

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062734.D
 Acq On : 23 May 2019 18:38
 Operator : FY/SY
 Sample : K3019-07
 Misc : 4.12g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1465

Quant Time: May 24 02:16:26 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	5.07	168	713547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1235678	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	943489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	399469	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	219358	43.50	ug/l	0.00
Spiked Amount			Recovery	=	87.00%	
35) Dibromofluoromethane	4.32	113	407952	43.14	ug/l	0.00
Spiked Amount			Recovery	=	86.28%	
50) Toluene-d8	7.72	98	972567	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	
62) 4-Bromofluorobenzene	11.50	95	352900	41.22	ug/l	0.00
Spiked Amount			Recovery	=	82.44%	

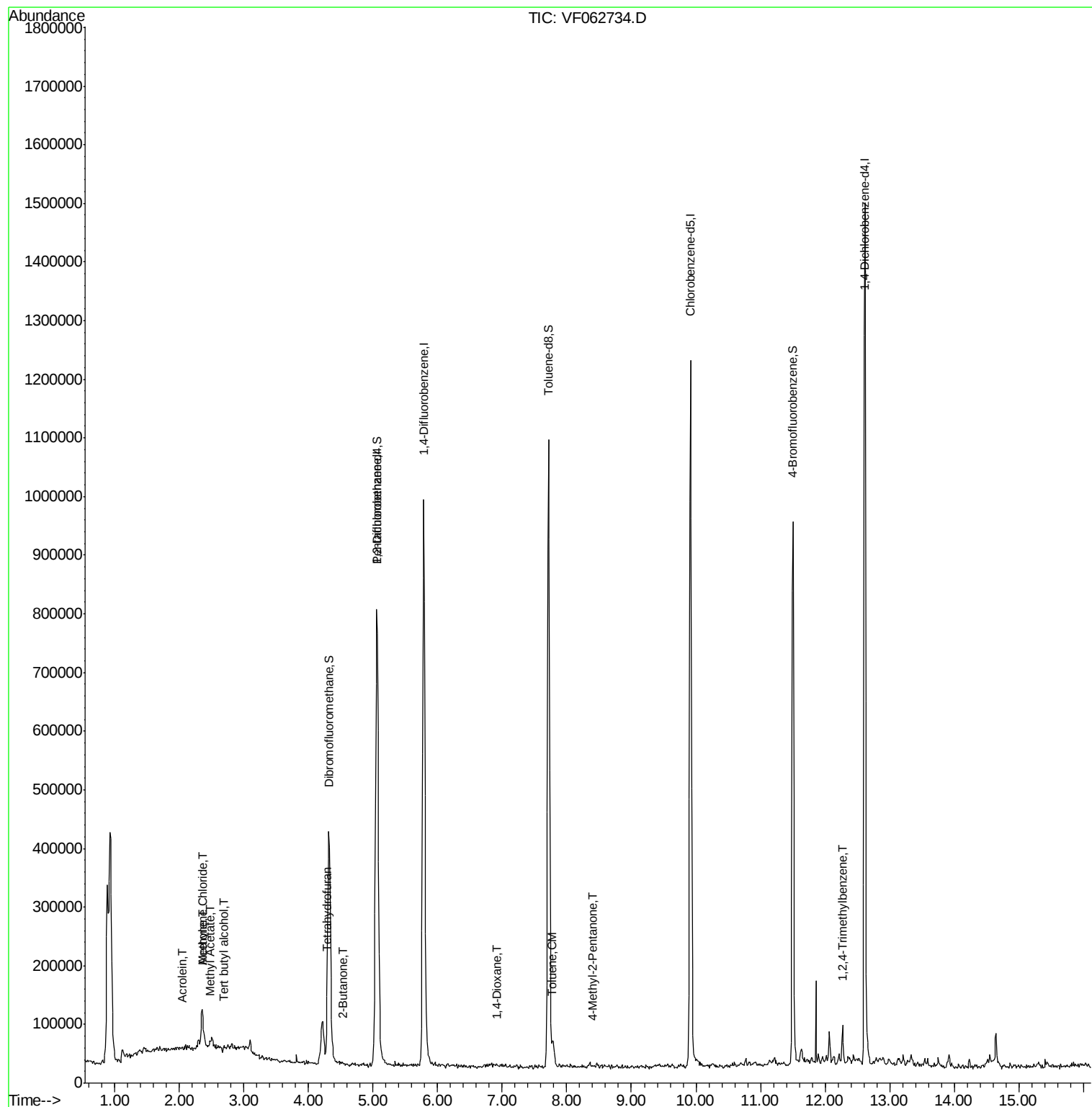
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	1609	4.833	ug/l #	1
13) Acrolein	2.06	56	1200	3.453	ug/l	86
16) Acetone	2.36	43	103540	79.151	ug/l	92
18) Methyl Acetate	2.46	43	21154	10.291	ug/l #	76
20) Methylene Chloride	2.37	84	9321	1.422	ug/l #	69
25) 2-Butanone	4.54	43	3020	1.081	ug/l #	84
29) Tetrahydrofuran	4.28	42	1212	1.072	ug/l #	30
49) 1,4-Dioxane	6.90	88	688	15.344	ug/l #	62
51) 4-Methyl-2-Pentanone	8.41	43	5397	1.179	ug/l #	73
52) Toluene	7.79	92	19960	1.103	ug/l	84
59) 2-Hexanone	9.63	43	3540	Below Cal		88
74) N-amyl acetate	11.44	43	2828	Below Cal	#	47
84) 1,2,4-Trimethylbenzene	12.27	105	24835	1.118	ug/l	91

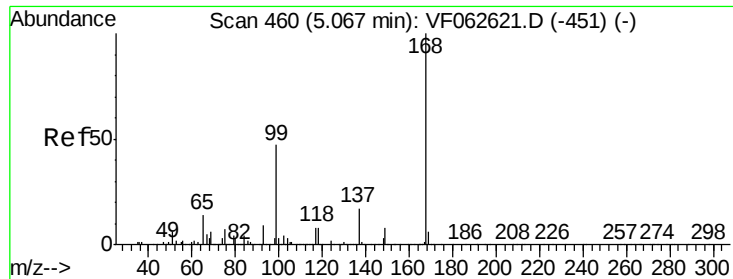
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
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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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

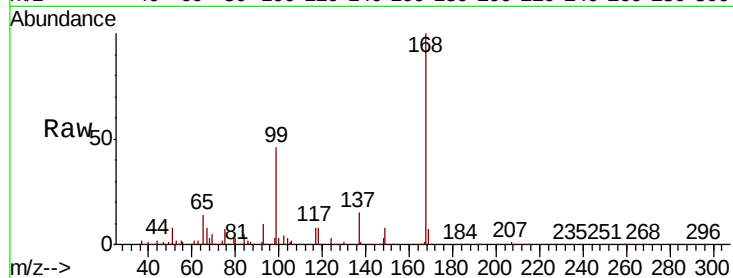
RT-1465

Tot Ion:168 Resp: 713547

Ion Ratio Lower Upper

168 100

99 45.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

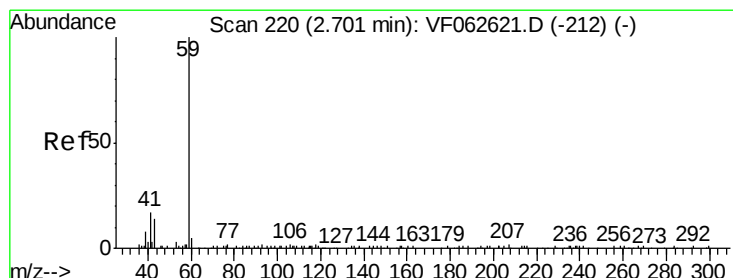
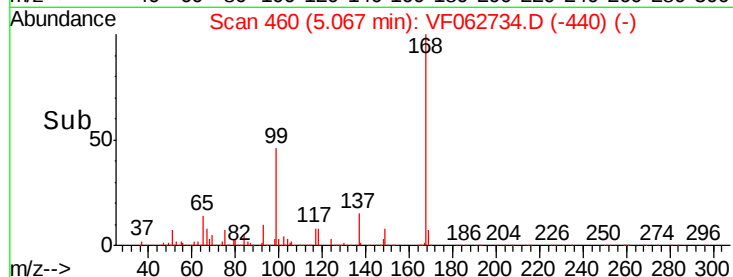
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.833 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.01 min

Lab File: VF062734.D

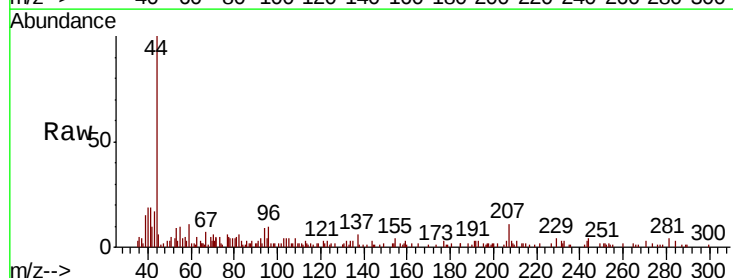
Acq: 23 May 2019 18:38

Tgt Ion: 59 Resp: 1609

Ion Ratio Lower Upper

59 100

57 50.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

1200

1000

800

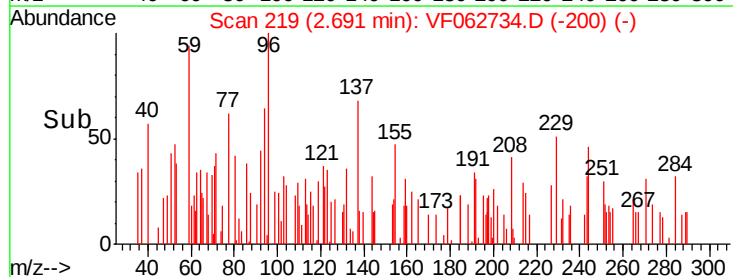
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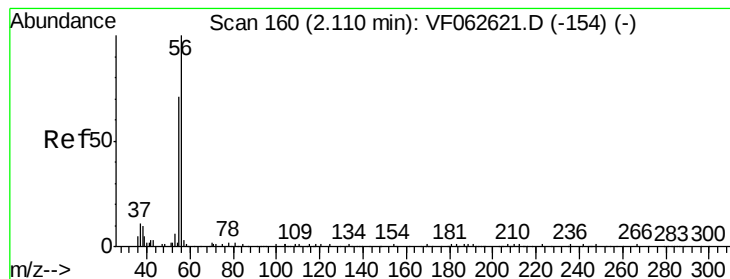
400

200

0

Time-->





#13

Acrolein

Concen: 3.453 ug/l

RT: 2.06 min Scan# 155

Delta R.T. -0.05 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

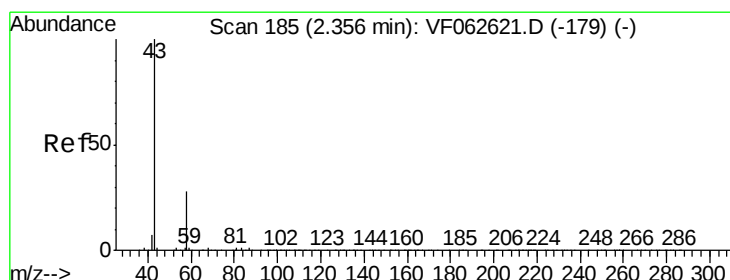
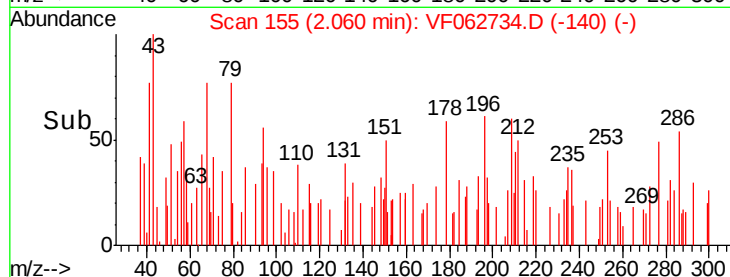
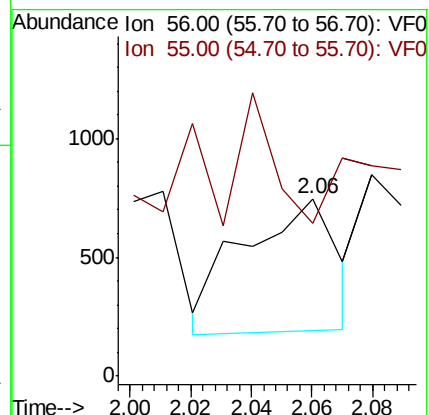
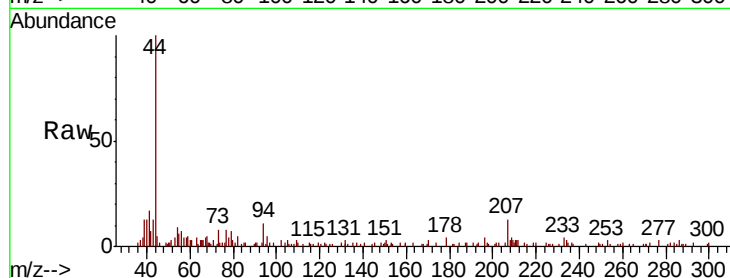
Instrument :
MSVOA_F
ClientSampleId :
RT-1465

Tot Ion: 56 Resp: 1200

Ion Ratio Lower Upper

56 100

55 86.5 59.4 89.0



#16

Acetone

Concen: 79.151 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062734.D

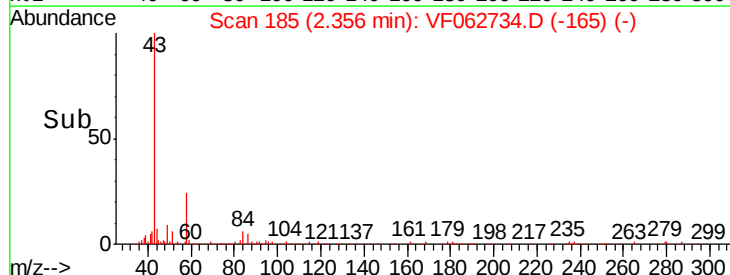
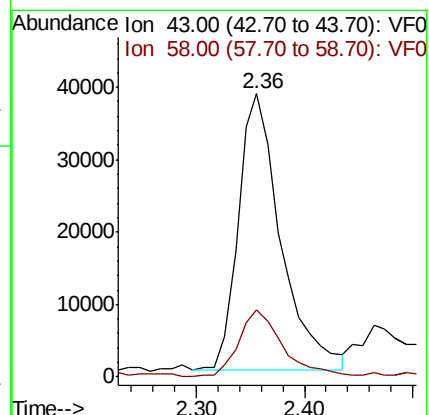
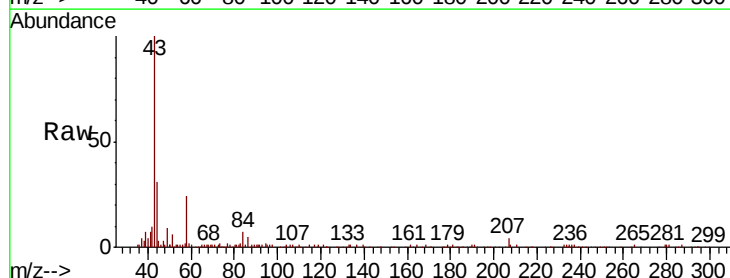
Acq: 23 May 2019 18:38

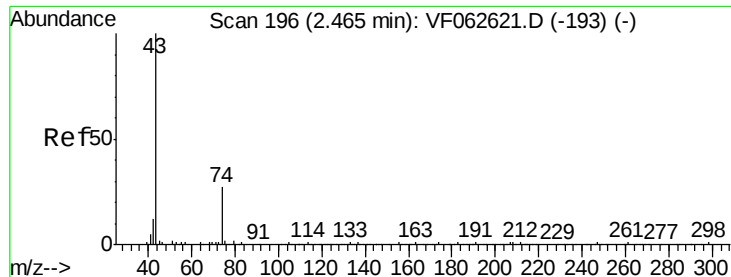
Tgt Ion: 43 Resp: 103540

Ion Ratio Lower Upper

43 100

58 23.7 22.6 33.8

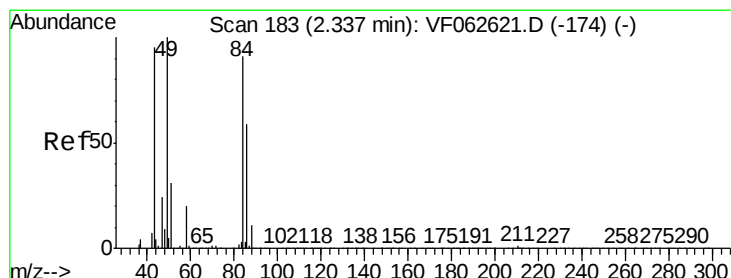
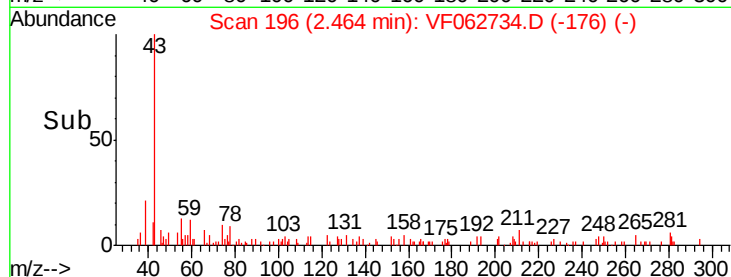
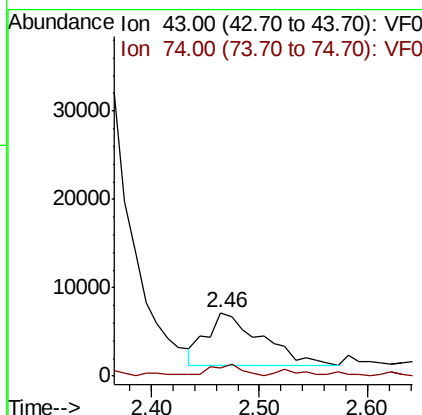
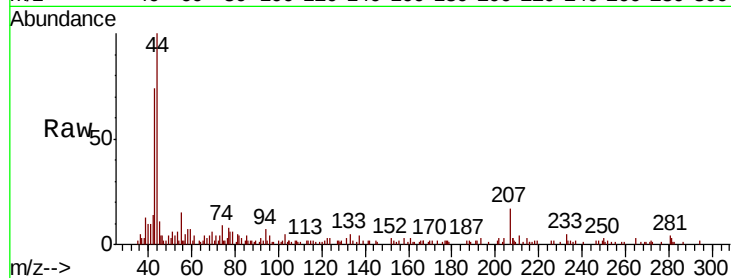




#18
Methyl Acetate
Concen: 10.291 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062734.D
Acq: 23 May 2019 18:38

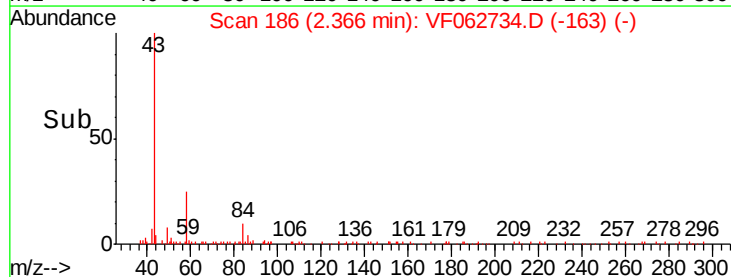
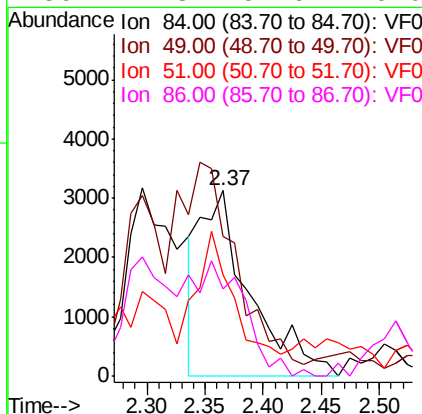
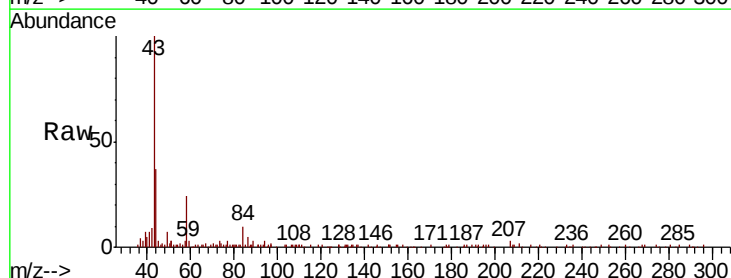
Instrument :
MSVOA_F
ClientSampleId :
RT-1465

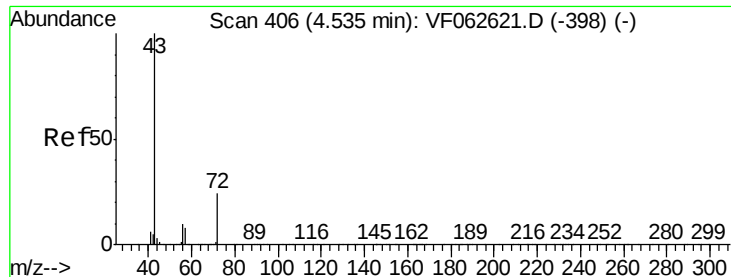
Tot Ion: 43 Resp: 21154
Ion Ratio Lower Upper
43 100
74 12.0 18.9 28.3#



#20
Methylene Chloride
Concen: 1.422 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.03 min
Lab File: VF062734.D
Acq: 23 May 2019 18:38

Tgt Ion: 84 Resp: 9321
Ion Ratio Lower Upper
84 100
49 75.1 89.8 134.8#
51 54.9 28.4 42.6#
86 47.3 52.6 79.0#





#25

2-Butanone

Concen: 1.081 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

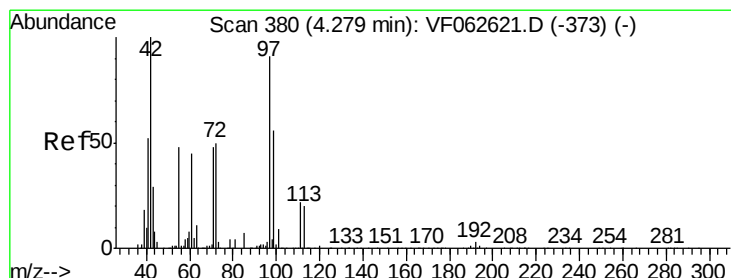
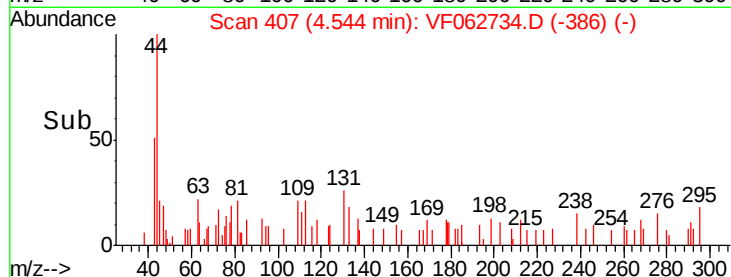
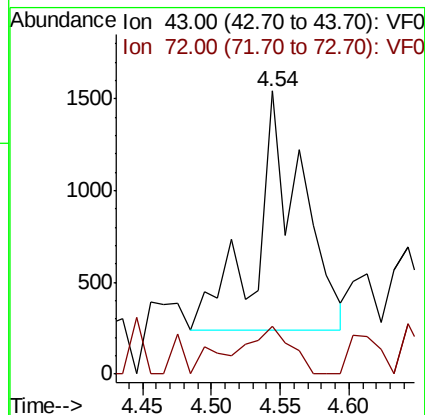
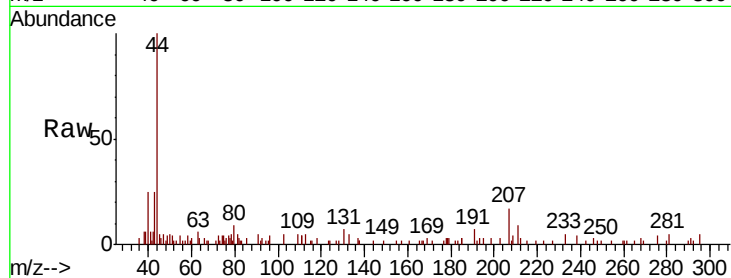
RT-1465

Tot Ion: 43 Resp: 3020

Ion Ratio Lower Upper

43 100

72 17.0 20.1 30.1#



#29

Tetrahydrofuran

Concen: 1.072 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

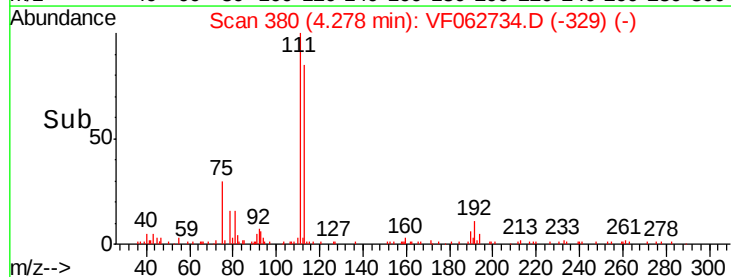
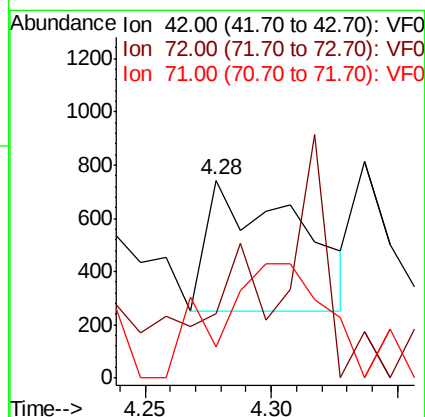
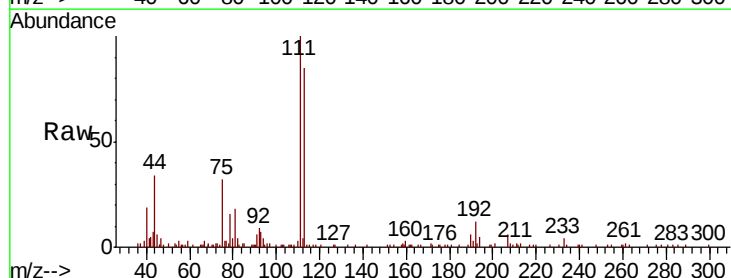
Tgt Ion: 42 Resp: 1212

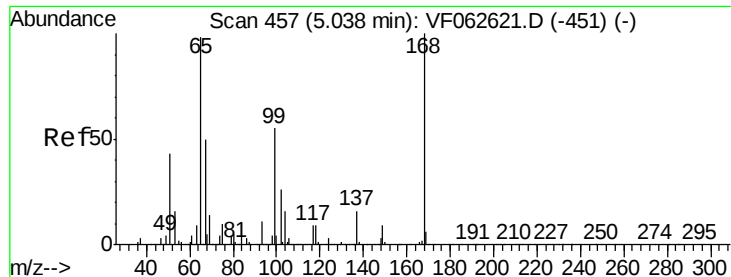
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 0.0 35.8 53.6#

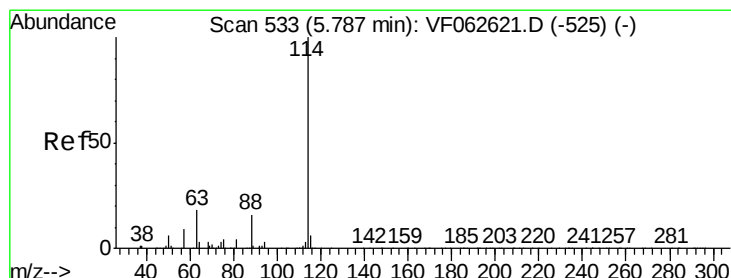
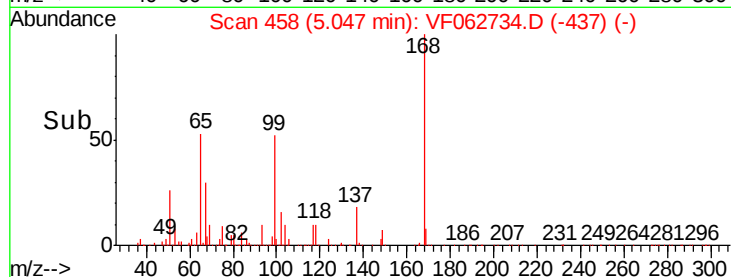
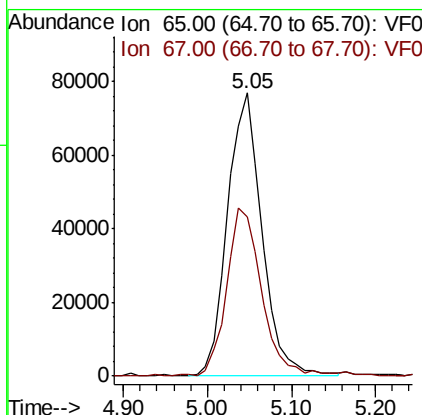
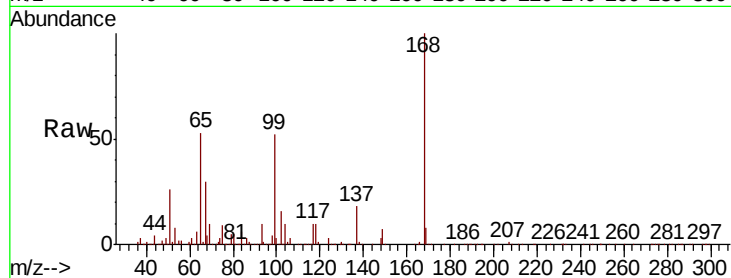




#33
 1,2-Dichloroethane-d4
 Concen: 43.504 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062734.D
 Acq: 23 May 2019 18:38

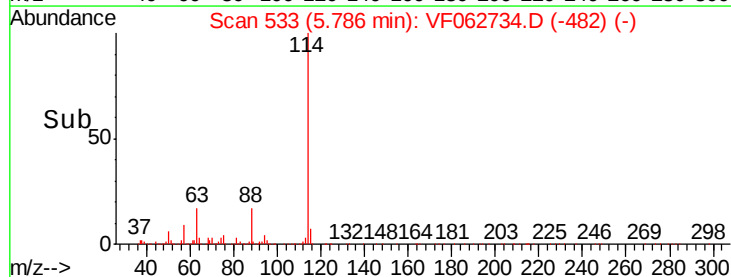
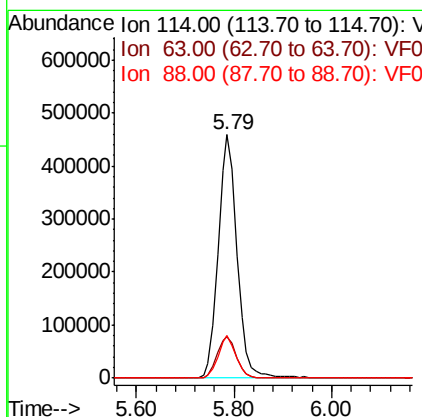
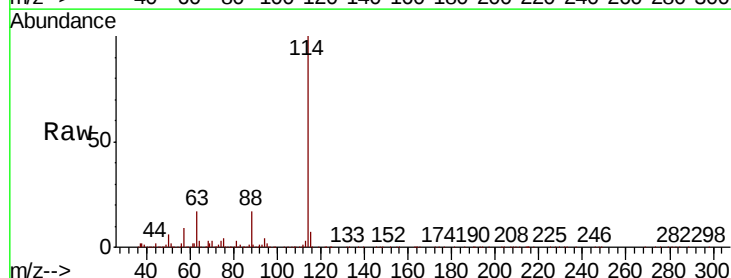
Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1465

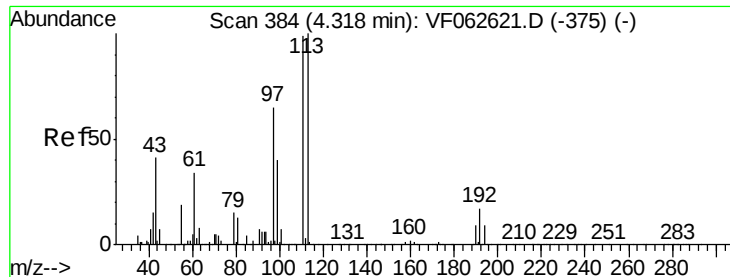
Tot Ion: 65 Resp: 219358
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062734.D
 Acq: 23 May 2019 18:38

Tgt Ion: 114 Resp: 1235678
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.4
 88 17.4 0.0 32.4

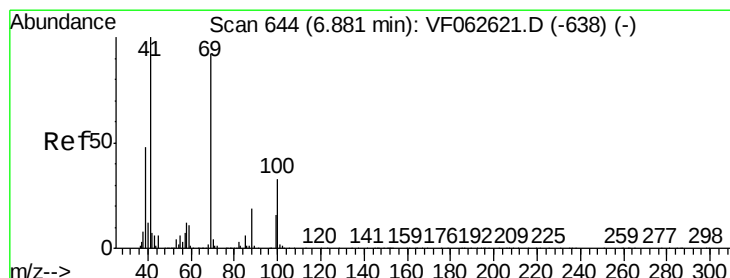
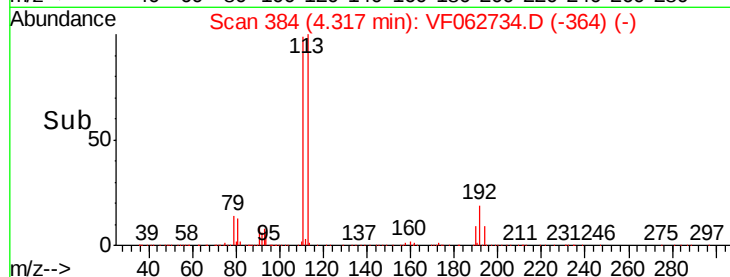
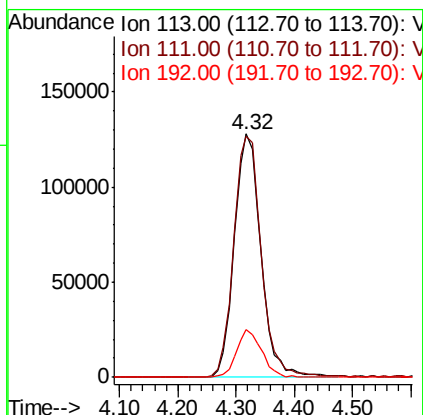
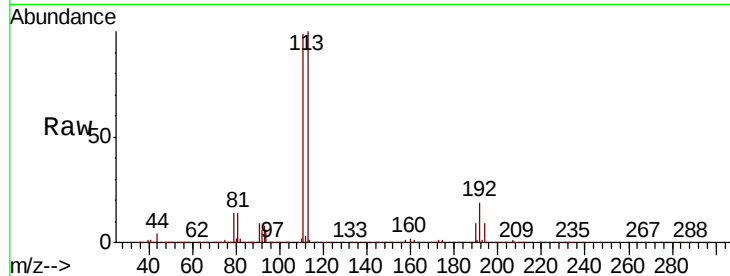




#35
 Dibromofluoromethane
 Concen: 43.145 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062734.D
 Acq: 23 May 2019 18:38

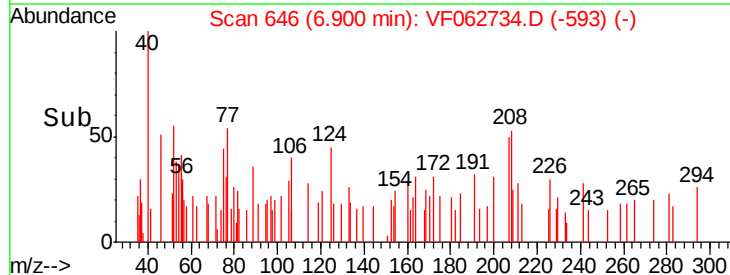
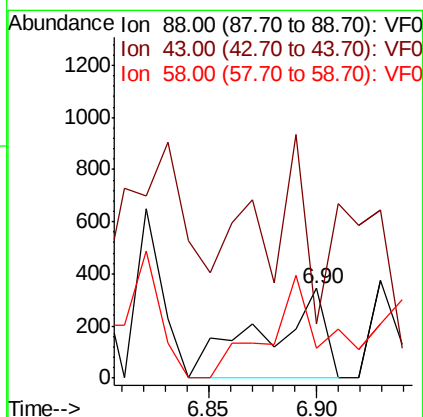
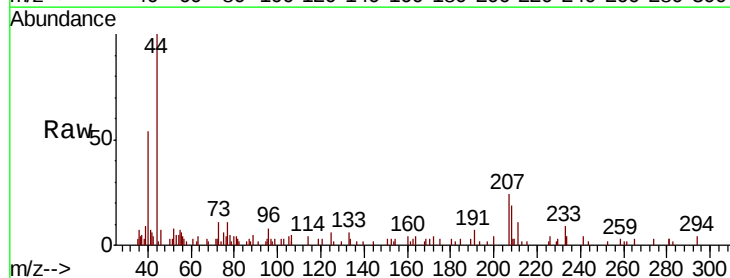
Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1465

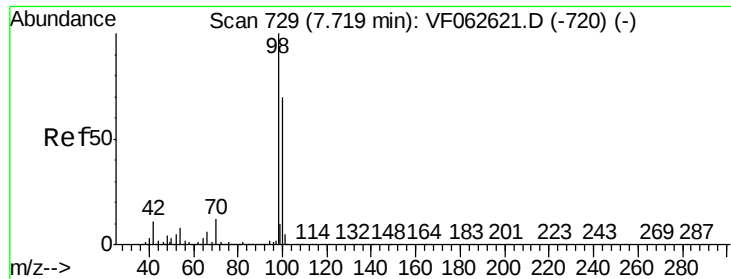
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	79.4	119.2
192	19.7	13.4	20.2



#49
 1,4-Dioxane
 Concen: 15.344 ug/l
 RT: 6.90 min Scan# 646
 Delta R.T. 0.02 min
 Lab File: VF062734.D
 Acq: 23 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
88	100		
43	60.0	30.0	45.0#
58	33.9	51.1	76.7#

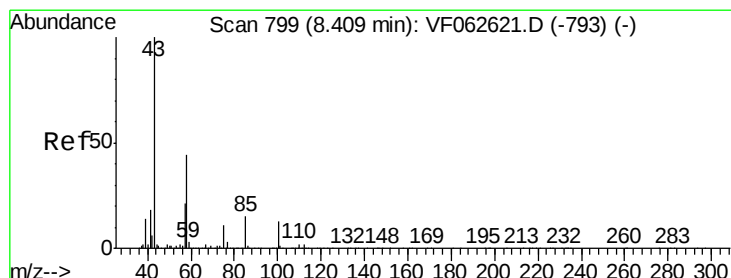
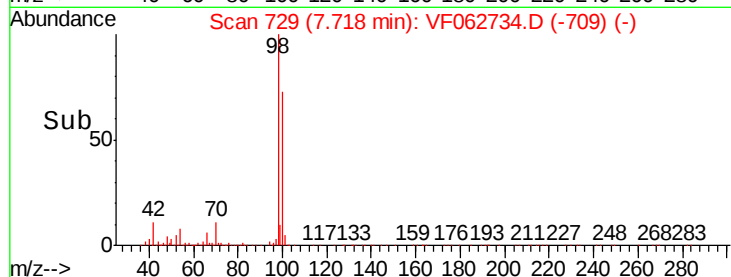
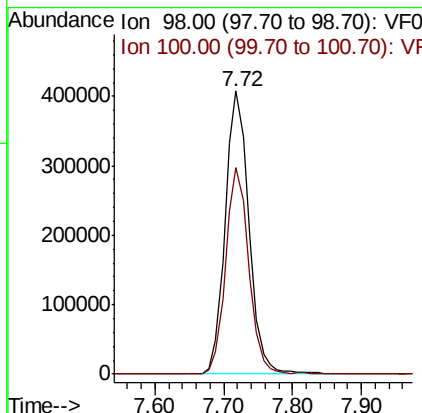
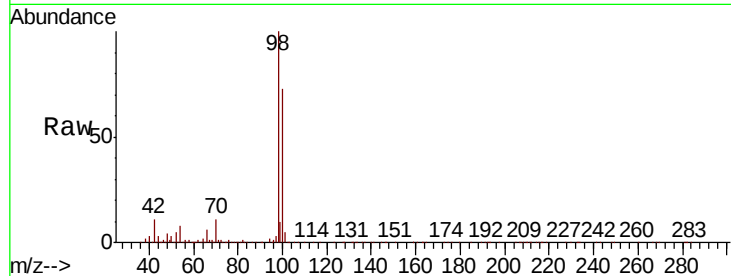




#50
Toluene-d8
Concen: 43.080 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062734.D
Acq: 23 May 2019 18:38

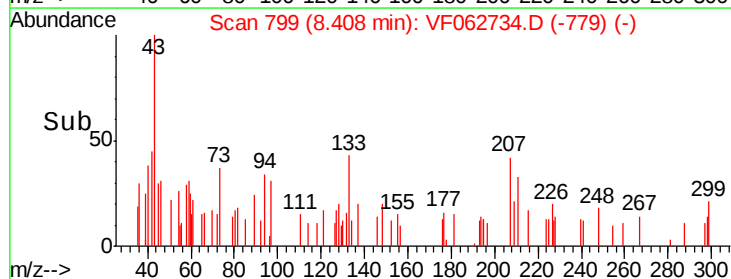
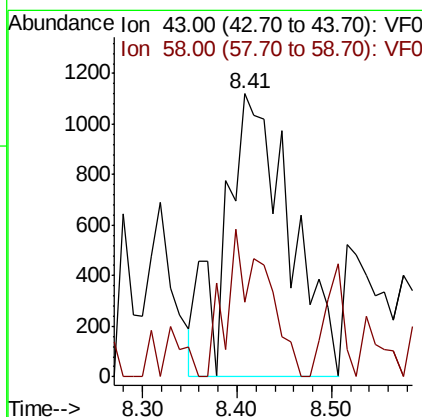
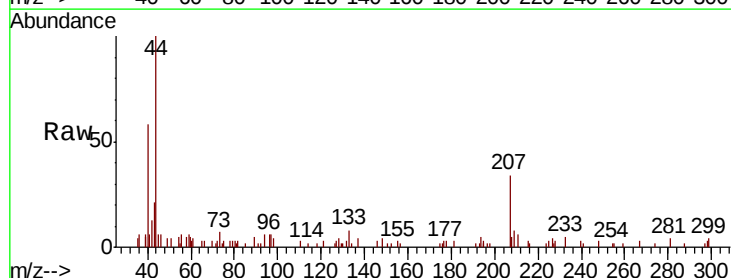
Instrument :
MSVOA_F
ClientSampleId :
RT-1465

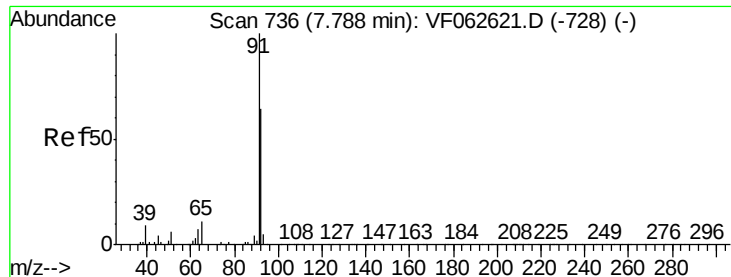
Tot Ion: 98 Resp: 972567
Ion Ratio Lower Upper
98 100
100 72.8 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 1.179 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.00 min
Lab File: VF062734.D
Acq: 23 May 2019 18:38

Tgt Ion: 43 Resp: 5397
Ion Ratio Lower Upper
43 100
58 26.2 34.9 52.3#





#52

Toluene

Concen: 1.103 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

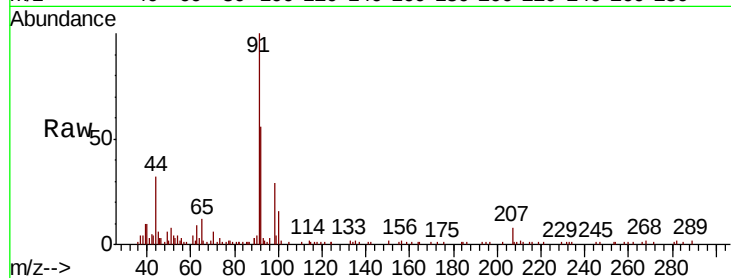
RT-1465

Tot Ion: 92 Resp: 19960

Ion Ratio Lower Upper

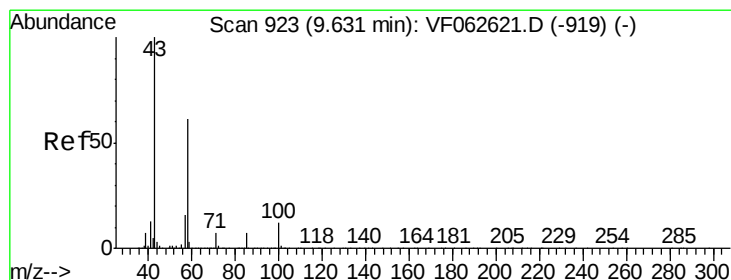
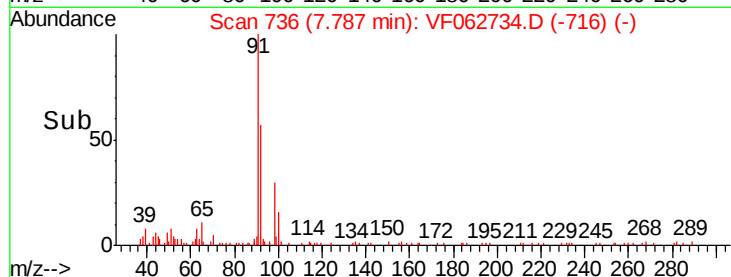
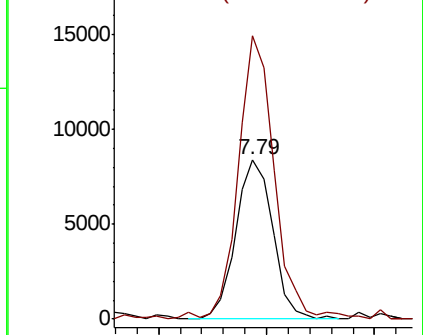
92 100

91 177.6 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF062734.D

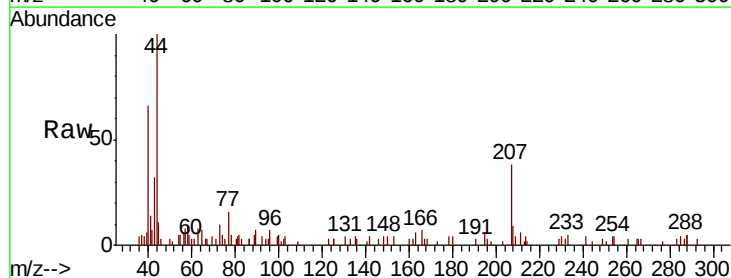
Acq: 23 May 2019 18:38

Tgt Ion: 43 Resp: 3540

Ion Ratio Lower Upper

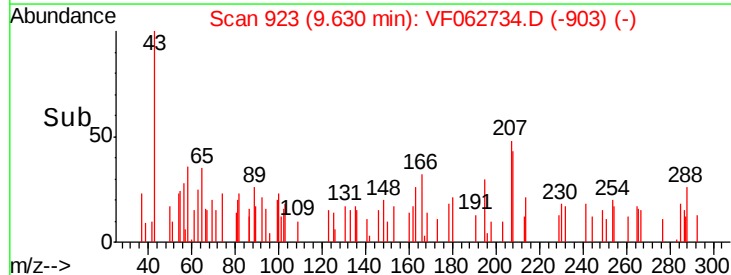
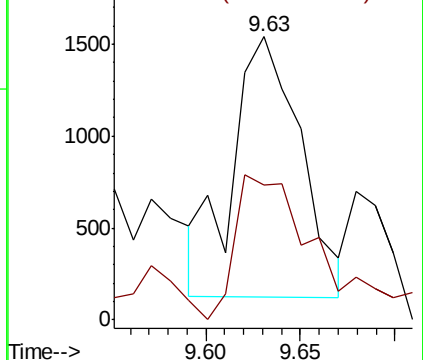
43 100

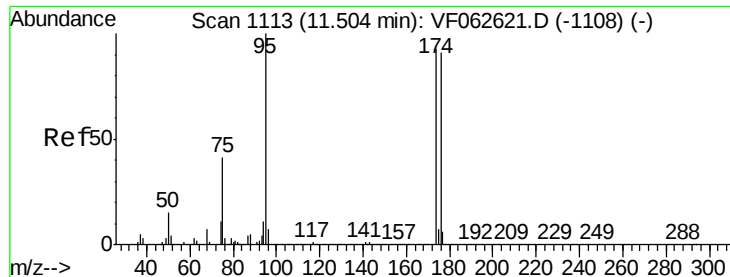
58 47.7 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 41.215 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

Instrument :

MSVOA_F

ClientSampled :

RT-1465

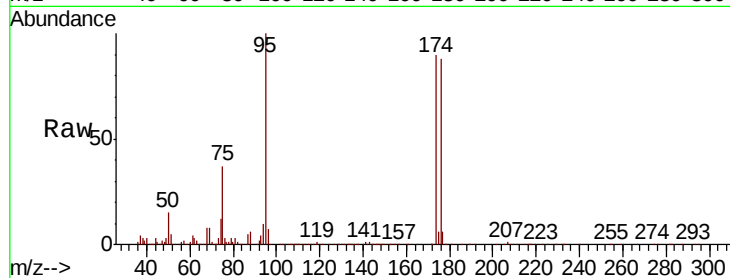
Tot Ion: 95 Resp: 352900

Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.6

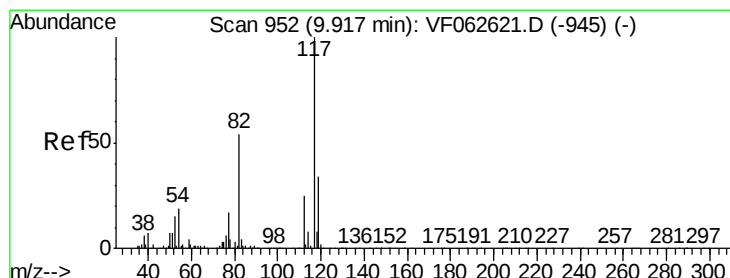
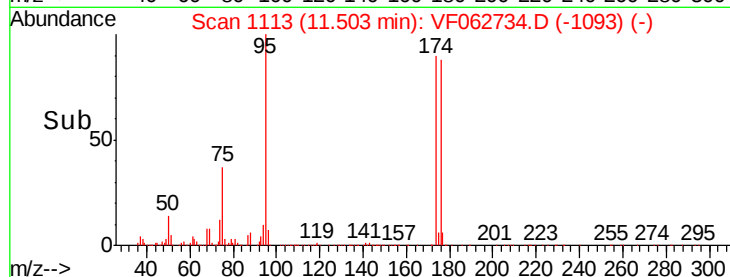
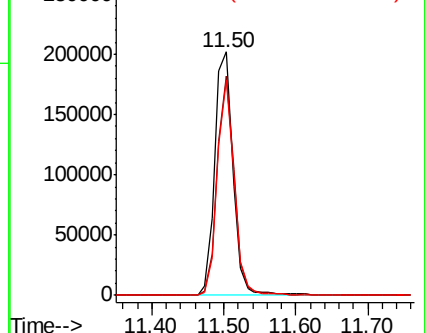
176 88.5 0.0 182.4



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: 9.92 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

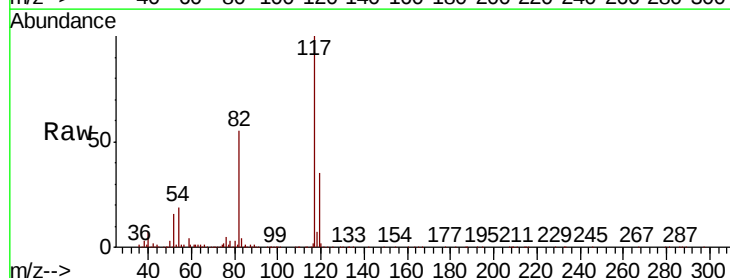
Tgt Ion: 117 Resp: 943489

Ion Ratio Lower Upper

117 100

82 54.8 43.3 64.9

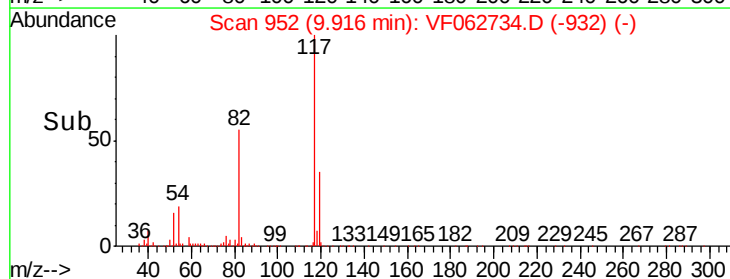
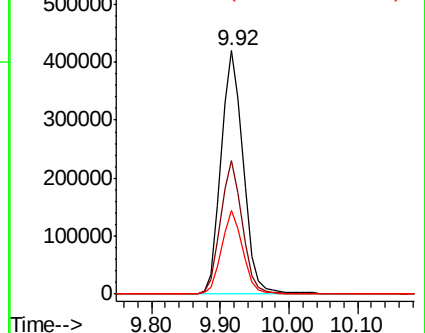
119 34.5 27.4 41.0

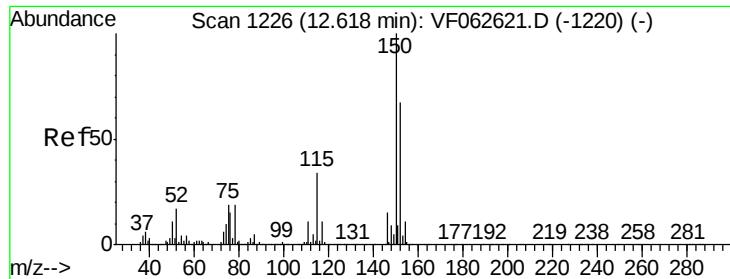


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



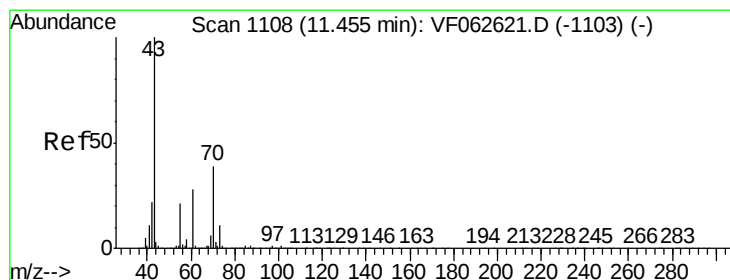
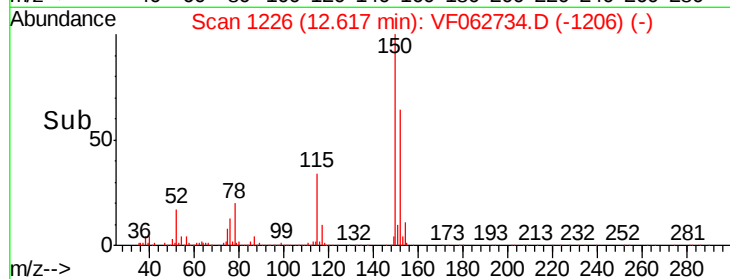
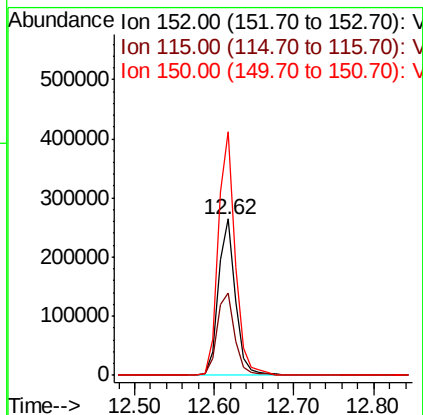
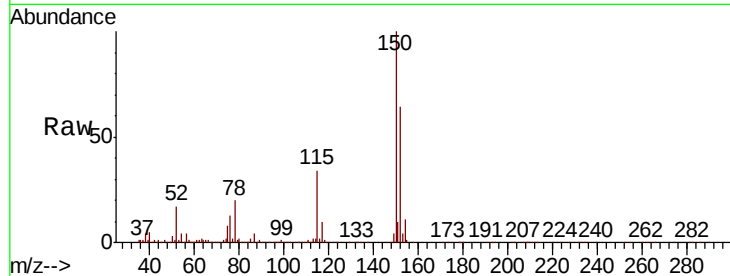


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062734.D
Acq: 23 May 2019 18:38

Instrument :
MSVOA_F
ClientSampled :
RT-1465

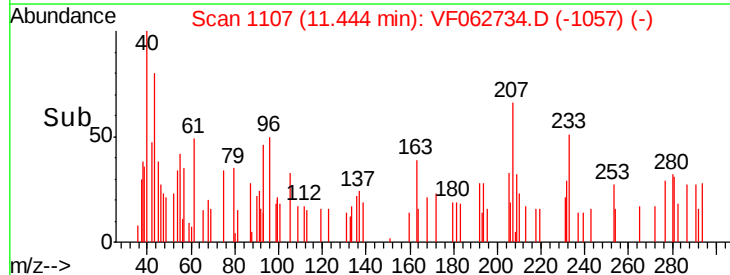
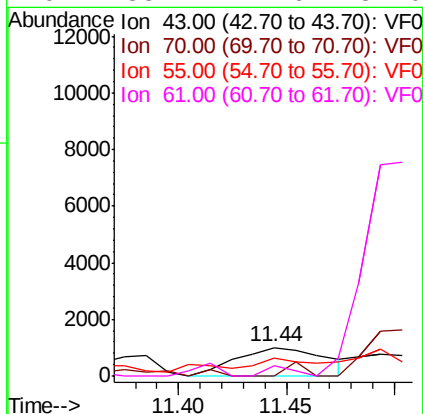
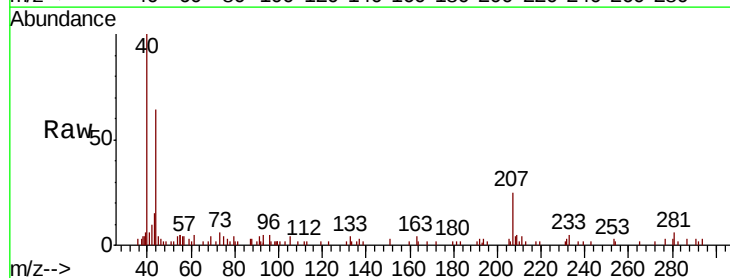
Tot Ion	Ratio	Lower	Upper
152	100		
115	52.5	25.2	75.6
150	155.7	0.0	306.2

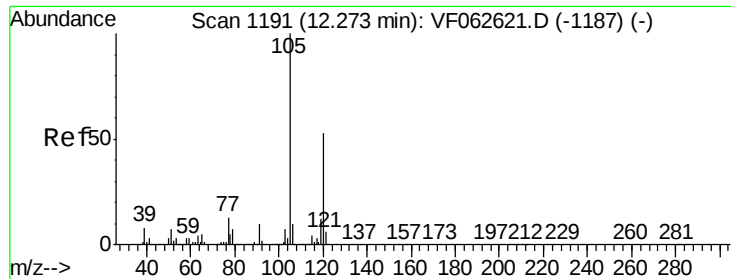


#74

N-amil acetate
Concen: Below Cal
RT: 11.44 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF062734.D
Acq: 23 May 2019 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	62.6	17.0	25.4#
61	35.4	22.6	34.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.118 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062734.D

Acq: 23 May 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

RT-1465

Tot Ion:105 Resp: 24835

Ion Ratio Lower Upper

105 100

120 47.0 26.7 80.1

