

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062670.D
 Acq On : 20 May 2019 19:41
 Operator : FY/SY
 Sample : K2905-02RE
 Misc : 4.34g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 T-3-4FTRE

Quant Time: May 21 02:02:38 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	856486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1478709	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1067640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	523123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	200507	33.13	ug/l	0.00
Spiked Amount			Recovery	=	66.26%	
35) Dibromofluoromethane	4.32	113	416338	36.79	ug/l	0.00
Spiked Amount			Recovery	=	73.58%	
50) Toluene-d8	7.72	98	851796	31.53	ug/l	0.00
Spiked Amount			Recovery	=	63.06%	
62) 4-Bromofluorobenzene	11.51	95	312570	30.51	ug/l	0.00
Spiked Amount			Recovery	=	61.02%	

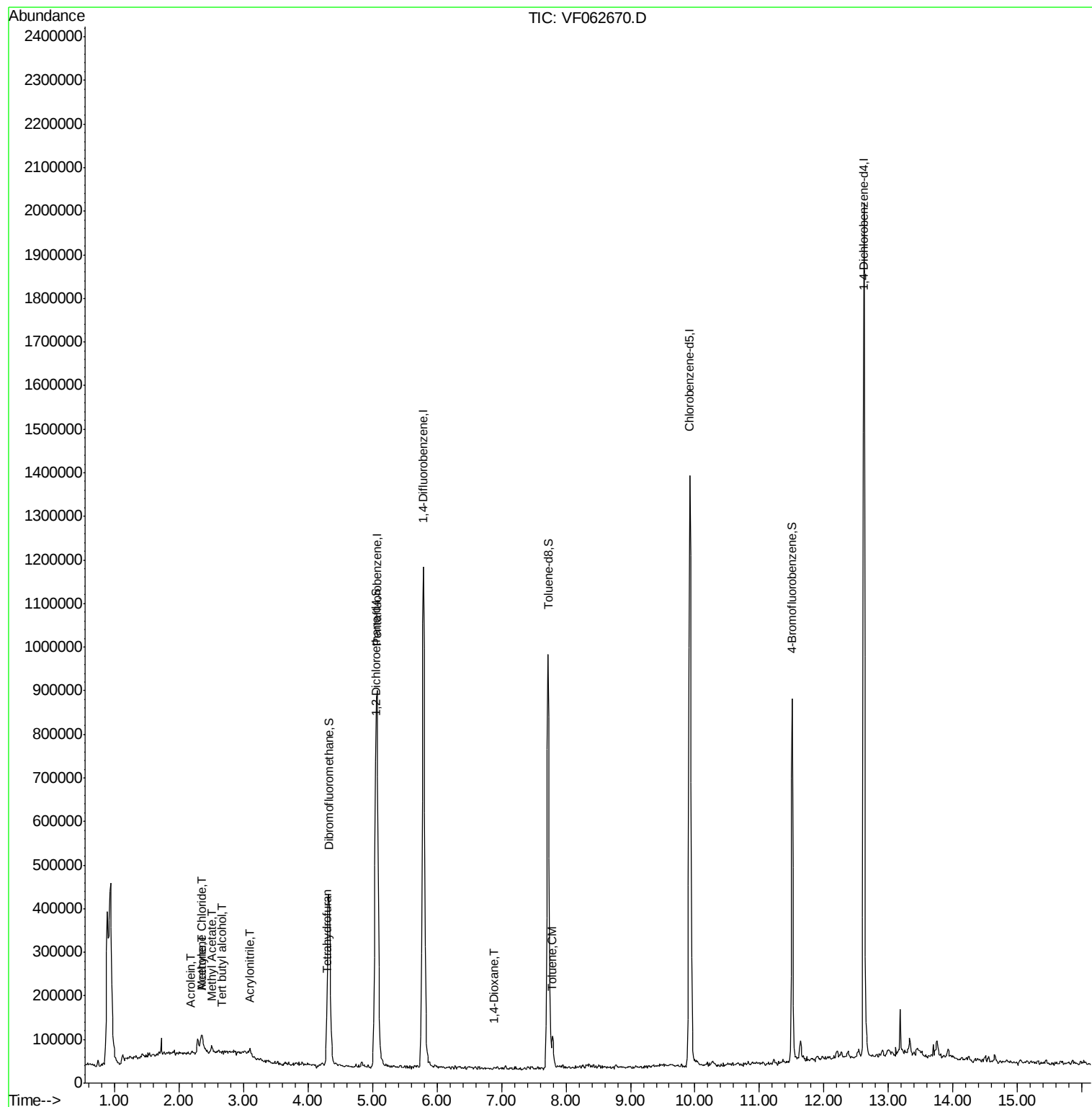
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1214	3.038	ug/l #	1
13) Acrolein	2.18	56	1072	2.570	ug/l	92
15) Acrylonitrile	3.11	53	1944	1.725	ug/l #	78
16) Acetone	2.35	43	15989	10.183	ug/l #	83
18) Methyl Acetate	2.51	43	5523	2.238	ug/l	99
20) Methylene Chloride	2.35	84	32842	4.173	ug/l #	83
29) Tetrahydrofuran	4.28	42	1797	1.324	ug/l #	64
49) 1,4-Dioxane	6.89	88	416	7.753	ug/l #	1
52) Toluene	7.79	92	37550	1.735	ug/l	99
59) 2-Hexanone	9.64	43	4472	Below Cal	#	44
74) N-amyl acetate	11.48	43	923	Below Cal	#	51

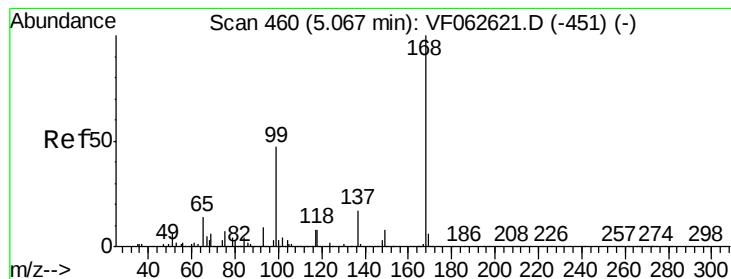
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 02:02:38 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062670.D

Acq: 20 May 2019 19:41

Instrument :

MSVOA_F

ClientSampleId :

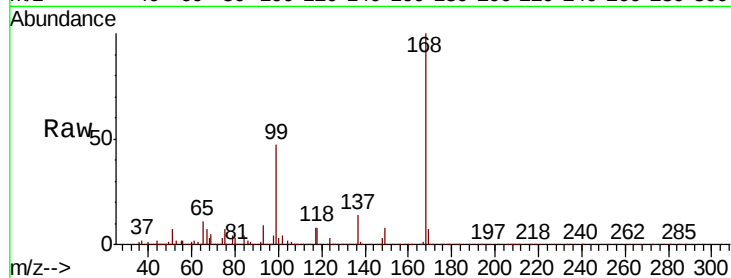
T-3-4FTRE

Tot Ion:168 Resp: 856486

Ion Ratio Lower Upper

168 100

99 46.9 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

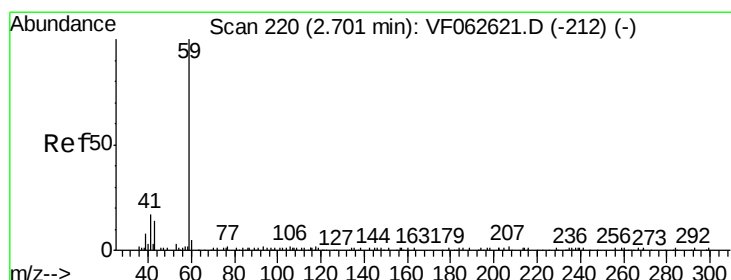
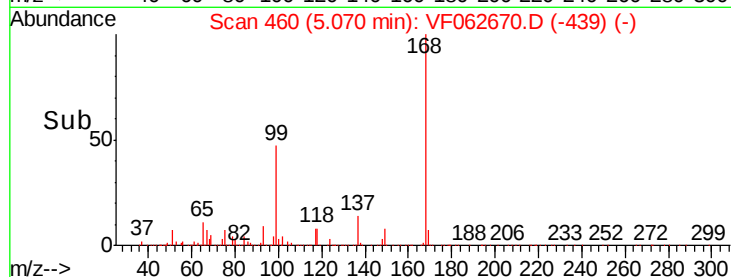
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.038 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062670.D

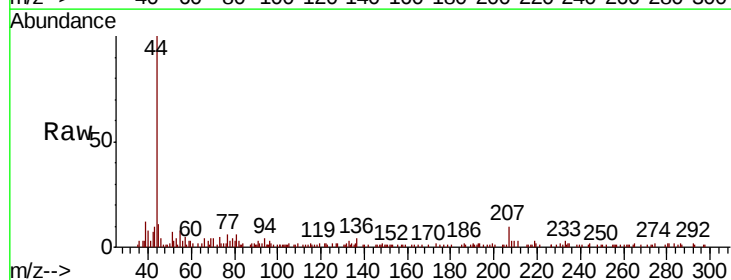
Acq: 20 May 2019 19:41

Tgt Ion: 59 Resp: 1214

Ion Ratio Lower Upper

59 100

57 148.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

800

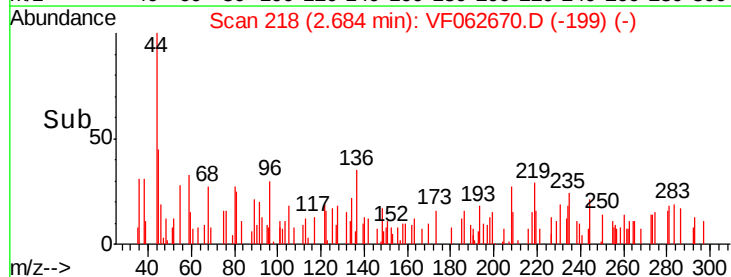
600

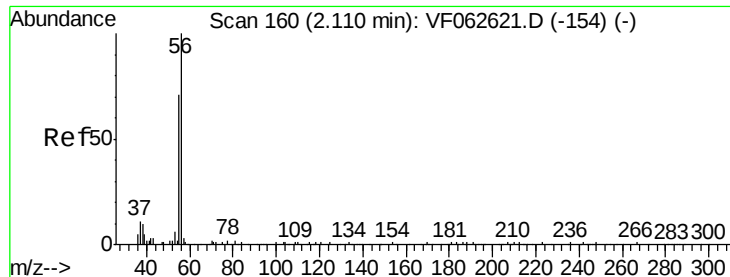
400

200

0

Time-->

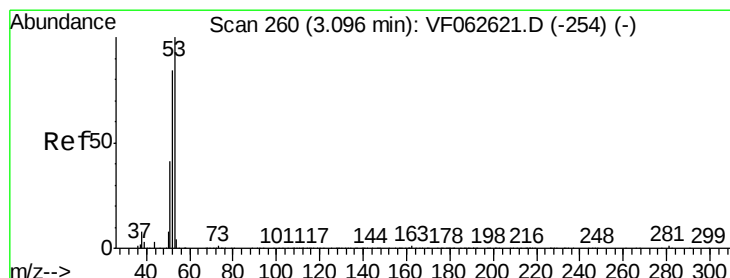
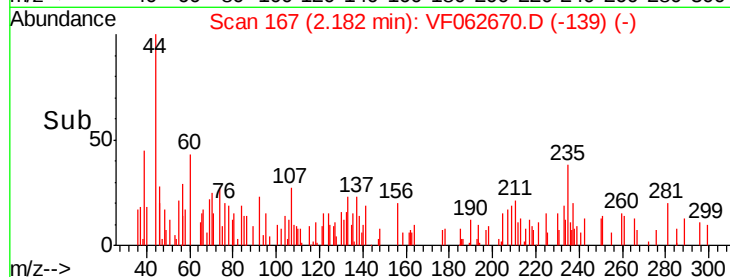
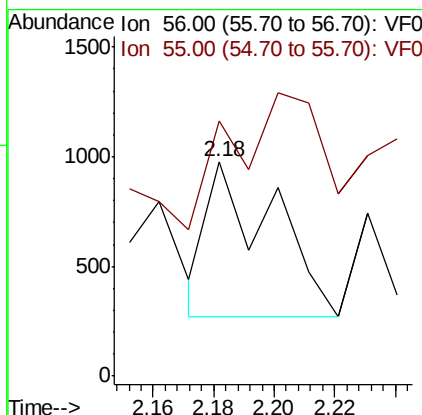
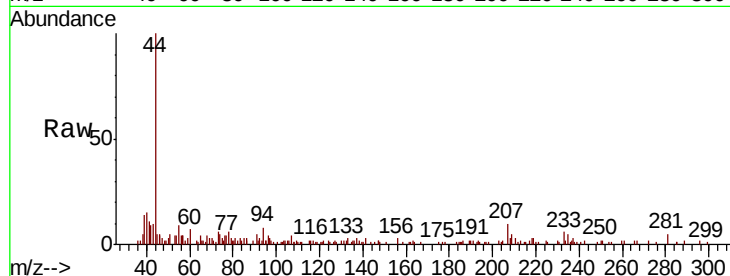




#13
Acrolein
Concen: 2.570 ug/l
RT: 2.18 min Scan# 167
Delta R.T. 0.07 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

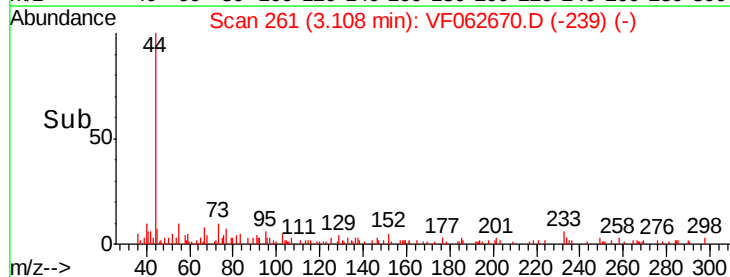
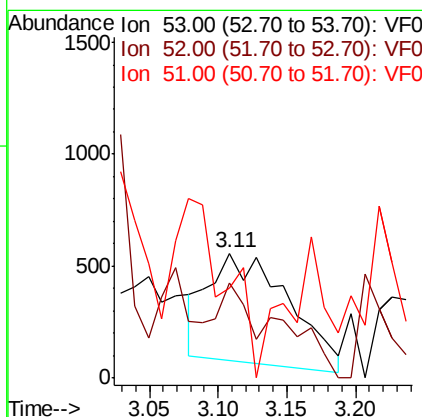
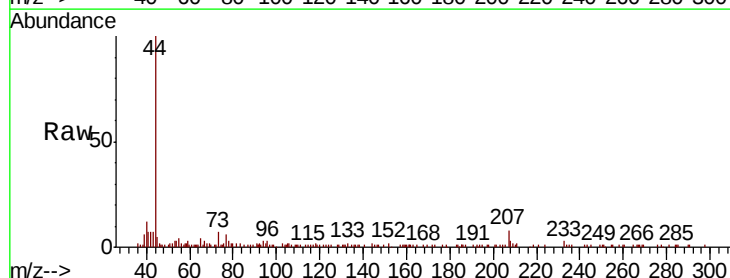
Instrument :
MSVOA_F
ClientSampleId :
T-3-4FTRE

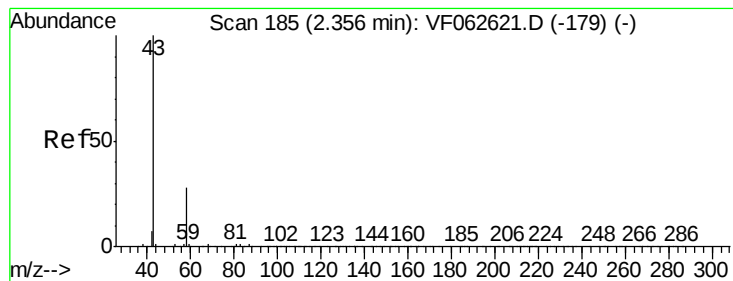
Tot Ion: 56 Resp: 1072
Ion Ratio Lower Upper
56 100
55 80.8 59.4 89.0



#15
Acrylonitrile
Concen: 1.725 ug/l
RT: 3.11 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

Tgt Ion: 53 Resp: 1944
Ion Ratio Lower Upper
53 100
52 75.8 67.3 100.9
51 72.2 33.0 49.6#





#16

Acetone

Concen: 10.183 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062670.D

Acq: 20 May 2019 19:41

Instrument :

MSVOA_F

ClientSampleId :

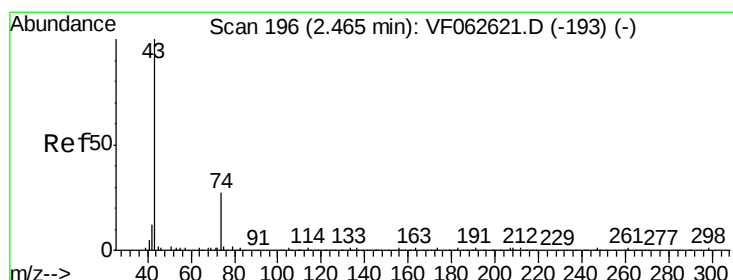
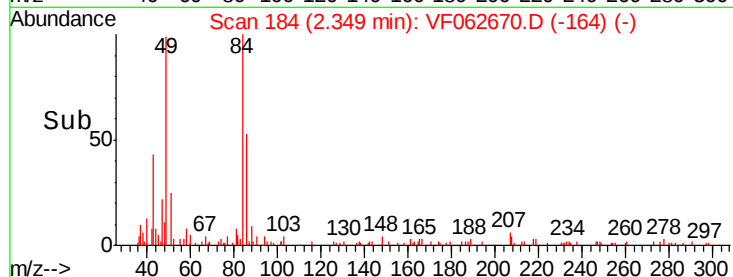
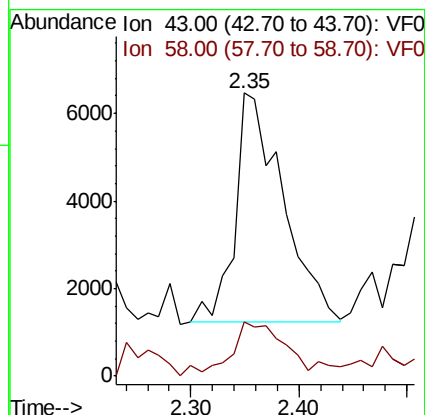
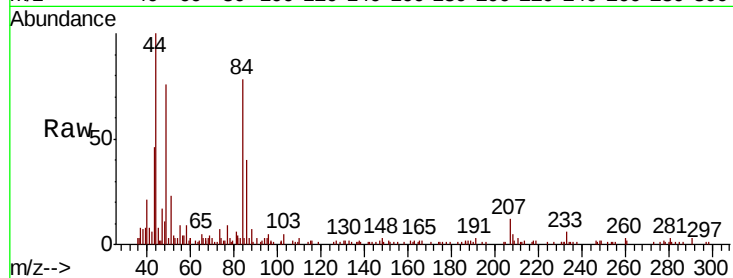
T-3-4FTRE

Tot Ion: 43 Resp: 15989

Ion Ratio Lower Upper

43 100

58 19.0 22.6 33.8#



#18

Methyl Acetate

Concen: 2.238 ug/l

RT: 2.51 min Scan# 200

Delta R.T. 0.04 min

Lab File: VF062670.D

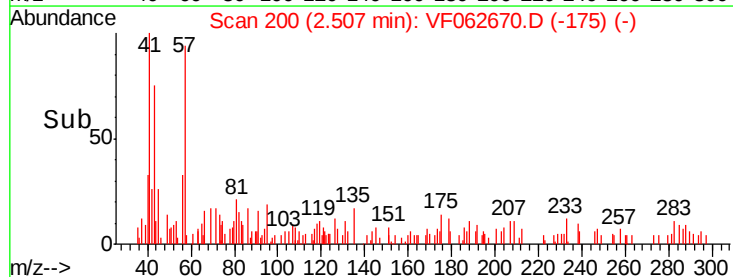
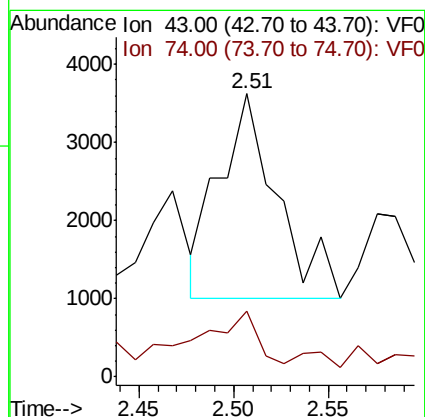
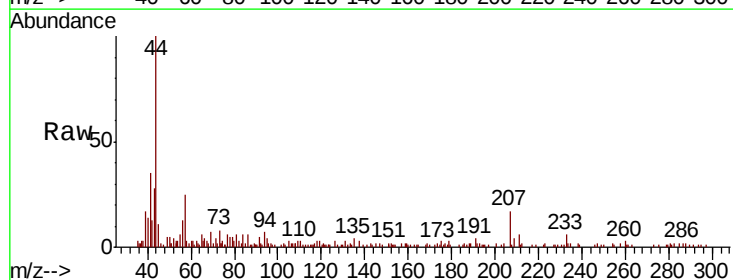
Acq: 20 May 2019 19:41

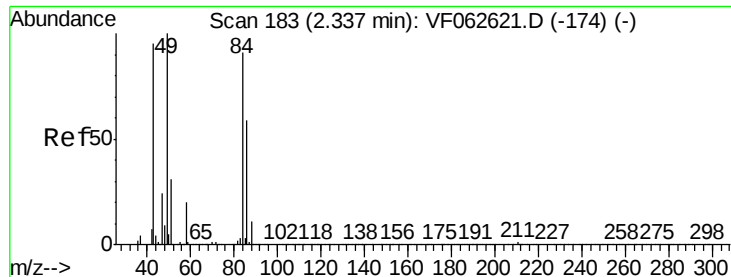
Tgt Ion: 43 Resp: 5523

Ion Ratio Lower Upper

43 100

74 23.2 18.9 28.3

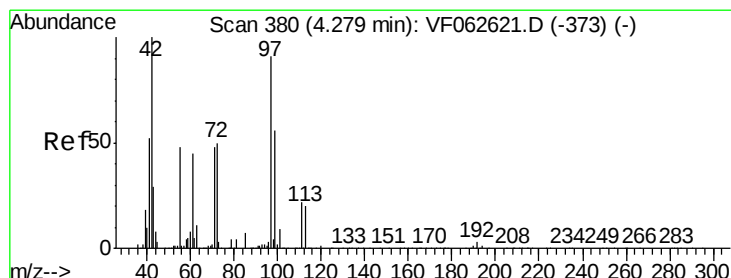
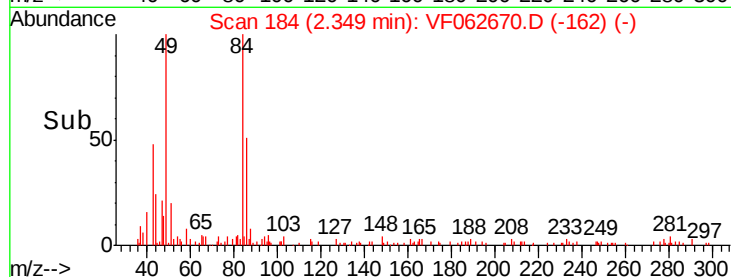
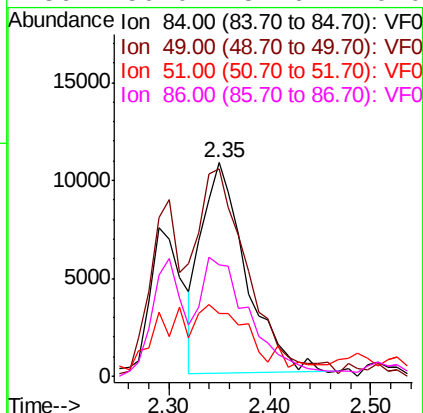
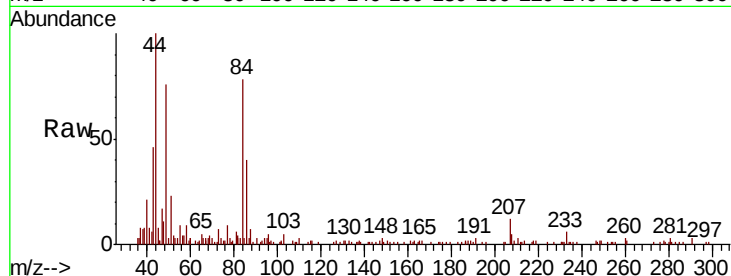




#20
Methvlene Chloride
Concen: 4.173 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

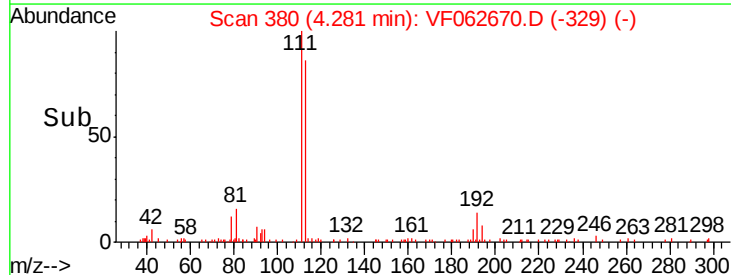
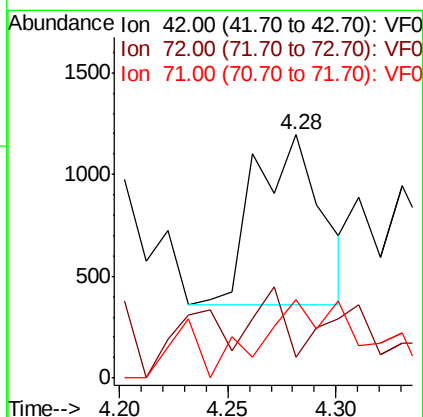
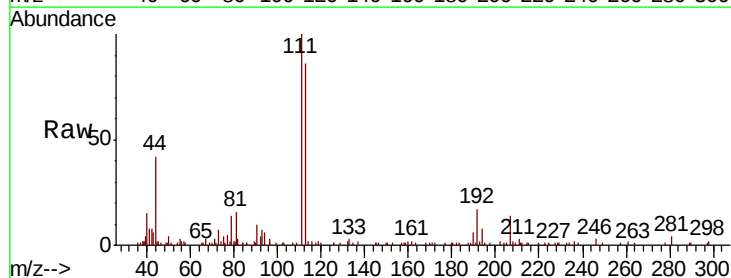
Instrument :
MSVOA_F
ClientSampleId :
T-3-4FTRE

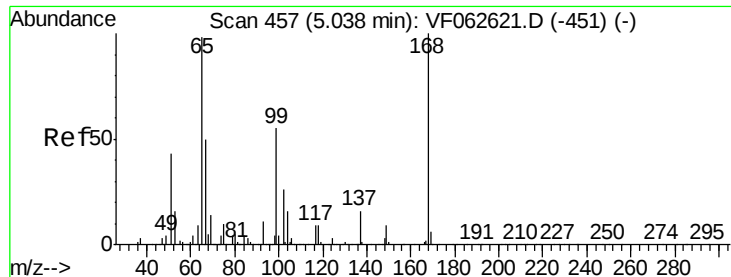
Tot Ion: 84 Resp: 32842
Ion Ratio Lower Upper
84 100
49 93.6 89.8 134.8
51 28.1 28.4 42.6#
86 50.0 52.6 79.0#



#29
Tetrahydrofuran
Concen: 1.324 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

Tgt Ion: 42 Resp: 1797
Ion Ratio Lower Upper
42 100
72 17.7 38.2 57.2#
71 62.2 35.8 53.6#





#33

1,2-Dichloroethane-d4

Concen: 33.129 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062670.D

Acq: 20 May 2019 19:41

Instrument :

MSVOA_F

ClientSampleId :

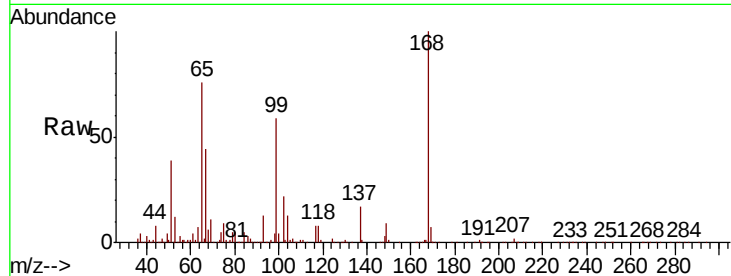
T-3-4FTRE

Tot Ion: 65 Resp: 200507

Ion Ratio Lower Upper

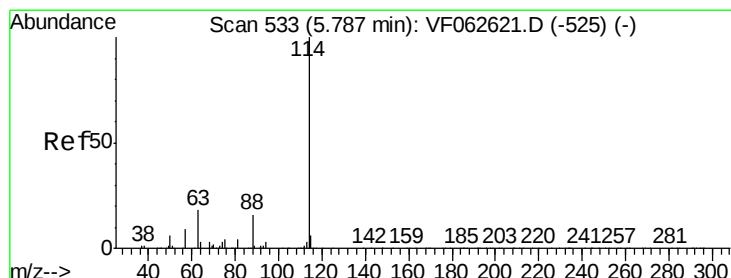
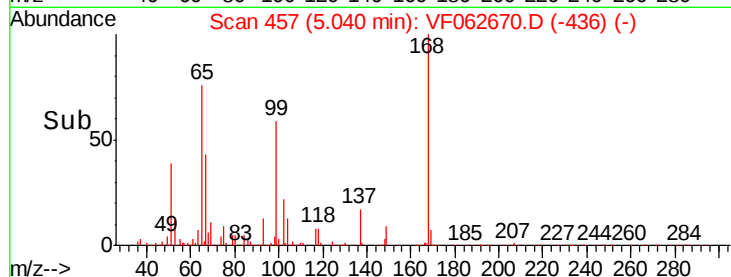
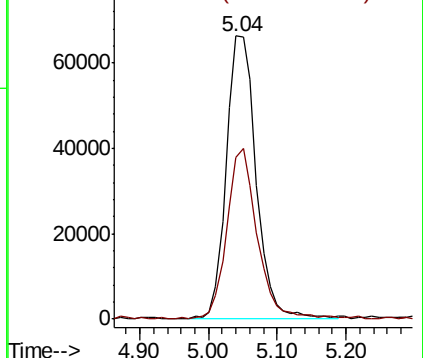
65 100

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: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062670.D

Acq: 20 May 2019 19:41

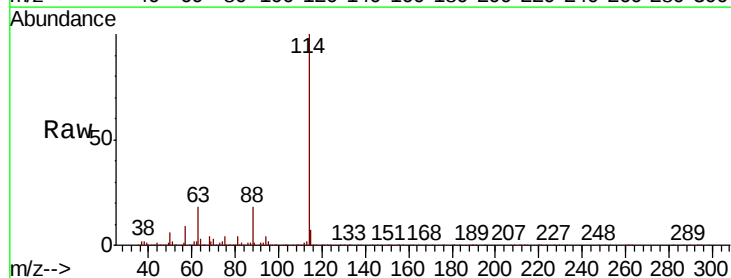
Tgt Ion: 114 Resp: 1478709

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

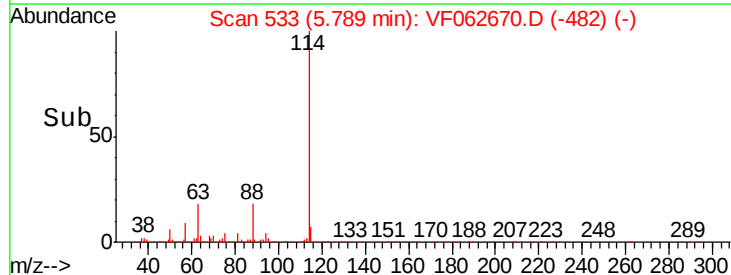
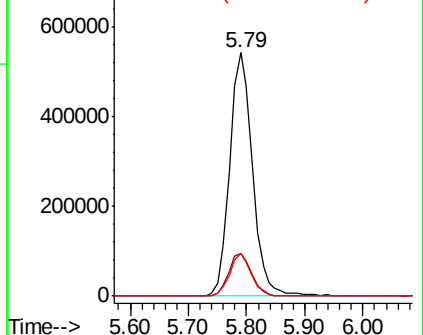
88 17.7 0.0 32.4

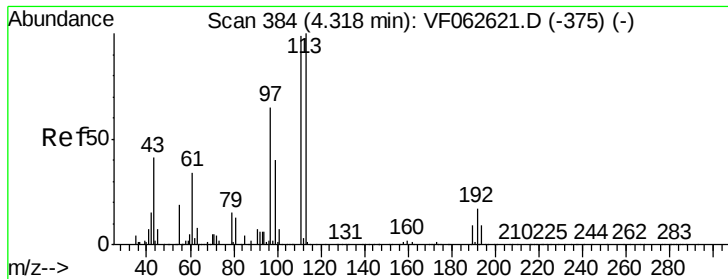


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

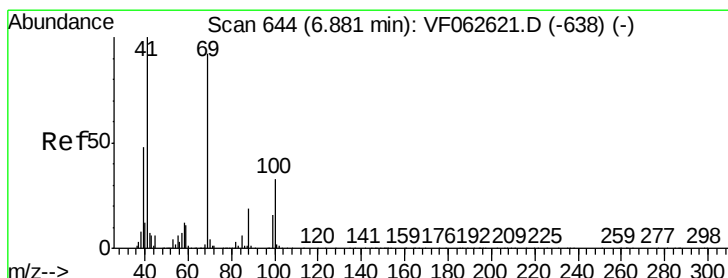
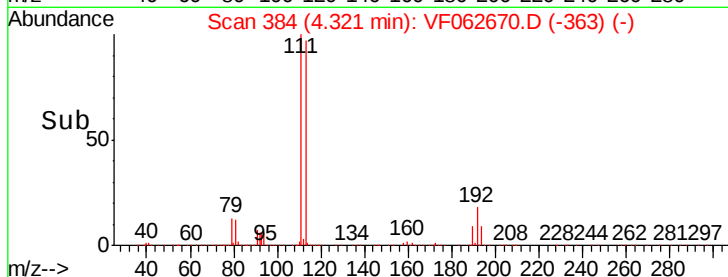
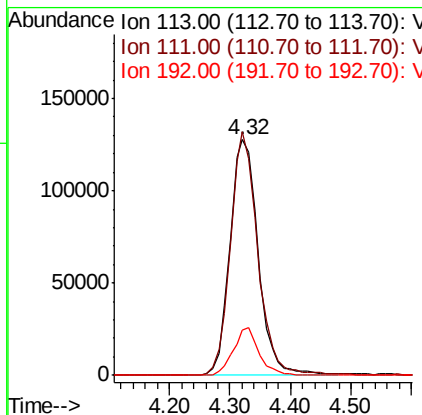
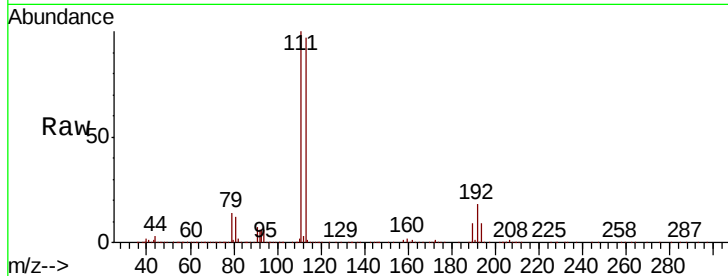




#35
 Dibromofluoromethane
 Concen: 36.795 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062670.D
 Acq: 20 May 2019 19:41

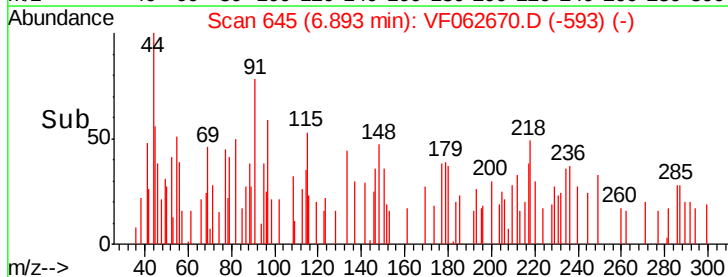
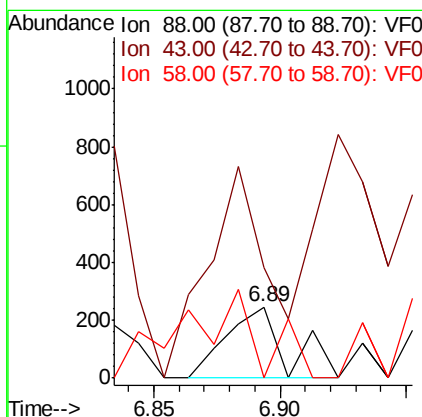
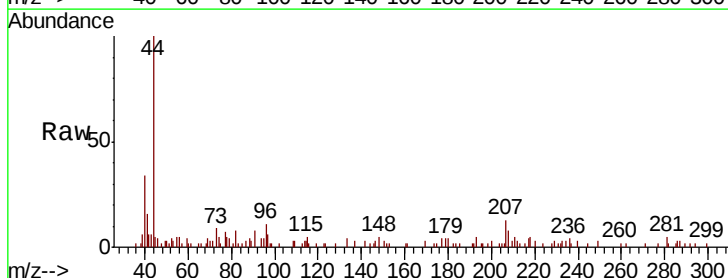
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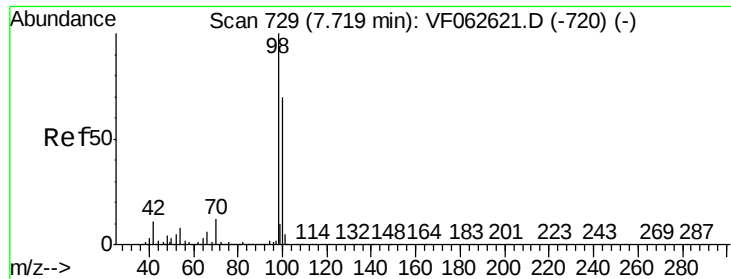
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	79.4	119.2
192	19.3	13.4	20.2



#49
 1,4-Dioxane
 Concen: 7.753 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VF062670.D
 Acq: 20 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
88	100		
43	154.9	30.0	45.0#
58	0.0	51.1	76.7#

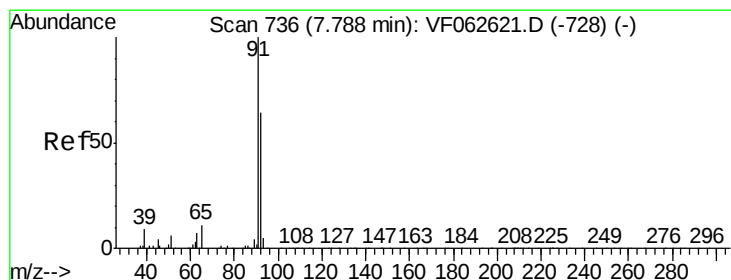
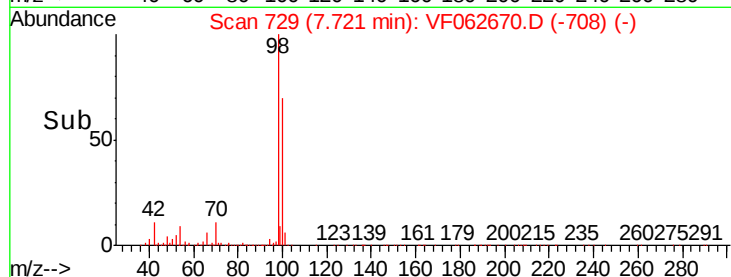
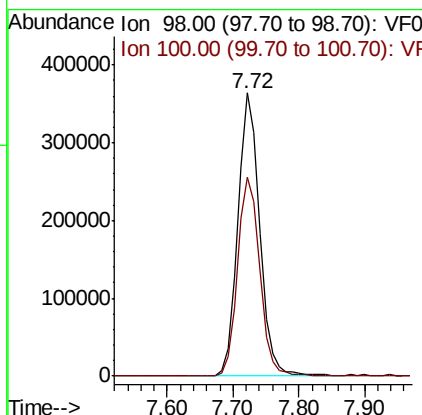
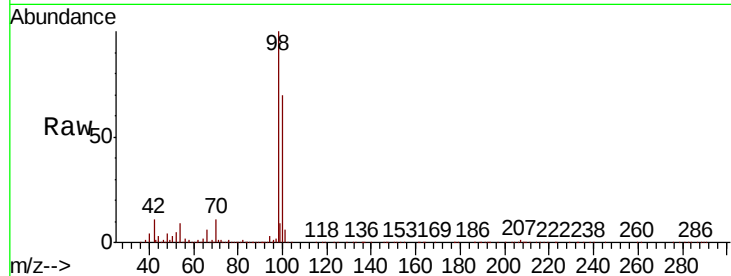




#50
Toluene-d8
Concen: 31.529 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

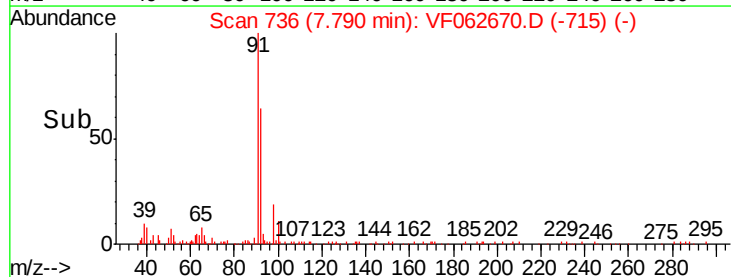
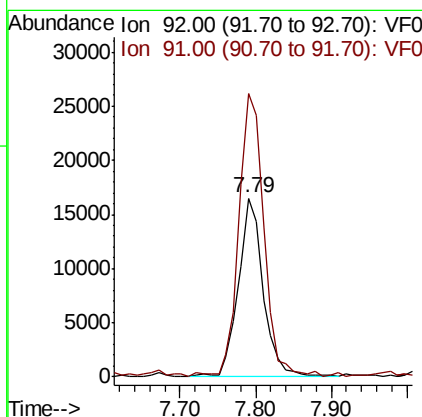
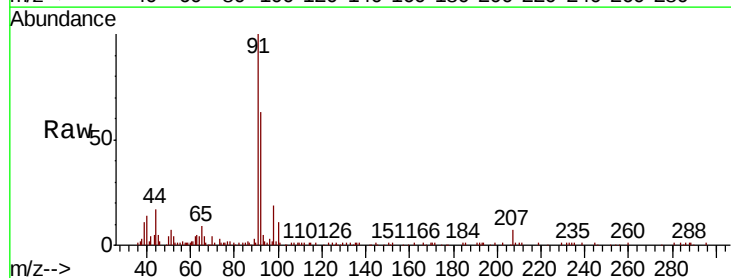
Instrument :
MSVOA_F
ClientSampleId :
T-3-4FTRE

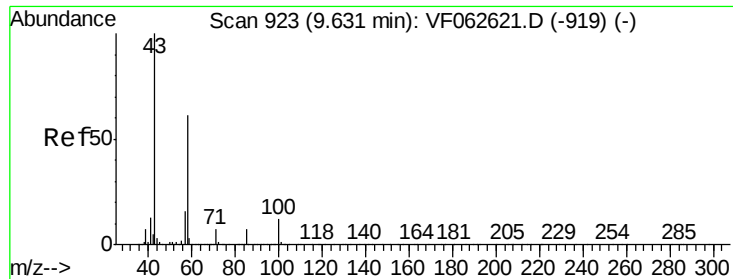
Tot Ion: 98 Resp: 851796
Ion Ratio Lower Upper
98 100
100 70.4 56.2 84.2



#52
Toluene
Concen: 1.735 ug/l
RT: 7.79 min Scan# 736
Delta R.T. 0.00 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

Tgt Ion: 92 Resp: 37550
Ion Ratio Lower Upper
92 100
91 158.6 125.4 188.0

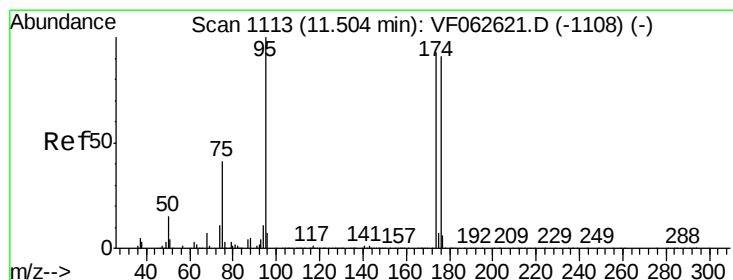
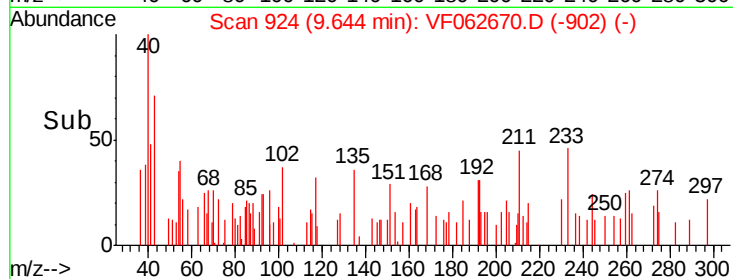
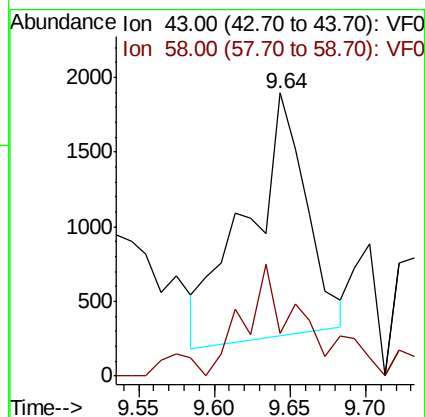
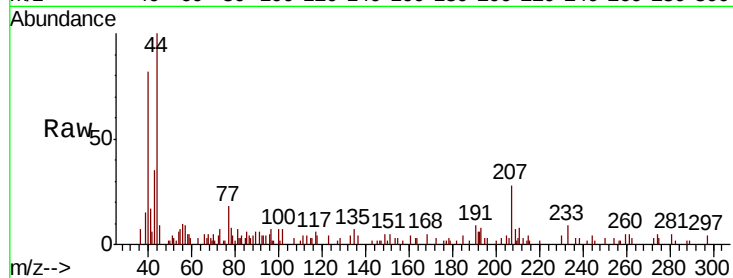




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

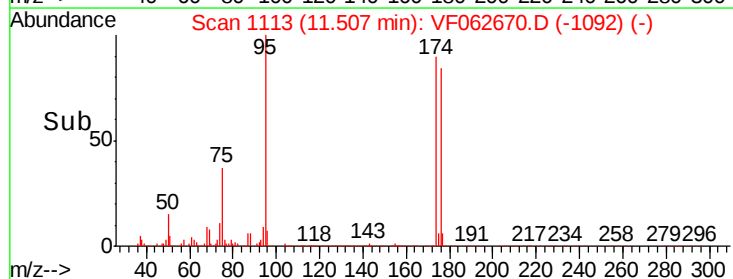
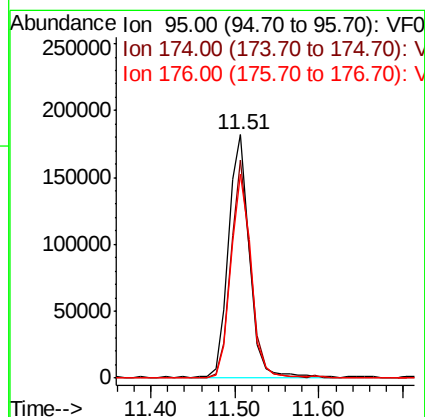
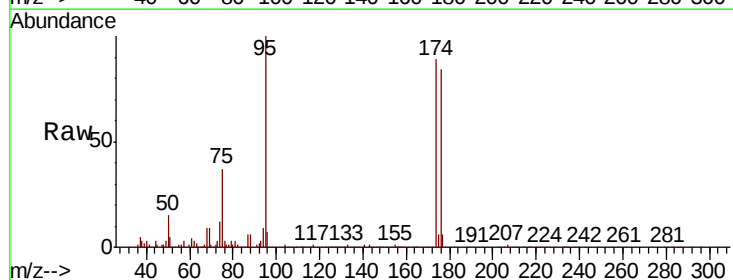
Instrument :
MSVOA_F
ClientSampleId :
T-3-4FTRE

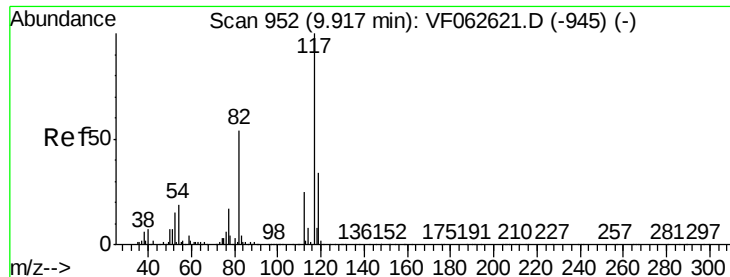
Tot Ion: 43 Resp: 4472
Ion Ratio Lower Upper
43 100
58 15.3 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 30.505 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

Tgt Ion: 95 Resp: 312570
Ion Ratio Lower Upper
95 100
174 89.5 0.0 185.6
176 84.0 0.0 182.4

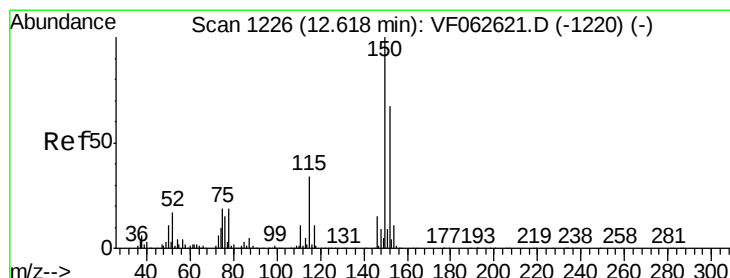
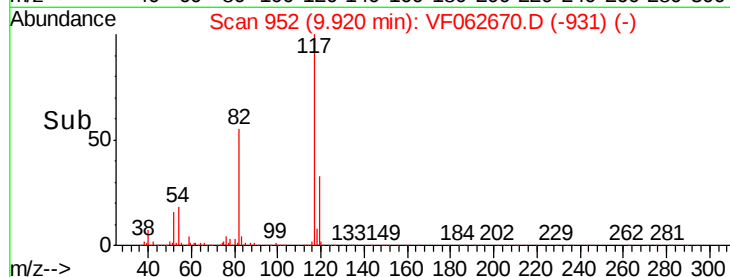
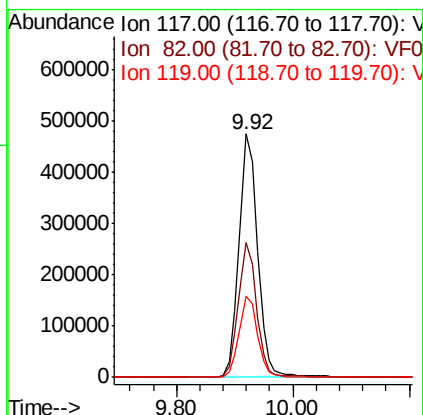
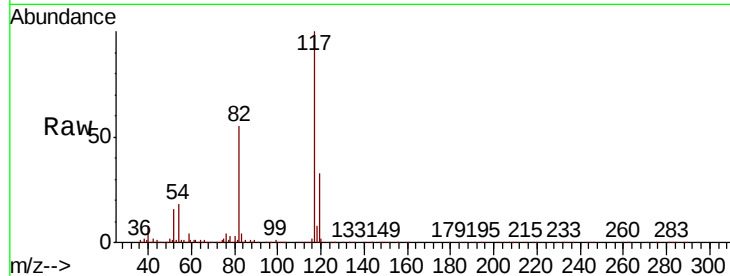




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

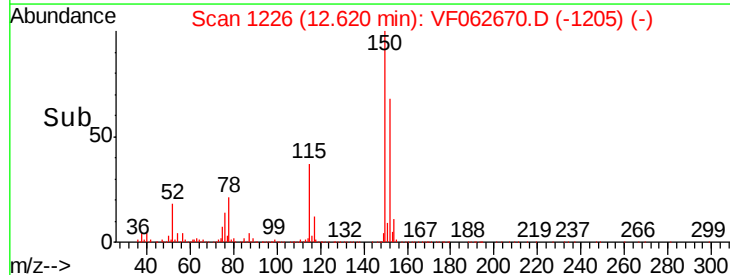
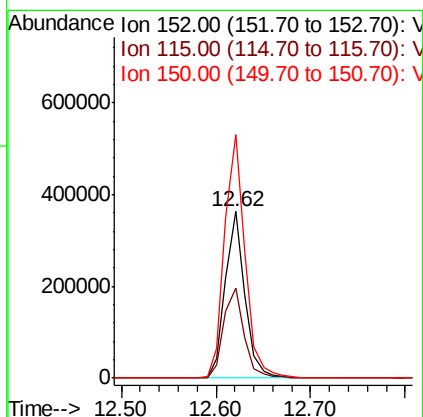
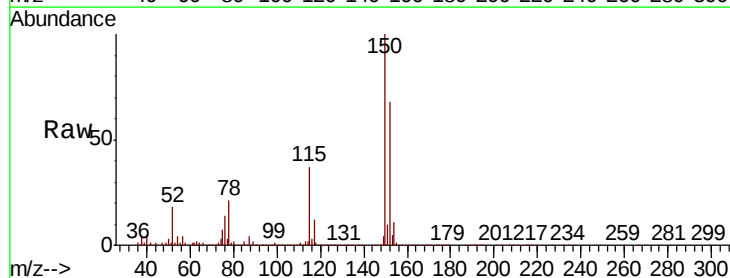
Instrument :
MSVOA_F
ClientSampleId :
T-3-4FTRE

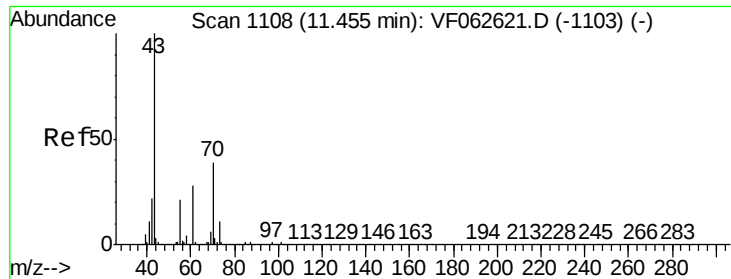
Tot Ion:117 Resp: 1067640
Ion Ratio Lower Upper
117 100
82 55.5 43.3 64.9
119 33.4 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062670.D
Acq: 20 May 2019 19:41

Tgt Ion:152 Resp: 523123
Ion Ratio Lower Upper
152 100
115 53.7 25.2 75.6
150 146.2 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.48 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062670.D

Acq: 20 May 2019 19:41

Instrument :

MSVOA_F

ClientSampleId :

T-3-4FTRE

Tot Ion: 43 Resp: 923

Ion Ratio Lower Upper

43 100

70 21.6 30.9 46.3#

55 83.6 17.0 25.4#

61 19.7 22.6 34.0#

