

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062672.D
 Acq On : 20 May 2019 20:37
 Operator : FY/SY
 Sample : K2905-10RE
 Misc : 4.51g/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GIS-2-4-FTRE

Quant Time: May 21 02:02:57 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	5.08	168	638078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1076006	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	724414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	345363	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	148947	33.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.06%	
35) Dibromofluoromethane	4.33	113	284180	34.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.02%	
50) Toluene-d8	7.73	98	601070	30.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.16%	
62) 4-Bromofluorobenzene	11.50	95	216976	29.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.20%	

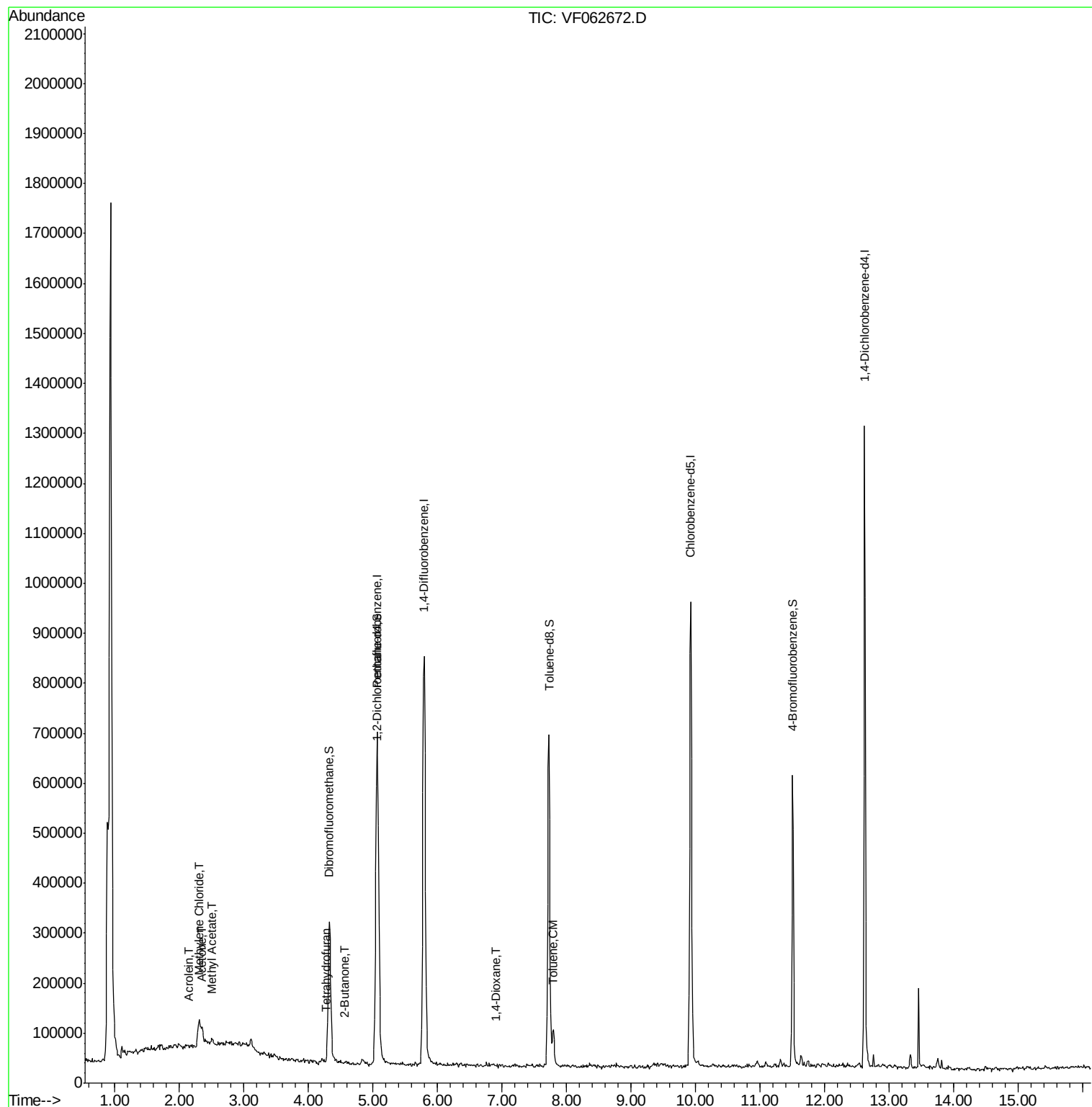
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.14	56	2948	9.487	ug/l #	66
16) Acetone	2.36	43	34412	29.418	ug/l	98
18) Methyl Acetate	2.51	43	8401	4.570	ug/l #	67
20) Methylene Chloride	2.30	84	47424	8.088	ug/l #	88
25) 2-Butanone	4.55	43	10809	4.325	ug/l #	71
29) Tetrahydrofuran	4.27	42	1386	1.370	ug/l #	53
49) 1,4-Dioxane	6.91	88	240	6.147	ug/l #	1
52) Toluene	7.80	92	39513	2.508	ug/l	100
59) 2-Hexanone	9.66	43	3632	Below Cal		92
74) N-amyl acetate	11.45	43	865	Below Cal	#	96

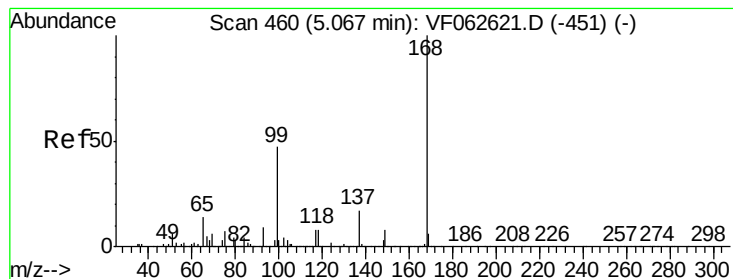
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062672.D

Acq: 20 May 2019 20:37

Instrument :

MSVOA_F

ClientSampleId :

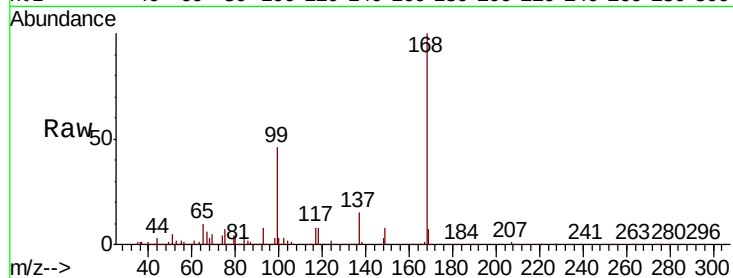
GIS-2-4-FTRE

Tot Ion:168 Resp: 638078

Ion Ratio Lower Upper

168 100

99 45.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

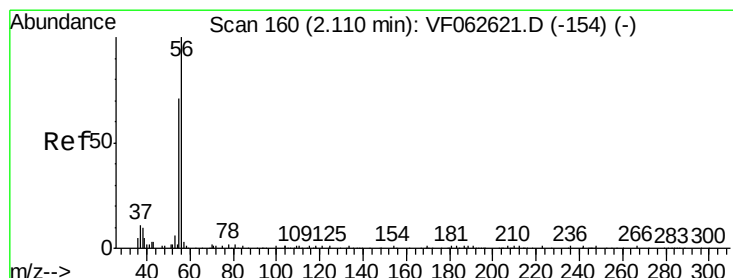
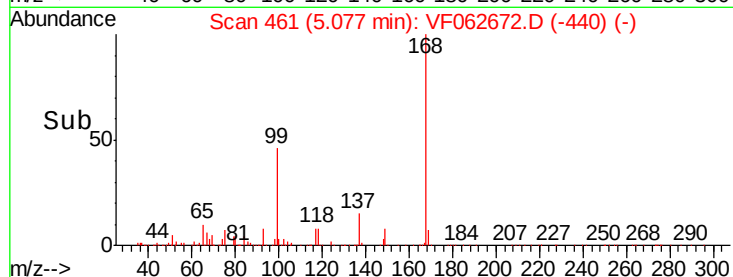
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 9.487 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.03 min

Lab File: VF062672.D

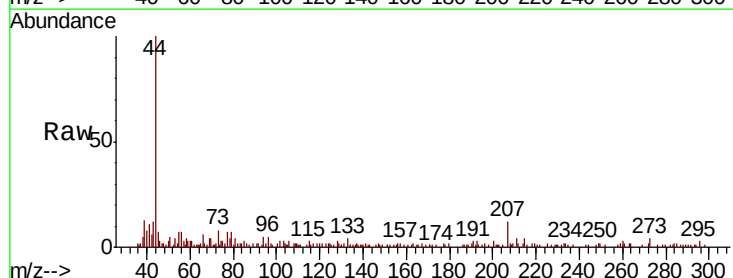
Acq: 20 May 2019 20:37

Tgt Ion: 56 Resp: 2948

Ion Ratio Lower Upper

56 100

55 103.4 59.4 89.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2000

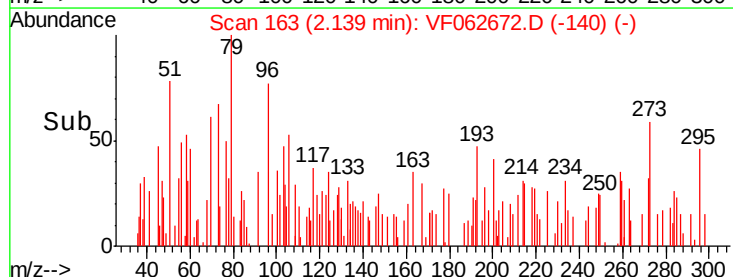
1500

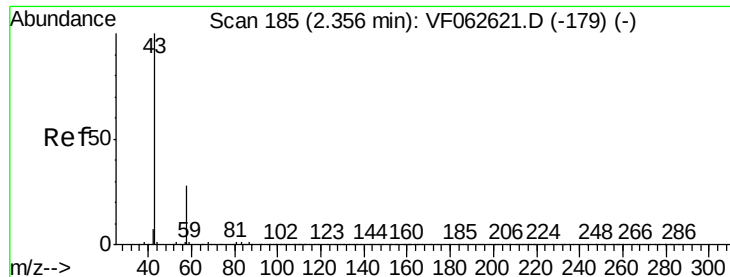
1000

500

0

Time-->





#16

Acetone

Concen: 29.418 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062672.D

Acq: 20 May 2019 20:37

Instrument :

MSVOA_F

ClientSampleId :

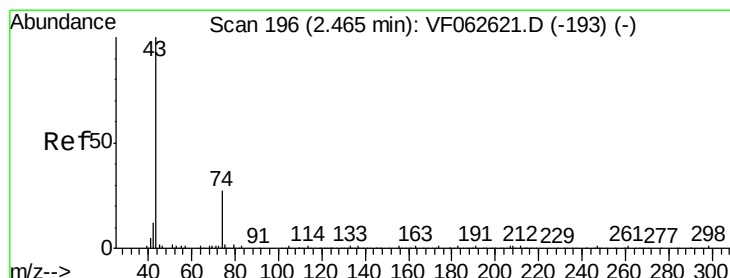
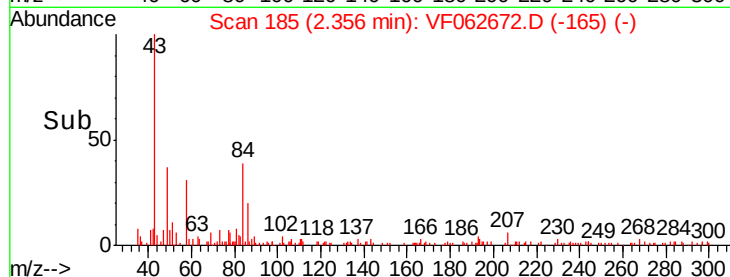
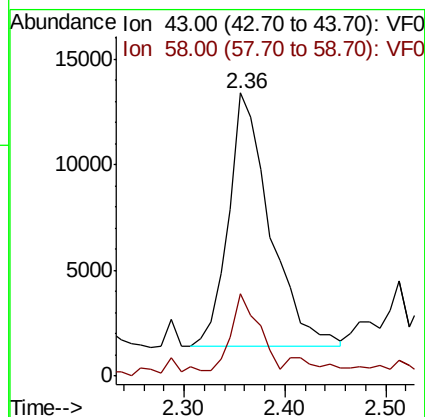
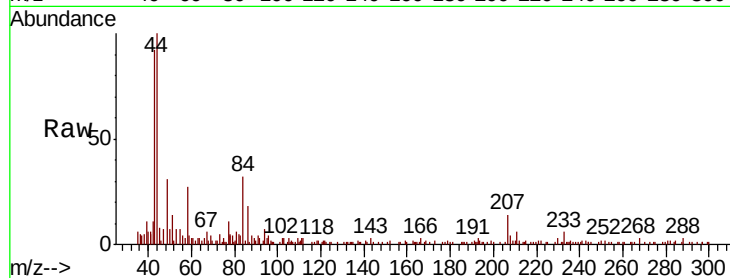
GIS-2-4-FTRE

Tot Ion: 43 Resp: 34412

Ion Ratio Lower Upper

43 100

58 29.1 22.6 33.8



#18

Methyl Acetate

Concen: 4.570 ug/l

RT: 2.51 min Scan# 201

Delta R.T. 0.05 min

Lab File: VF062672.D

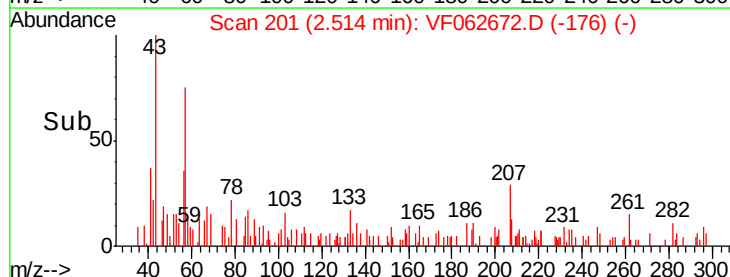
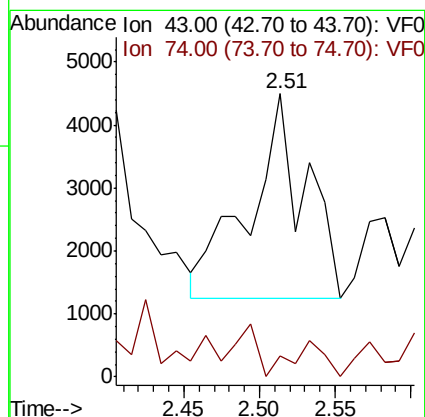
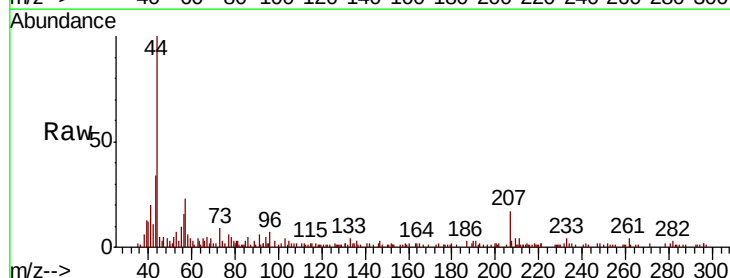
Acq: 20 May 2019 20:37

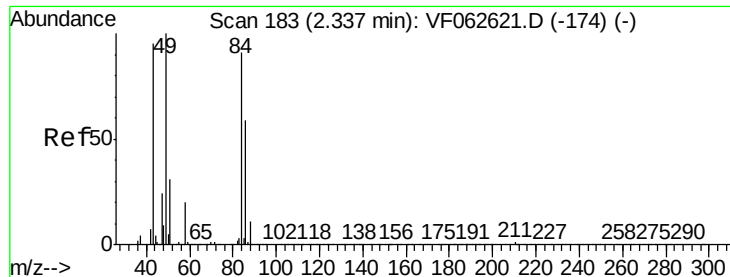
Tgt Ion: 43 Resp: 8401

Ion Ratio Lower Upper

43 100

74 7.3 18.9 28.3#

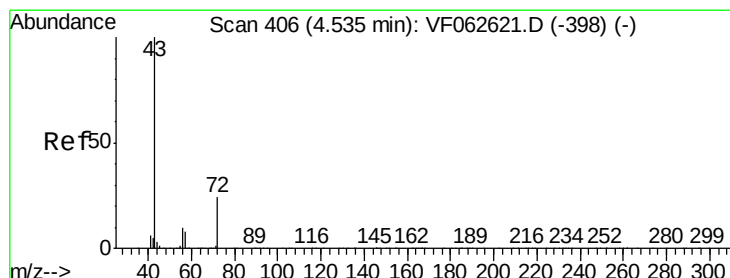
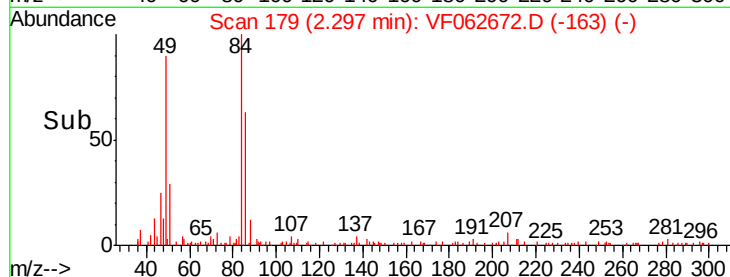
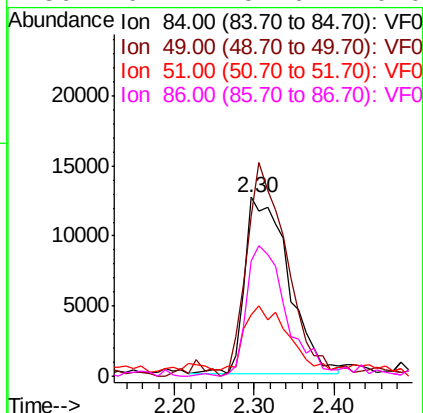
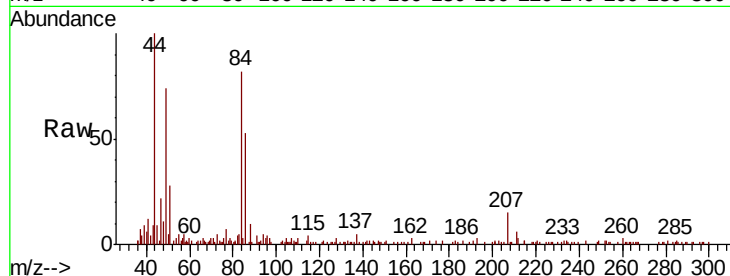




#20
Methvlene Chloride
Concen: 8.088 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

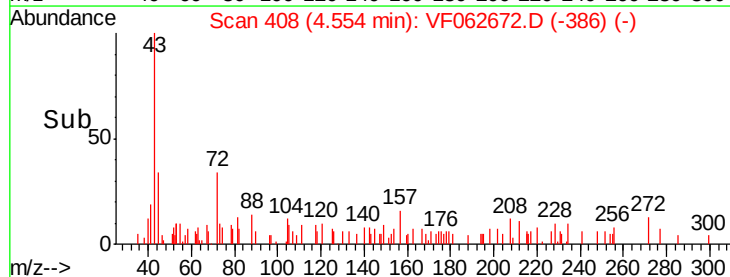
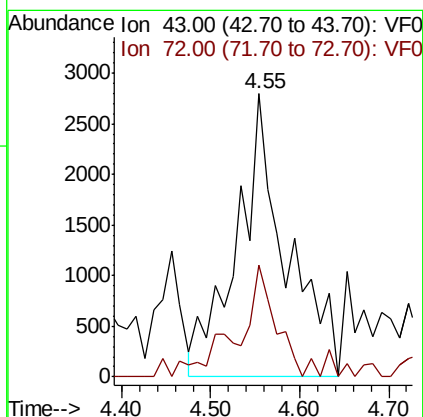
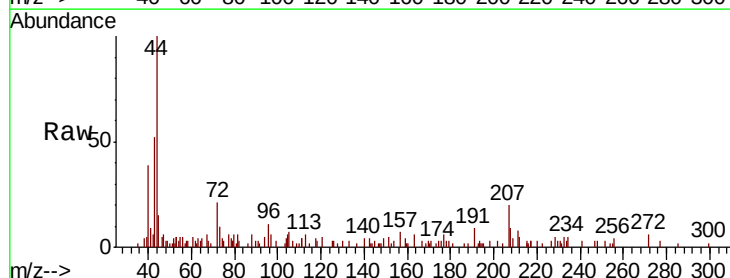
Instrument :
MSVOA_F
ClientSampleId :
GIS-2-4-FTRE

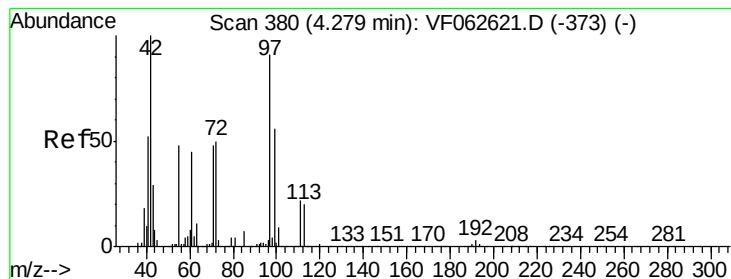
Tot Ion:	84	Resp:	47424
Ion	Ratio	Lower	Upper
84	100		
49	89.6	89.8	134.8#
51	34.5	28.4	42.6
86	64.2	52.6	79.0



#25
2-Butanone
Concen: 4.325 ug/l
RT: 4.55 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

Tgt Ion:	43	Resp:	10809
Ion	Ratio	Lower	Upper
43	100		
72	39.5	20.1	30.1#





#29

Tetrahydrofuran

Concen: 1.370 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062672.D

Acq: 20 May 2019 20:37

Instrument :

MSVOA_F

ClientSampleId :

GIS-2-4-FTRE

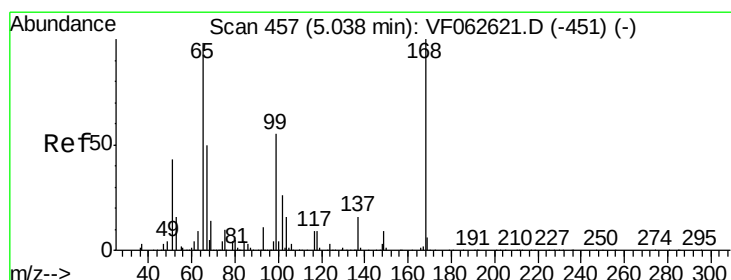
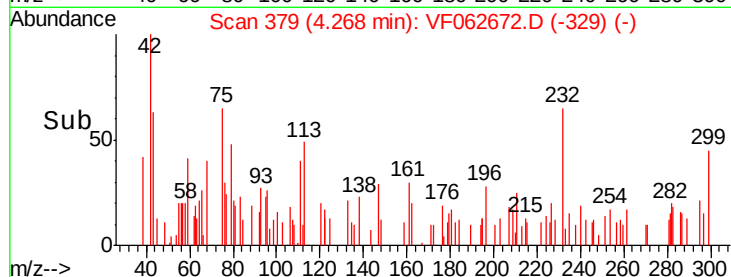
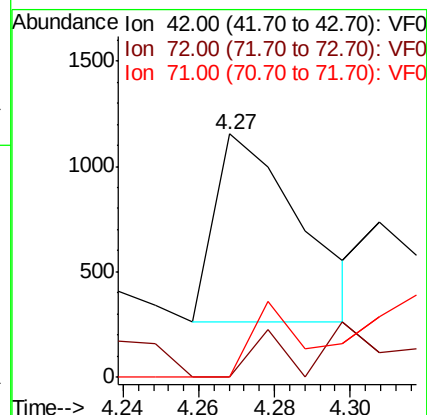
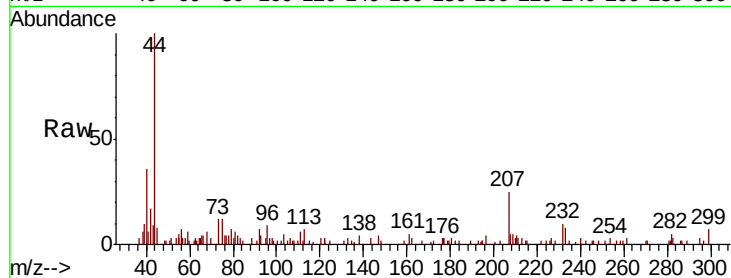
Tot Ion: 42 Resp: 1386

Ion Ratio Lower Upper

42 100

72 9.7 38.2 57.2#

71 21.0 35.8 53.6#



#33

1,2-Dichloroethane-d4

Concen: 33.033 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062672.D

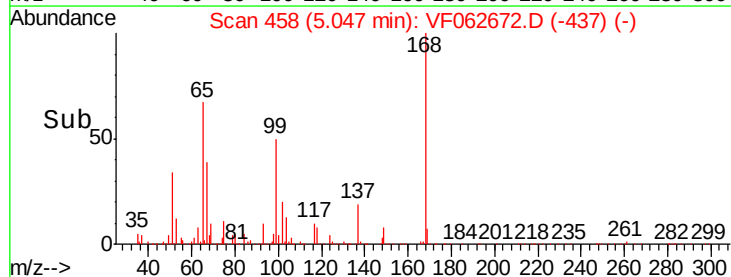
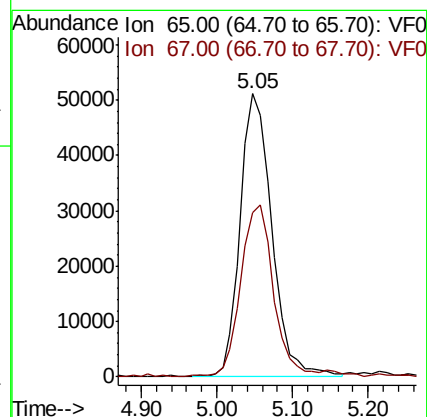
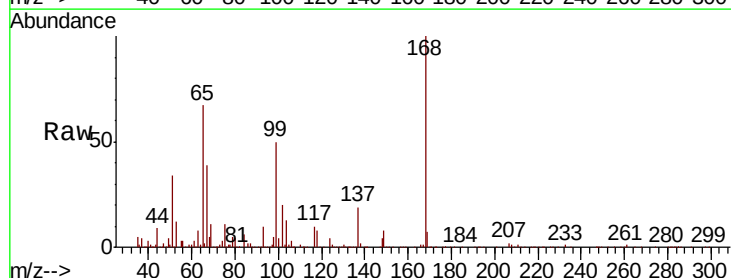
Acq: 20 May 2019 20:37

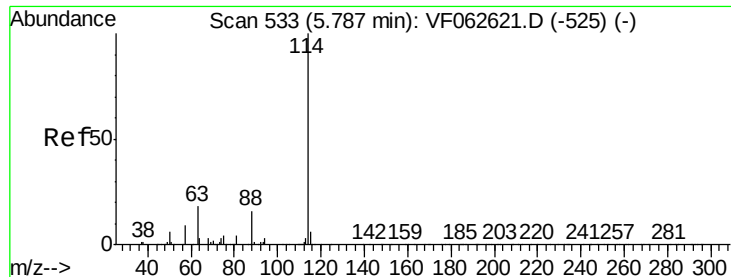
Tgt Ion: 65 Resp: 148947

Ion Ratio Lower Upper

65 100

67 58.2 0.0 117.6

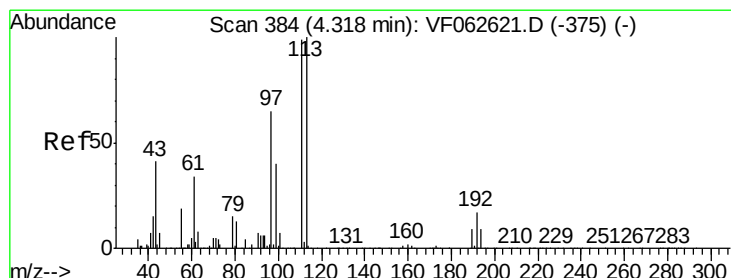
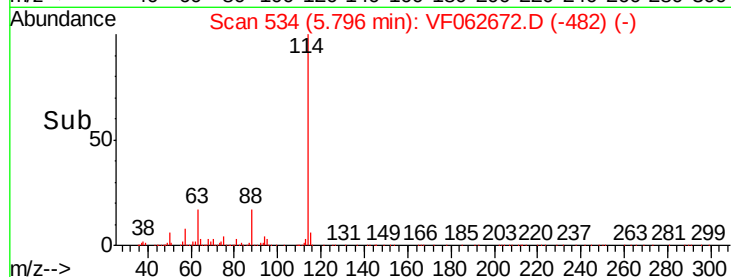
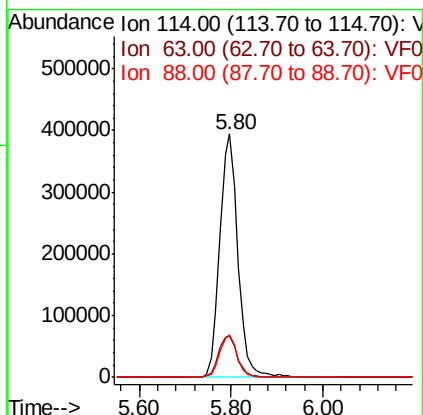
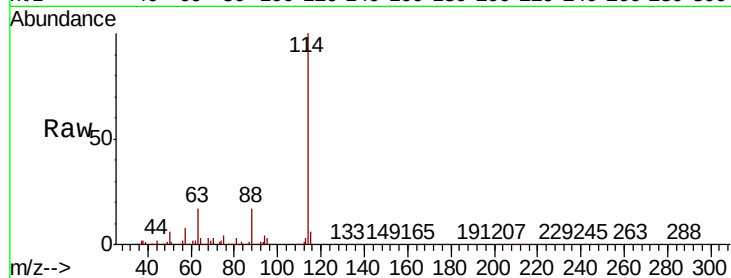




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.01 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

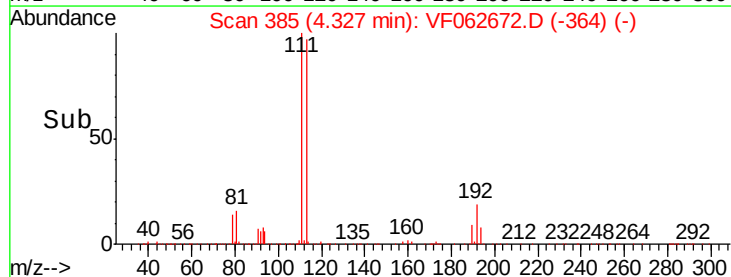
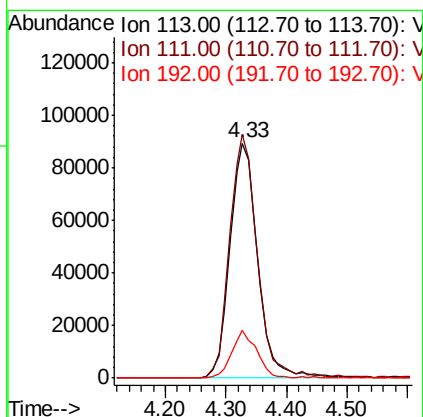
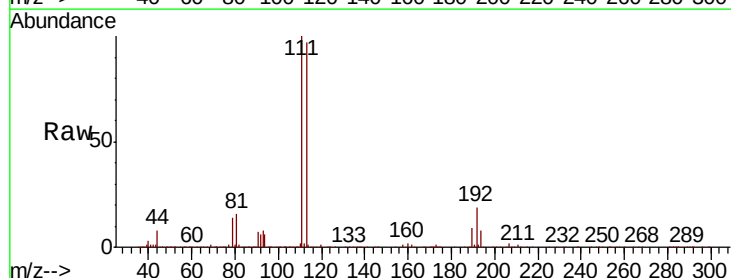
Instrument :
MSVOA_F
ClientSampleId :
GIS-2-4-FTRE

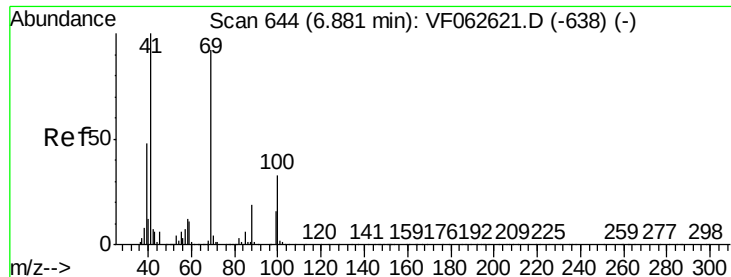
Tot Ion:114 Resp: 1076006
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.4
88 17.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 34.515 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.01 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

Tgt Ion:113 Resp: 284180
Ion Ratio Lower Upper
113 100
111 103.6 79.4 119.2
192 20.5 13.4 20.2#

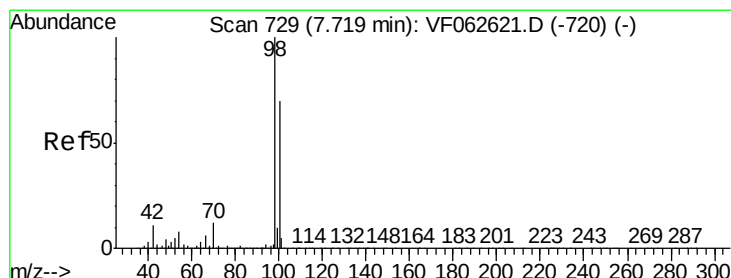
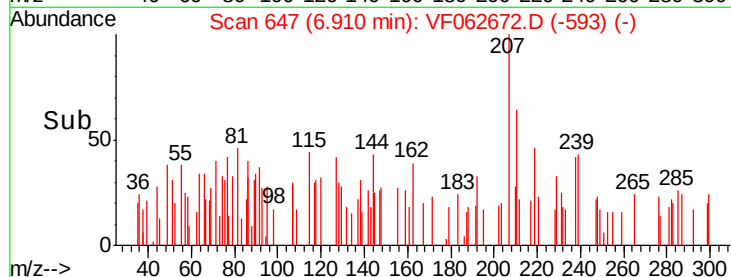
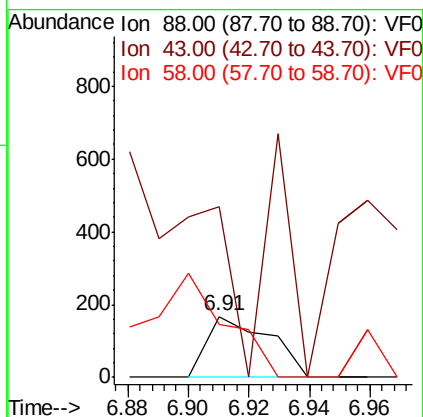
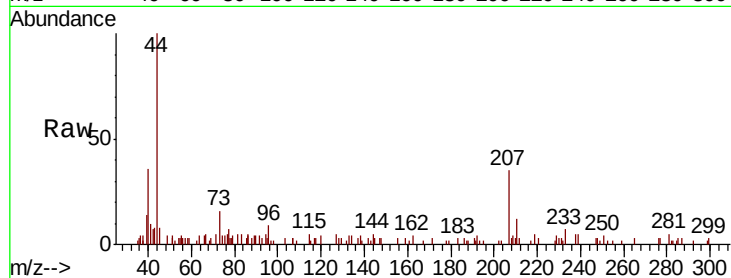




#49
1,4-Dioxane
Concen: 6.147 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.03 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

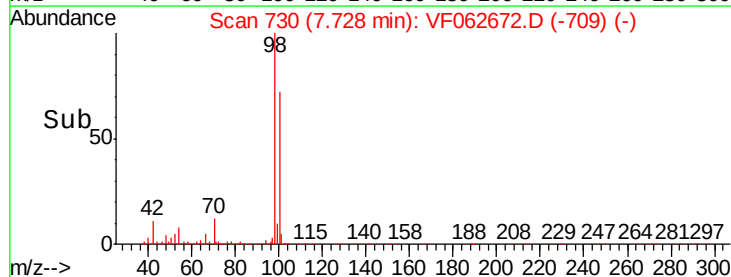
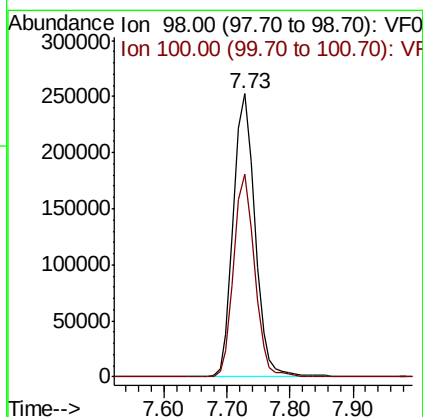
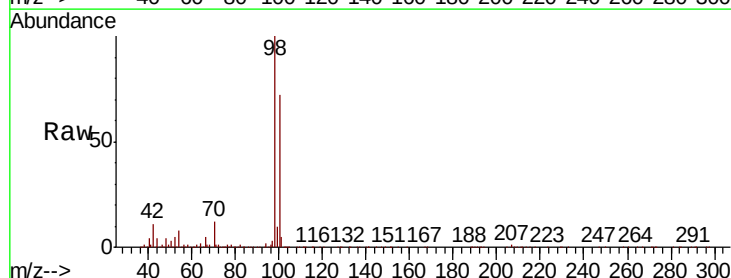
Instrument :
MSVOA_F
ClientSampleId :
GIS-2-4-FTRE

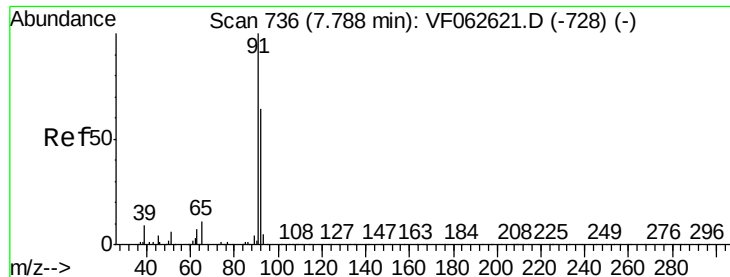
Tot Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 278.6 30.0 45.0#
58 86.9 51.1 76.7#



#50
Toluene-d8
Concen: 30.575 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

Tgt Ion: 98 Resp: 601070
Ion Ratio Lower Upper
98 100
100 71.8 56.2 84.2





#52

Toluene

Concen: 2.508 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062672.D

Acq: 20 May 2019 20:37

Instrument :

MSVOA_F

ClientSampleId :

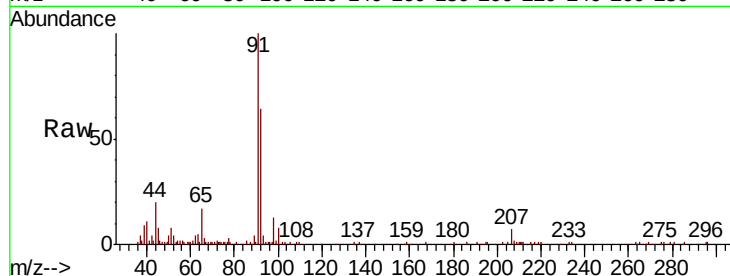
GIS-2-4-FTRE

Tot Ion: 92 Resp: 39513

Ion Ratio Lower Upper

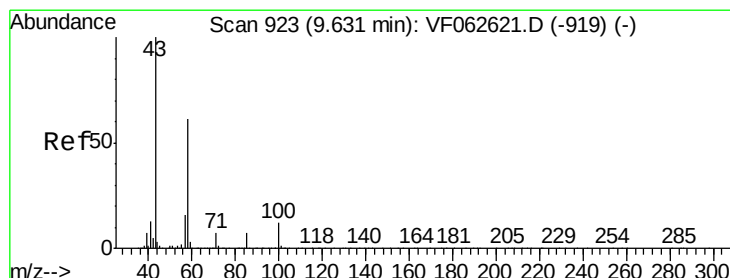
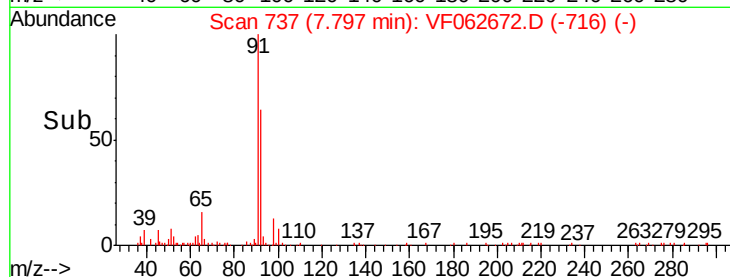
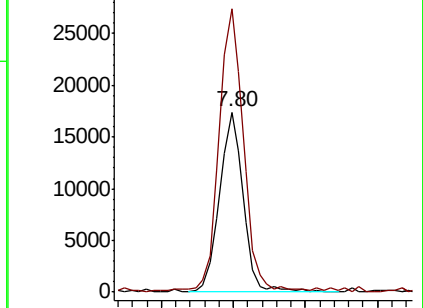
92 100

91 157.0 125.4 188.0



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: 9.66 min Scan# 926

Delta R.T. 0.03 min

Lab File: VF062672.D

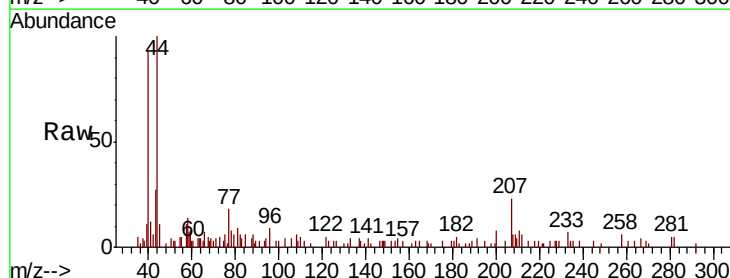
Acq: 20 May 2019 20:37

Tgt Ion: 43 Resp: 3632

Ion Ratio Lower Upper

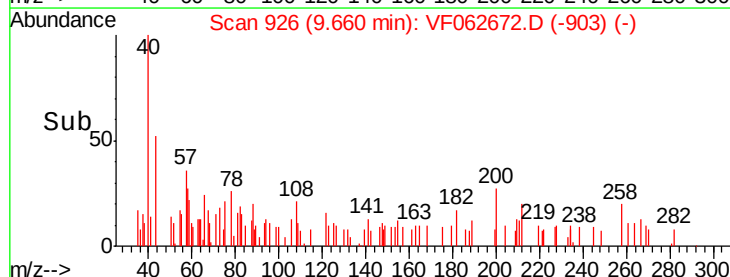
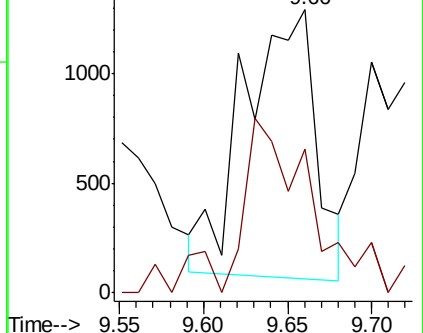
43 100

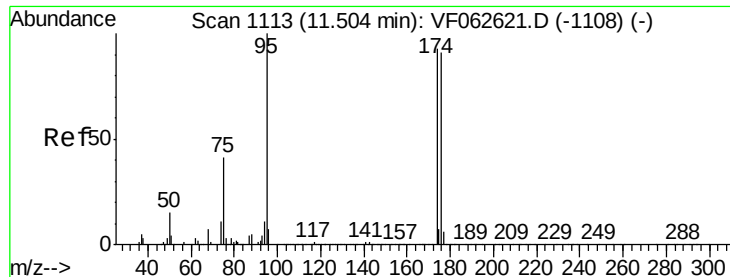
58 50.8 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

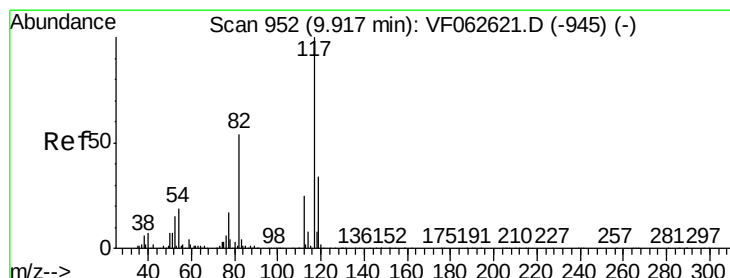
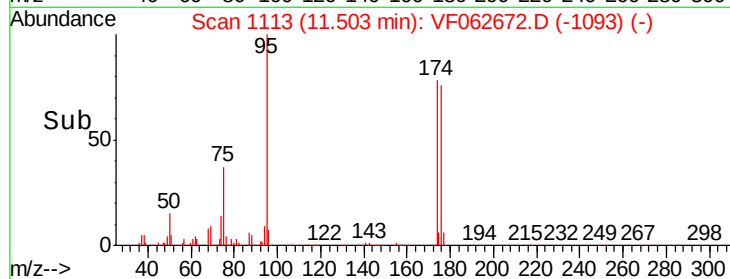
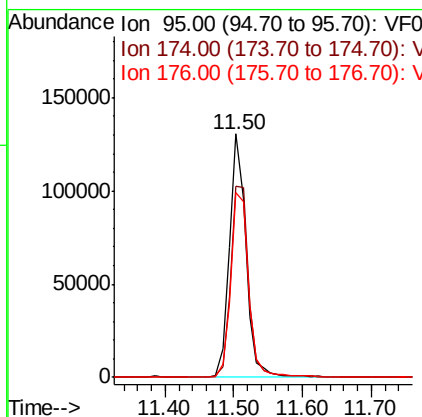
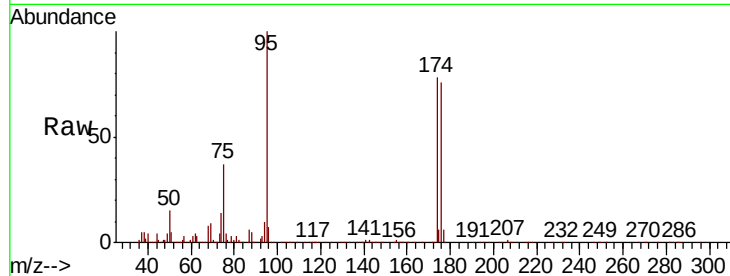




#62
4-Bromofluorobenzene
Concen: 29.101 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

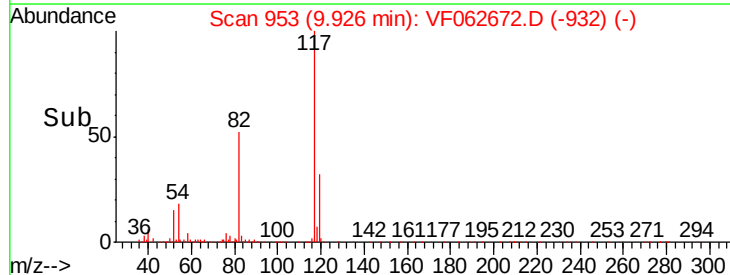
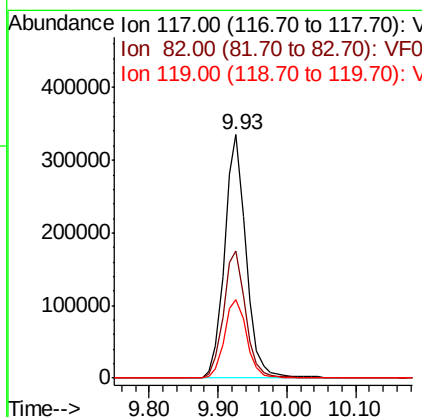
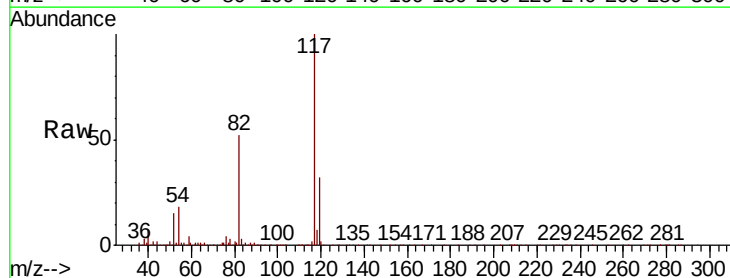
Instrument :
MSVOA_F
ClientSampleId :
GIS-2-4-FTRE

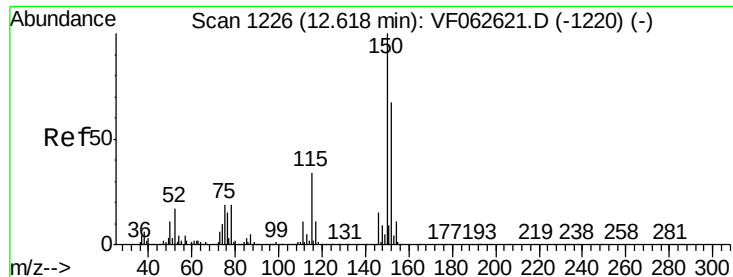
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	185.6
176	76.0	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.3	64.9
119	32.1	27.4	41.0



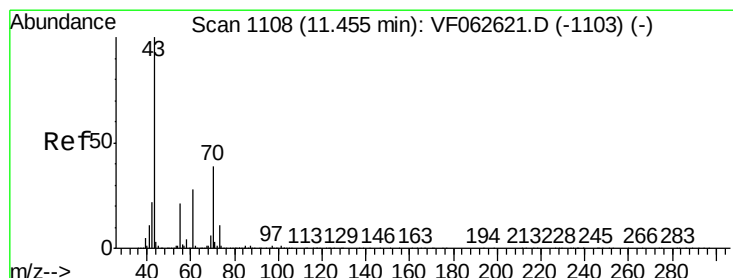
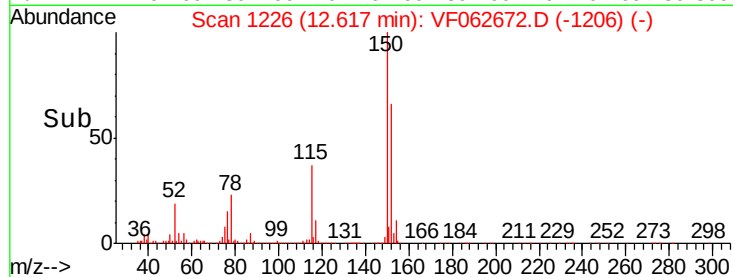
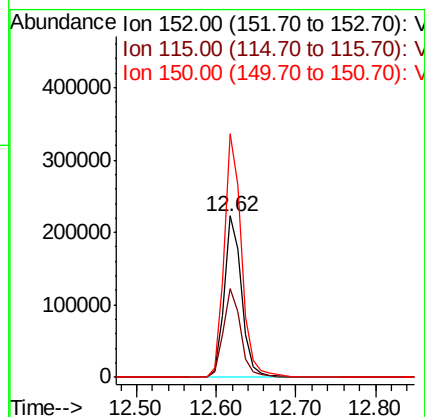
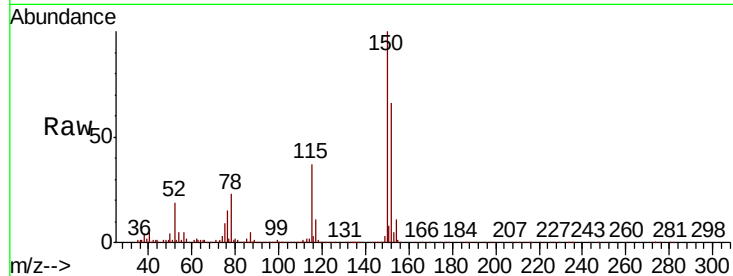


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

Instrument :
MSVOA_F
ClientSampleId :
GIS-2-4-FTRE

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	25.2	75.6
150	151.2	0.0	306.2



#74

N-amil acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062672.D
Acq: 20 May 2019 20:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	30.9	46.3
55	25.5	17.0	25.4#
61	28.3	22.6	34.0

