

Data Path : Z:\VOASRV\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 :
 SUP-2A-G-11-052019RE

Quant Time: May 22 03:58:16 2019
 Quant Method : Z:\VOASRV\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%	

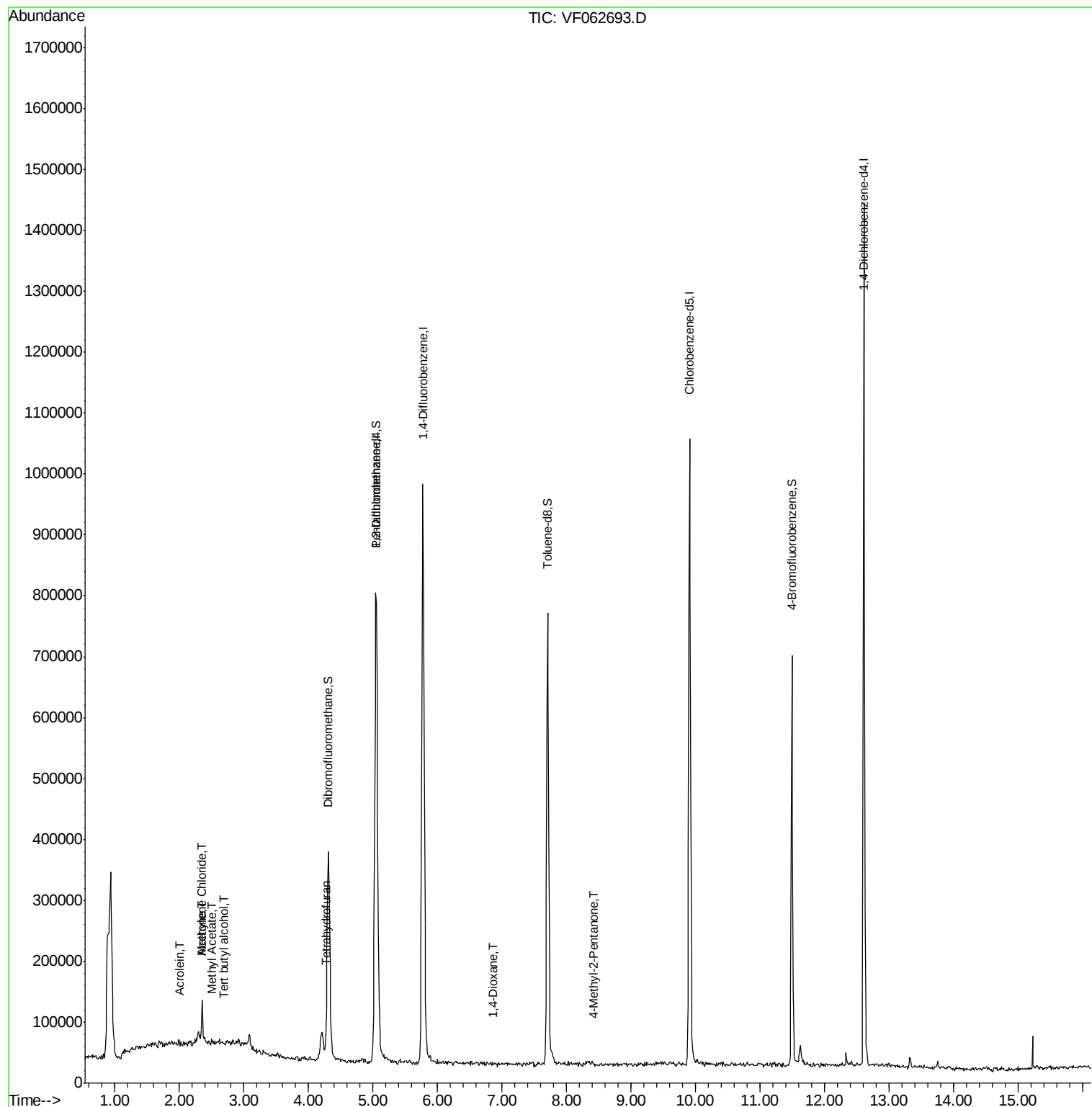
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	875	2.628	ug/l #	1
13) Acrolein	1.99	56	1066	3.067	ug/l	89
16) Acetone	2.36	43	5045	3.856	ug/l #	64
18) Methyl Acetate	2.50	43	2502	1.217	ug/l	100
20) Methylene Chloride	2.35	84	17899	2.730	ug/l #	87
29) Tetrahydrofuran	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

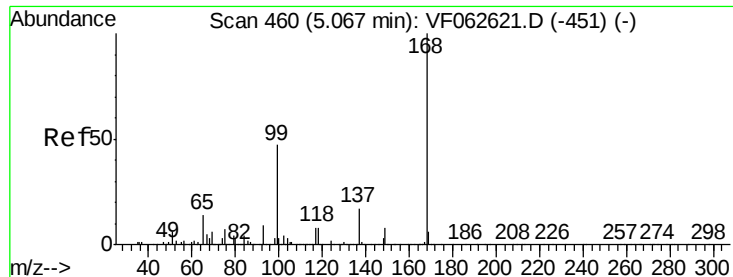
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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 :

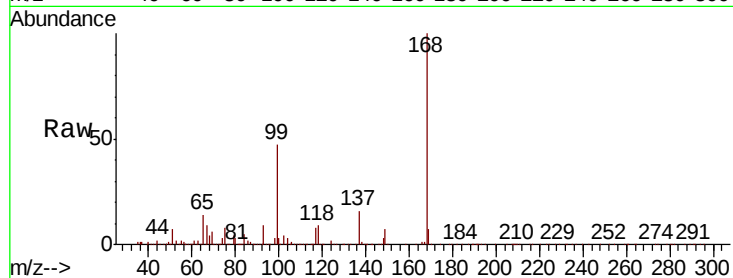
SUP-2A-G-11-052019RE

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

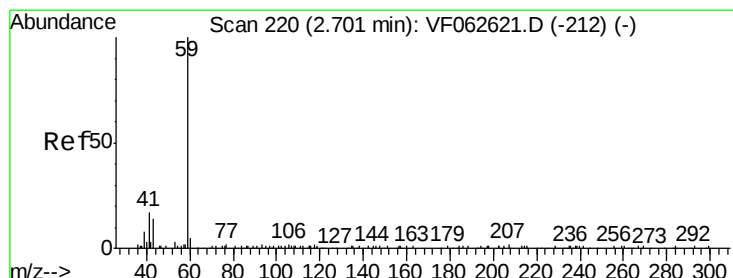
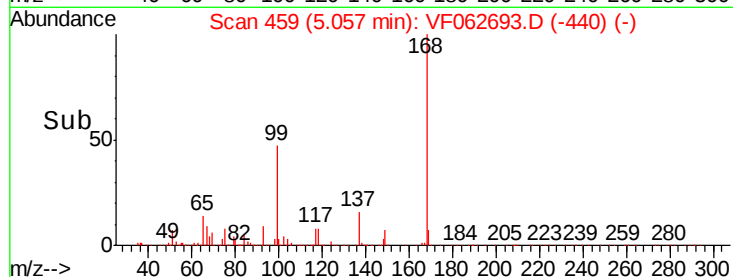
100000

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

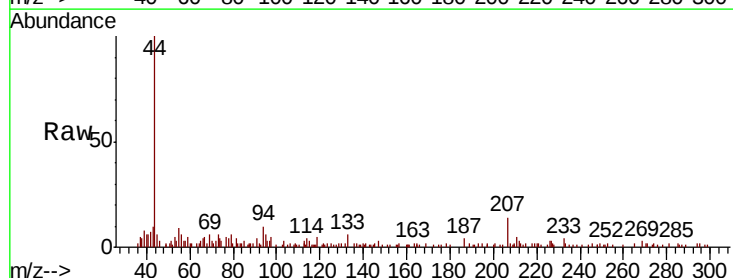
Acq: 21 May 2019 19:59

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

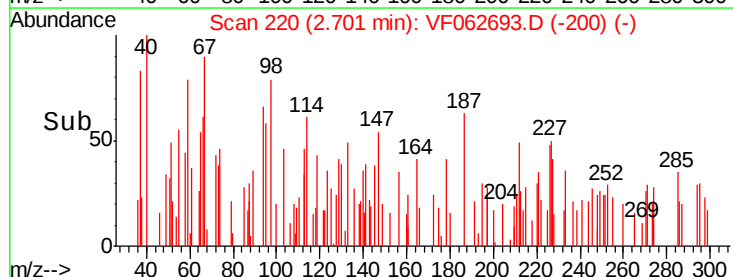
400

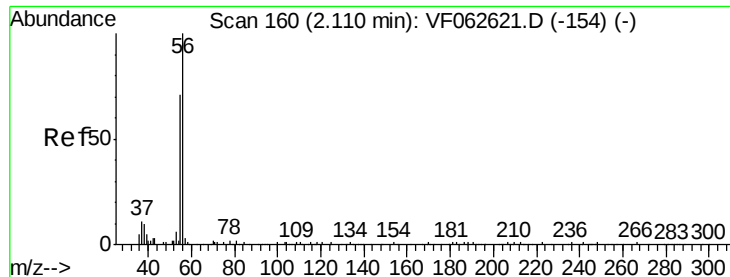
200

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

ClientSampleId :

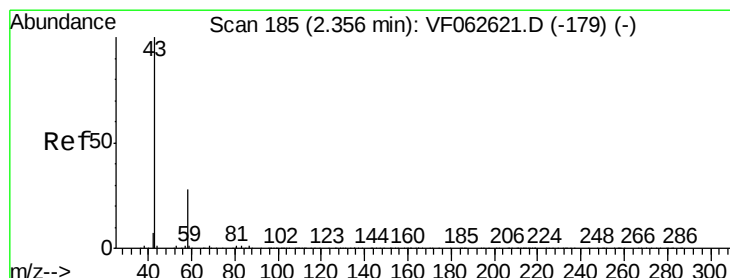
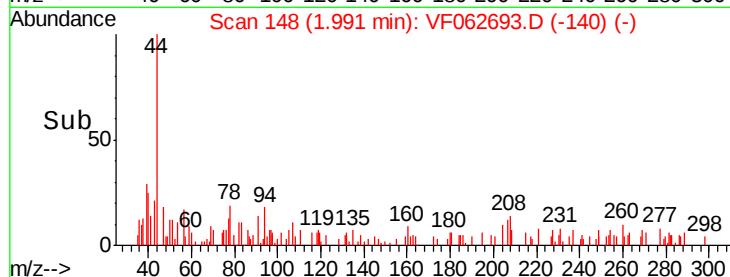
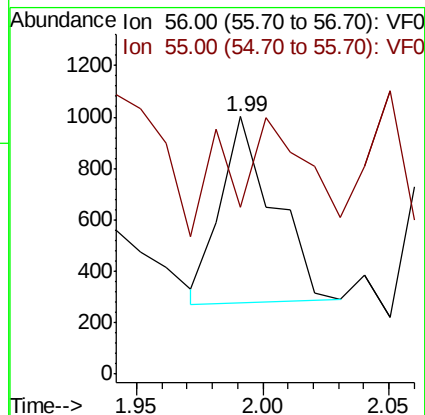
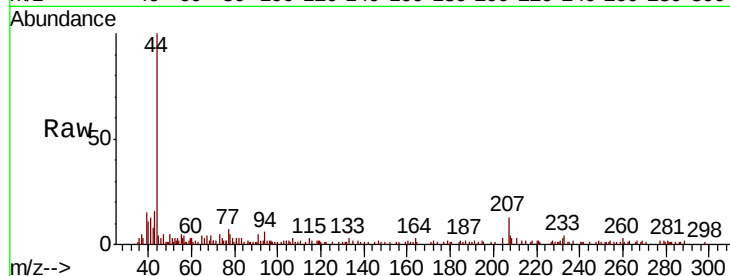
SUP-2A-G-11-052019RE

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

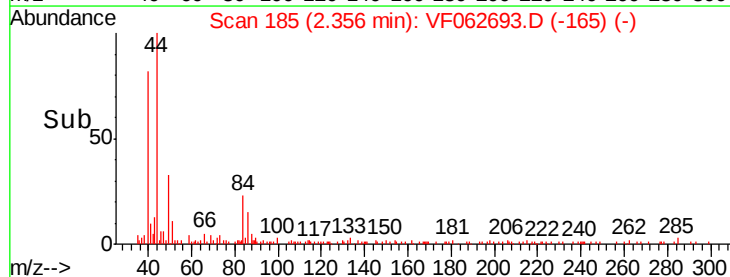
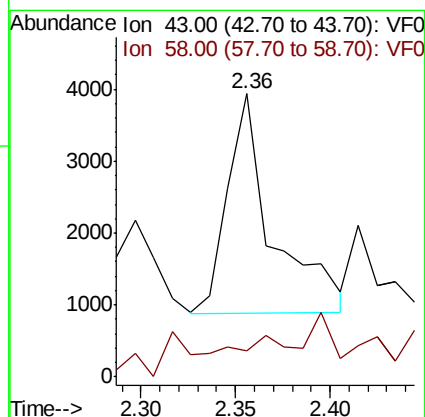
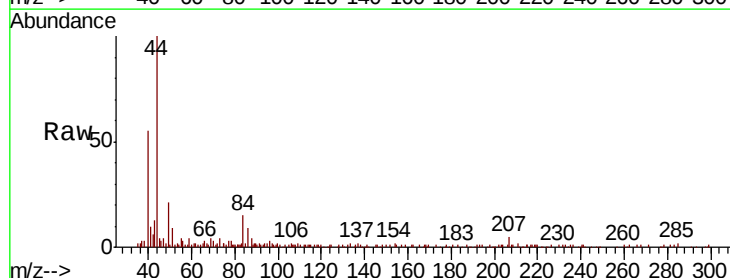
Acq: 21 May 2019 19:59

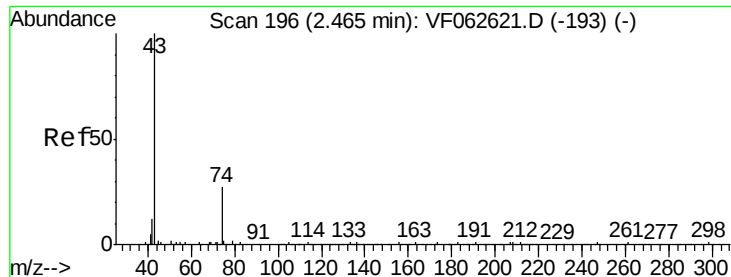
Tgt Ion: 43 Resp: 5045

Ion Ratio Lower Upper

43 100

58 9.3 22.6 33.8#

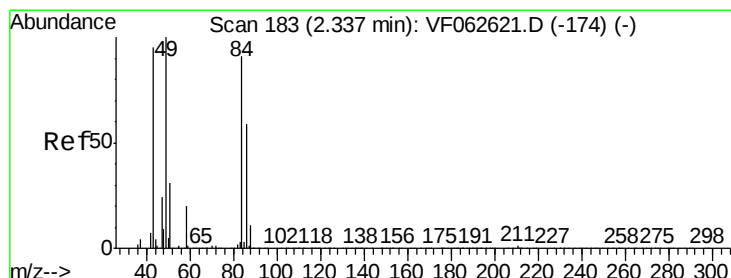
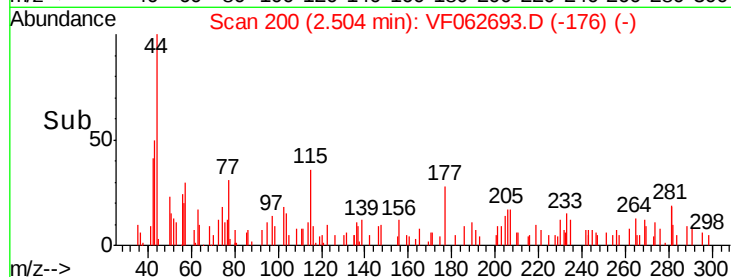
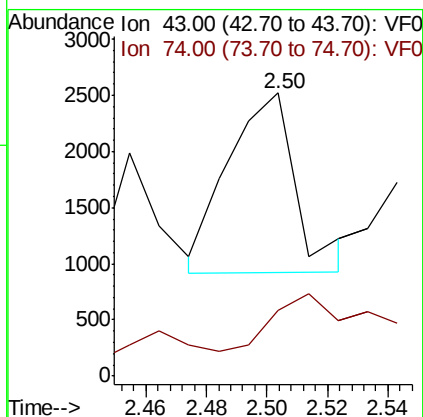
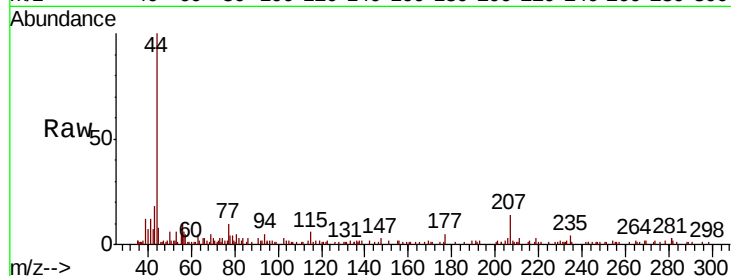




#18
Methvl Acetate
Concen: 1.217 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062693.D
Acq: 21 May 2019 19:59

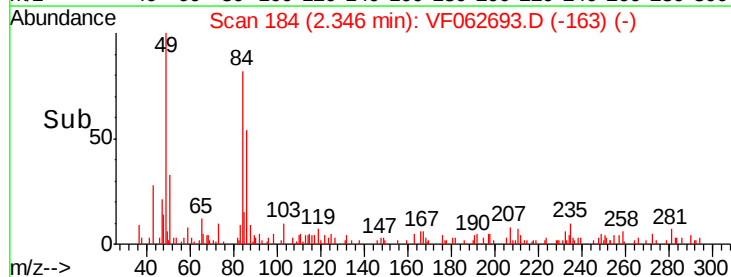
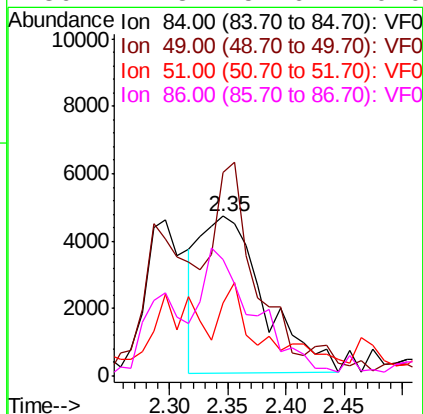
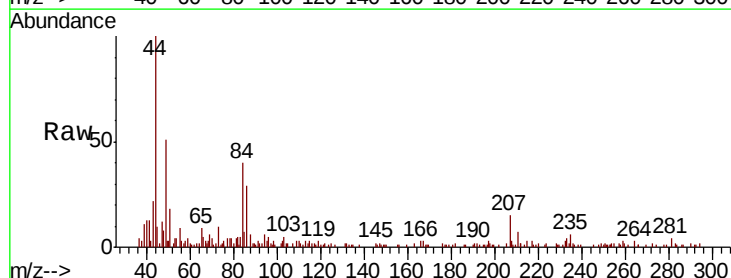
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-11-052019RE

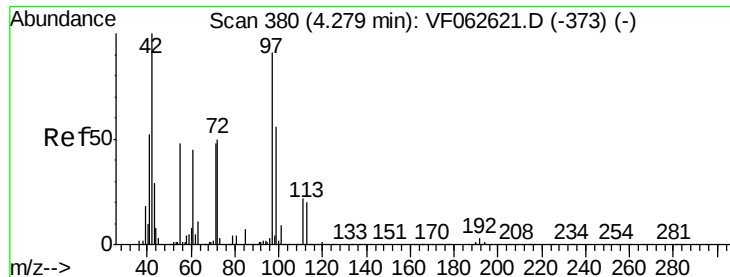
Tot Ion: 43 Resp: 2502
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3



#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 :

SUP-2A-G-11-052019RE

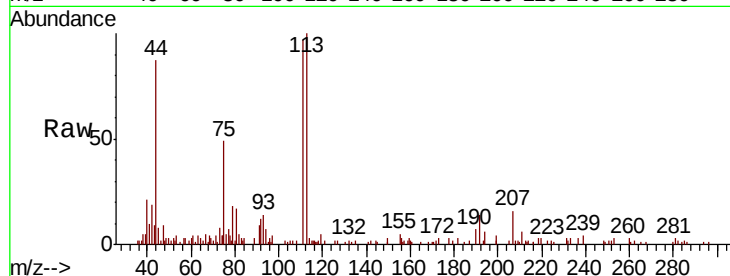
Tot Ion: 42 Resp: 4180

Ion Ratio Lower Upper

42 100

72 10.8 38.2 57.2#

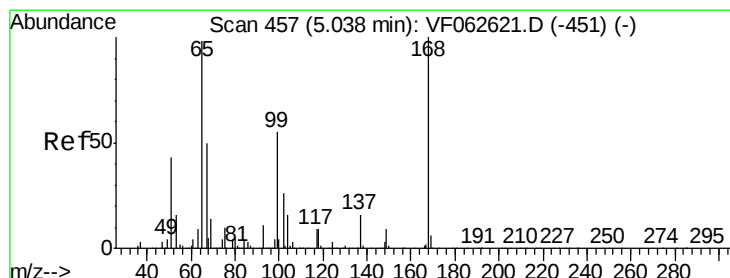
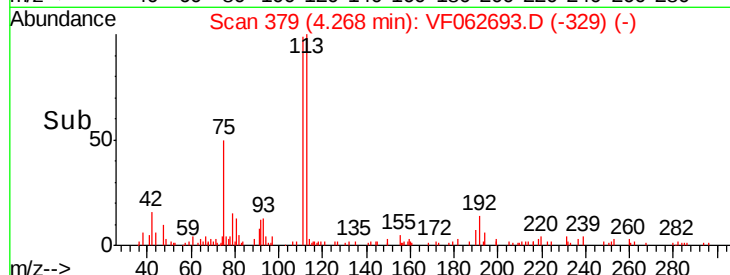
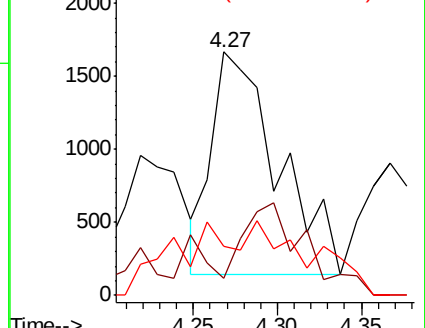
71 31.3 35.8 53.6#



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: 38.324 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062693.D

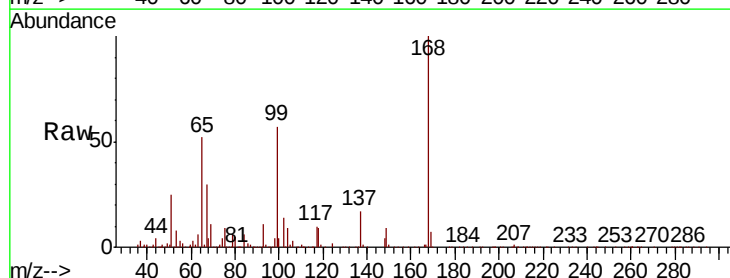
Acq: 21 May 2019 19:59

Tgt Ion: 65 Resp: 193254

Ion Ratio Lower Upper

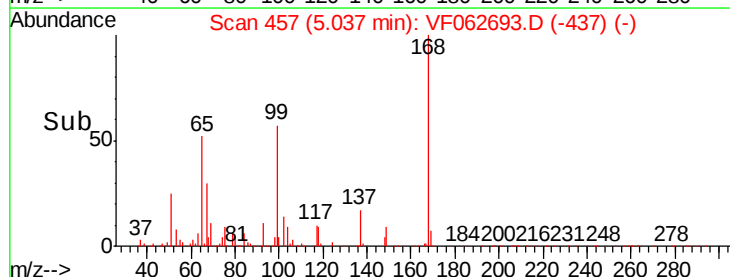
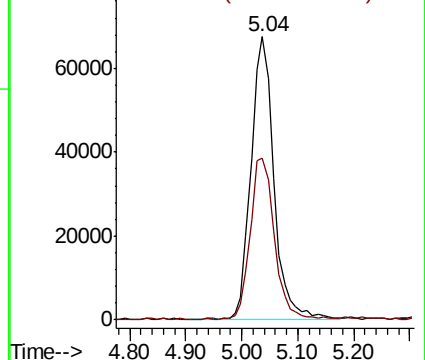
65 100

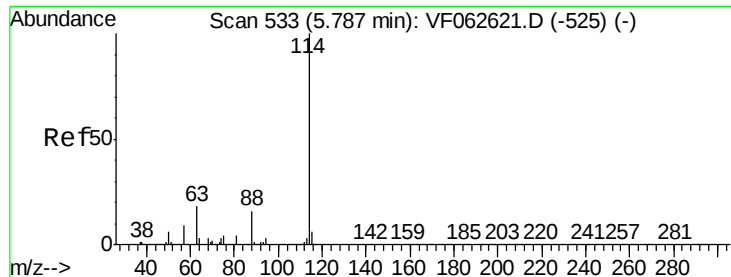
67 57.3 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

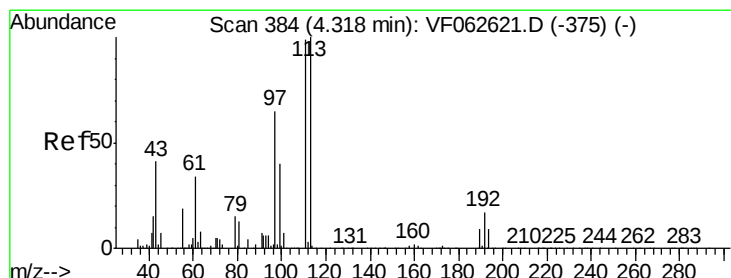
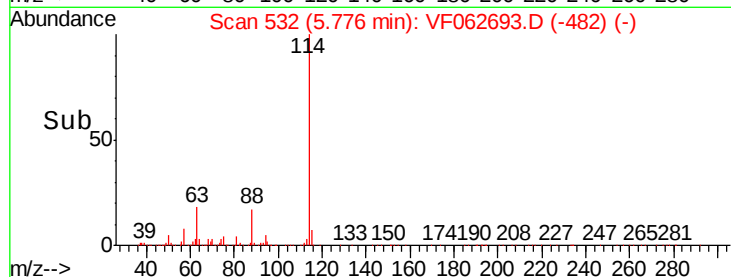
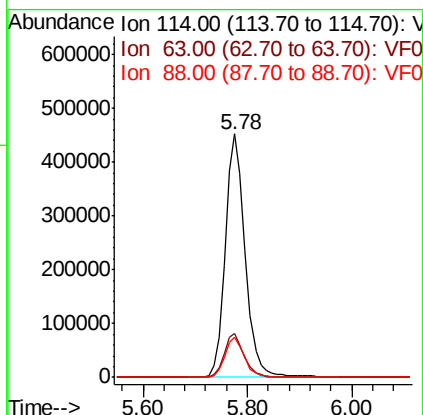
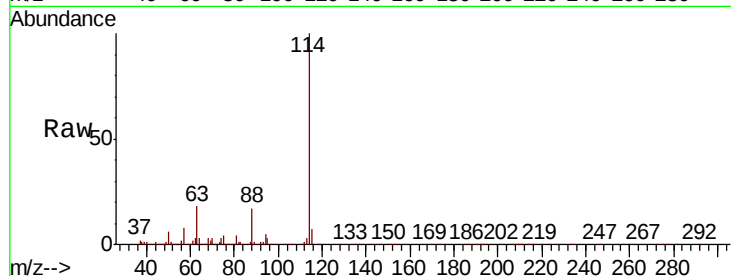




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062693.D
 Acq: 21 May 2019 19:59

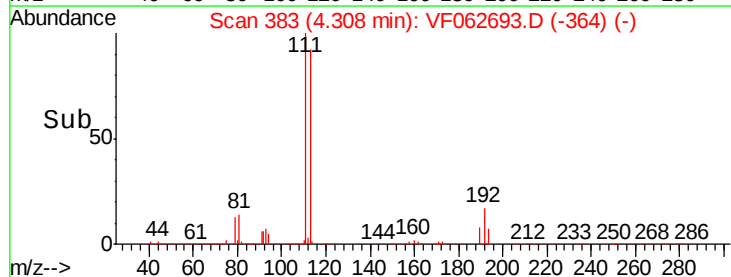
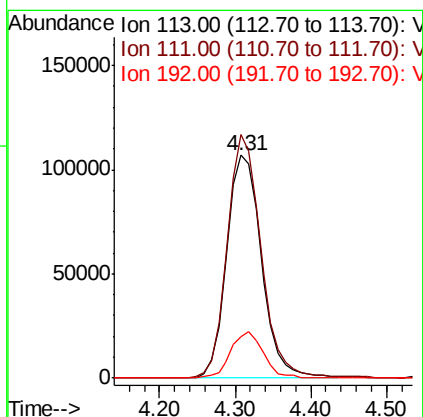
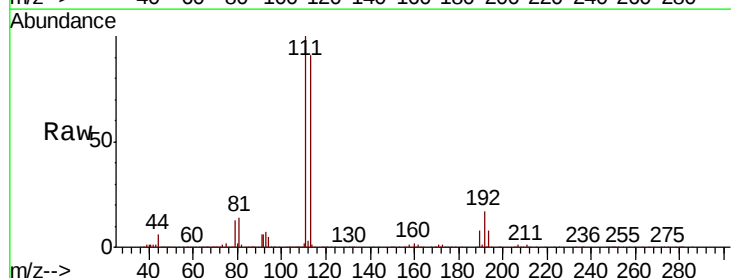
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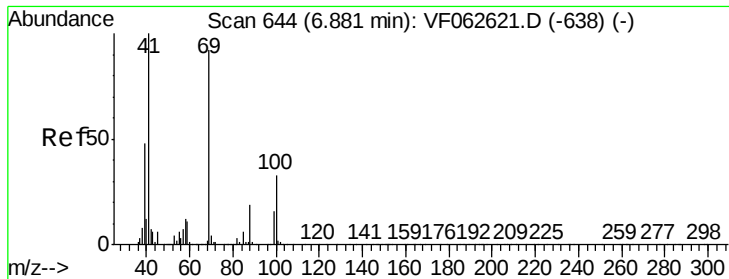
Tot Ion:114 Resp: 1185180
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.4
 88 16.7 0.0 32.4



#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





#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 :

SUP-2A-G-11-052019RE

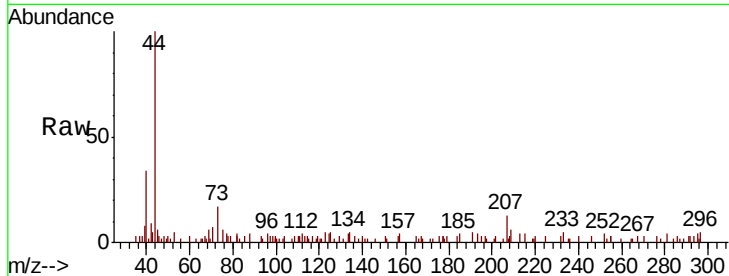
Tot Ion: 88 Resp: 742

Ion Ratio Lower Upper

88 100

43 119.9 30.0 45.0#

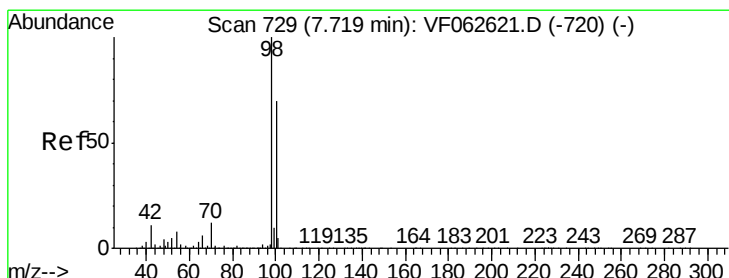
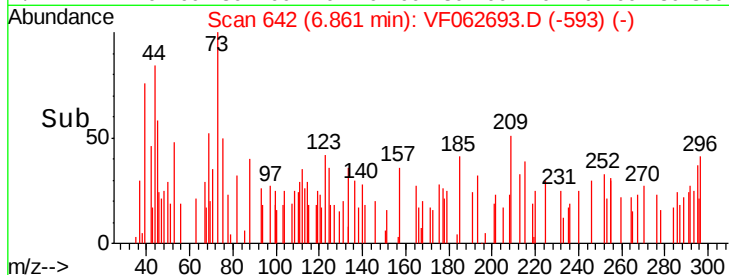
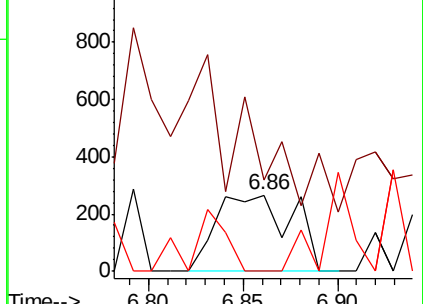
58 0.0 51.1 76.7#



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: 31.027 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062693.D

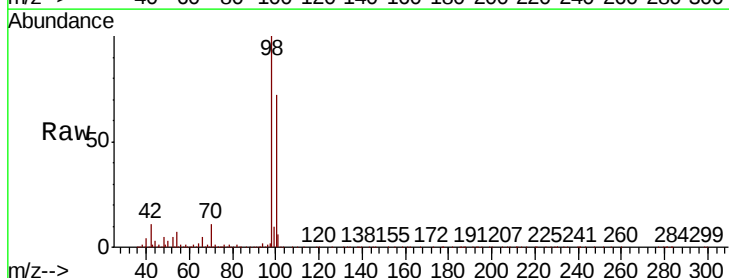
Acq: 21 May 2019 19:59

Tgt Ion: 98 Resp: 671848

Ion Ratio Lower Upper

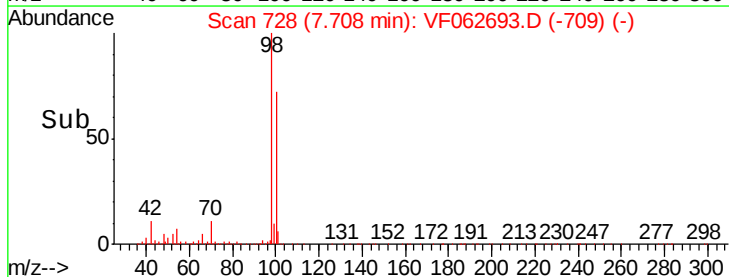
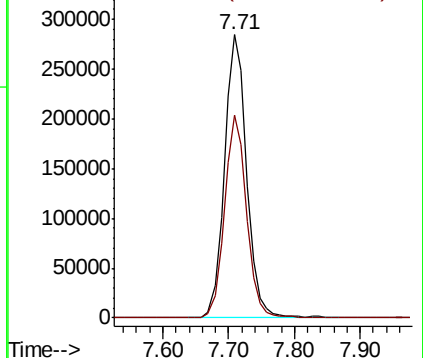
98 100

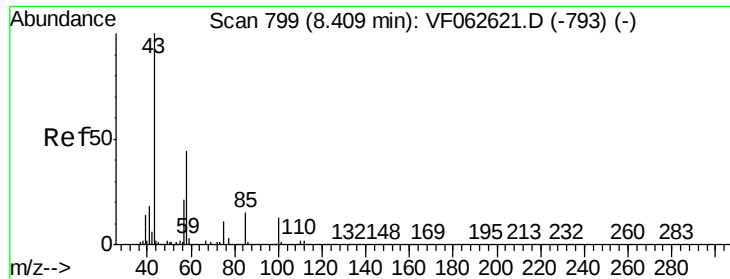
100 71.6 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#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 :

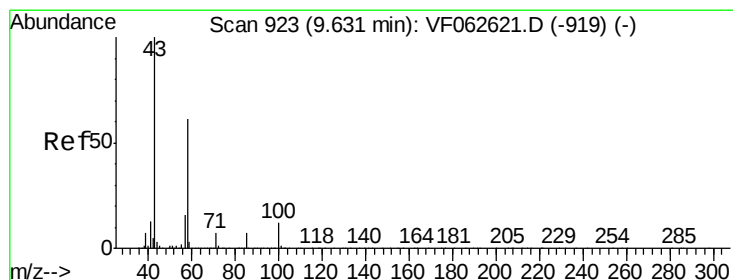
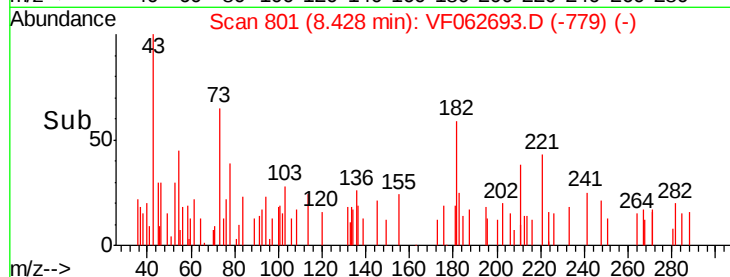
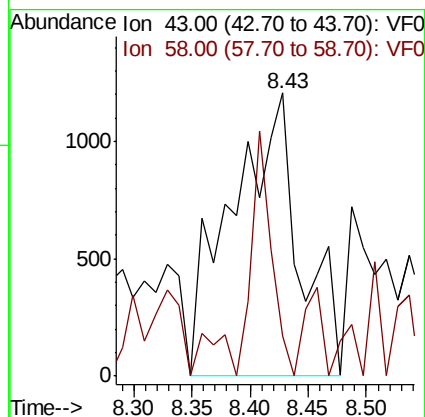
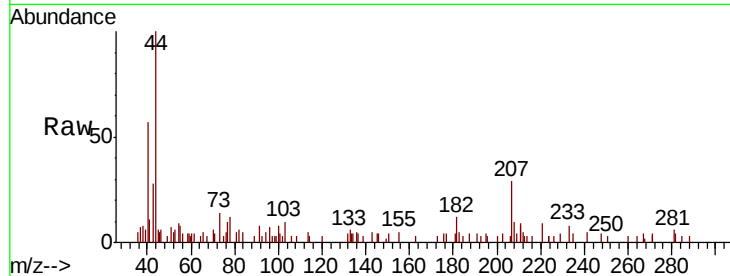
SUP-2A-G-11-052019RE

Tot Ion: 43 Resp: 4940

Ion Ratio Lower Upper

43 100

58 14.3 34.9 52.3#



#59

2-Hexanone

Concen: Below Cal

RT: 9.54 min Scan# 914

Delta R.T. -0.09 min

Lab File: VF062693.D

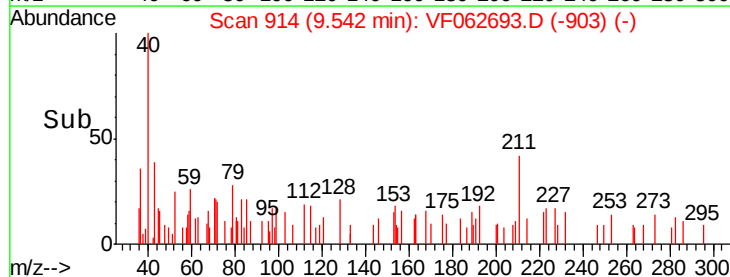
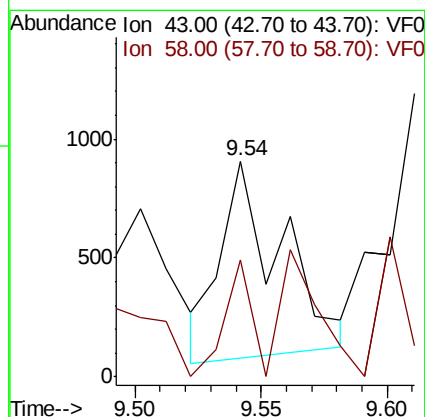
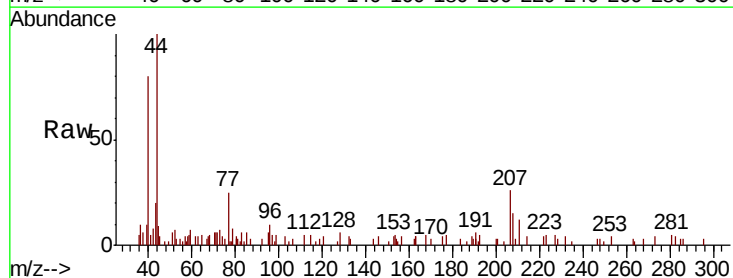
Acq: 21 May 2019 19:59

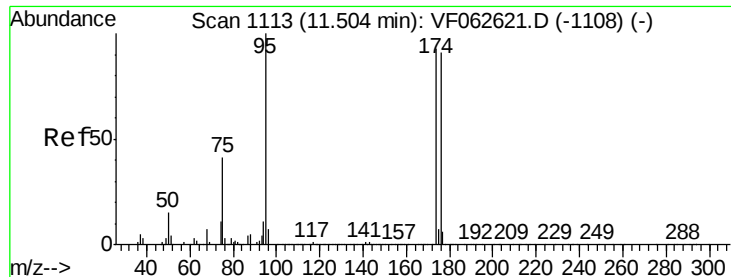
Tgt Ion: 43 Resp: 1384

Ion Ratio Lower Upper

43 100

58 54.1 28.1 84.4

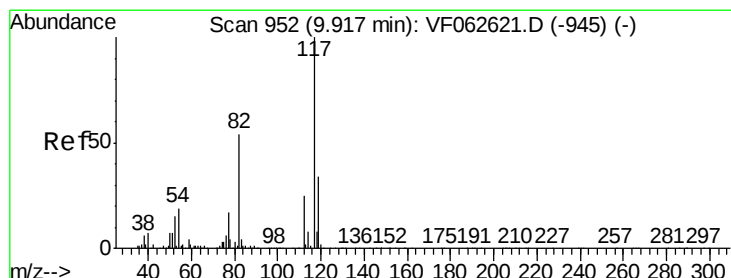
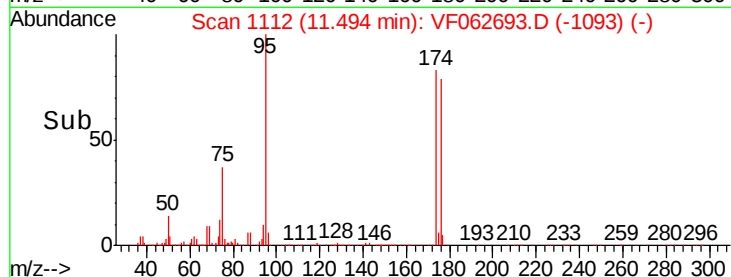
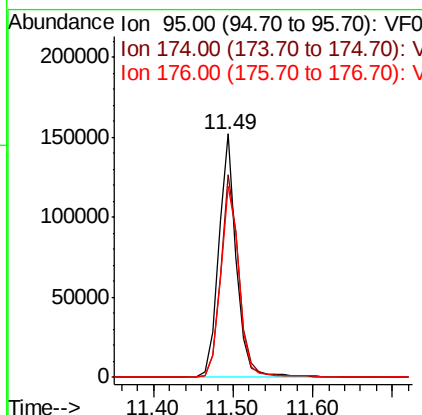
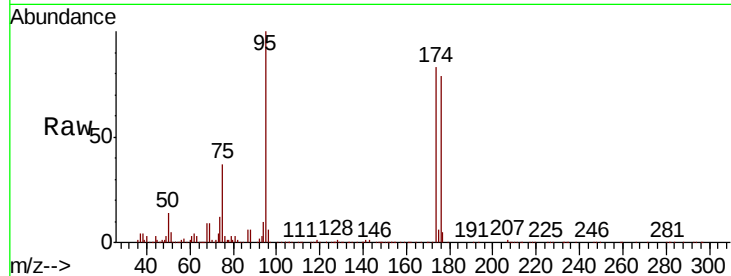




#62
4-Bromofluorobenzene
Concen: 28.686 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062693.D
Acq: 21 May 2019 19:59

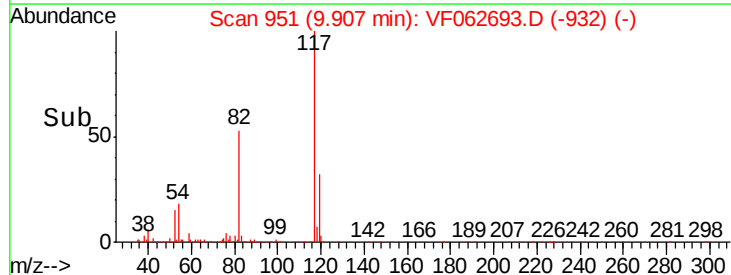
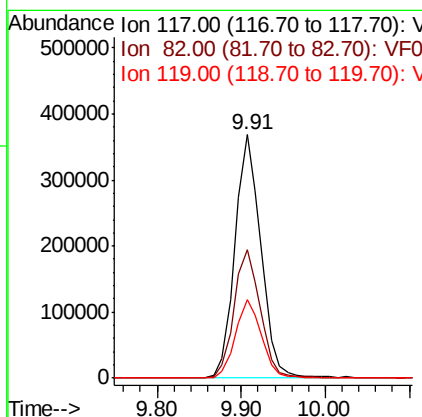
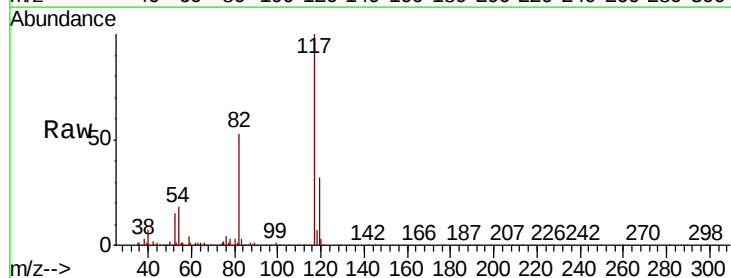
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-11-052019RE

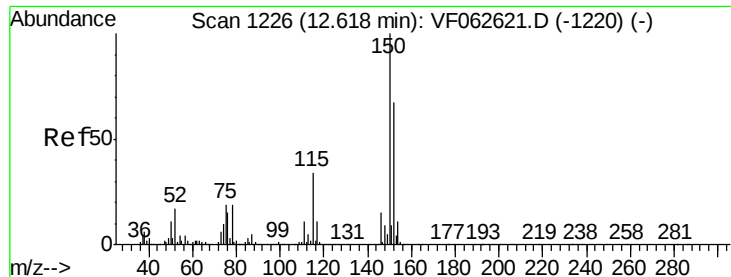
Tot Ion: 95 Resp: 235584
Ion Ratio Lower Upper
95 100
174 83.0 0.0 185.6
176 78.6 0.0 182.4



#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



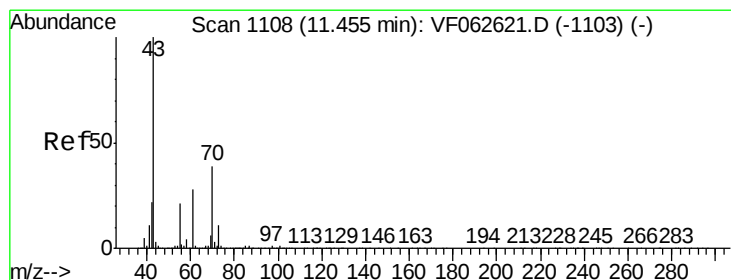
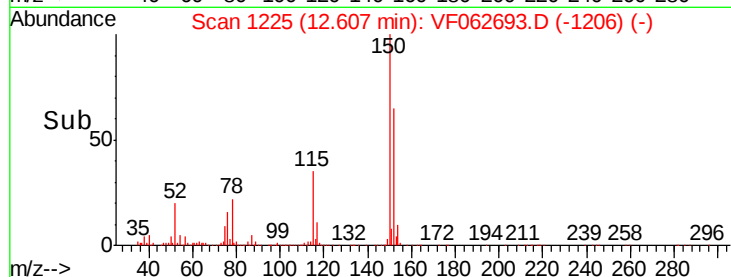
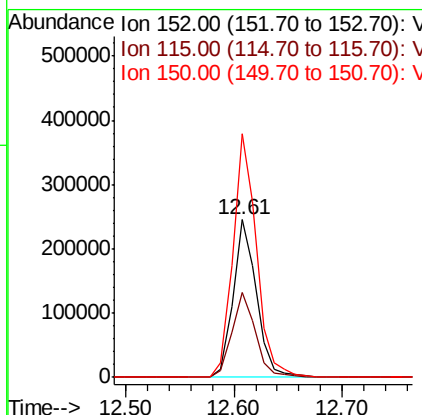
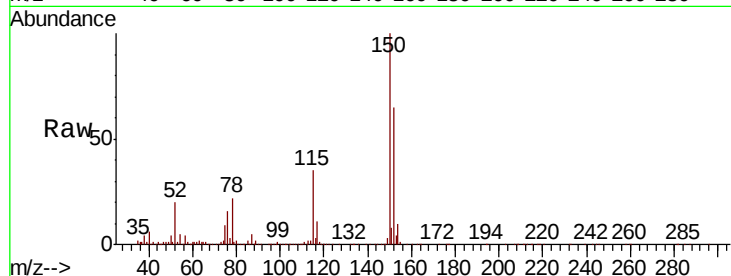


#72

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
ClientSampleId :
SUP-2A-G-11-052019RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.7	25.2	75.6
150	154.3	0.0	306.2



#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	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#

