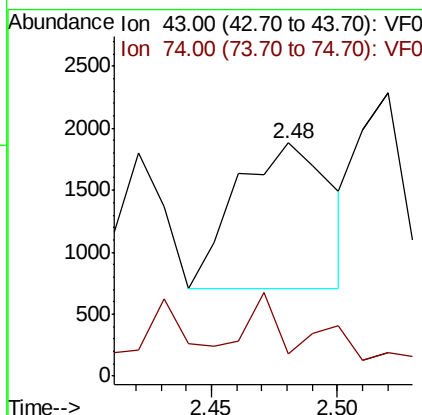
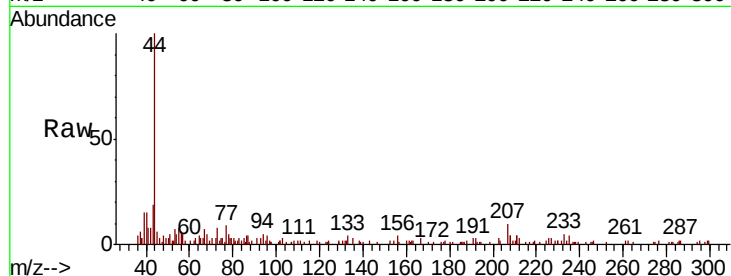




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

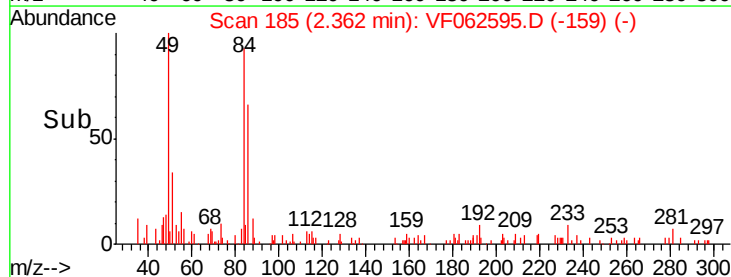
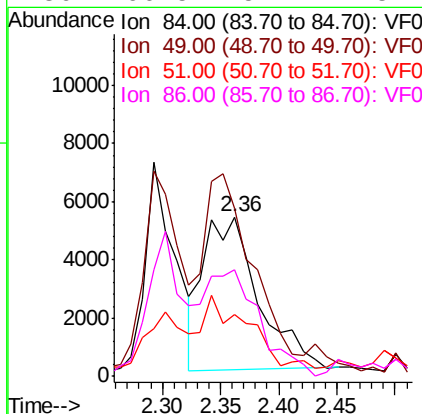
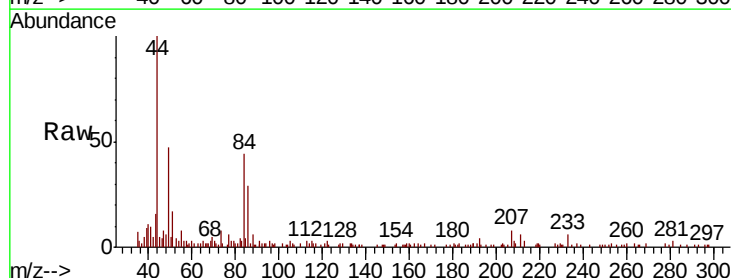
Instrument :
MSVOA_F
ClientSampleId :
10-B

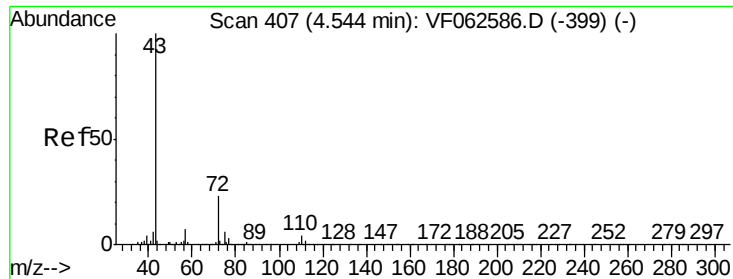
Tot Ion: 43 Resp: 3047
Ion Ratio Lower Upper
43 100
74 9.4 21.4 32.0#



#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.06 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

Tgt Ion: 84 Resp: 17199
Ion Ratio Lower Upper
84 100
49 105.7 86.9 130.3
51 38.7 27.0 40.6
86 66.5 52.2 78.2

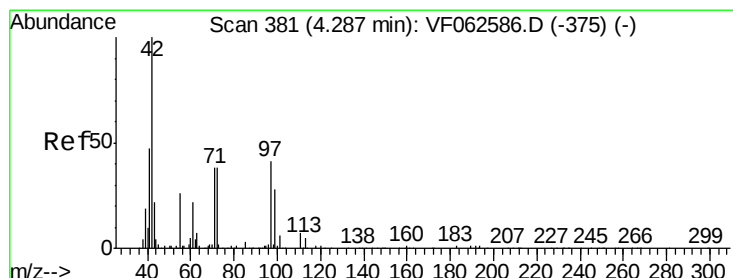
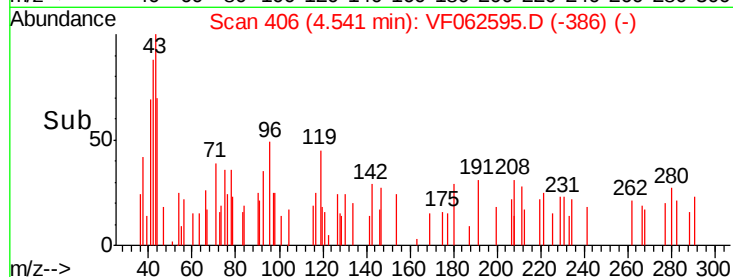
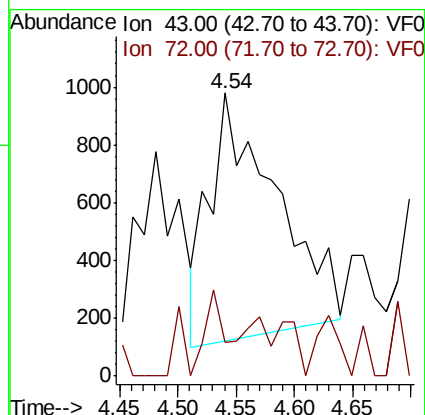
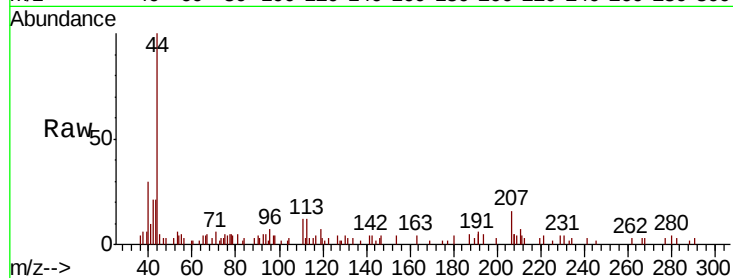




#25
2-Butanone
Concen: 1.450 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

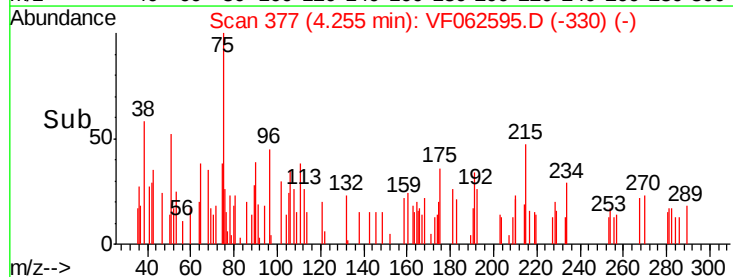
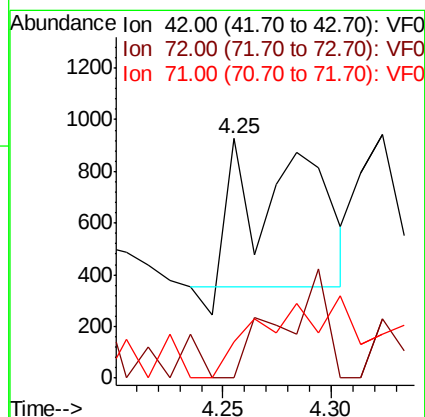
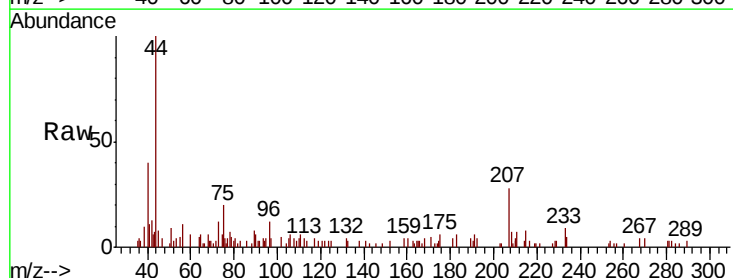
Instrument :
MSVOA_F
ClientSampled :
10-B

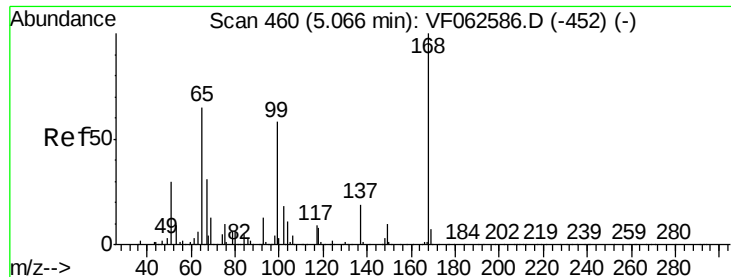
Tot Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
72 11.7 18.5 27.7#



#29
Tetrahydrofuran
Concen: 1.310 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

Tgt Ion: 42 Resp: 1298
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 32.8 49.2#





#33

1,2-Dichloroethane-d4

Concen: 34.925 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

Instrument :

MSVOA_F

ClientSampleId :

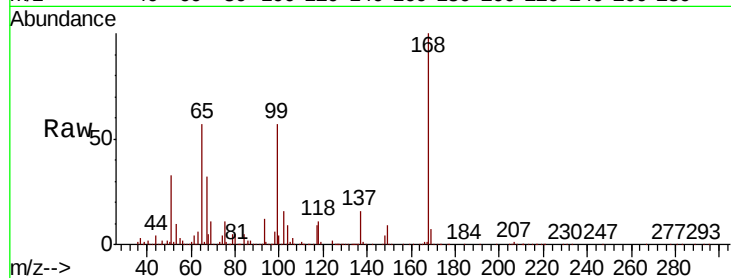
10-B

Tot Ion: 65 Resp: 178250

Ion Ratio Lower Upper

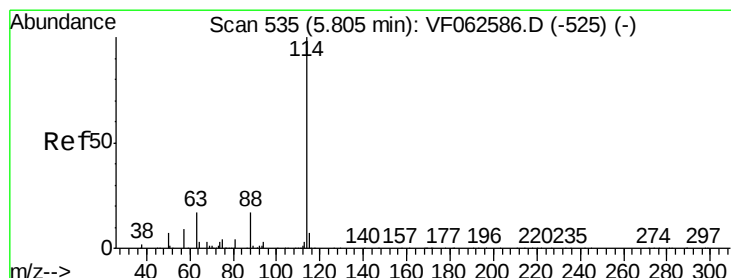
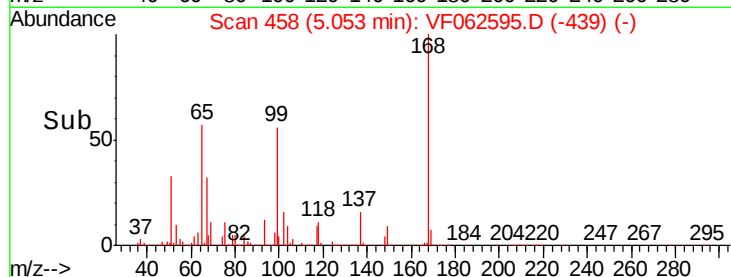
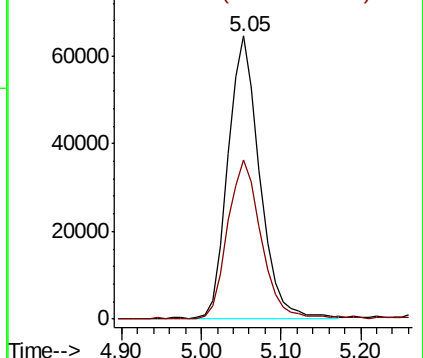
65 100

67 56.2 0.0 116.6



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: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

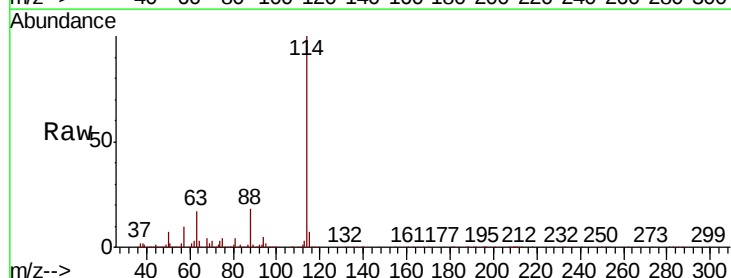
Tgt Ion:114 Resp: 1180817

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.6

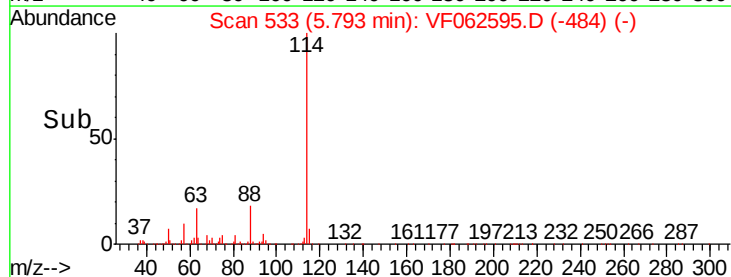
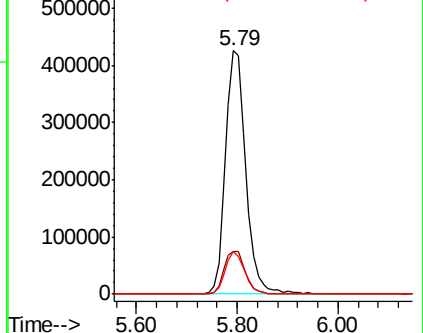
88 17.8 0.0 33.6

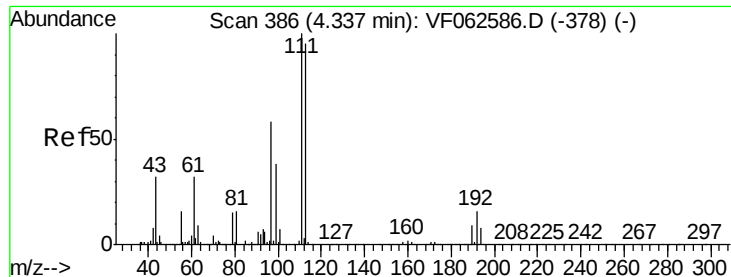


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 37.251 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

Instrument :

MSVOA_F

ClientSampleId :

10-B

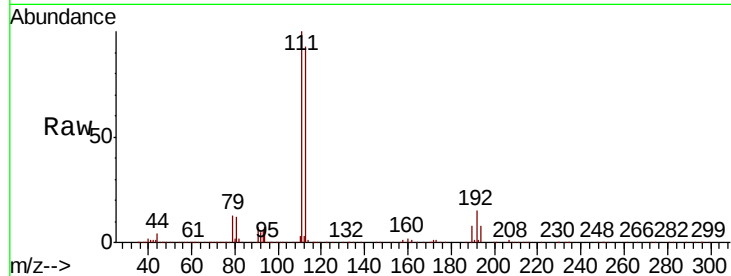
Tot Ion:113 Resp: 327378

Ion Ratio Lower Upper

113 100

111 107.0 83.9 125.9

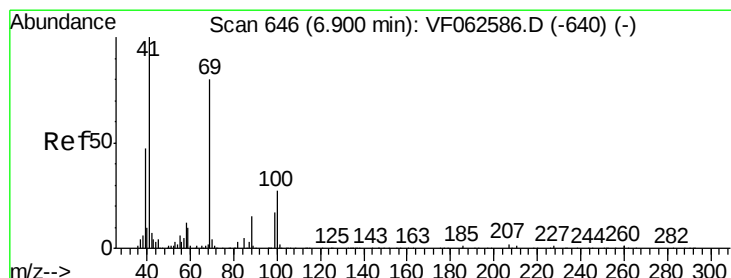
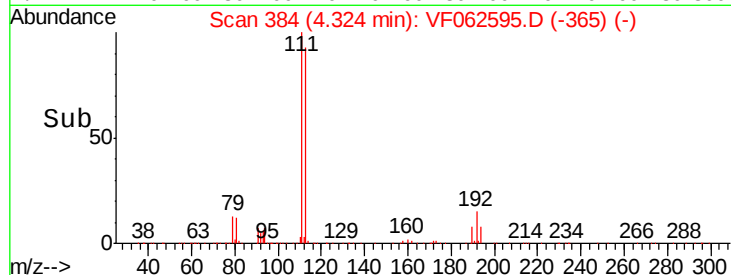
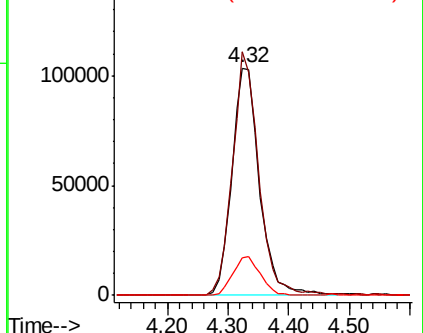
192 16.6 13.7 20.5



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: 10.966 ug/l

RT: 6.92 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

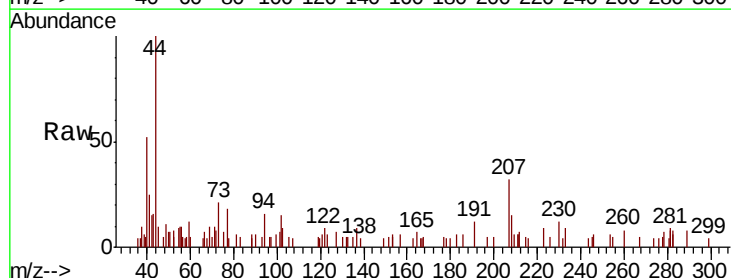
Tgt Ion: 88 Resp: 393

Ion Ratio Lower Upper

88 100

43 153.9 28.8 43.2#

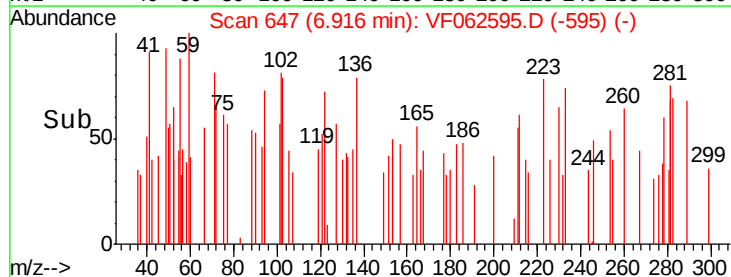
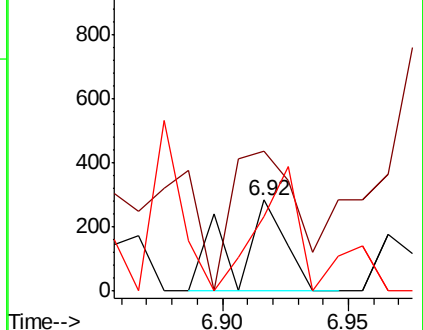
58 81.3 60.6 90.8

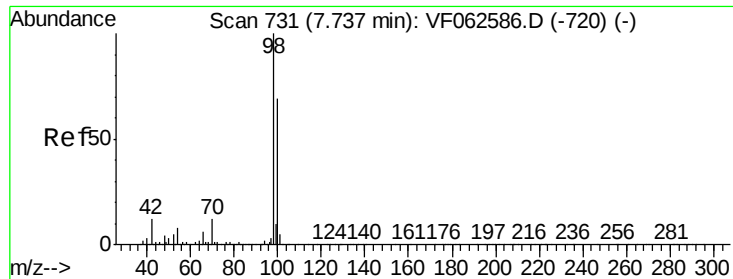


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

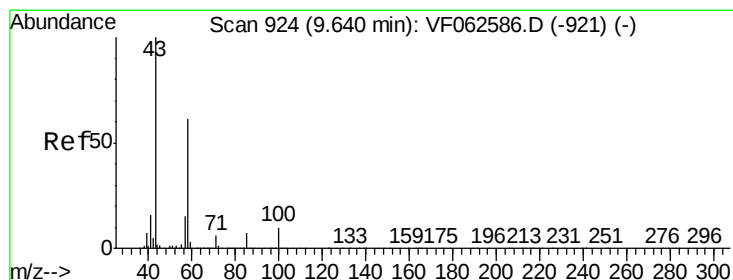
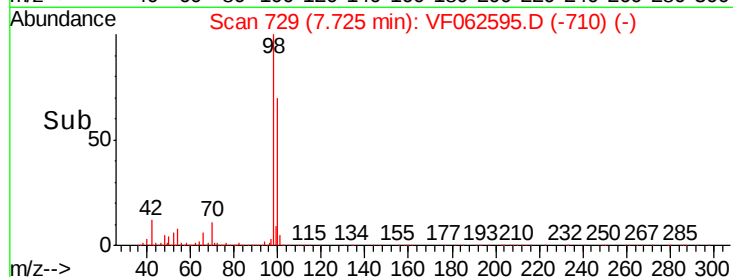
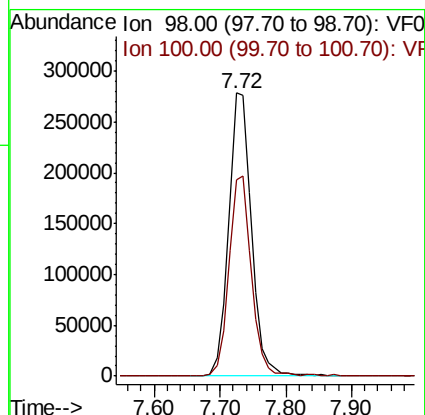
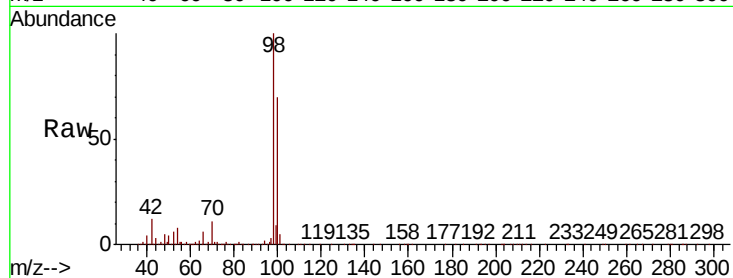




#50
Toluene-d8
Concen: 32.781 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

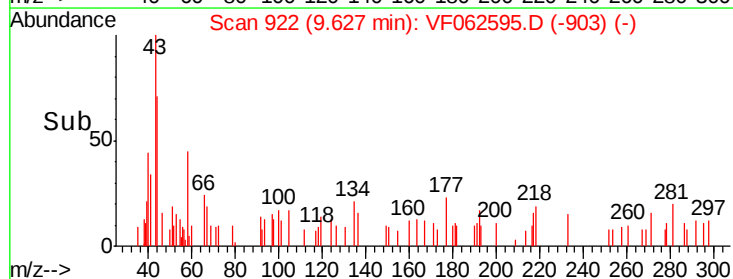
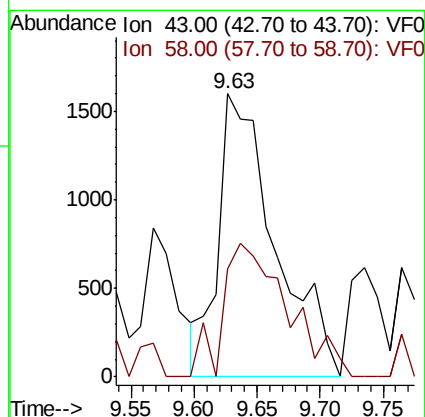
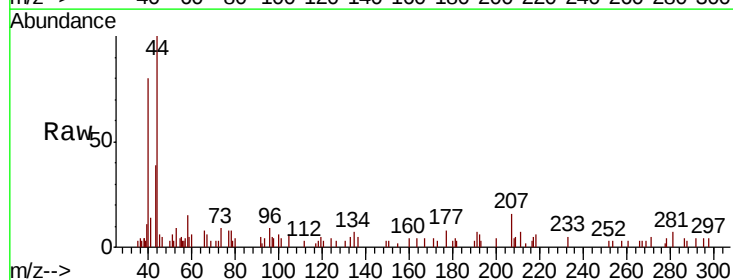
Instrument :
MSVOA_F
ClientSampleId :
10-B

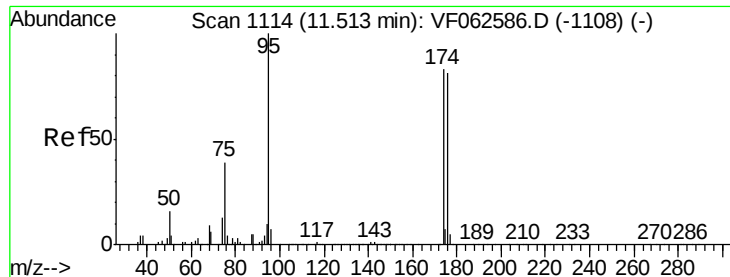
Tot Ion: 98 Resp: 678886
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.0



#59
2-Hexanone
Concen: 2.080 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062595.D
Acq: 14 May 2019 22:33

Tgt Ion: 43 Resp: 5002
Ion Ratio Lower Upper
43 100
58 38.1 28.7 86.3





#62

4-Bromofluorobenzene

Concen: 26.584 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

Instrument :

MSVOA_F

ClientSampled :

10-B

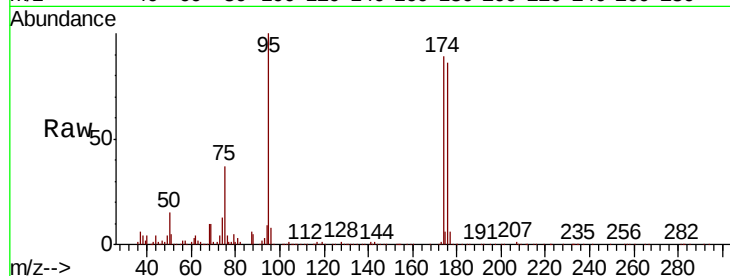
Tot Ion: 95 Resp: 192269

Ion Ratio Lower Upper

95 100

174 88.7 0.0 166.6

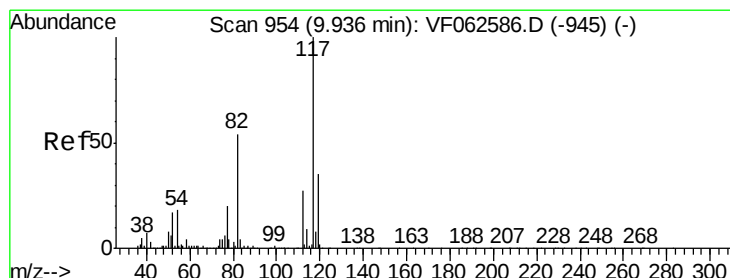
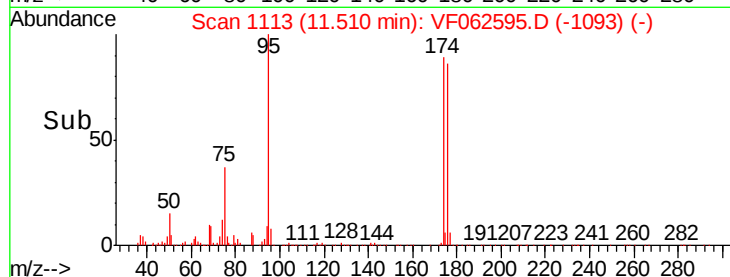
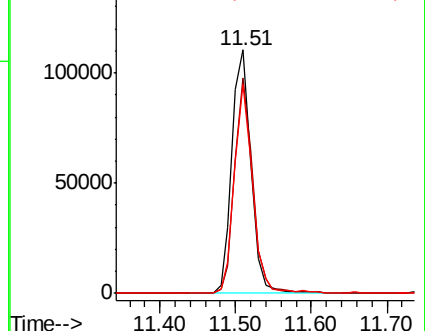
176 86.0 0.0 161.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

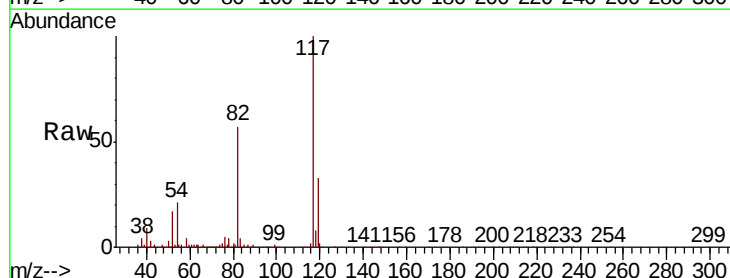
Tgt Ion: 117 Resp: 752790

Ion Ratio Lower Upper

117 100

82 56.6 43.4 65.0

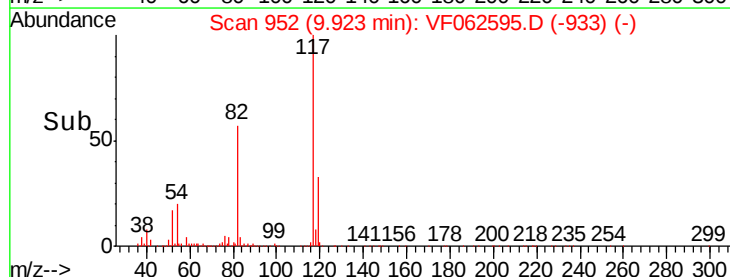
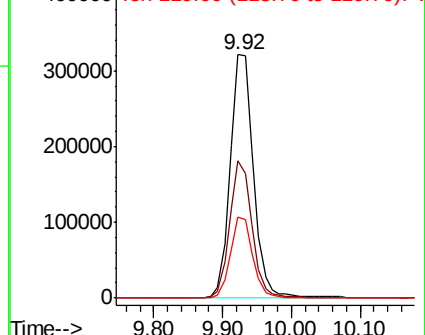
119 33.3 27.7 41.5

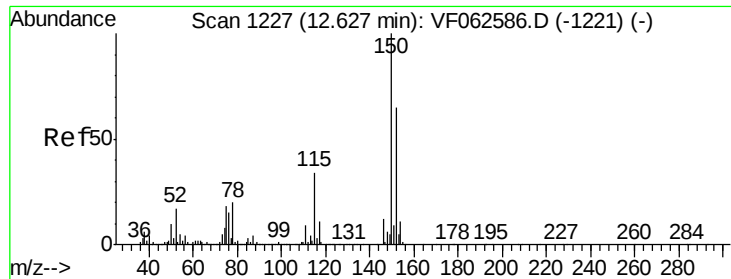


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062595.D

Acq: 14 May 2019 22:33

Instrument :

MSVOA_F

ClientSampleId :

10-B

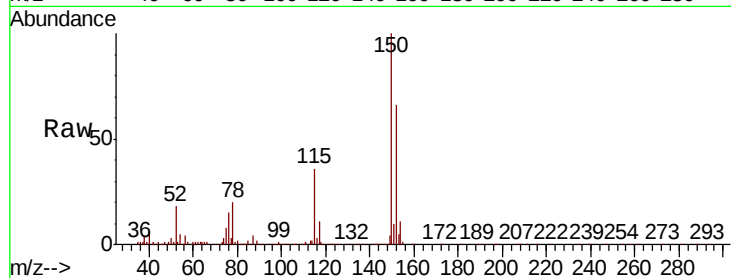
Tot Ion:152 Resp: 272125

Ion Ratio Lower Upper

152 100

115 53.6 26.2 78.6

150 150.9 0.0 316.0



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

