

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062598.D
 Acq On : 14 May 2019 23:57
 Operator : FY/SY
 Sample : K2806-02
 Misc : 6.30g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-EF-01-009-ABCD

Quant Time: May 15 05:19:02 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	5.08	168	651598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1121091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	761772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	298879	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	197495	40.12	ug/l	-0.02
Spiked Amount						
			Recovery	=	80.24%	
35) Dibromofluoromethane	4.33	113	339635	40.70	ug/l	0.00
Spiked Amount						
			Recovery	=	81.40%	
50) Toluene-d8	7.73	98	697679	35.48	ug/l	0.00
Spiked Amount						
			Recovery	=	70.96%	
62) 4-Bromofluorobenzene	11.51	95	223384	32.53	ug/l	0.00
Spiked Amount						
			Recovery	=	65.06%	

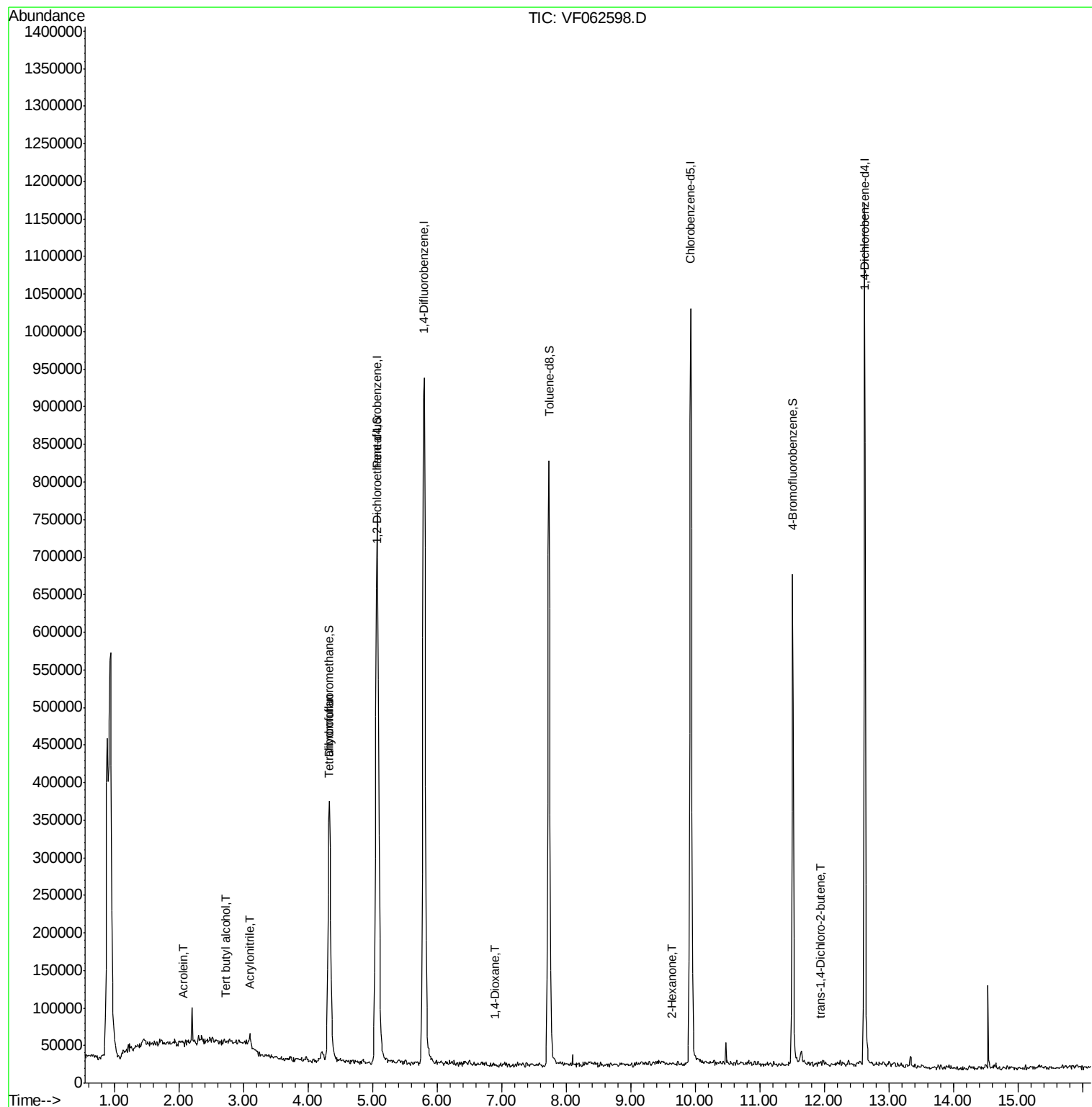
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	950	Below Cal	#	61
11) Tert butyl alcohol	2.72	59	595	2.008	ug/l #	50
13) Acrolein	2.07	56	965	4.913	ug/l	83
15) Acrylonitrile	3.09	53	1491	1.406	ug/l #	73
17) Carbon Disulfide	1.94	76	1030	Below Cal	#	1
18) Methyl Acetate	2.30	43	609	Below Cal		93
20) Methylene Chloride	2.30	84	2726	Below Cal	#	27
29) Tetrahydrofuran	4.31	42	2252	2.357	ug/l #	51
49) 1,4-Dioxane	6.90	88	147	4.320	ug/l #	1
59) 2-Hexanone	9.64	43	2766	1.212	ug/l	65
81) trans-1,4-Dichloro-2-buten	11.93	75	1253	1.114	ug/l	95

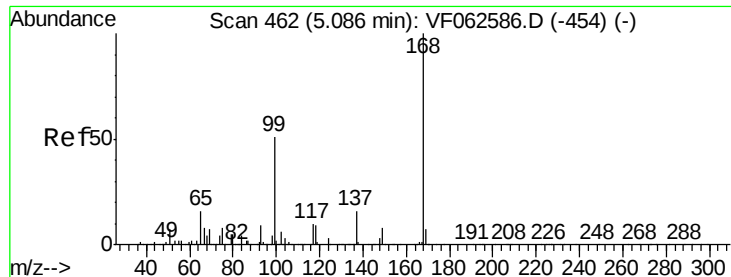
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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Quant Time: May 15 05:19:02 2019
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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: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

Instrument :

MSVOA_F

ClientSampleId :

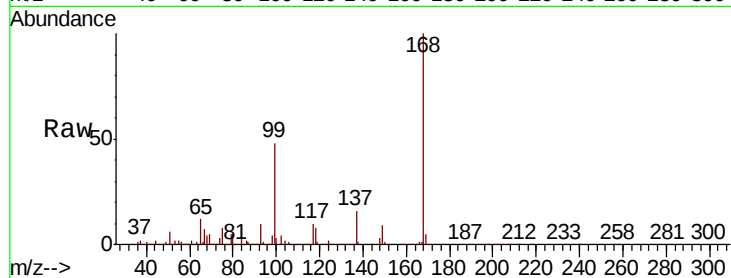
FK-EF-01-009-ABCD

Tot Ion:168 Resp: 651598

Ion Ratio Lower Upper

168 100

99 47.9 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

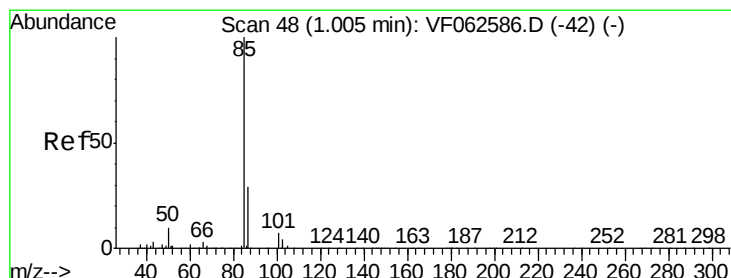
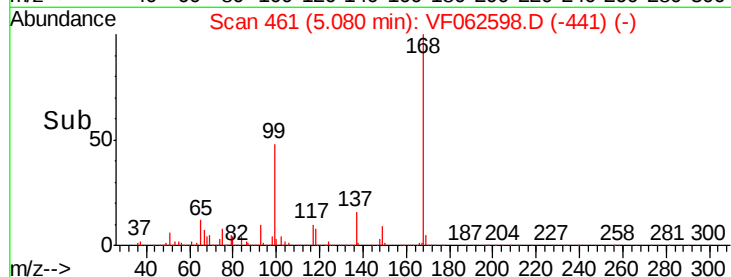
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062598.D

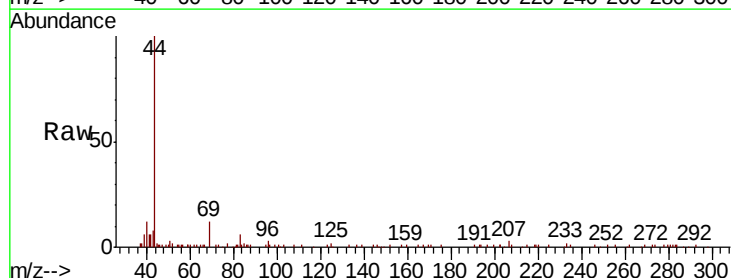
Acq: 14 May 2019 23:57

Tgt Ion: 85 Resp: 950

Ion Ratio Lower Upper

85 100

87 50.3 14.6 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

500

400

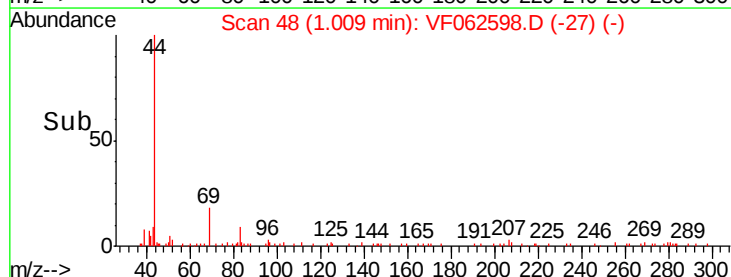
300

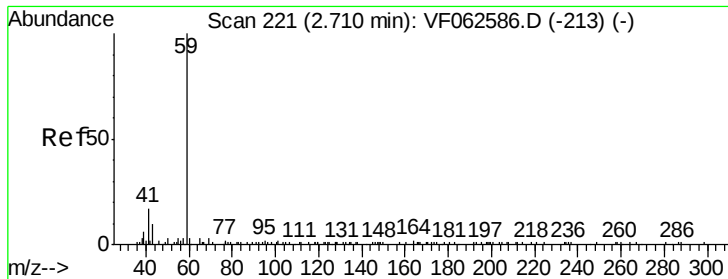
200

100

0

Time-->



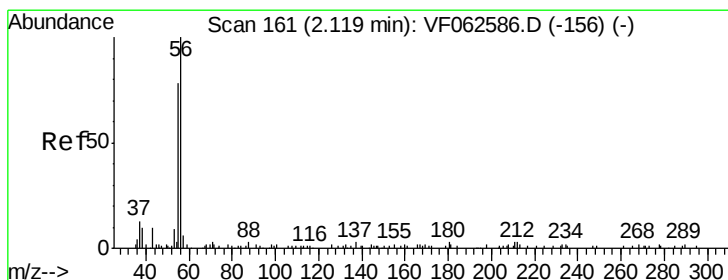
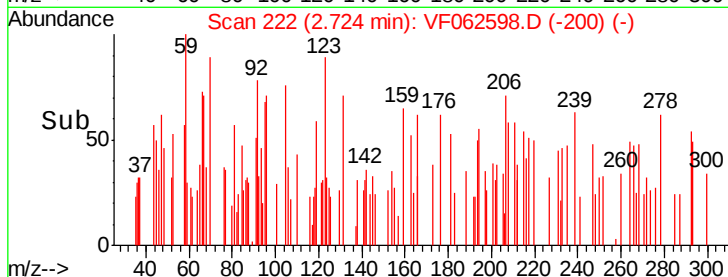
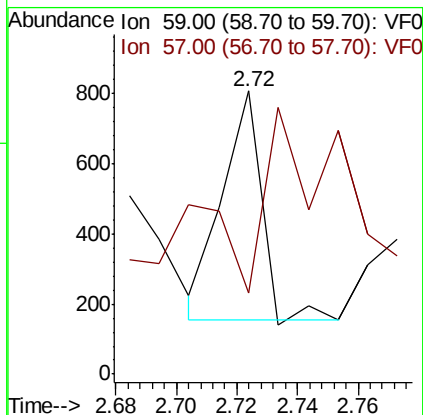
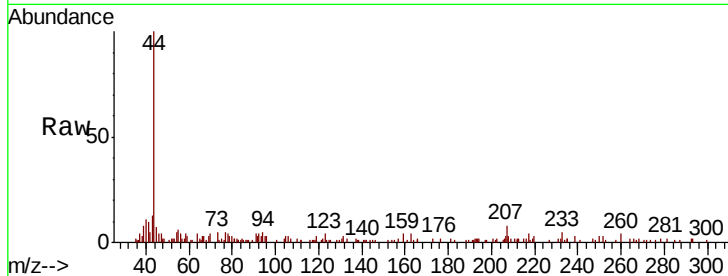


#11

Tert butyl alcohol
Concen: 2.008 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.01 min
Lab File: VF062598.D
Acq: 14 May 2019 23:57

Instrument :
MSVOA_F
ClientSampleId :
FK-EF-01-009-ABCD

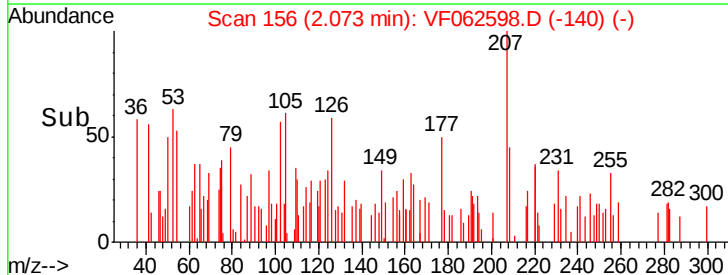
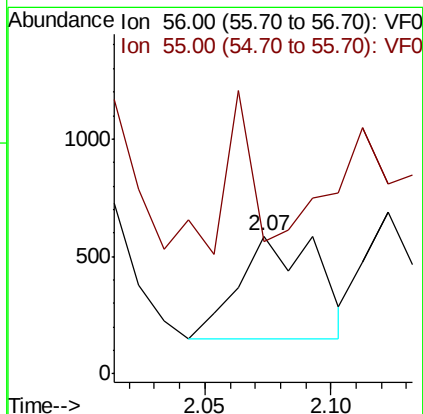
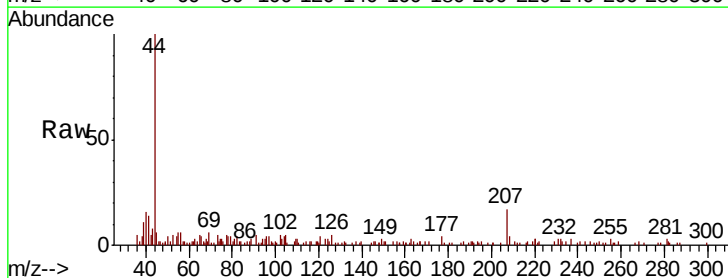
Tot Ion: 59 Resp: 595
Ion Ratio Lower Upper
59 100
57 28.5 8.0 12.0#

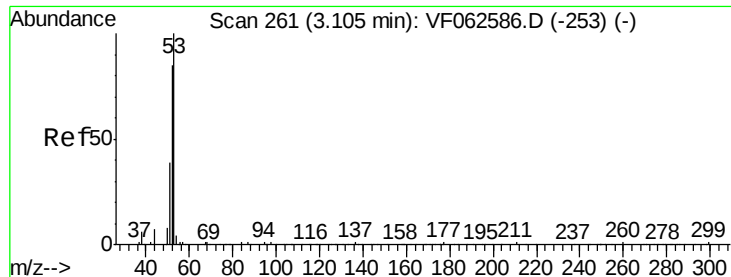


#13

Acrolein
Concen: 4.913 ug/l
RT: 2.07 min Scan# 156
Delta R.T. -0.05 min
Lab File: VF062598.D
Acq: 14 May 2019 23:57

Tgt Ion: 56 Resp: 965
Ion Ratio Lower Upper
56 100
55 95.7 64.6 96.8





#15

Acrylonitrile

Concen: 1.406 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

Instrument :

MSVOA_F

ClientSampleId :

FK-EF-01-009-ABCD

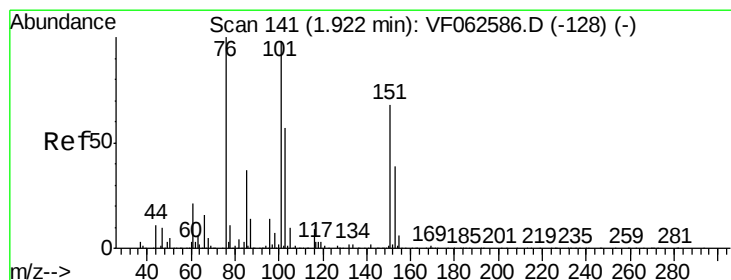
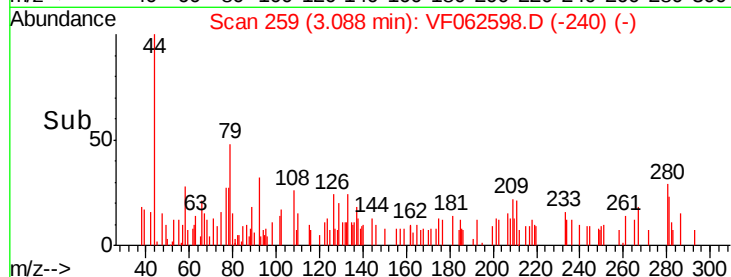
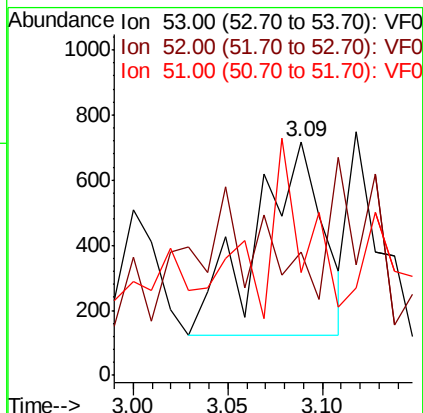
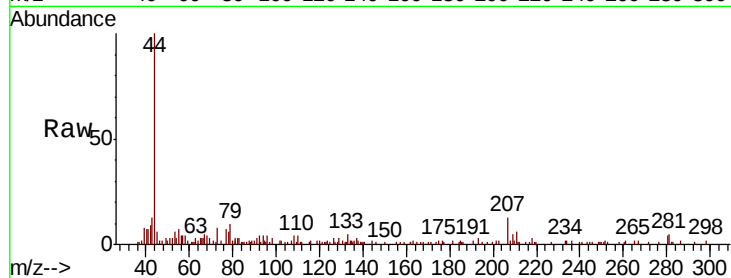
Tot Ion: 53 Resp: 1491

Ion Ratio Lower Upper

53 100

52 52.7 68.3 102.5#

51 44.1 31.5 47.3



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.94 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062598.D

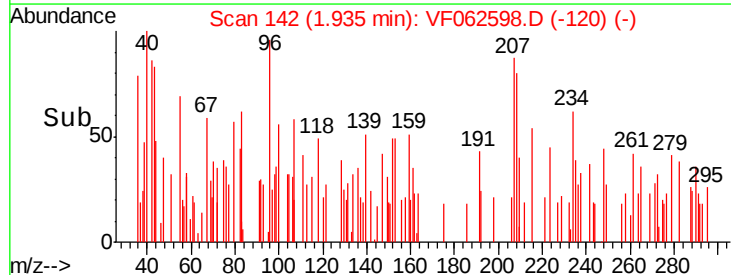
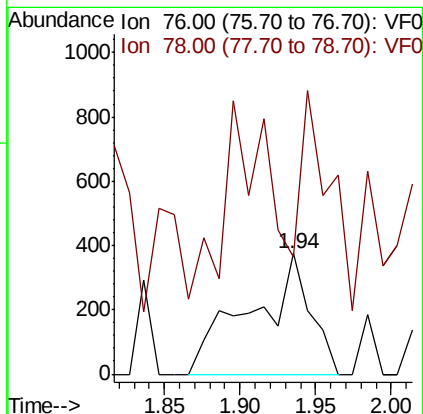
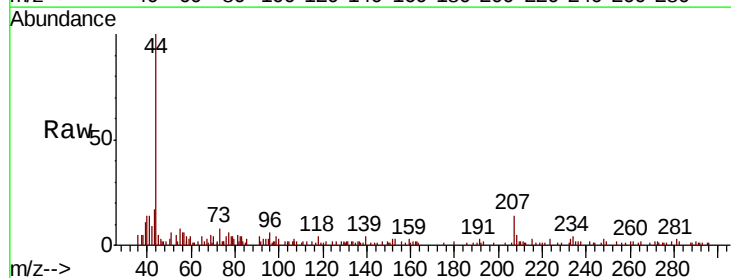
Acq: 14 May 2019 23:57

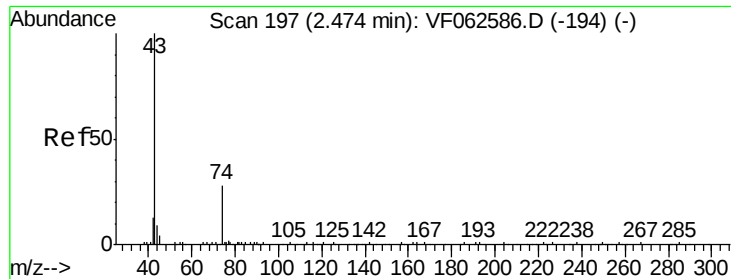
Tgt Ion: 76 Resp: 1030

Ion Ratio Lower Upper

76 100

78 97.3 9.0 13.4#

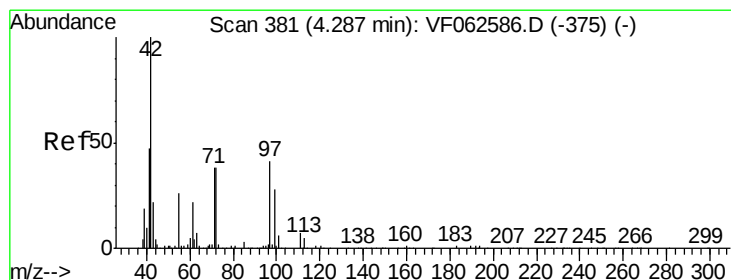
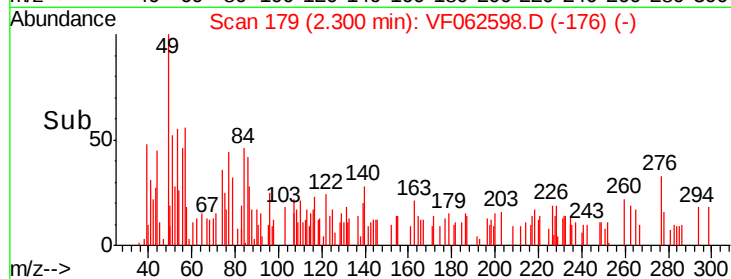
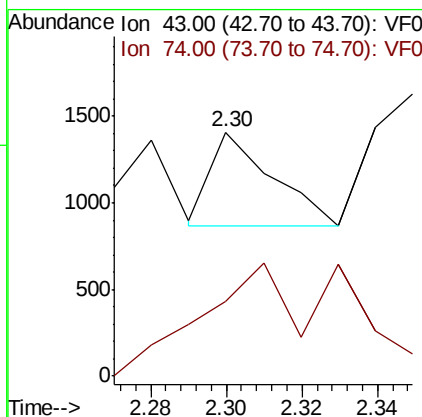
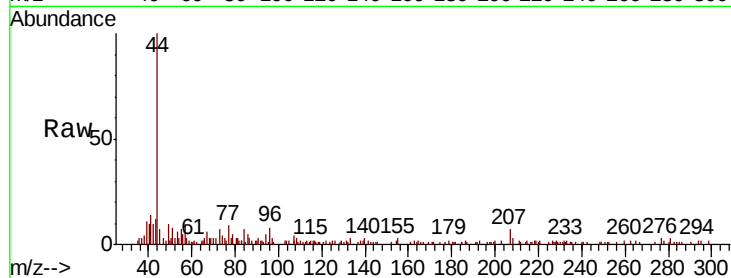




#18
Methyl Acetate
Concen: Below Cal
RT: 2.30 min Scan# 179
Delta R.T. -0.17 min
Lab File: VF062598.D
Acq: 14 May 2019 23:57

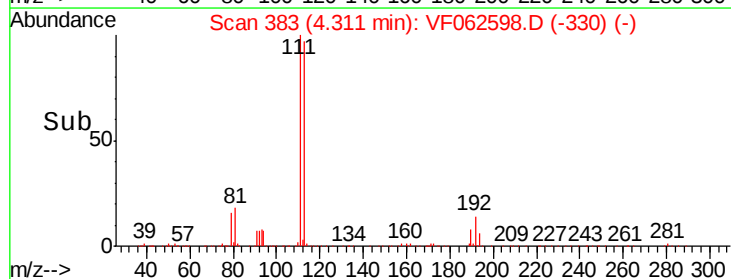
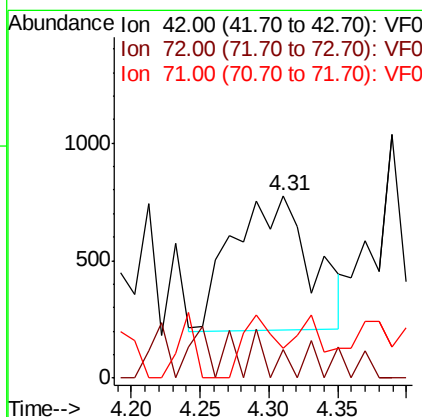
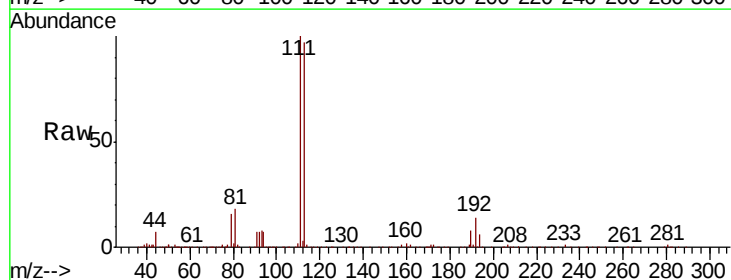
Instrument :
MSVOA_F
ClientSampleId :
FK-EF-01-009-ABCD

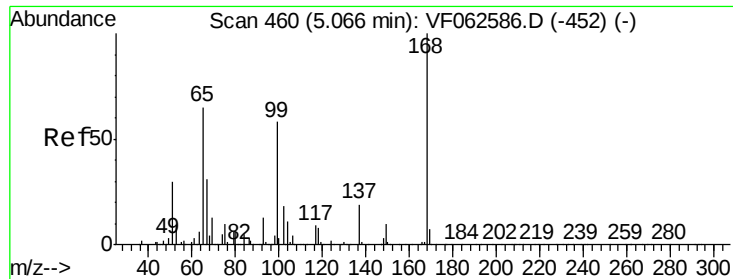
Tot Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
74 30.4 21.4 32.0



#29
Tetrahydrofuran
Concen: 2.357 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062598.D
Acq: 14 May 2019 23:57

Tgt Ion: 42 Resp: 2252
Ion Ratio Lower Upper
42 100
72 4.2 34.0 51.0#
71 17.9 32.8 49.2#





#33

1,2-Dichloroethane-d4

Concen: 40.121 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

Instrument :

MSVOA_F

ClientSampleId :

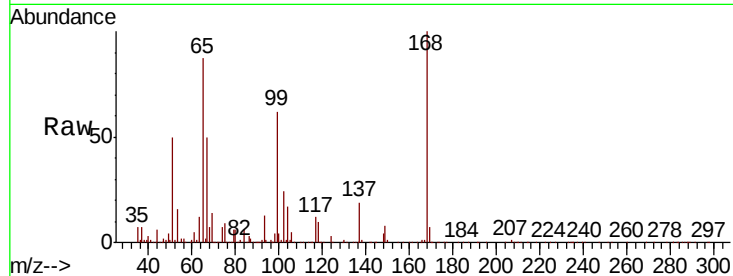
FK-EF-01-009-ABCD

Tot Ion: 65 Resp: 197495

Ion Ratio Lower Upper

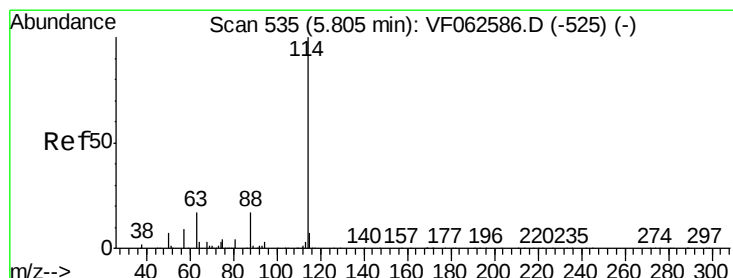
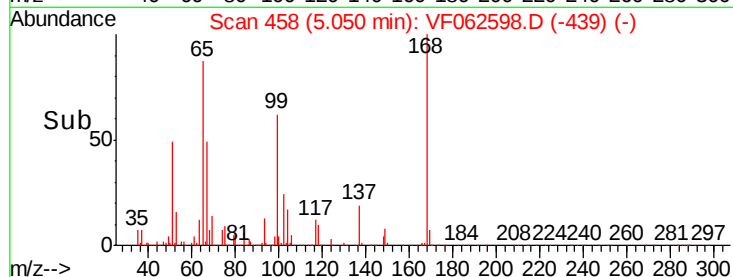
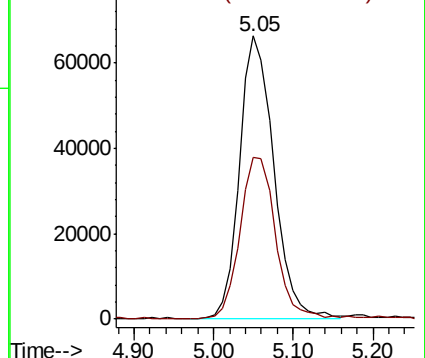
65 100

67 57.3 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: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

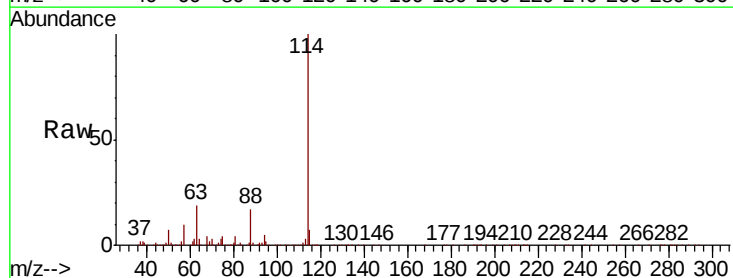
Tgt Ion: 114 Resp: 1121091

Ion Ratio Lower Upper

114 100

63 19.3 0.0 34.6

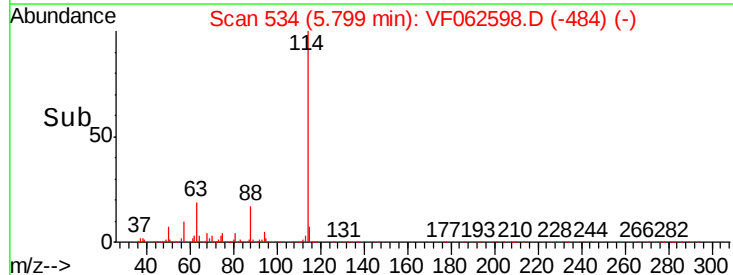
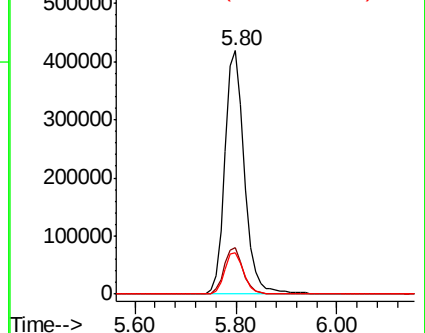
88 17.0 0.0 33.6

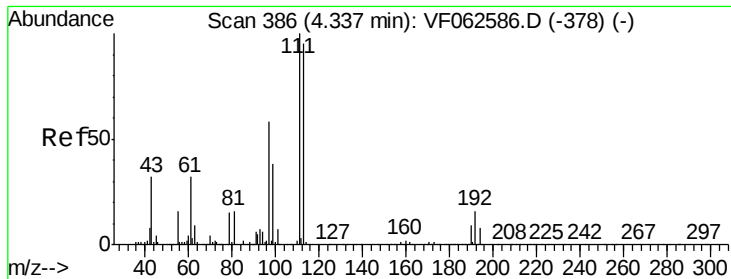


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

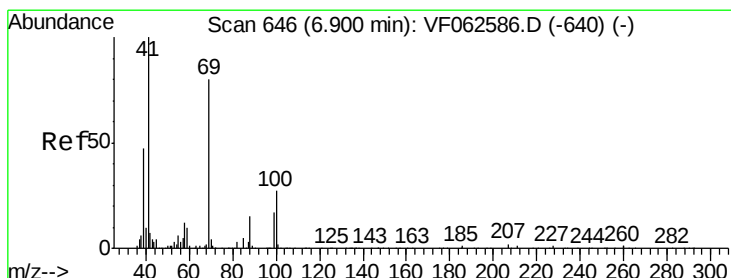
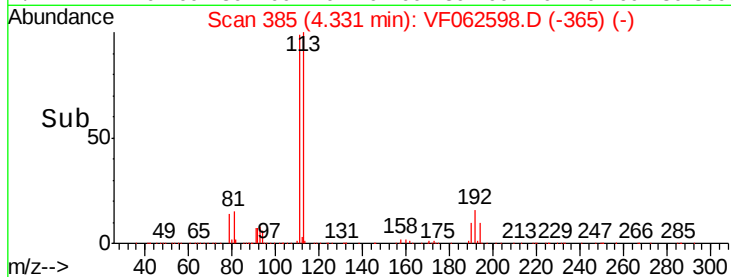
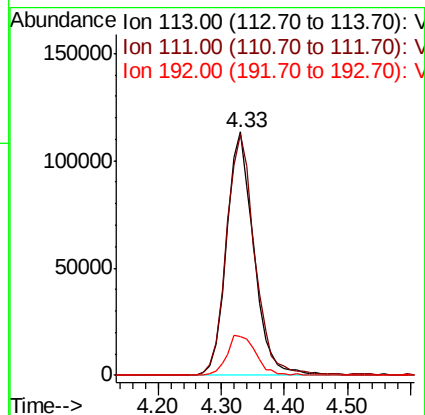
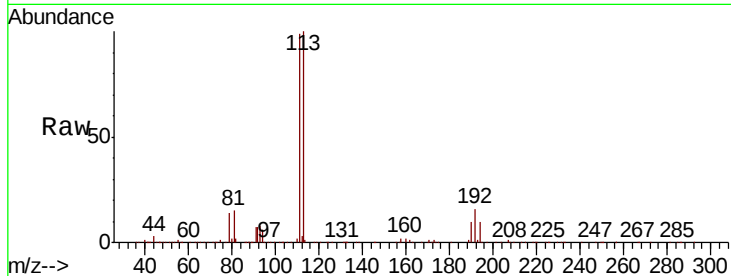




#35
 Dibromofluoromethane
 Concen: 40.704 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062598.D
 Acq: 14 May 2019 23:57

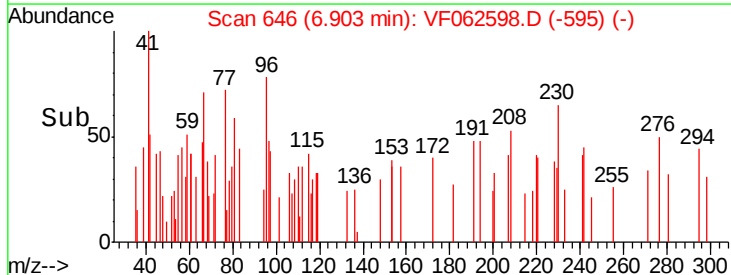
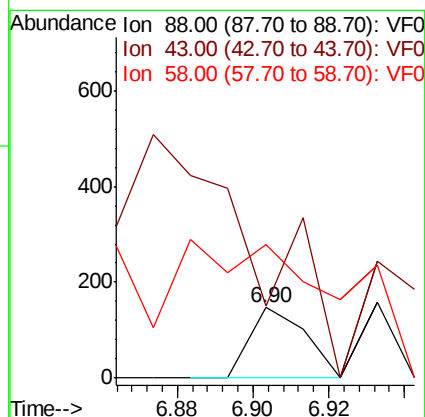
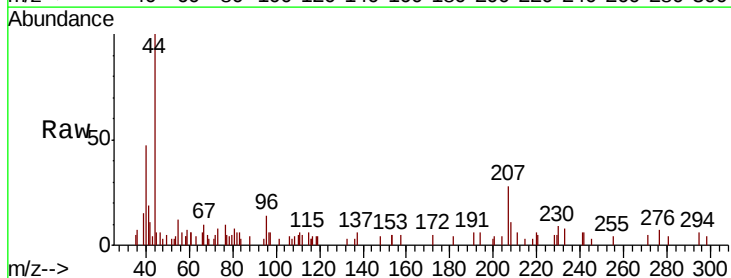
Instrument :
 MSVOA_F
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 FK-EF-01-009-ABCD

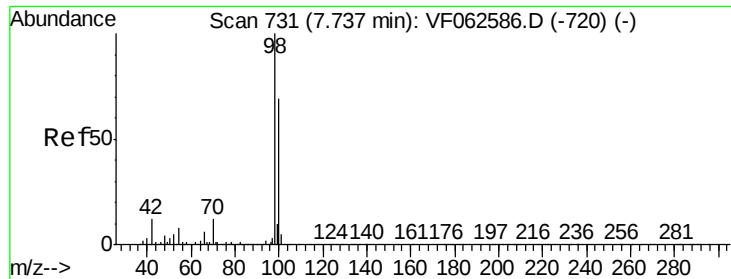
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.5	83.9	125.9
192	16.0	13.7	20.5



#49
 1,4-Dioxane
 Concen: 4.320 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VF062598.D
 Acq: 14 May 2019 23:57

Tgt Ion	Ratio	Lower	Upper
88	100		
43	102.0	28.8	43.2#
58	190.5	60.6	90.8#

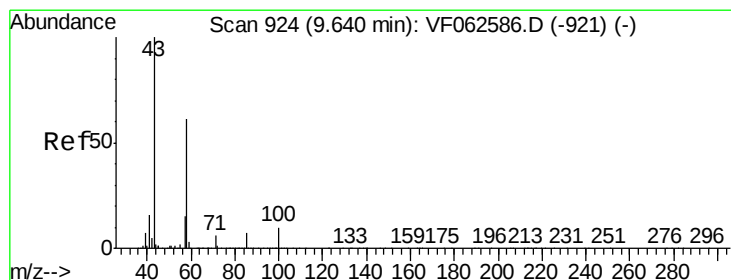
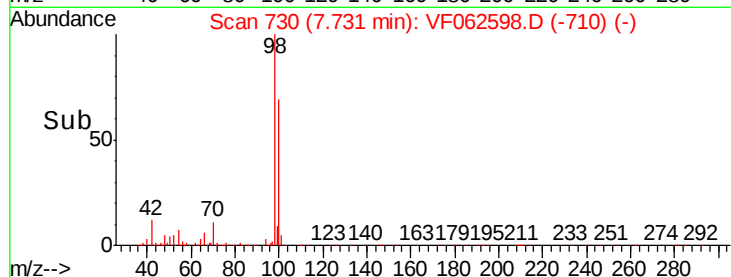
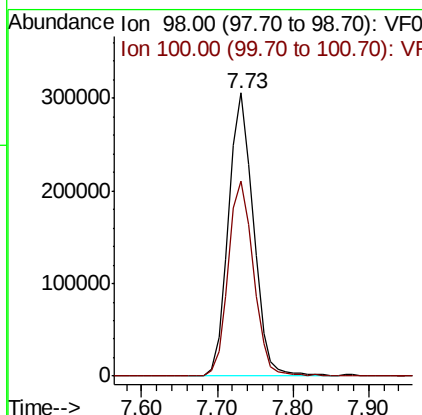
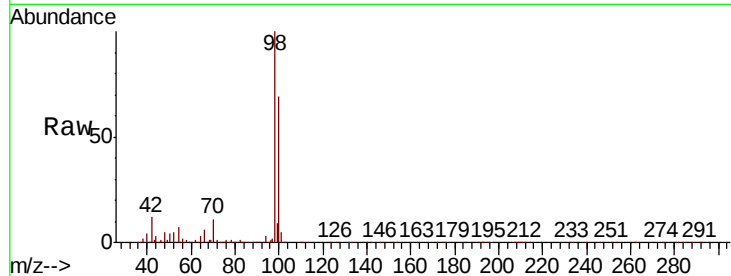




#50
Toluene-d8
Concen: 35.484 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062598.D
Acq: 14 May 2019 23:57

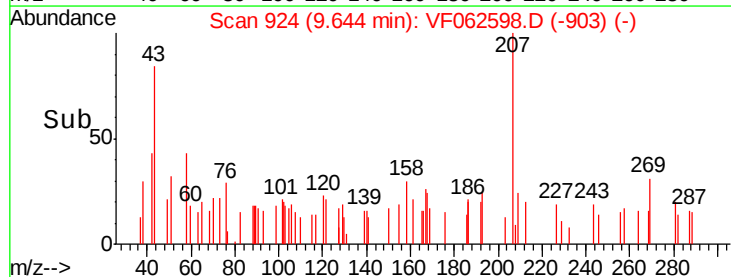
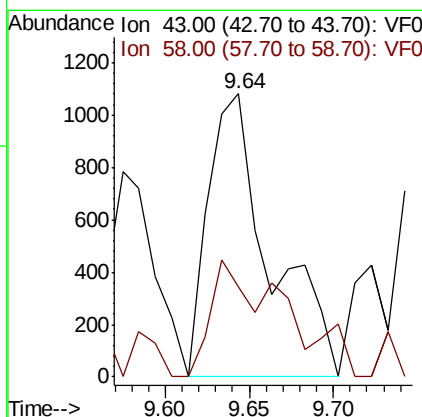
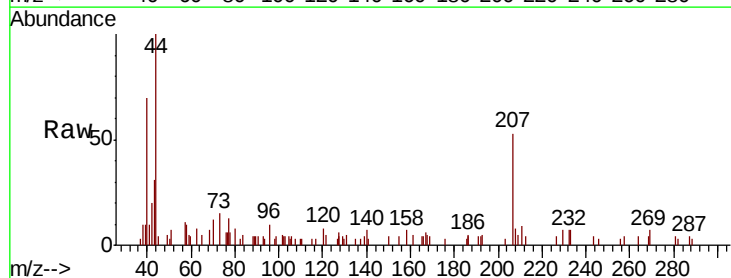
Instrument :
MSVOA_F
ClientSampleId :
FK-EF-01-009-ABCD

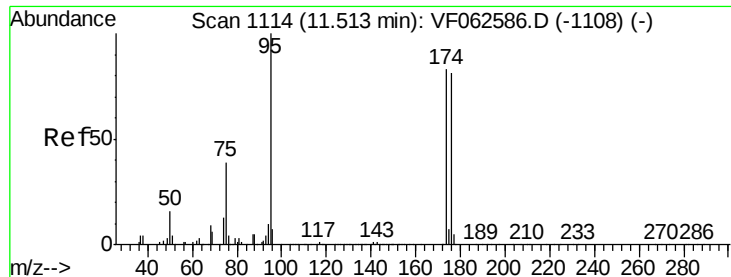
Tot Ion: 98 Resp: 697679
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0



#59
2-Hexanone
Concen: 1.212 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062598.D
Acq: 14 May 2019 23:57

Tgt Ion: 43 Resp: 2766
Ion Ratio Lower Upper
43 100
58 31.7 28.7 86.3





#62

4-Bromofluorobenzene

Concen: 32.531 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

Instrument :

MSVOA_F

ClientSampleId :

FK-EF-01-009-ABCD

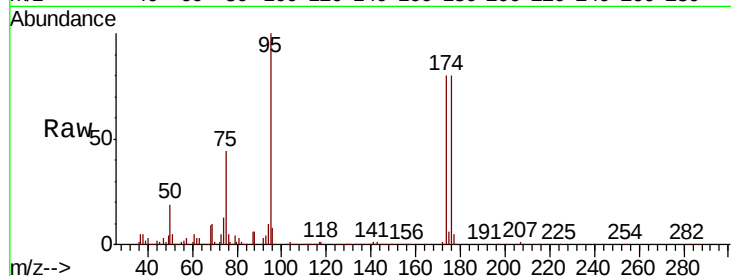
Tot Ion: 95 Resp: 223384

Ion Ratio Lower Upper

95 100

174 80.0 0.0 166.6

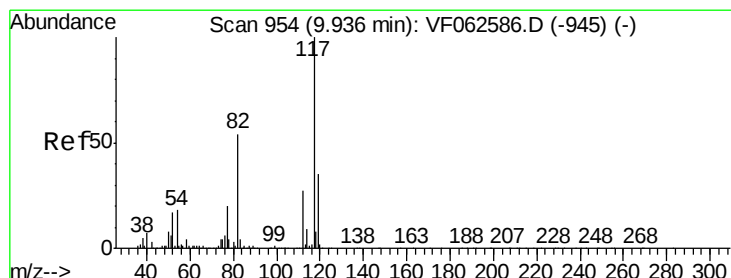
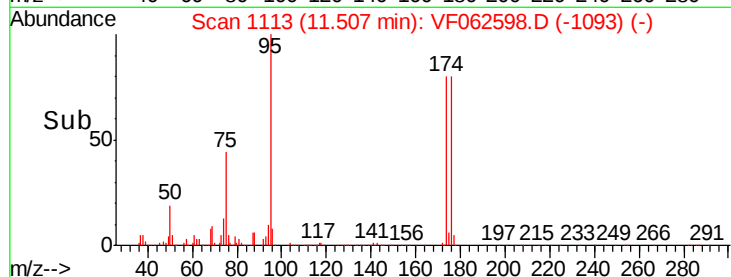
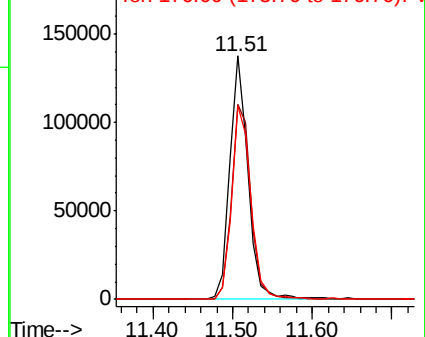
176 79.6 0.0 161.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

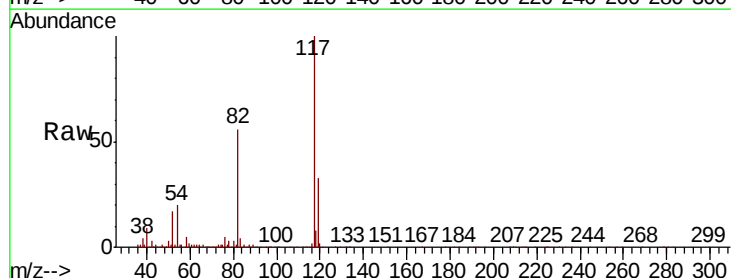
Tgt Ion: 117 Resp: 761772

Ion Ratio Lower Upper

117 100

82 55.8 43.4 65.0

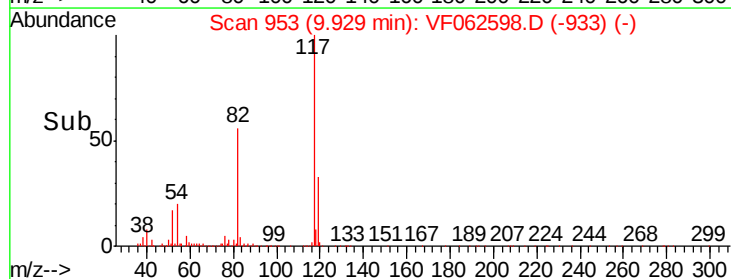
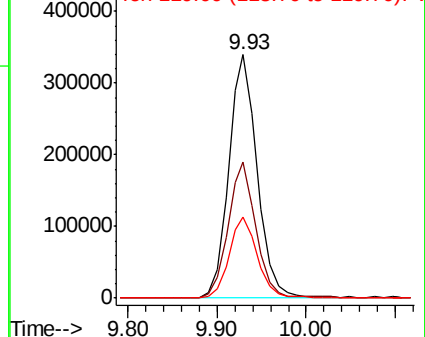
119 33.5 27.7 41.5

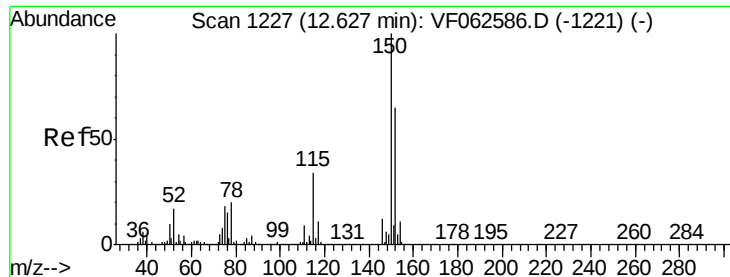


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

Instrument :

MSVOA_F

ClientSampleId :

FK-EF-01-009-ABCD

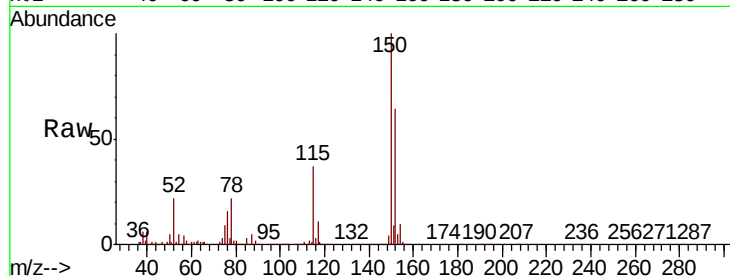
Tot Ion:152 Resp: 298879

Ion Ratio Lower Upper

152 100

115 57.0 26.2 78.6

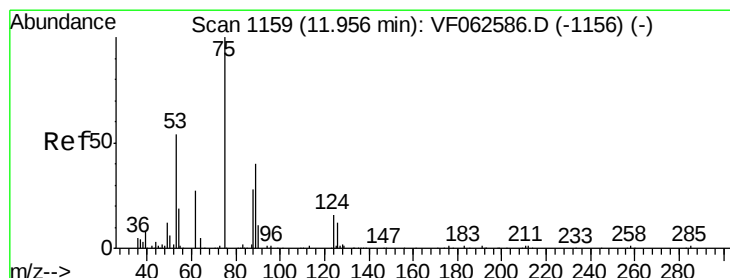
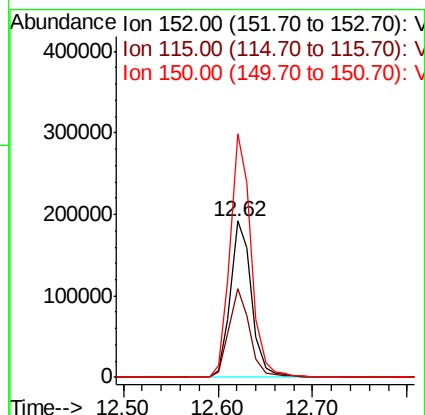
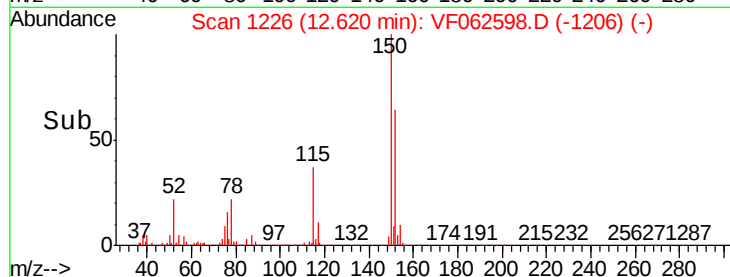
150 155.6 0.0 316.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.114 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VF062598.D

Acq: 14 May 2019 23:57

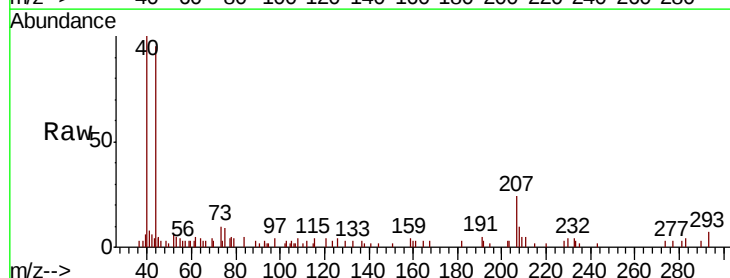
Tgt Ion: 75 Resp: 1253

Ion Ratio Lower Upper

75 100

53 63.2 46.6 70.0

89 40.2 33.8 50.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

