

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062693.D
 Acq On : 21 May 2019 19:59
 Operator : FY/SY
 Sample : K2971-11RE
 Misc : 6.17g/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:58:16 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	713606	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1185180	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	792018	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	370167	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	193254	38.32	ug/l	0.00
Spiked Amount			Recovery	=	76.64%	
35) Dibromofluoromethane	4.31	113	342092	37.72	ug/l	-0.01
Spiked Amount			Recovery	=	75.44%	
50) Toluene-d8	7.71	98	671848	31.03	ug/l	-0.01
Spiked Amount			Recovery	=	62.06%	
62) 4-Bromofluorobenzene	11.49	95	235584	28.69	ug/l	-0.01
Spiked Amount			Recovery	=	57.38%	

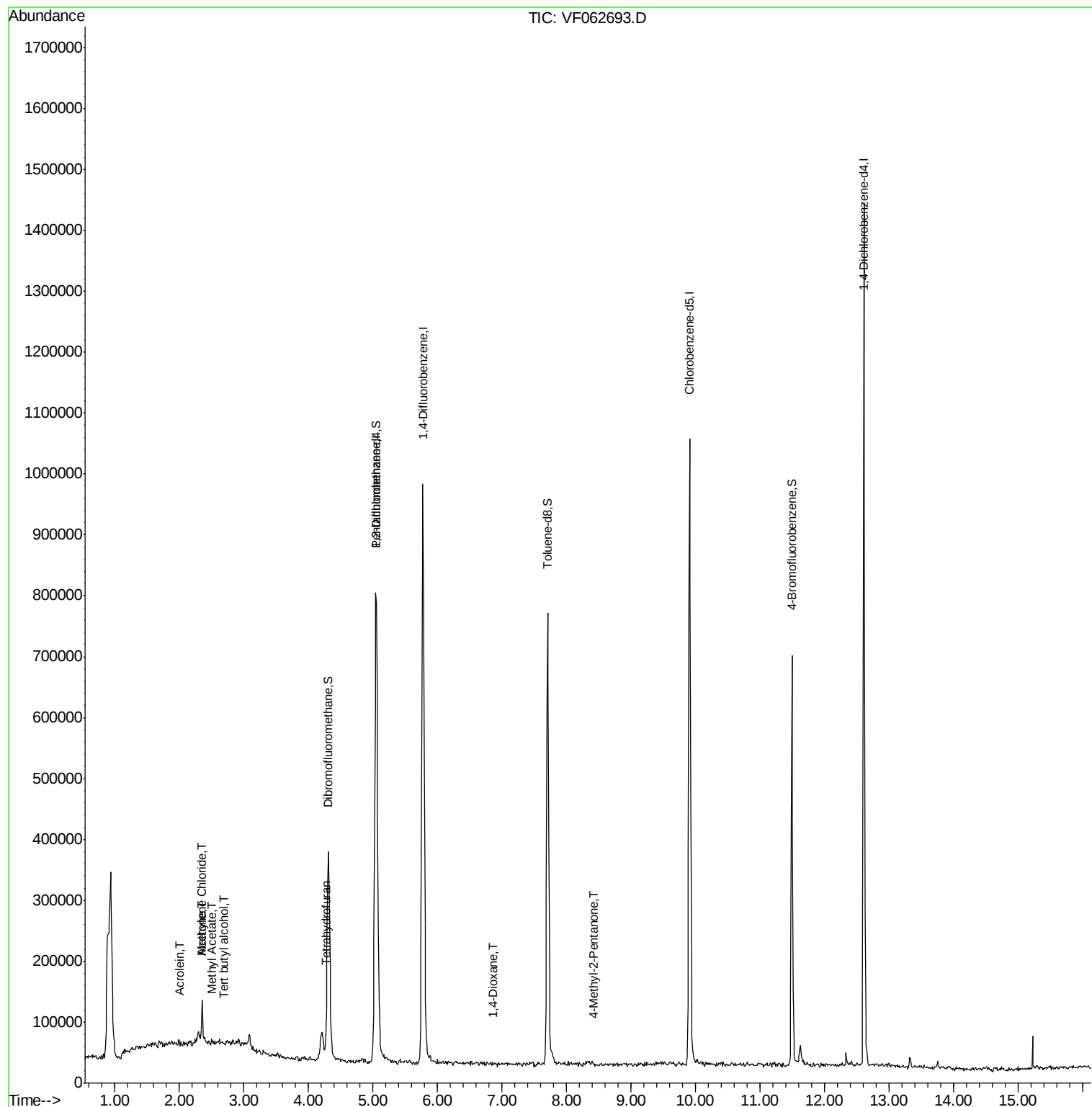
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	875	2.628	ug/l #	1
13) Acrolein	1.99	56	1066	3.067	ug/l	89
16) Acetone	2.36	43	5045	3.856	ug/l #	64
18) Methyl Acetate	2.50	43	2502	1.217	ug/l	100
20) Methylene Chloride	2.35	84	17899	2.730	ug/l #	87
29) Tetrahydrofuran	4.27	42	4180	3.696	ug/l #	62
49) 1,4-Dioxane	6.86	88	742	17.254	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	4940	1.125	ug/l #	54
59) 2-Hexanone	9.54	43	1384	Below Cal		97
74) N-amyl acetate	11.47	43	827	Below Cal	#	1

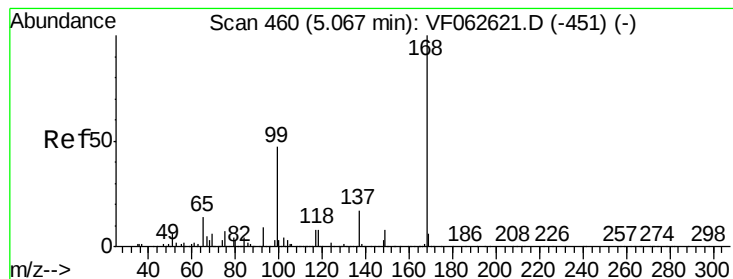
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 05:49:09 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: VF062693.D

Acq: 21 May 2019 19:59

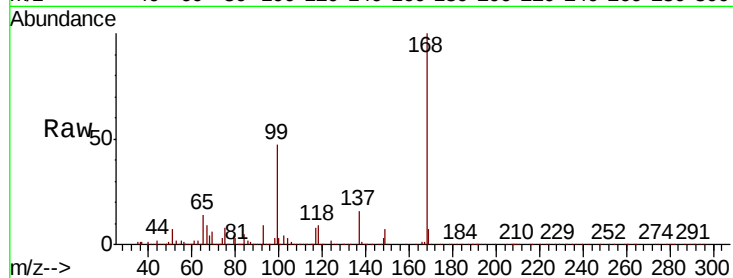
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 713606

Ion Ratio Lower Upper

168 100

99 47.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

150000

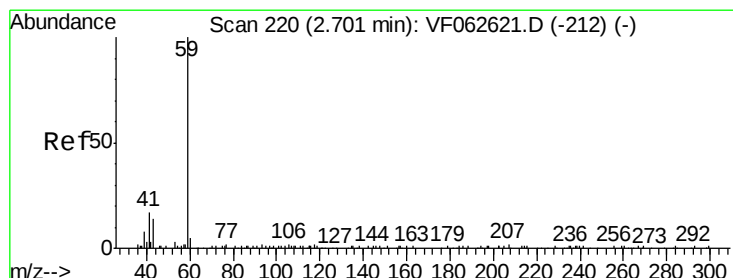
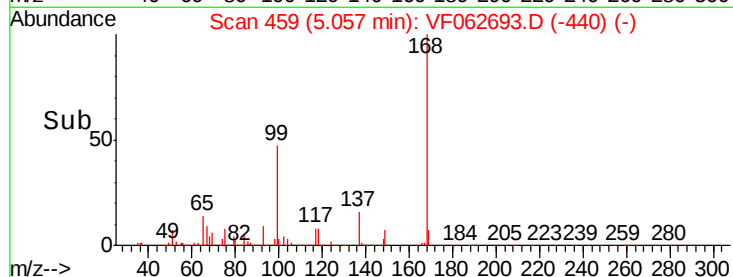
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#11

Tert butyl alcohol

Concen: 2.628 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062693.D

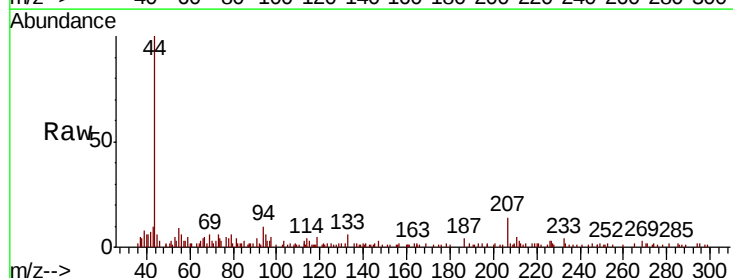
Acq: 21 May 2019 19:59

Tgt Ion: 59 Resp: 875

Ion Ratio Lower Upper

59 100

57 69.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

800

600

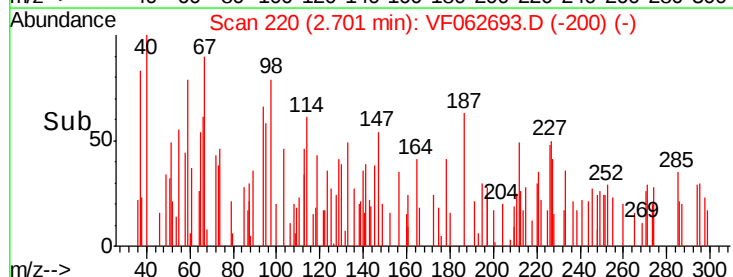
400

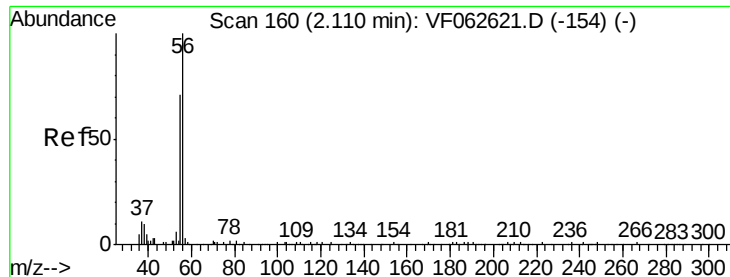
200

0

2.66 2.68 2.70 2.72

Time-->





#13

Acrolein

Concen: 3.067 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.12 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

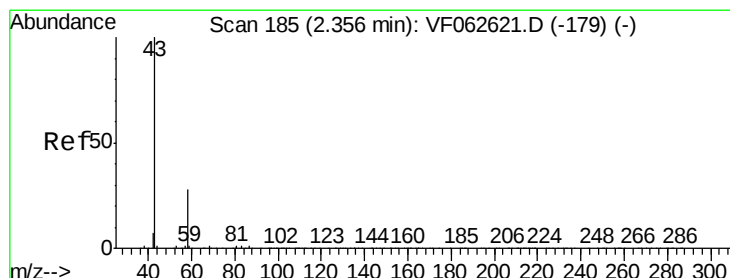
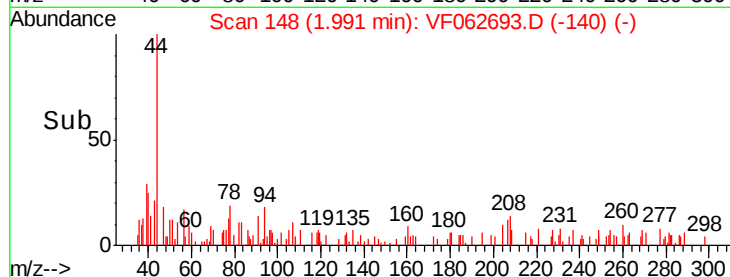
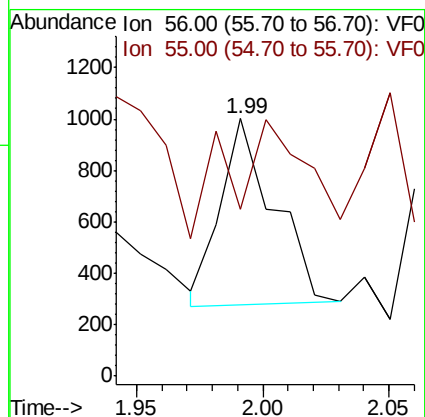
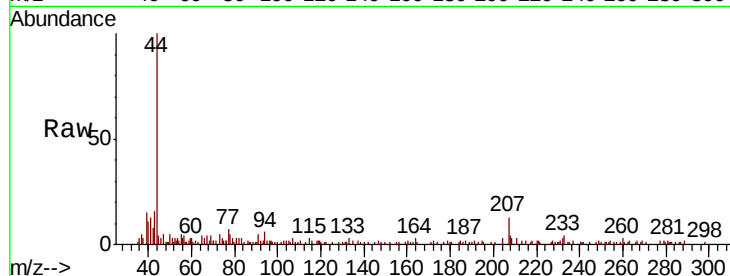
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1066

Ion Ratio Lower Upper

56 100

55 64.6 59.4 89.0



#16

Acetone

Concen: 3.856 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062693.D

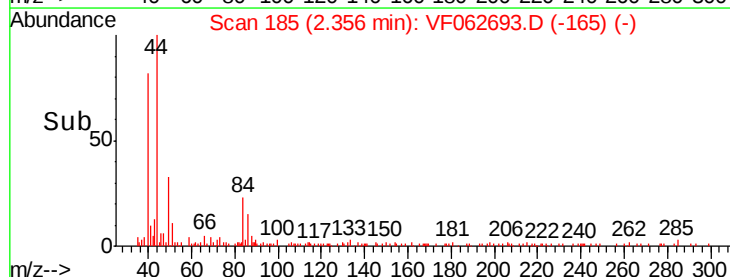
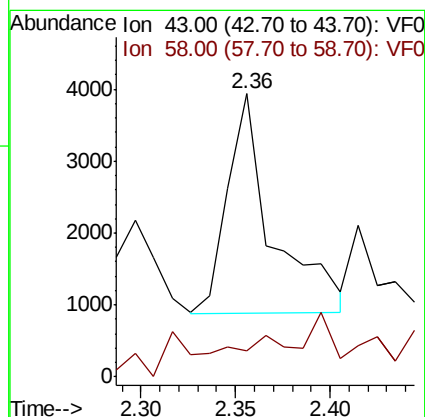
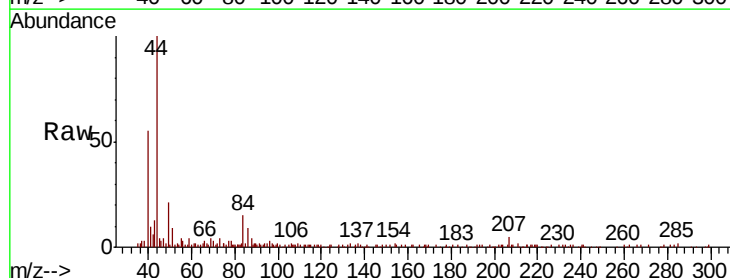
Acq: 21 May 2019 19:59

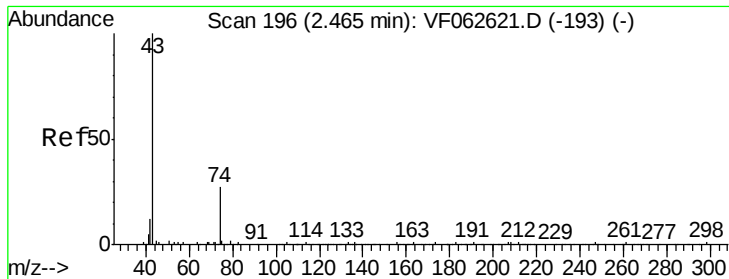
Tgt Ion: 43 Resp: 5045

Ion Ratio Lower Upper

43 100

58 9.3 22.6 33.8#

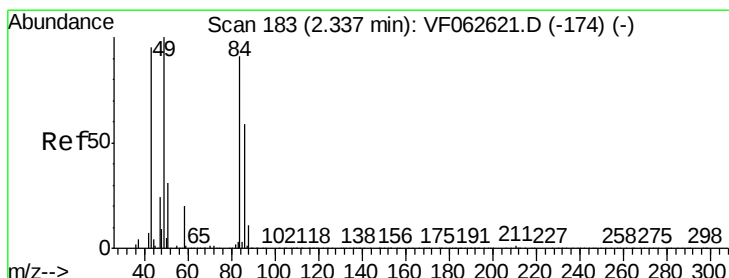
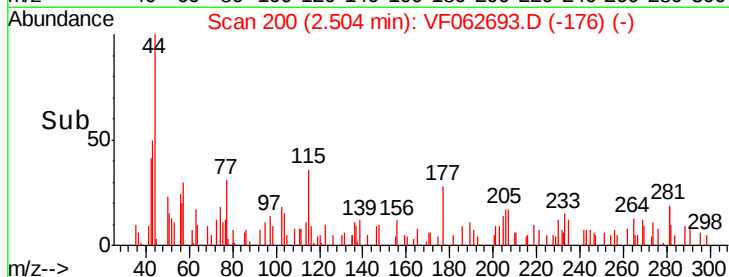
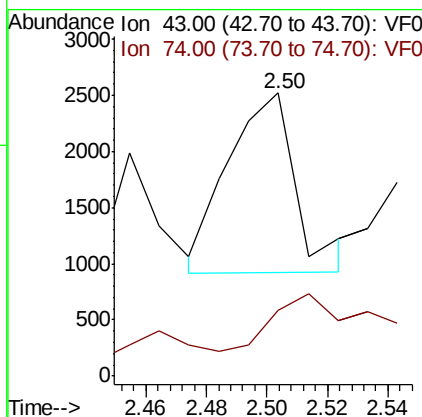
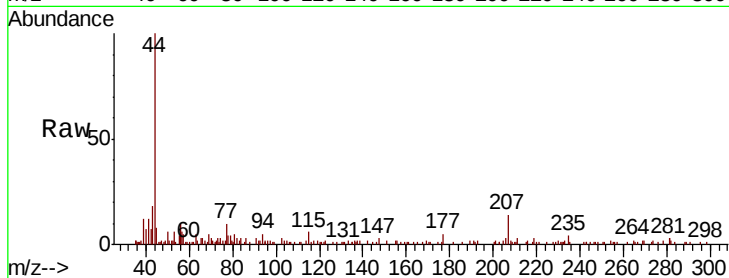




#18
Methyl Acetate
Concen: 1.217 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062693.D
Acq: 21 May 2019 19:59

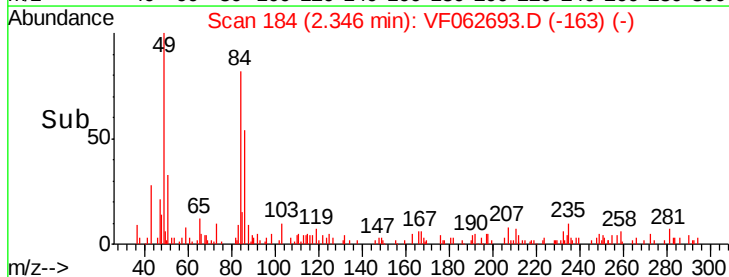
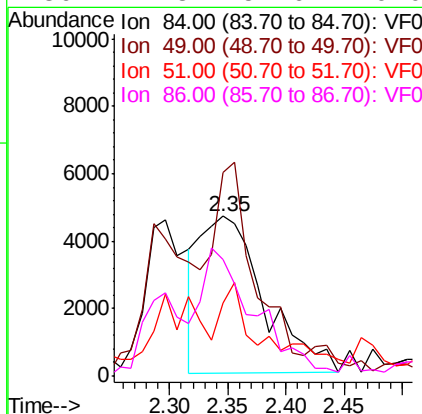
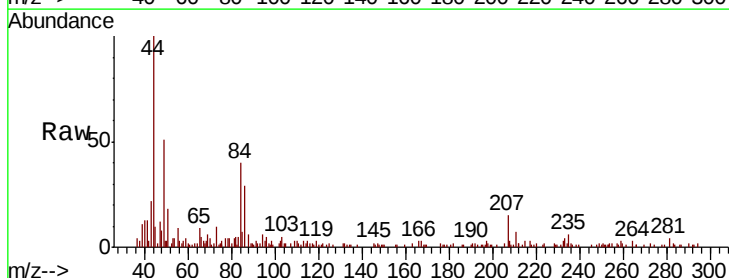
Instrument :
MSVOA_F
ClientSampleId :

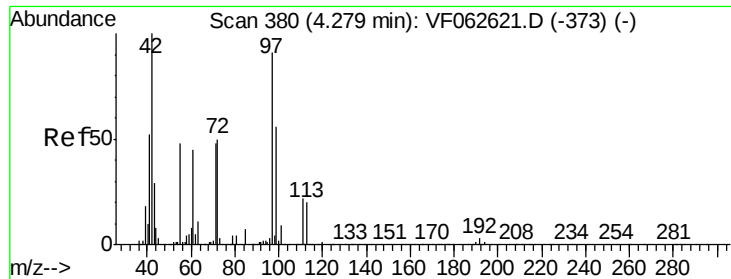
Tot Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3



#20
Methylene Chloride
Concen: 2.730 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062693.D
Acq: 21 May 2019 19:59

Tgt Ion: 84 Resp: 17899
Ion Ratio Lower Upper
84 100
49 127.1 89.8 134.8
51 45.7 28.4 42.6#
86 72.8 52.6 79.0





#29

Tetrahydrofuran

Concen: 3.696 ug/l

RT: 4.27 min Scan# 379

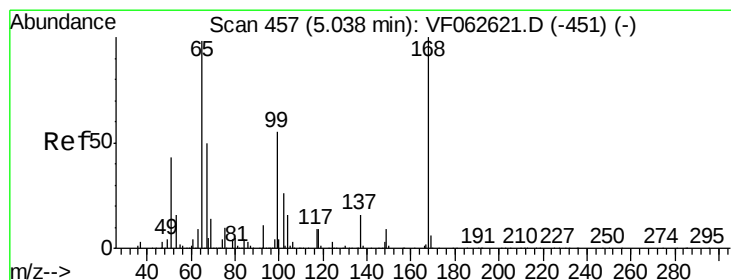
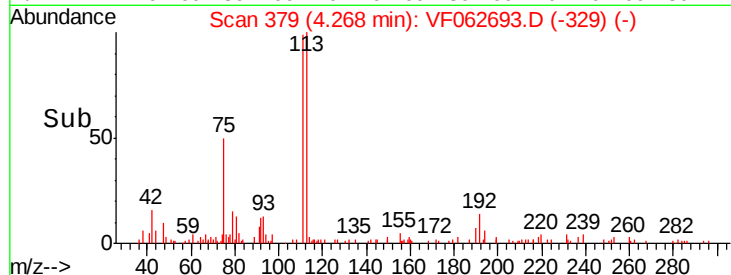
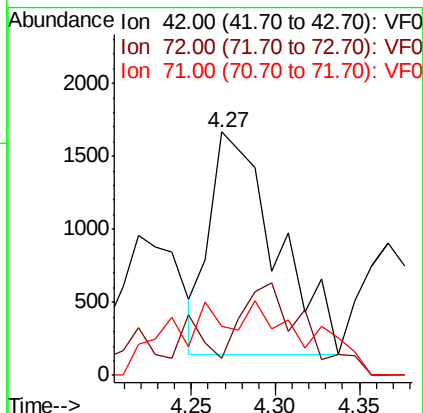
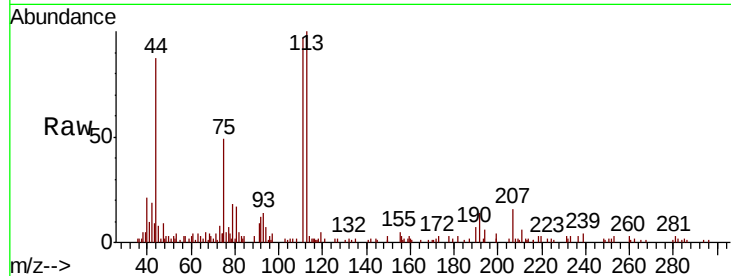
Delta R.T. -0.01 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	4180
Ion	Ratio	Lower	Upper
42	100		
72	10.8	38.2	57.2#
71	31.3	35.8	53.6#



#33

1,2-Dichloroethane-d4

Concen: 38.324 ug/l

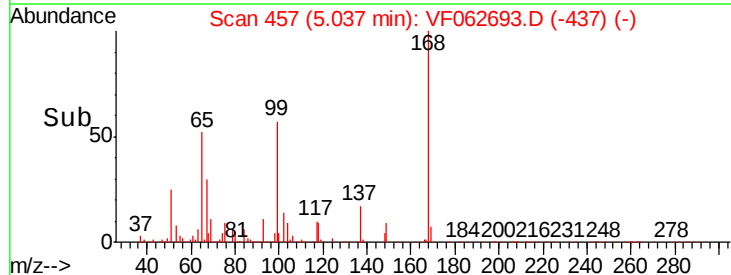
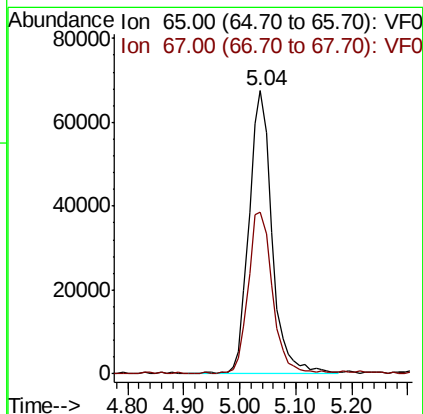
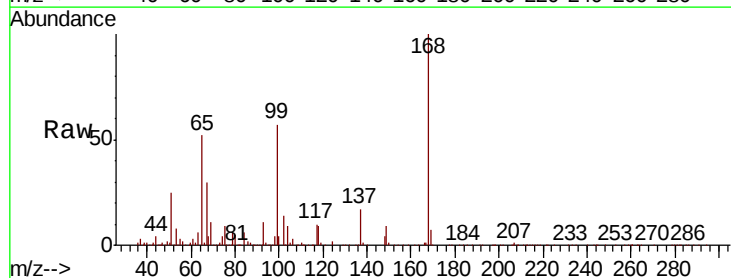
RT: 5.04 min Scan# 457

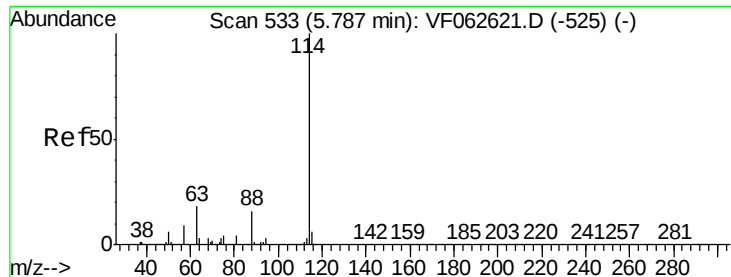
Delta R.T. -0.00 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

Tgt Ion:	65	Resp:	193254
Ion	Ratio	Lower	Upper
65	100		
67	57.3	0.0	117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

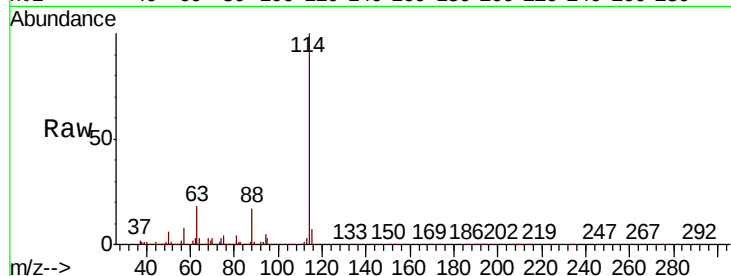
Tot Ion:114 Resp: 1185180

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

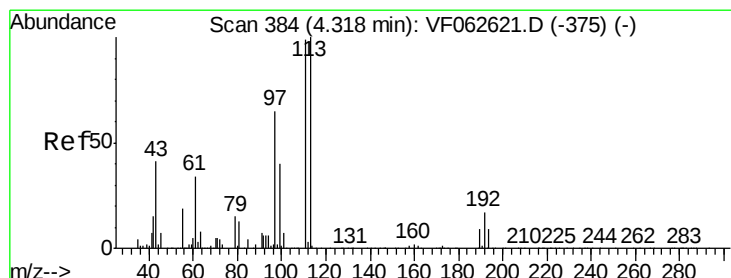
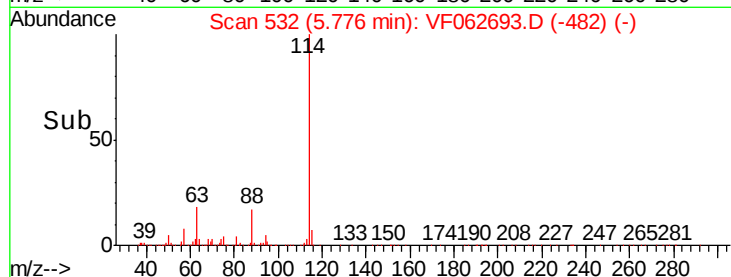
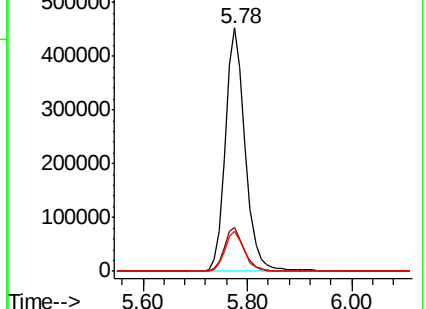
88 16.7 0.0 32.4



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: 37.721 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

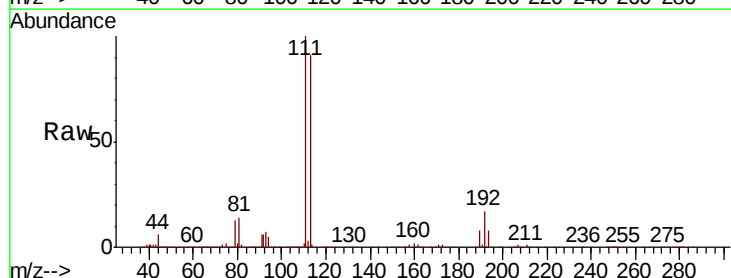
Tgt Ion:113 Resp: 342092

Ion Ratio Lower Upper

113 100

111 108.1 79.4 119.2

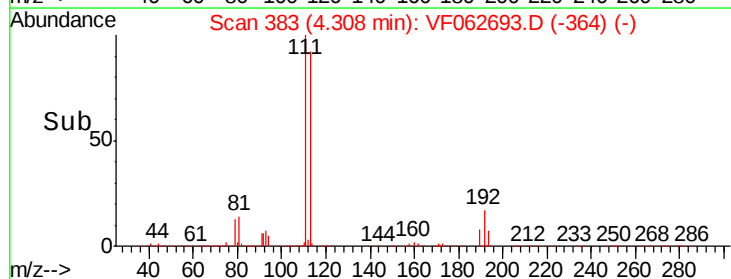
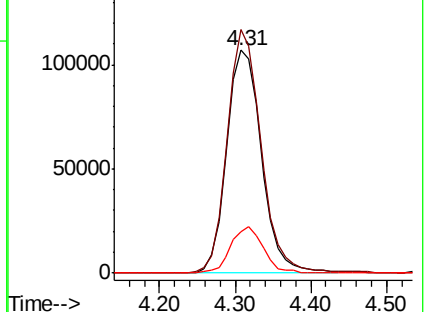
192 18.4 13.4 20.2

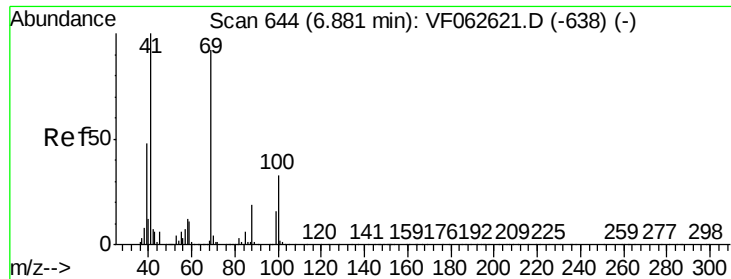


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

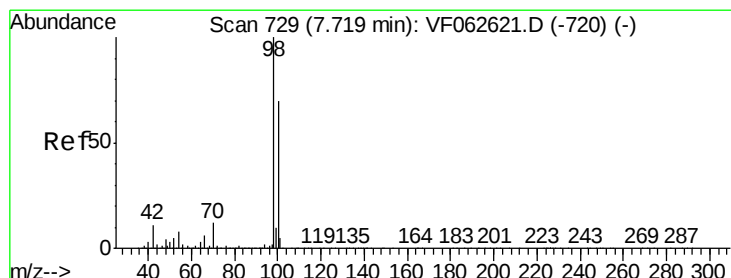
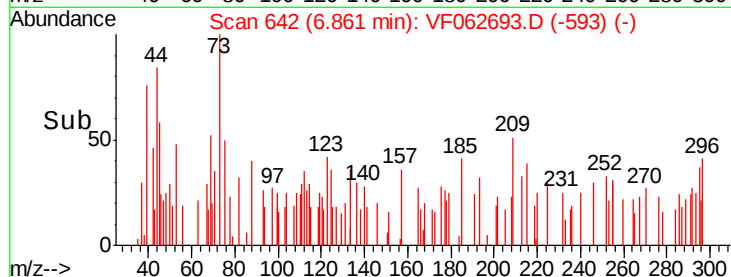
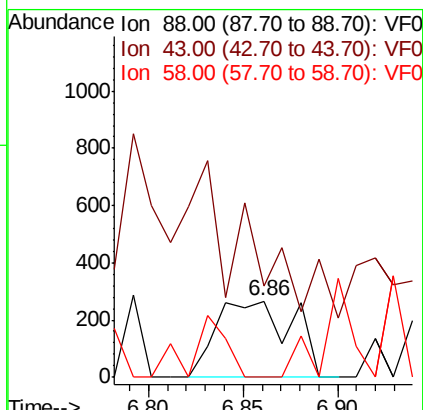
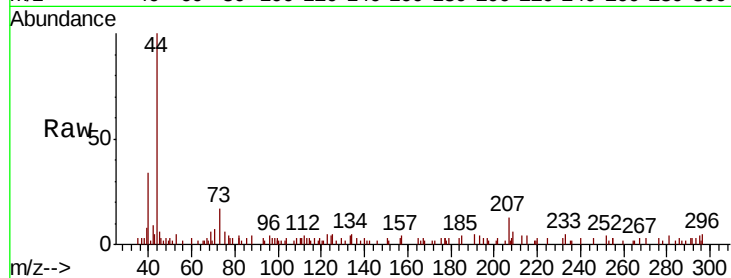




#49
1,4-Dioxane
Concen: 17.254 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062693.D
Acq: 21 May 2019 19:59

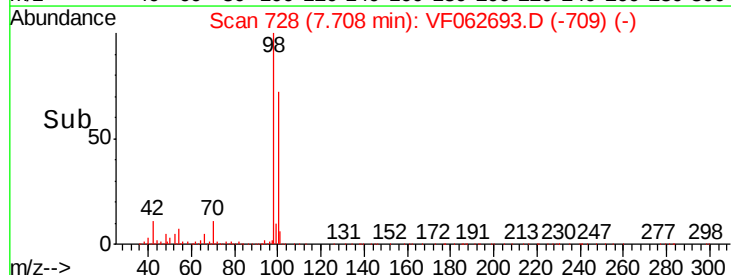
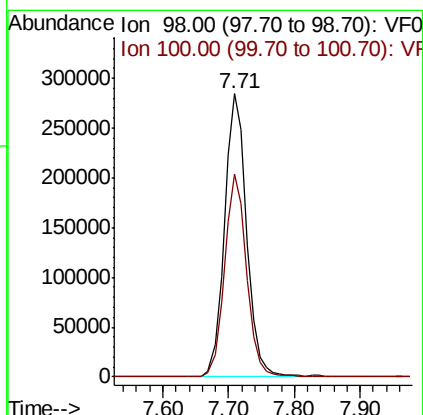
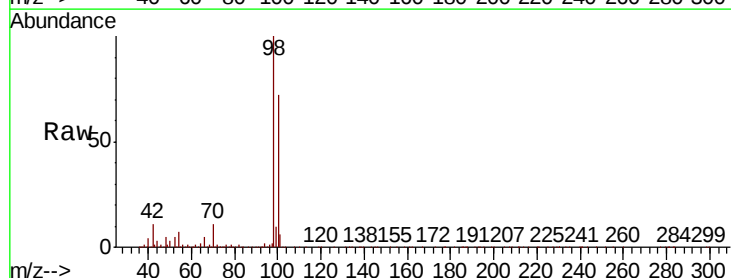
Instrument :
MSVOA_F
ClientSampleId :

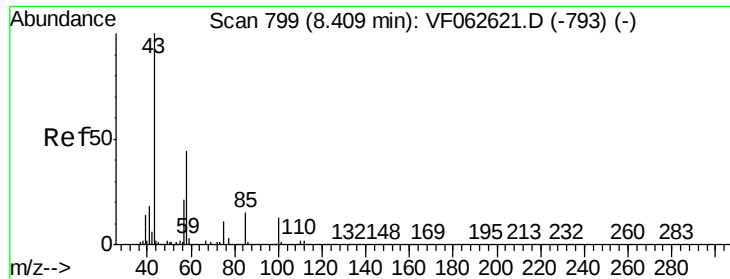
Tot Ion: 88 Resp: 742
Ion Ratio Lower Upper
88 100
43 119.9 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 31.027 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062693.D
Acq: 21 May 2019 19:59

Tgt Ion: 98 Resp: 671848
Ion Ratio Lower Upper
98 100
100 71.6 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.125 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

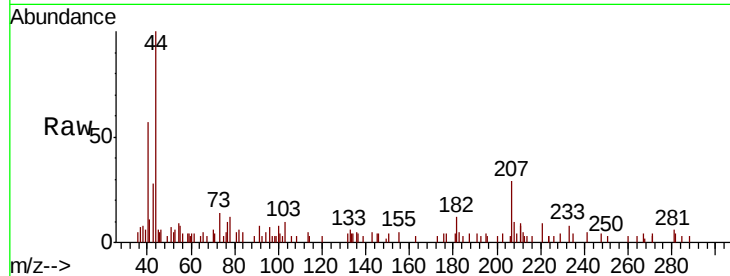
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4940

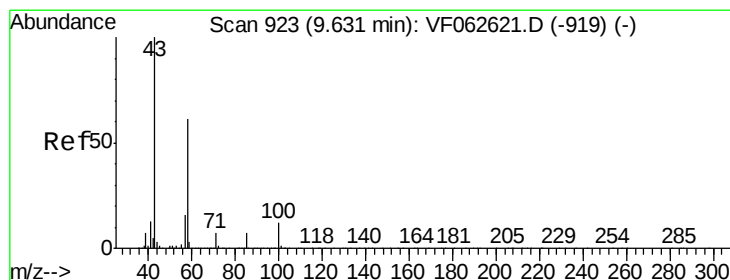
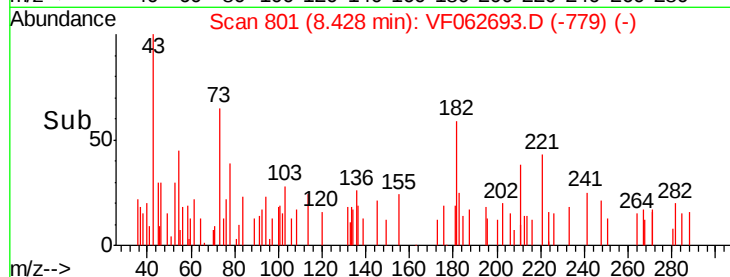
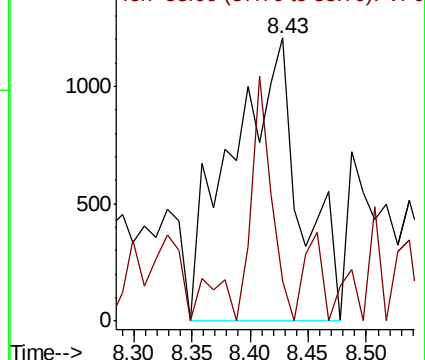
Ion Ratio Lower Upper

43 100

58 14.3 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.54 min Scan# 914

Delta R.T. -0.09 min

Lab File: VF062693.D

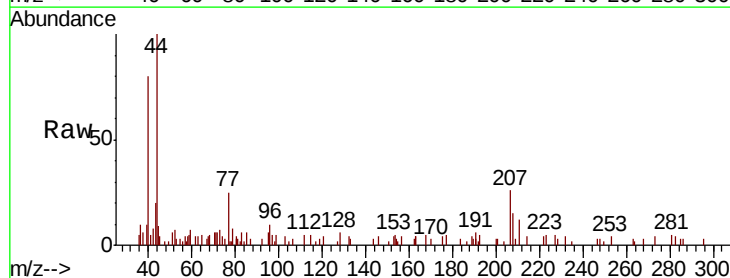
Acq: 21 May 2019 19:59

Tgt Ion: 43 Resp: 1384

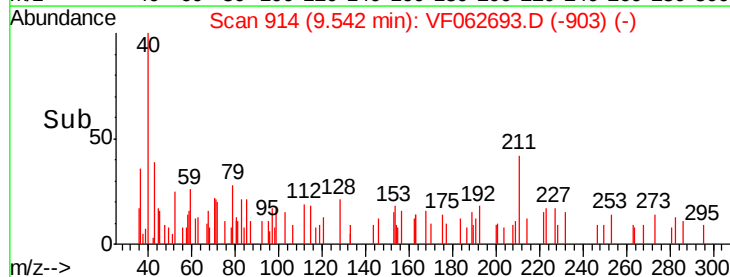
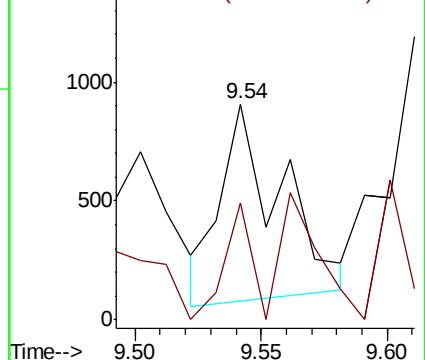
Ion Ratio Lower Upper

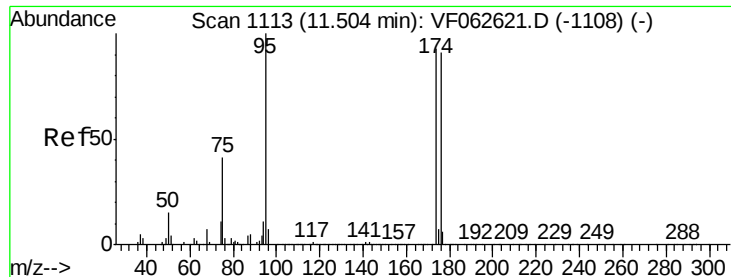
43 100

58 54.1 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 28.686 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

Instrument :

MSVOA_F

ClientSampleId :

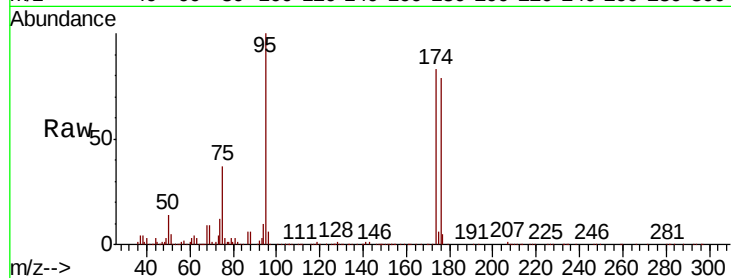
Tot Ion: 95 Resp: 235584

Ion Ratio Lower Upper

95 100

174 83.0 0.0 185.6

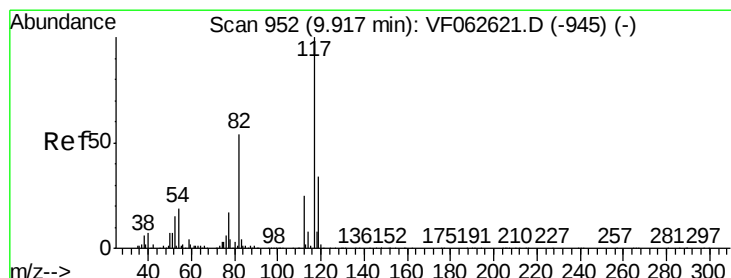
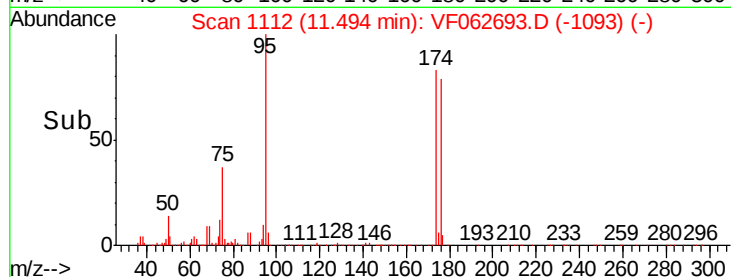
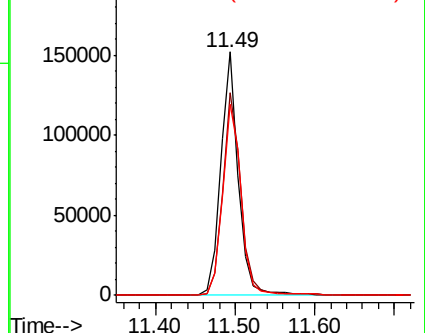
176 78.6 0.0 182.4



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: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

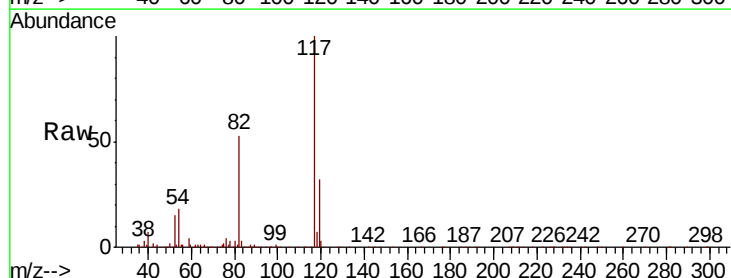
Tgt Ion: 117 Resp: 792018

Ion Ratio Lower Upper

117 100

82 52.9 43.3 64.9

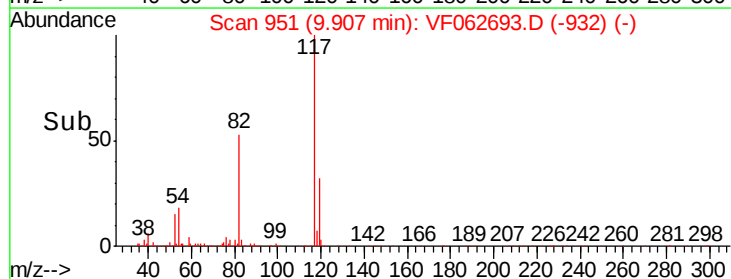
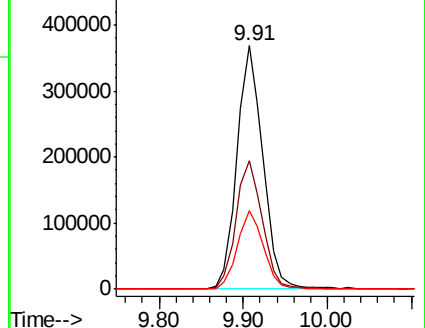
119 32.3 27.4 41.0

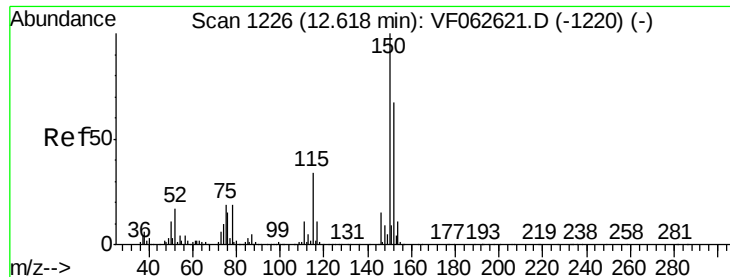


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

Instrument :

MSVOA_F

ClientSampled :

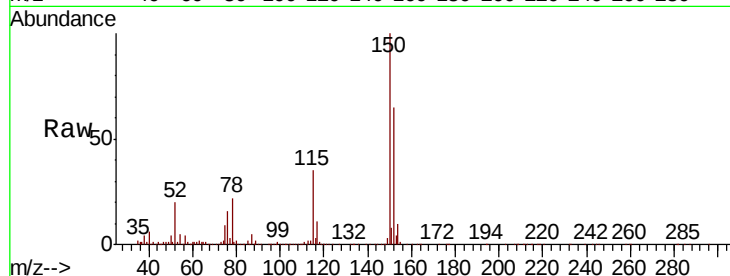
Tot Ion:152 Resp: 370167

Ion Ratio Lower Upper

152 100

115 53.7 25.2 75.6

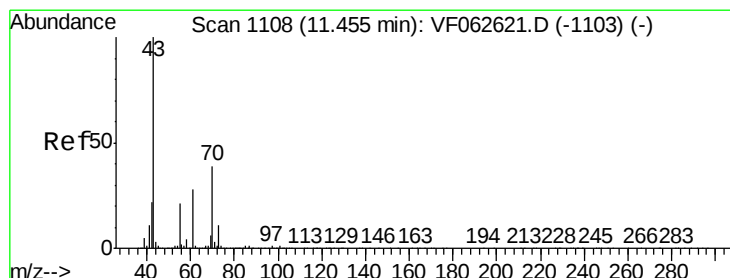
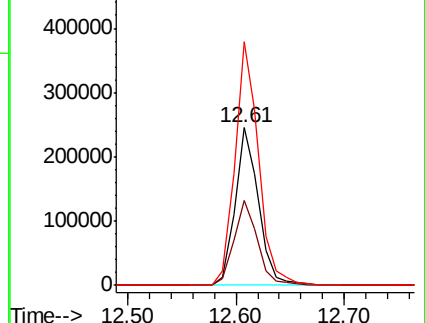
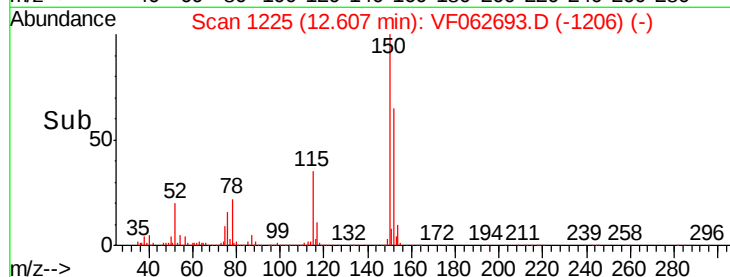
150 154.3 0.0 306.2



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 11.47 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062693.D

Acq: 21 May 2019 19:59

Tgt Ion: 43 Resp: 827

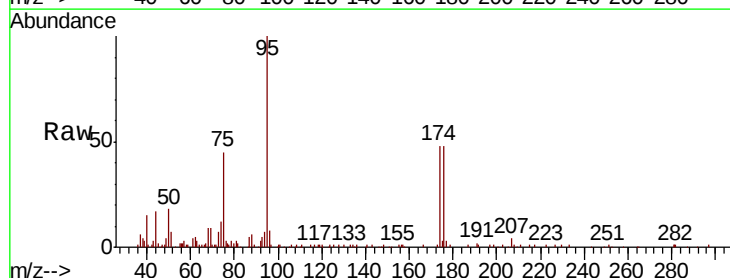
Ion Ratio Lower Upper

43 100

70 29.4 30.9 46.3#

55 63.4 17.0 25.4#

61 158.5 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

