

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062690.D
 Acq On : 21 May 2019 18:35
 Operator : FY/SY
 Sample : K2971-05
 Misc : 6.38g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:57:45 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	831437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	1398843	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	1000326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	447395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	192909	32.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.66%	
35) Dibromofluoromethane	4.31	113	384496	35.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.84%	
50) Toluene-d8	7.71	98	768272	30.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.12%	
62) 4-Bromofluorobenzene	11.50	95	275082	28.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.76%	

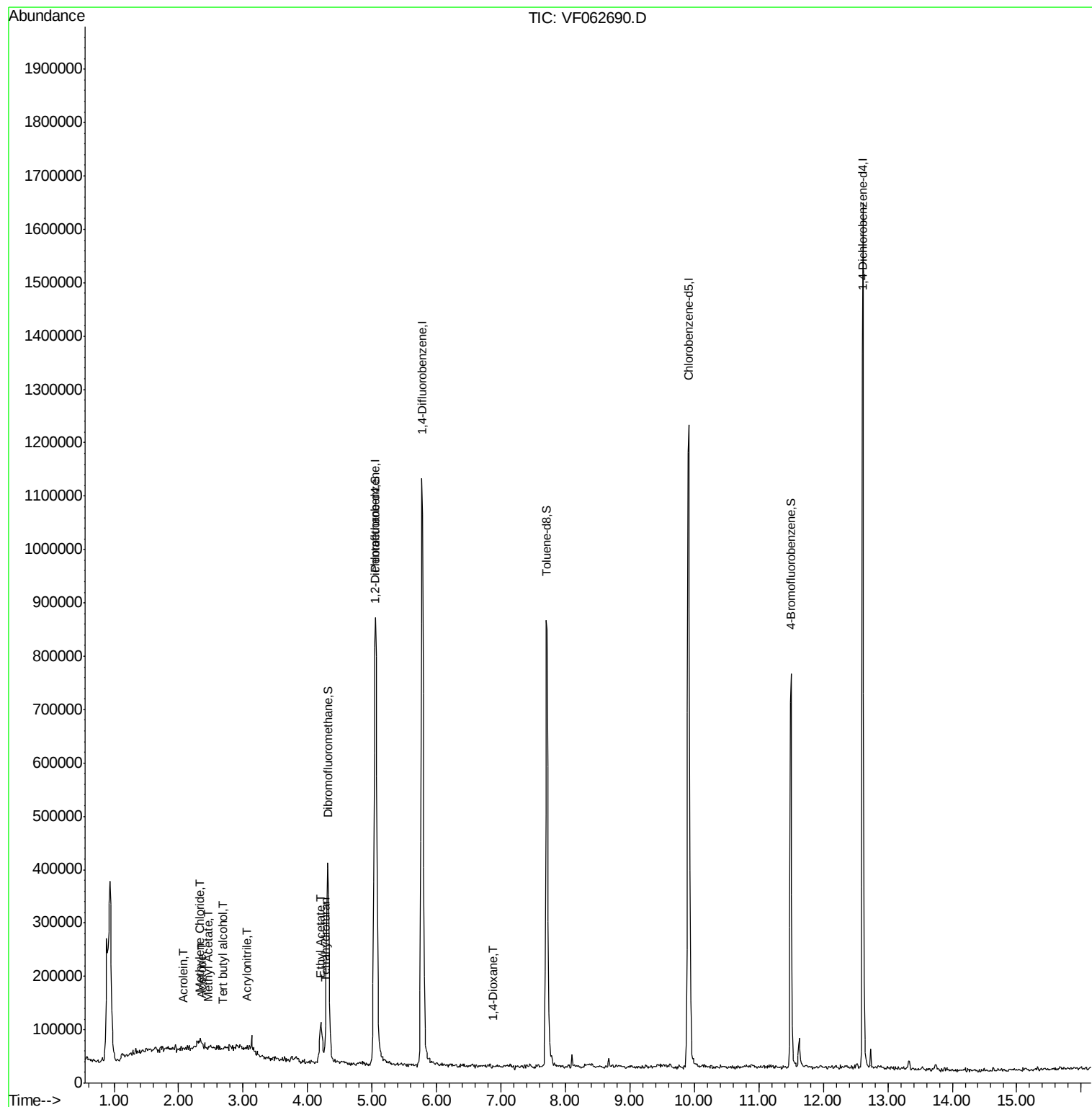
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1267	3.266	ug/l #	1
13) Acrolein	2.09	56	415	1.025	ug/l #	67
15) Acrylonitrile	3.05	53	1649	1.507	ug/l #	29
16) Acetone	2.36	43	2465	1.617	ug/l	94
18) Methyl Acetate	2.46	43	3547	1.481	ug/l	90
20) Methylene Chloride	2.33	84	11298	1.479	ug/l #	89
29) Tetrahydrofuran	4.26	42	1445	1.097	ug/l #	20
37) Ethyl Acetate	4.21	43	9800	1.674	ug/l #	44
49) 1,4-Dioxane	6.87	88	248	4.886	ug/l #	1
59) 2-Hexanone	9.62	43	4136	Below Cal		75
74) N-amyl acetate	11.46	43	1145	Below Cal	#	70

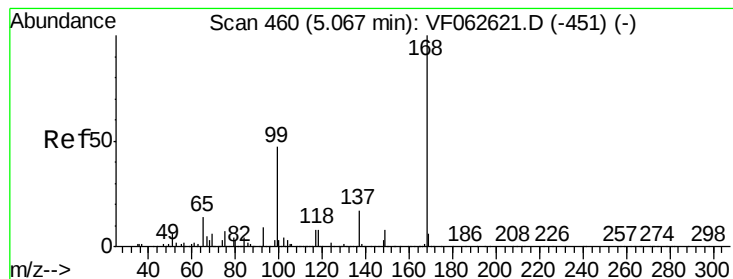
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 03:57:45 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: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

Instrument :

MSVOA_F

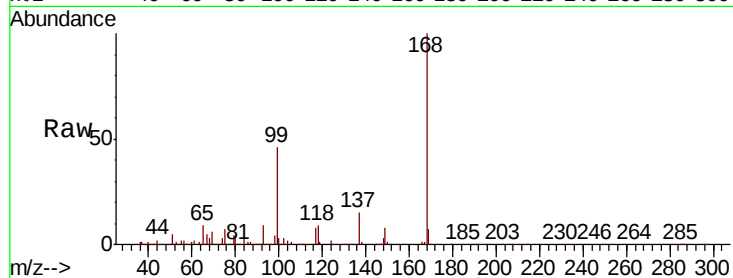
ClientSampleId :

Tot Ion:168 Resp: 831437

Ion Ratio Lower Upper

168 100

99 46.0 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

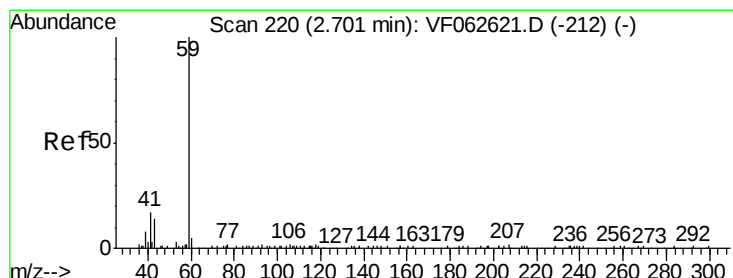
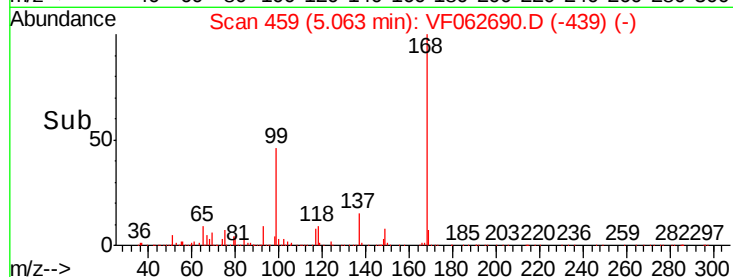
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.266 ug/l

RT: 2.68 min Scan# 217

Delta R.T. -0.02 min

Lab File: VF062690.D

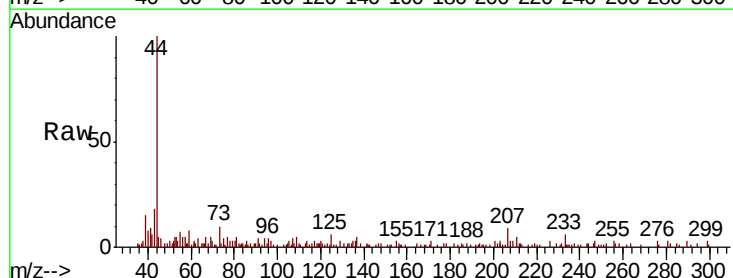
Acq: 21 May 2019 18:35

Tgt Ion: 59 Resp: 1267

Ion Ratio Lower Upper

59 100

57 60.9 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

1000

800

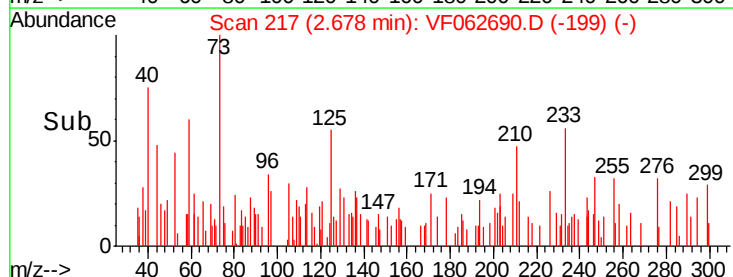
600

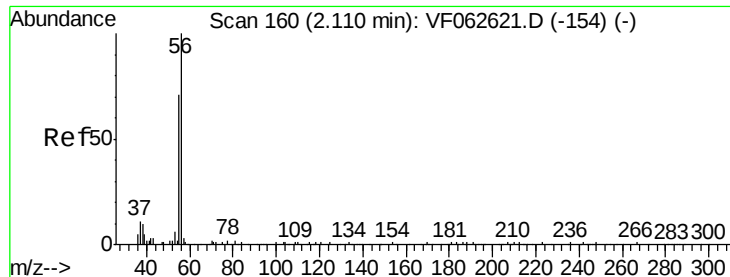
400

200

0

Time-->





#13

Acrolein

Concen: 1.025 ug/l

RT: 2.09 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

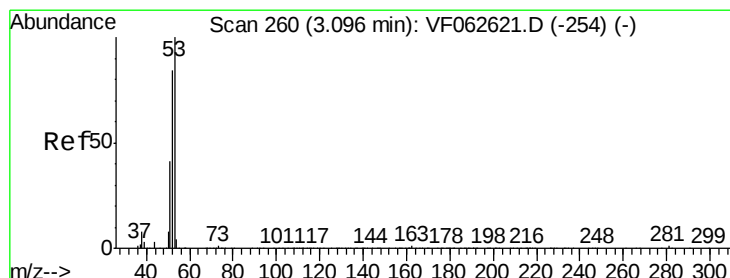
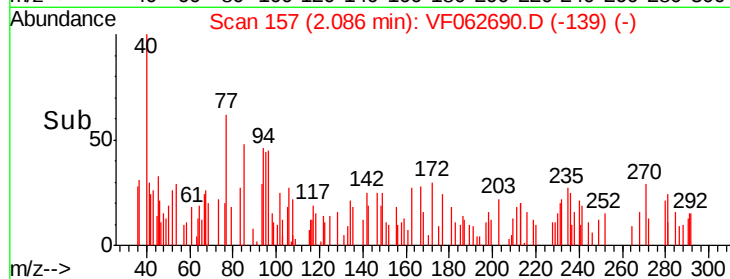
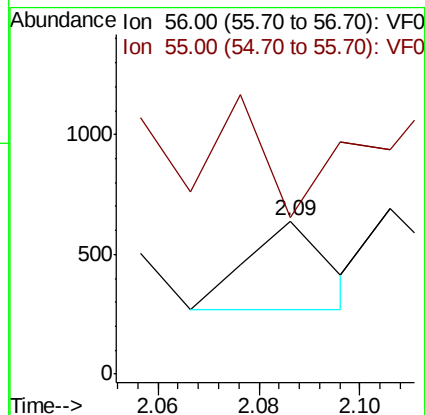
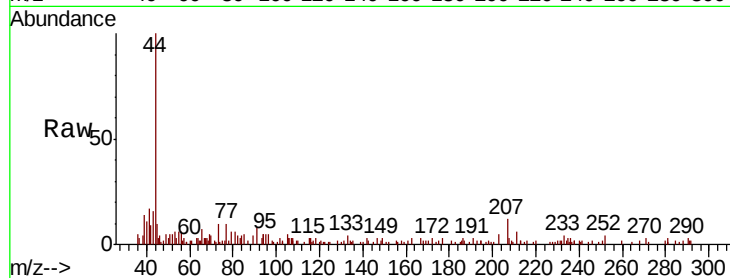
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 415

Ion Ratio Lower Upper

56 100

55 102.2 59.4 89.0#



#15

Acrylonitrile

Concen: 1.507 ug/l

RT: 3.05 min Scan# 255

Delta R.T. -0.04 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

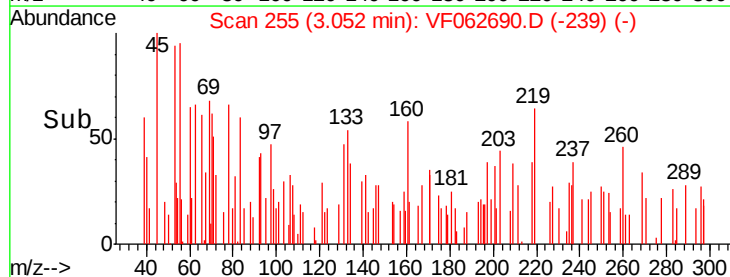
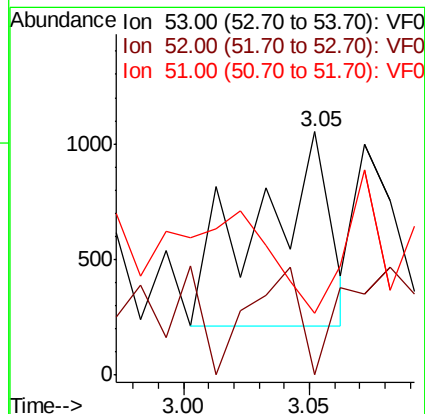
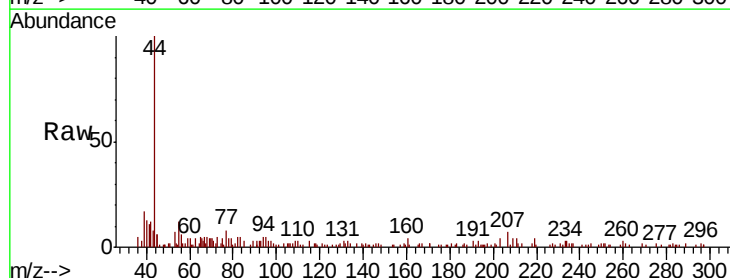
Tgt Ion: 53 Resp: 1649

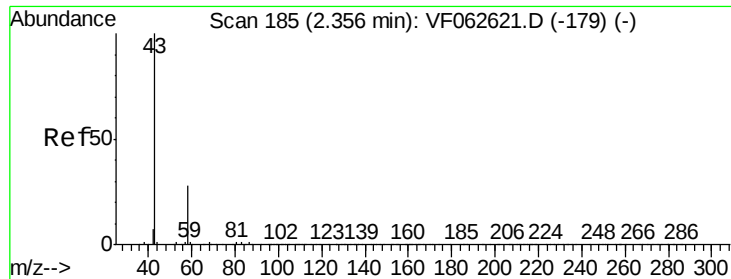
Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 25.3 33.0 49.6#

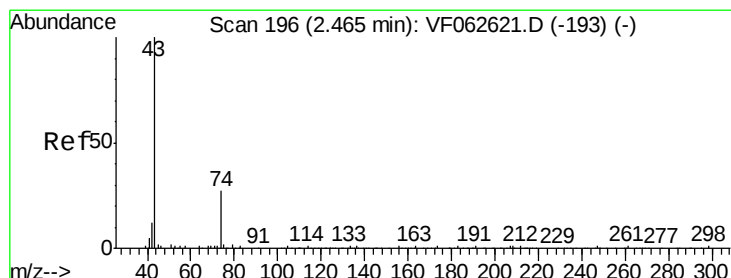
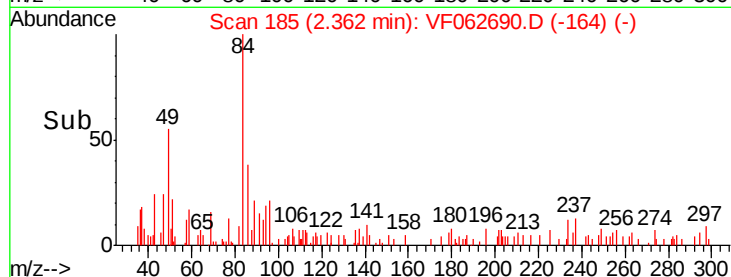
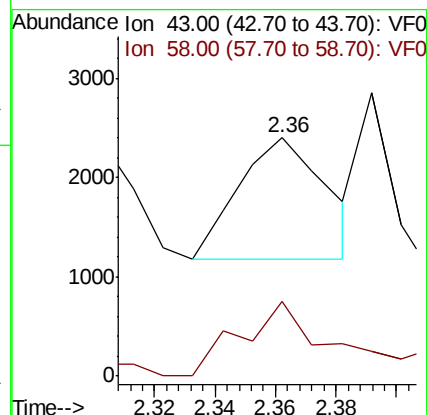
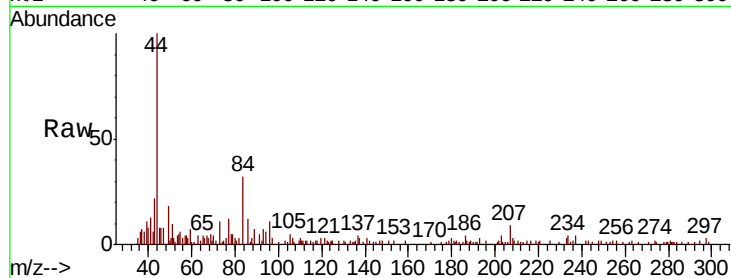




#16
Acetone
Concen: 1.617 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

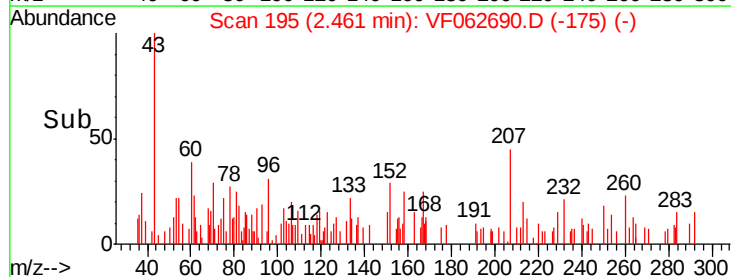
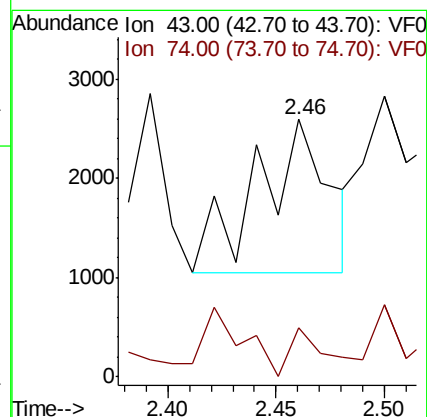
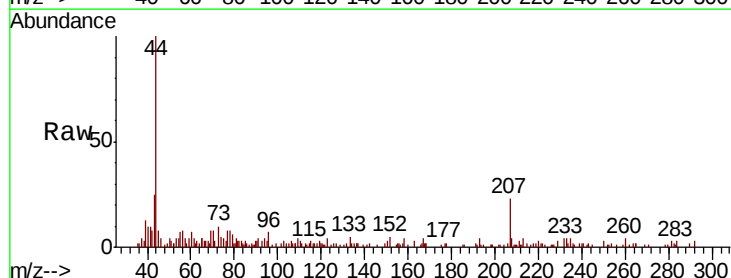
Instrument :
MSVOA_F
ClientSampleId :

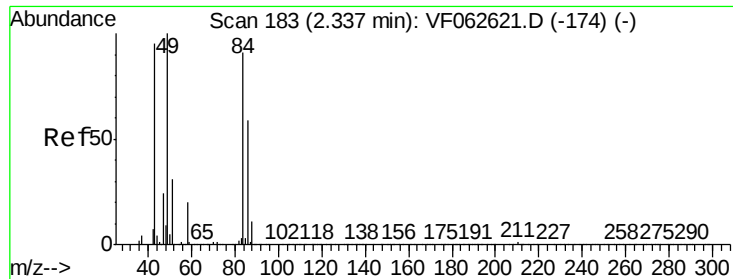
Tot Ion: 43 Resp: 2465
Ion Ratio Lower Upper
43 100
58 31.2 22.6 33.8



#18
Methyl Acetate
Concen: 1.481 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
74 18.9 18.9 28.3

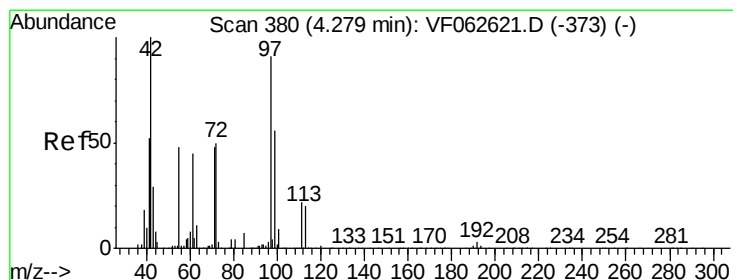
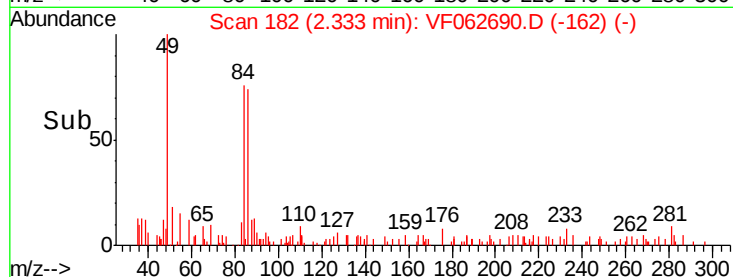
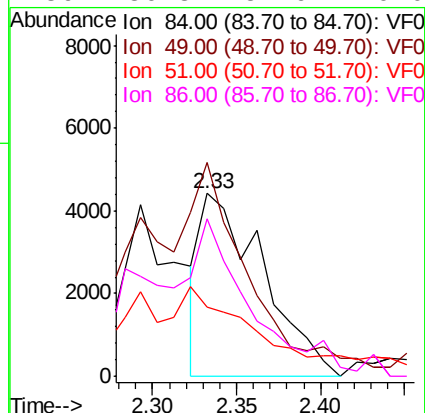
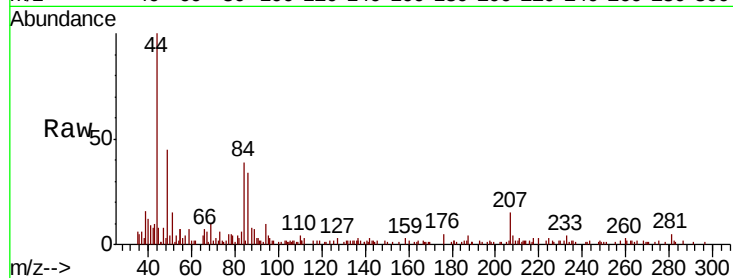




#20
Methvlene Chloride
Concen: 1.479 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

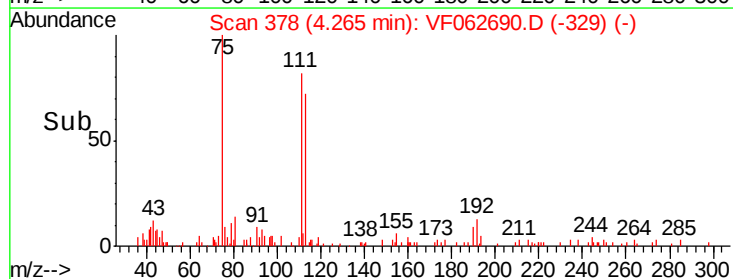
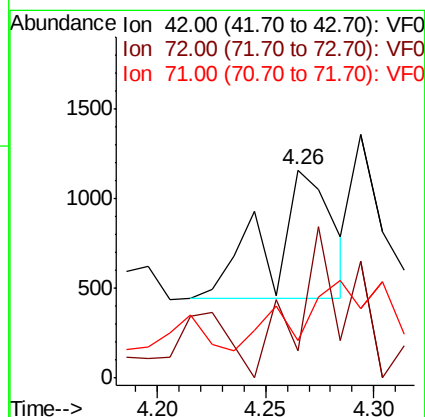
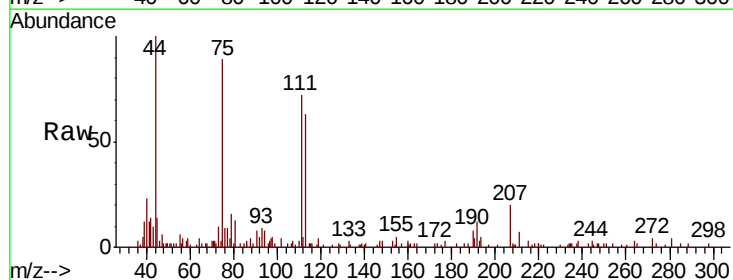
Instrument :
MSVOA_F
ClientSampleId :

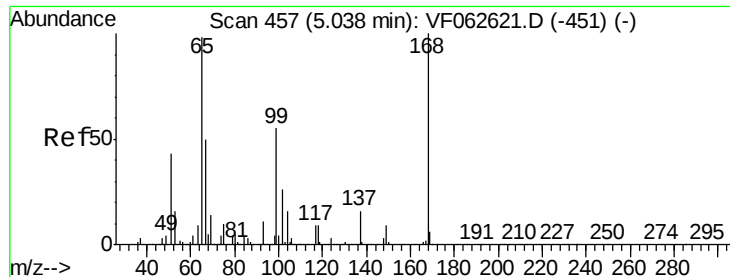
Tot Ion:	84	Resp:	11298
Ion	Ratio	Lower	Upper
84	100		
49	116.9	89.8	134.8
51	37.6	28.4	42.6
86	86.3	52.6	79.0#



#29
Tetrahydrofuran
Concen: 1.097 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

Tgt Ion:	42	Resp:	1445
Ion	Ratio	Lower	Upper
42	100		
72	93.8	38.2	57.2#
71	104.5	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 32.834 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

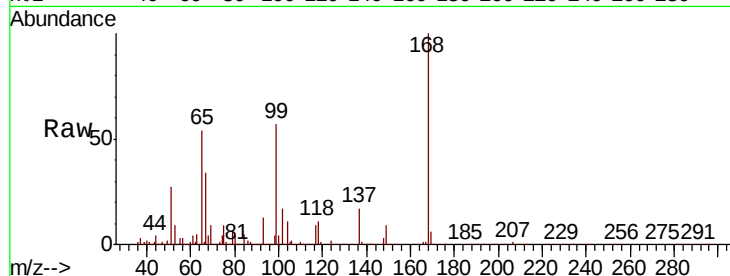
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 192909

Ion Ratio Lower Upper

65 100

67 61.8 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

80000

60000

40000

20000

0

Time-->

4.90 5.00 5.10 5.20

5.03

5.03

5.03

5.03

5.03

5.03

5.03

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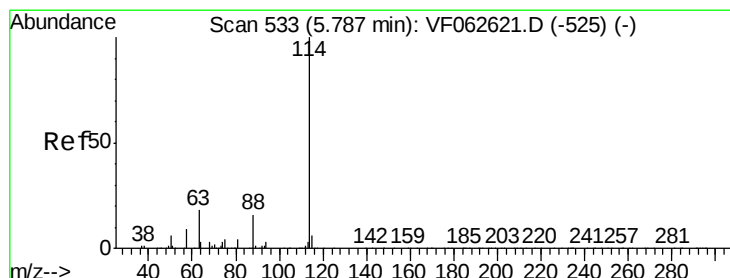
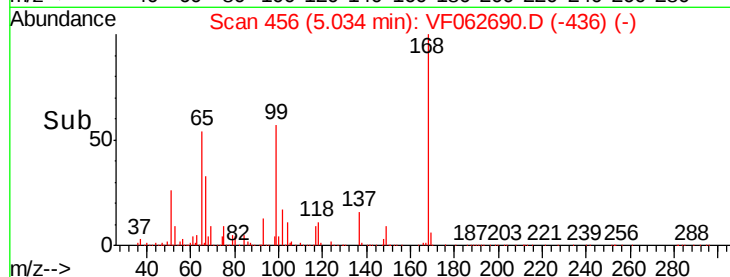
5.03

5.03

5.03

5.03

5.03



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

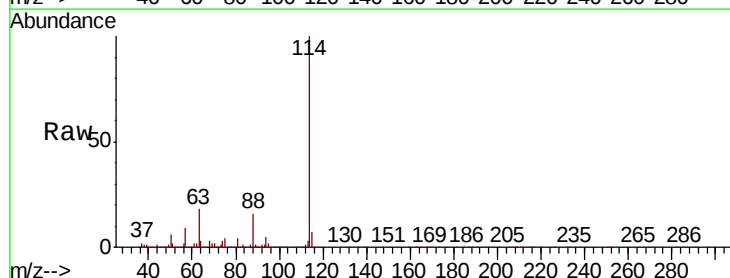
Tgt Ion: 114 Resp: 1398843

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.4

88 16.1 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

600000

400000

200000

0

Time-->

5.60 5.80 6.00

5.77

5.77

5.77

5.77

5.77

5.77

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5.77

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5.77

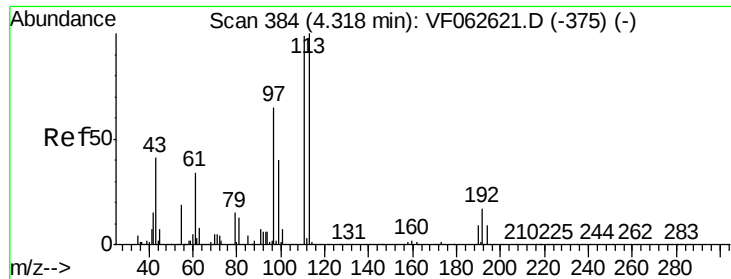
5.77

5.77

5.77

5.77

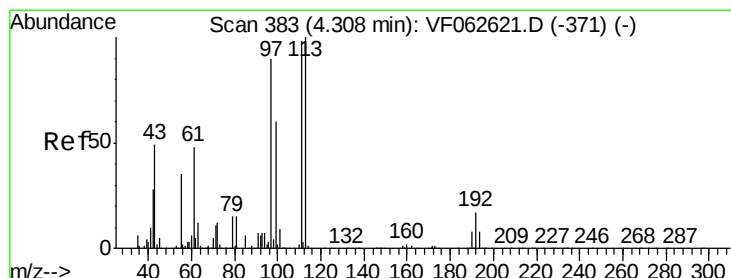
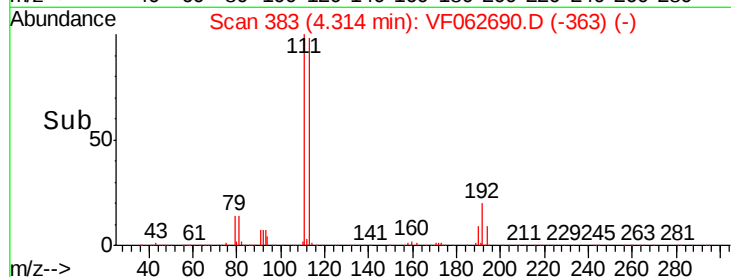
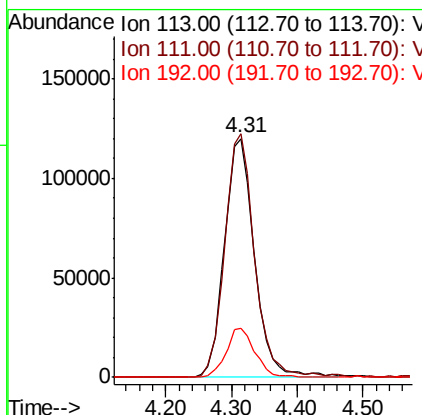
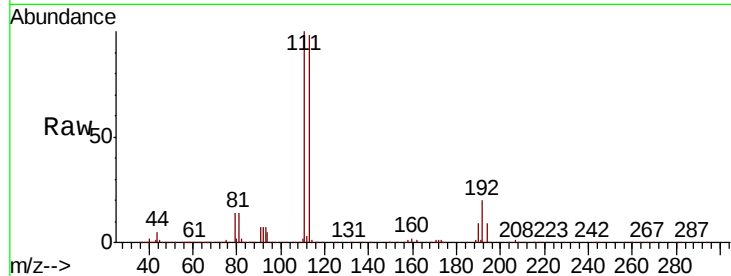
5.77



#35
Dibromofluoromethane
Concen: 35.921 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

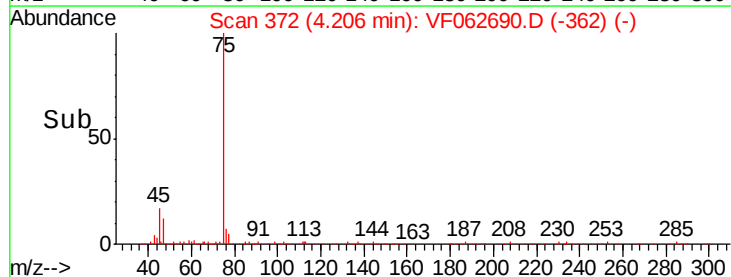
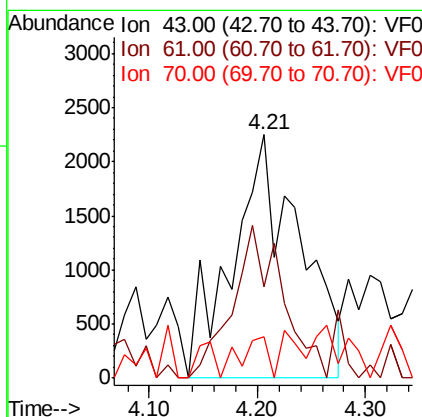
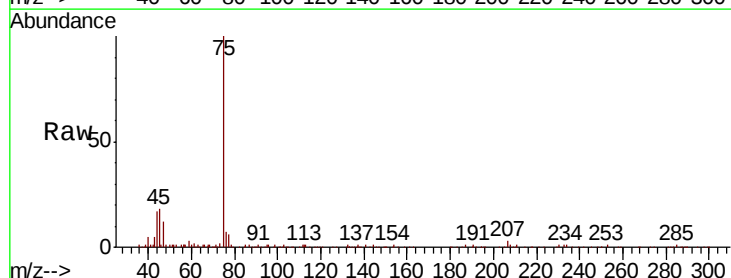
Instrument :
MSVOA_F
ClientSampleId :

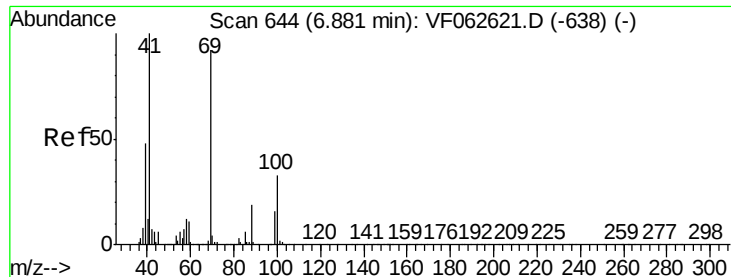
Tot Ion:113 Resp: 384496
Ion Ratio Lower Upper
113 100
111 101.8 79.4 119.2
192 20.4 13.4 20.2#



#37
Ethyl Acetate
Concen: 1.674 ug/l
RT: 4.21 min Scan# 372
Delta R.T. -0.10 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

Tgt Ion: 43 Resp: 9800
Ion Ratio Lower Upper
43 100
61 37.4 76.9 115.3#
70 17.1 8.8 13.2#





#49

1,4-Dioxane

Concen: 4.886 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

Instrument :
MSVOA_F
ClientSampleId :

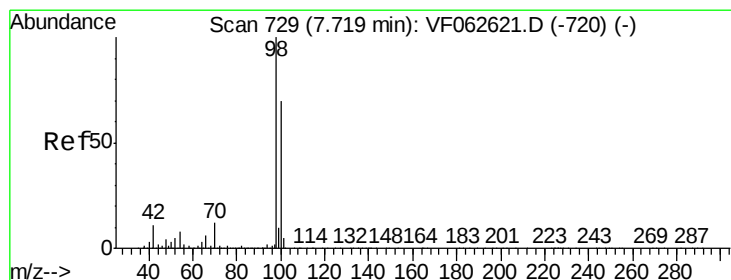
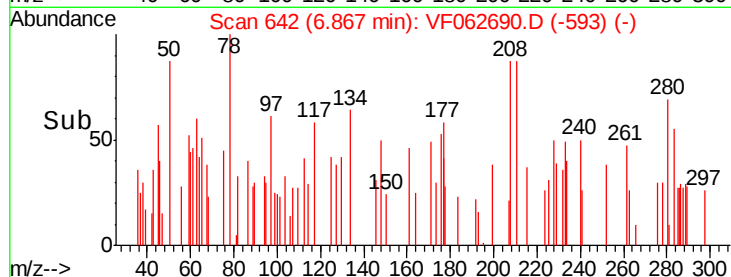
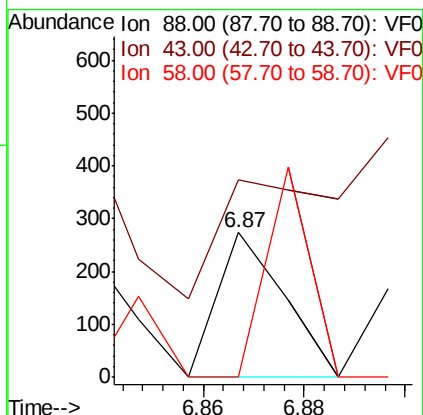
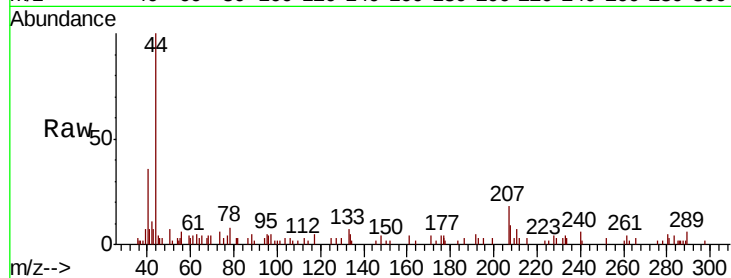
Tot Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 136.5 30.0 45.0#

58 0.0 51.1 76.7#



#50

Toluene-d8

Concen: 30.061 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062690.D

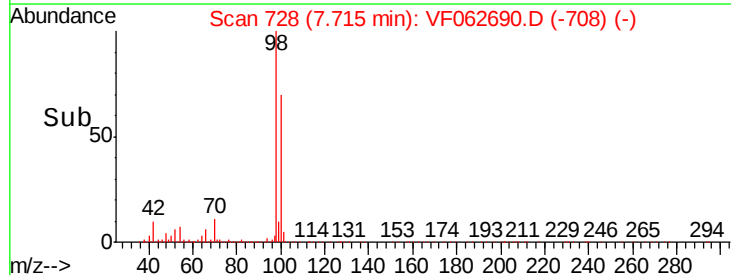
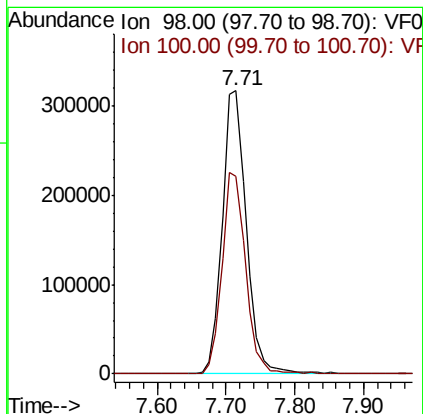
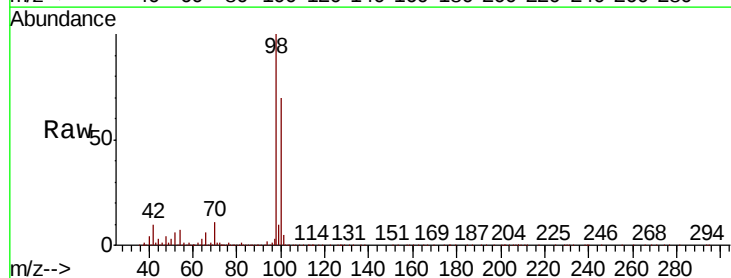
Acq: 21 May 2019 18:35

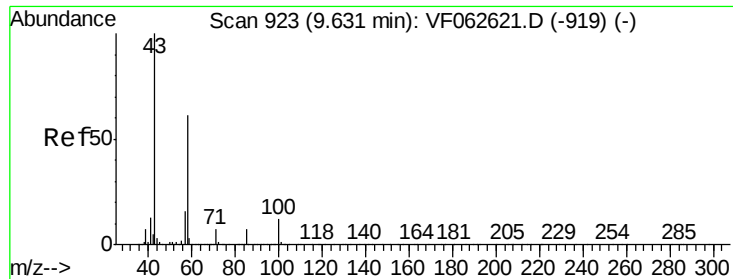
Tgt Ion: 98 Resp: 768272

Ion Ratio Lower Upper

98 100

100 70.0 56.2 84.2

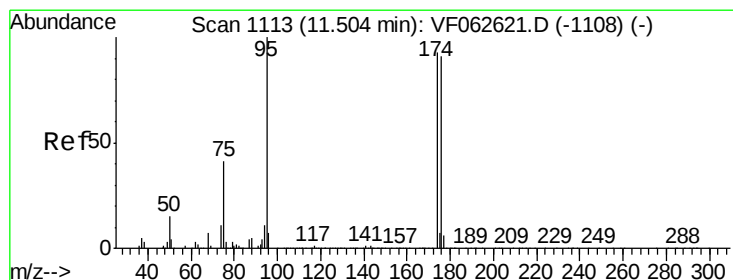
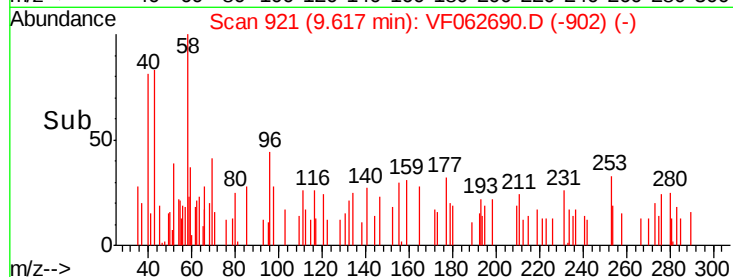
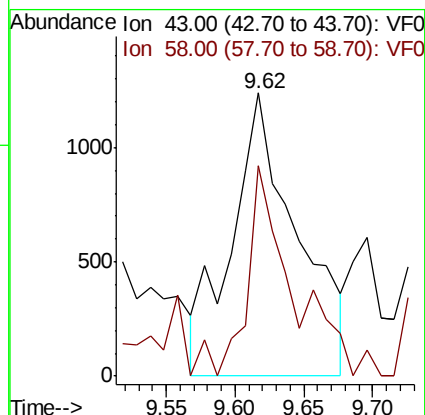
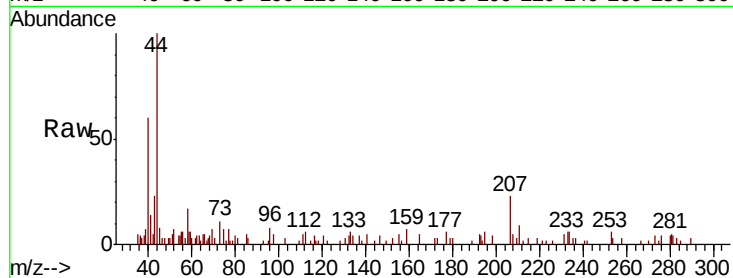




#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

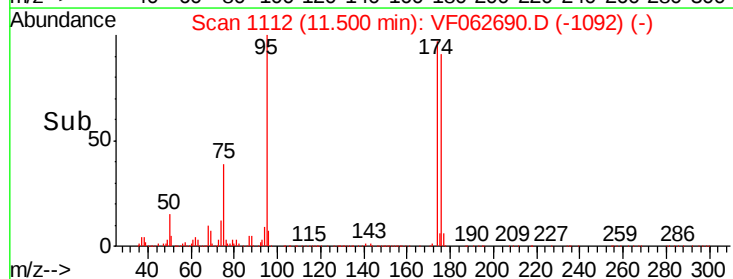
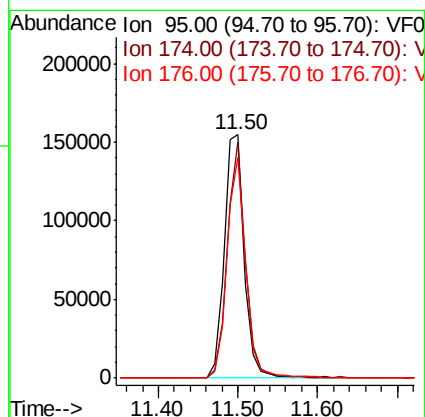
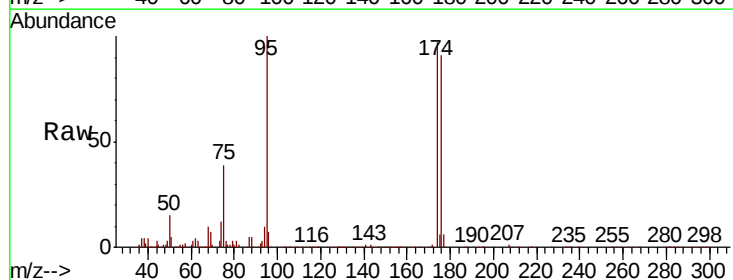
Instrument :
MSVOA_F
ClientSampleId :

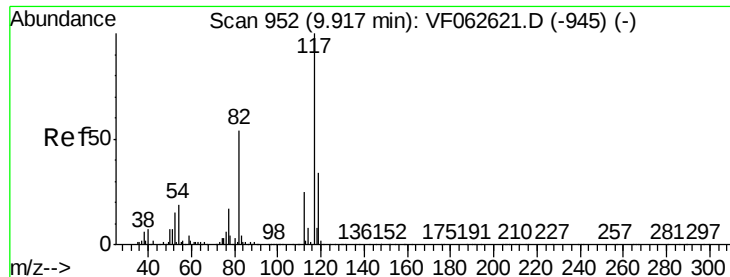
Tot Ion: 43 Resp: 4136
Ion Ratio Lower Upper
43 100
58 74.6 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 28.380 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

Tgt Ion: 95 Resp: 275082
Ion Ratio Lower Upper
95 100
174 96.8 0.0 185.6
176 90.7 0.0 182.4

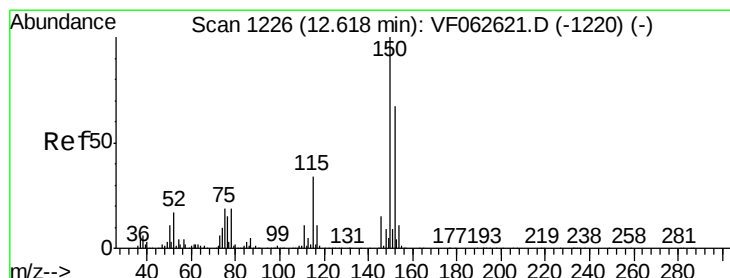
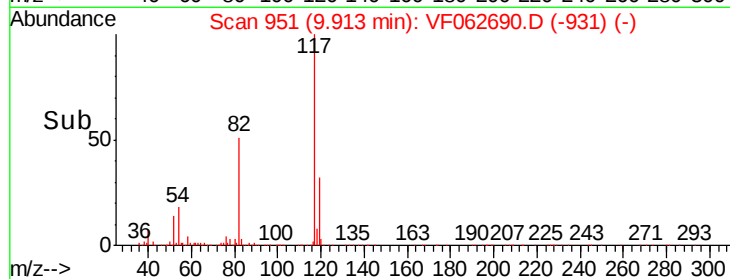
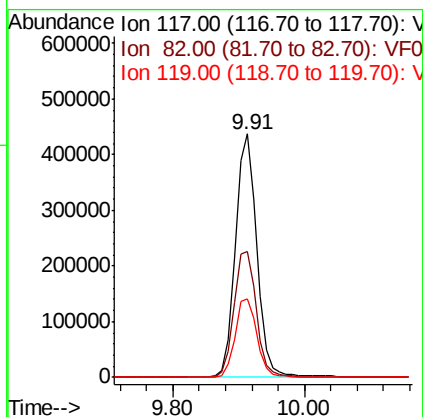
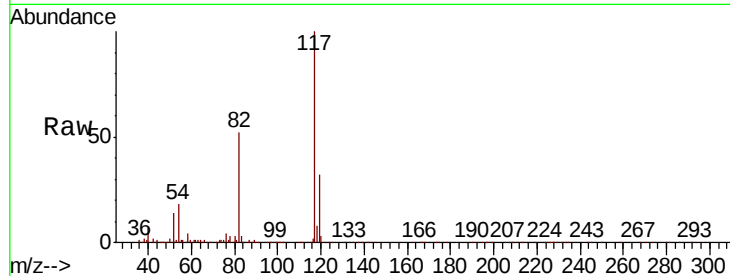




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

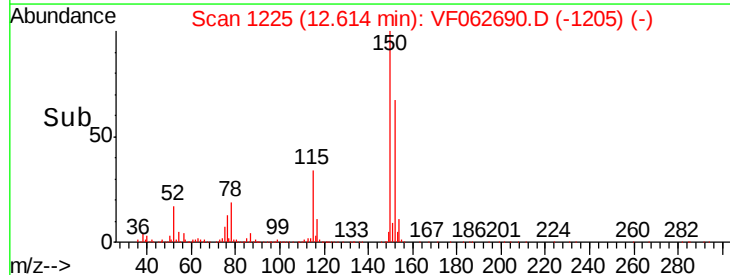
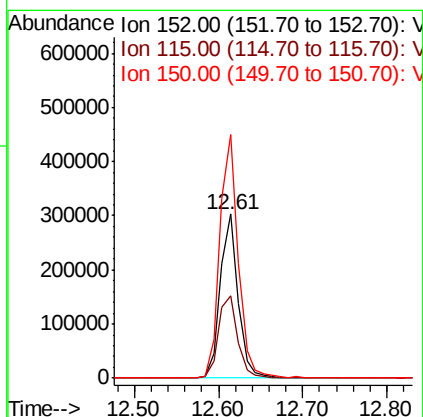
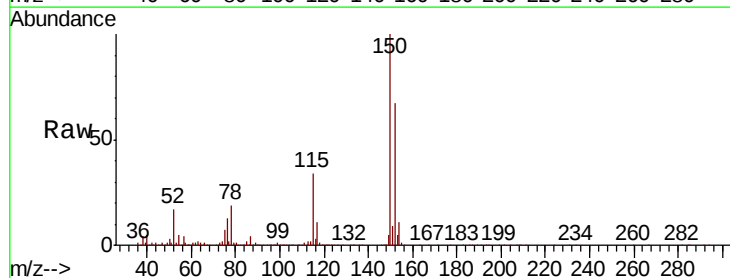
Instrument :
MSVOA_F
ClientSampled :

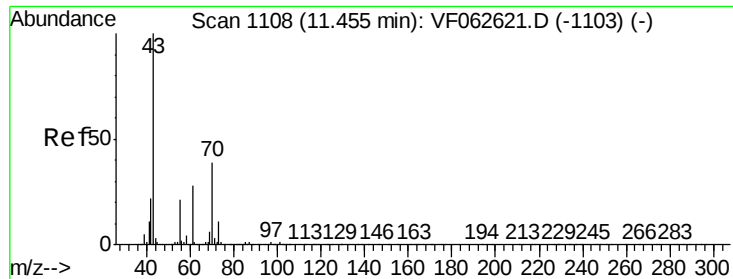
Tot Ion:117 Resp: 1000326
Ion Ratio Lower Upper
117 100
82 51.5 43.3 64.9
119 32.2 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062690.D
Acq: 21 May 2019 18:35

Tgt Ion:152 Resp: 447395
Ion Ratio Lower Upper
152 100
115 50.5 25.2 75.6
150 148.7 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062690.D

Acq: 21 May 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 20.9 17.0 25.4

61 24.8 22.6 34.0

