

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062791.D
 Acq On : 29 May 2019 19:34
 Operator : FY/SY
 Sample : K3084-09RE
 Misc : 6.05g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 30 08:43:29 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	760545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1282146	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	924019	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	433114	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	211817	39.41	ug/l	0.01
Spiked Amount 50.000			Recovery	=	78.82%	
35) Dibromofluoromethane	4.32	113	400847	40.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.72%	
50) Toluene-d8	7.73	98	887353	37.88	ug/l	0.01
Spiked Amount 50.000			Recovery	=	75.76%	
62) 4-Bromofluorobenzene	11.51	95	323668	36.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.86%	

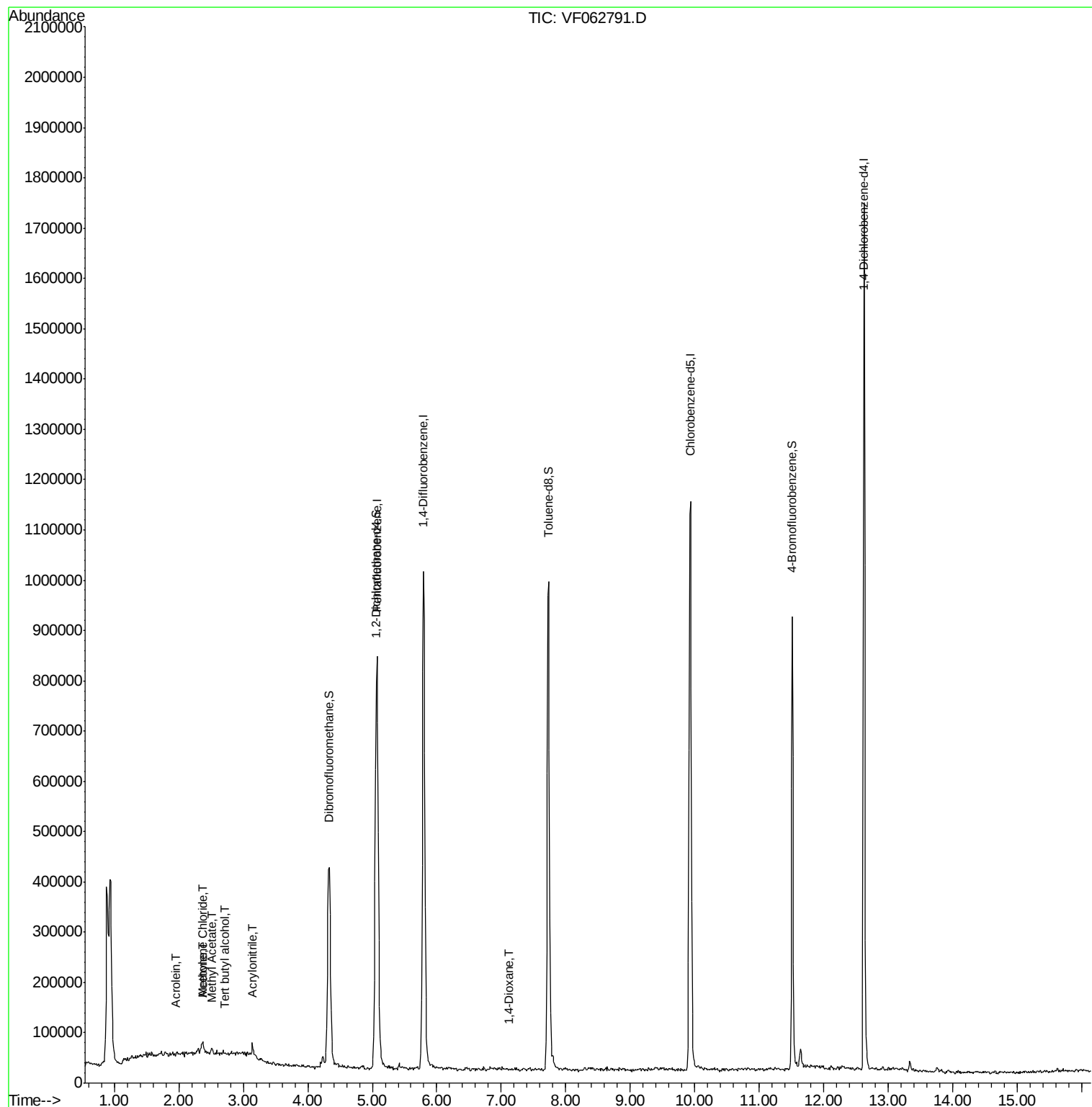
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1635	4.608	ug/l #	1
13) Acrolein	1.95	56	513	1.385	ug/l	87
15) Acrylonitrile	3.13	53	1452	1.451	ug/l	90
16) Acetone	2.36	43	27946	20.043	ug/l	90
18) Methyl Acetate	2.50	43	6761	3.086	ug/l #	73
20) Methylene Chloride	2.36	84	12264	1.755	ug/l #	88
49) 1,4-Dioxane	7.12	88	408	8.770	ug/l	88
59) 2-Hexanone	9.64	43	2947	Below Cal	#	61
74) N-amyl acetate	11.44	43	1083	Below Cal	#	12

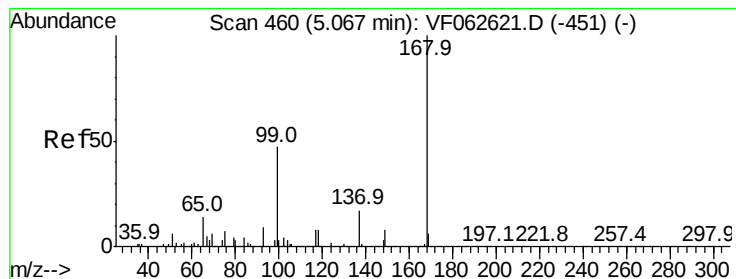
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062791.D

Acq: 29 May 2019 19:34

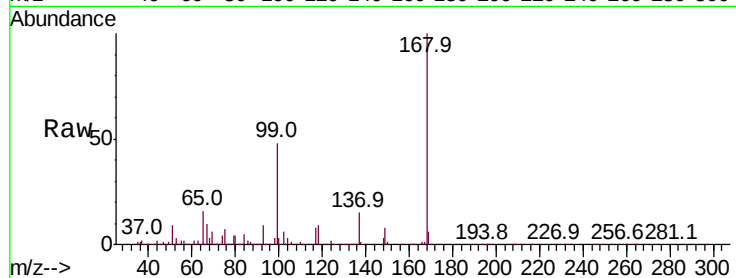
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 760545

Ion Ratio Lower Upper

168 100

99 48.0 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF062791.D (-439) (-)

Ion 99.00 (98.70 to 99.70): VF062791.D (-439) (-)

5.07

250000

200000

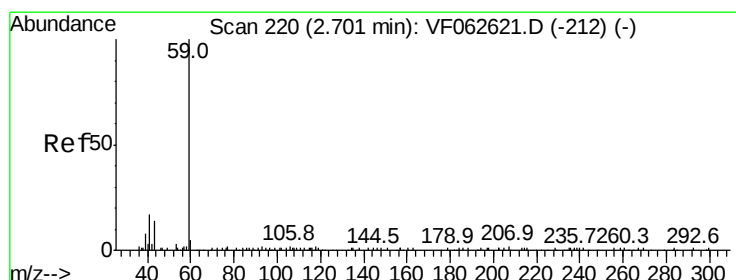
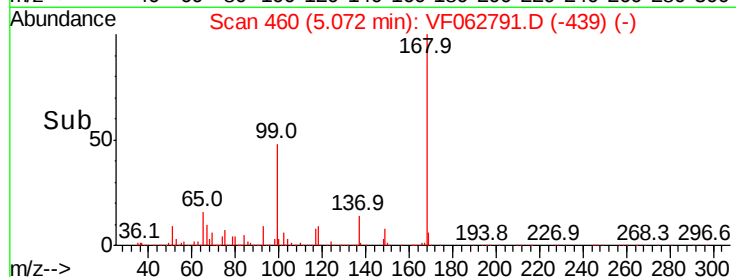
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.608 ug/l

RT: 2.71 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF062791.D

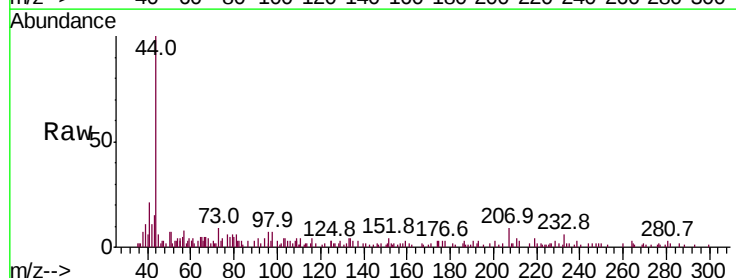
Acq: 29 May 2019 19:34

Tgt Ion: 59 Resp: 1635

Ion Ratio Lower Upper

59 100

57 107.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF062791.D (-199) (-)

Ion 57.00 (56.70 to 57.70): VF062791.D (-199) (-)

2.71

800

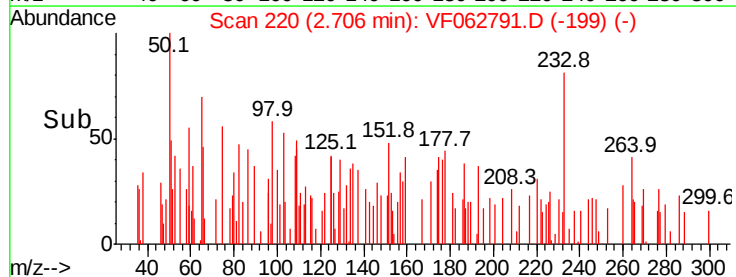
600

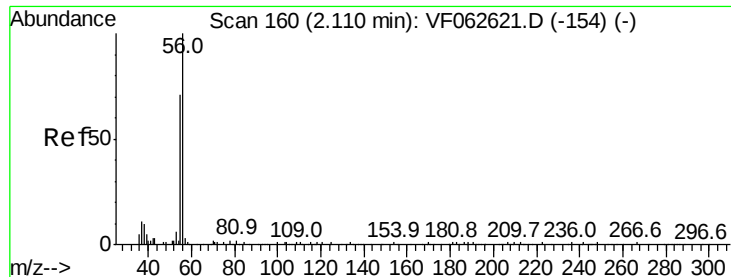
400

200

0

Time-->

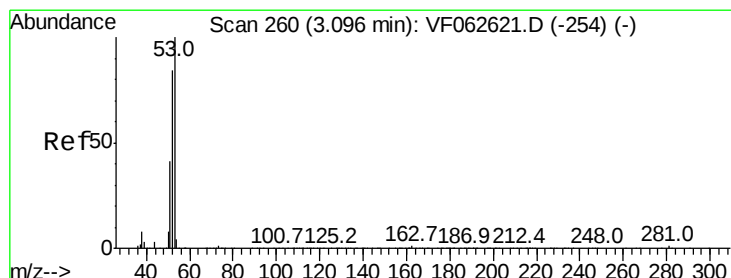
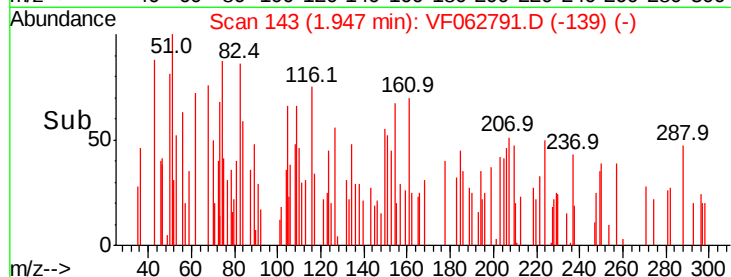
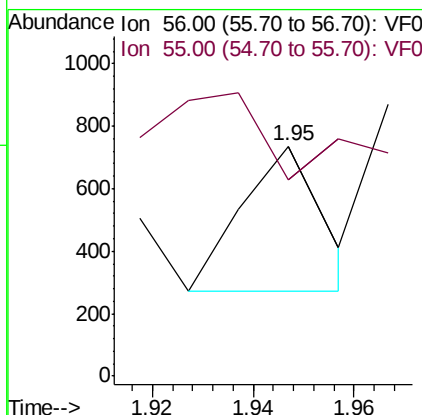
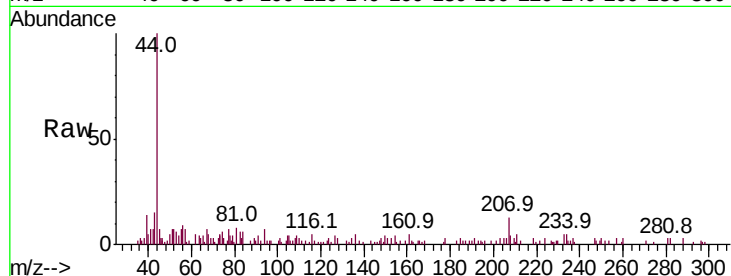




#13
Acrolein
Concen: 1.385 ug/l
RT: 1.95 min Scan# 143
Delta R.T. -0.16 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

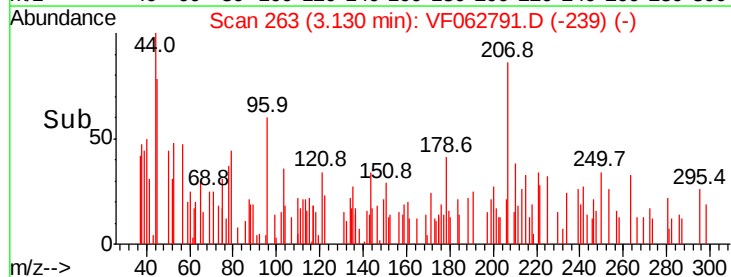
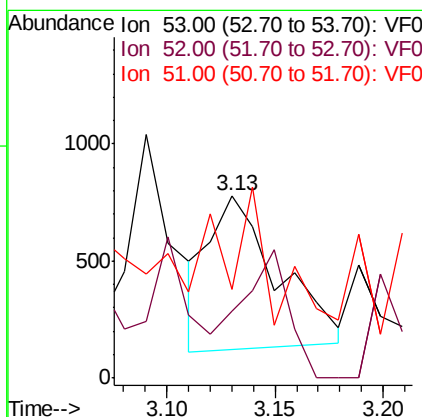
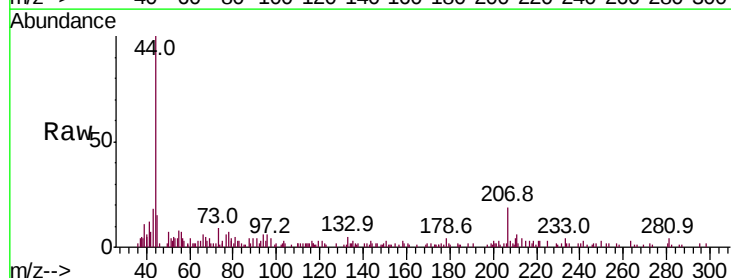
Instrument :
MSVOA_F
ClientSampleId :

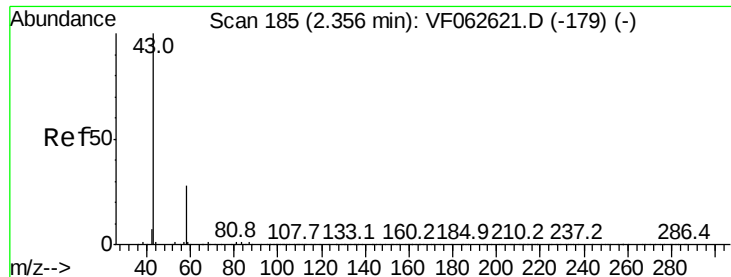
Tot Ion: 56 Resp: 513
Ion Ratio Lower Upper
56 100
55 85.6 59.4 89.0



#15
Acrylonitrile
Concen: 1.451 ug/l
RT: 3.13 min Scan# 263
Delta R.T. 0.03 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

Tgt Ion: 53 Resp: 1452
Ion Ratio Lower Upper
53 100
52 93.2 67.3 100.9
51 48.4 33.0 49.6





#16

Acetone

Concen: 20.043 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062791.D

Acq: 29 May 2019 19:34

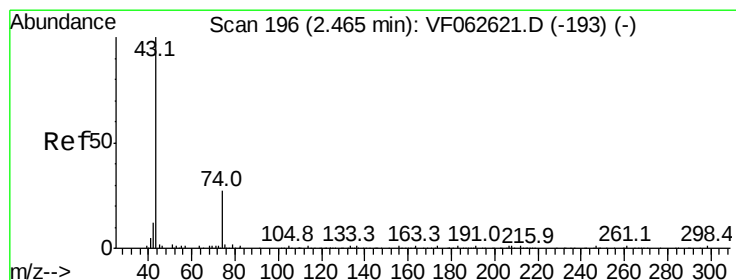
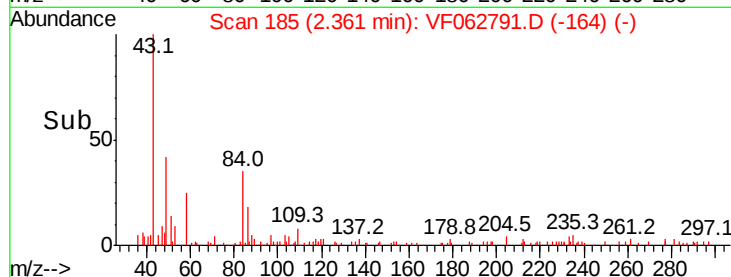
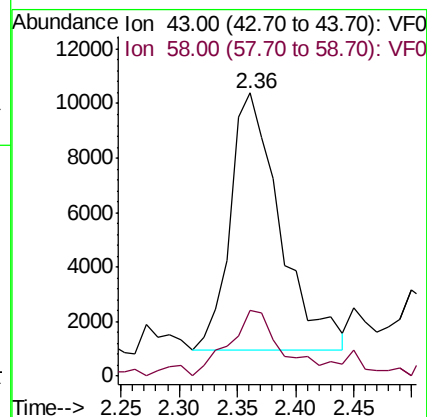
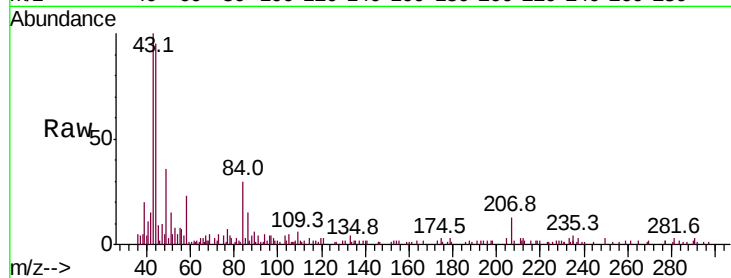
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 27946

Ion Ratio Lower Upper

43 100

58 23.1 22.6 33.8



#18

Methyl Acetate

Concen: 3.086 ug/l

RT: 2.50 min Scan# 199

Delta R.T. 0.03 min

Lab File: VF062791.D

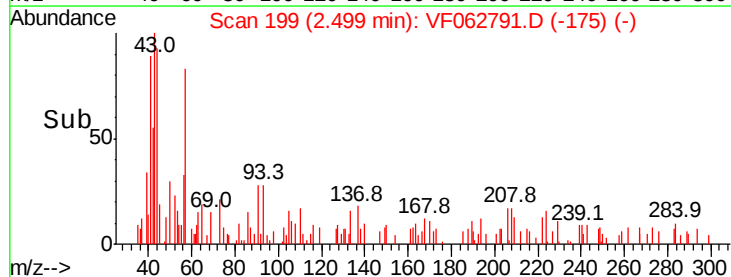
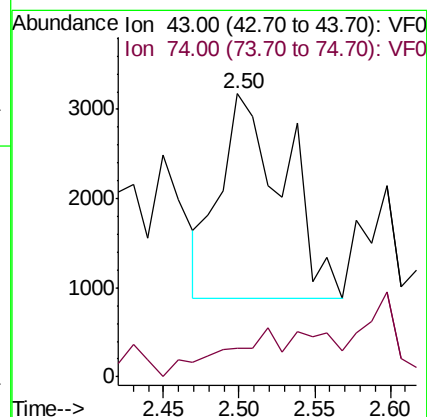
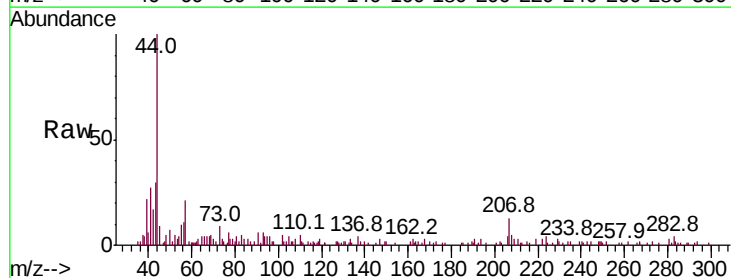
Acq: 29 May 2019 19:34

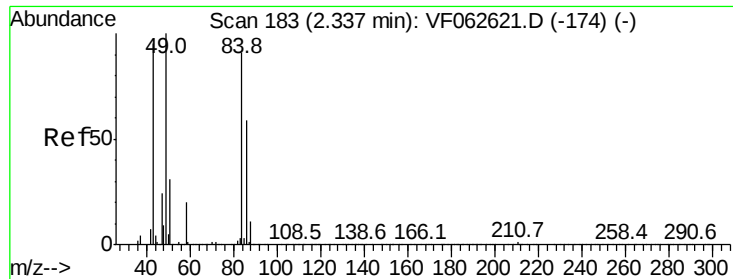
Tgt Ion: 43 Resp: 6761

Ion Ratio Lower Upper

43 100

74 10.3 18.9 28.3#

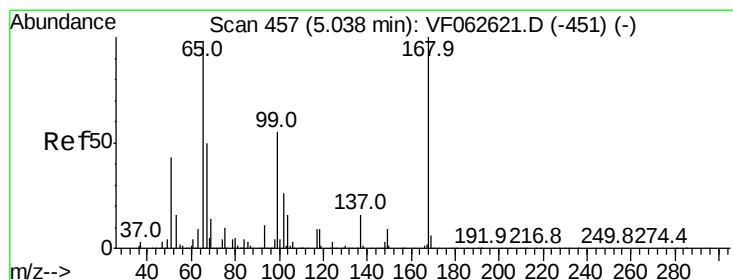
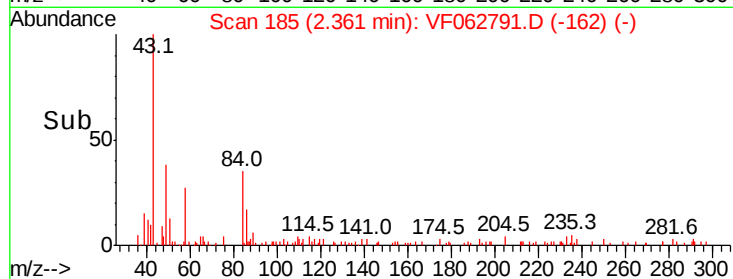
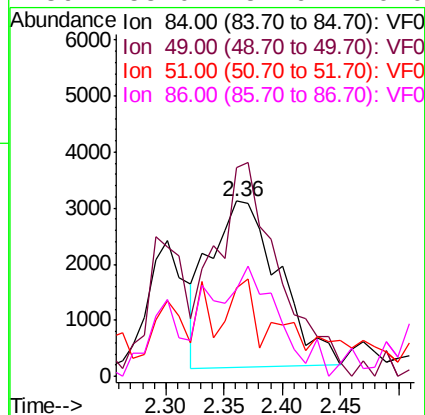
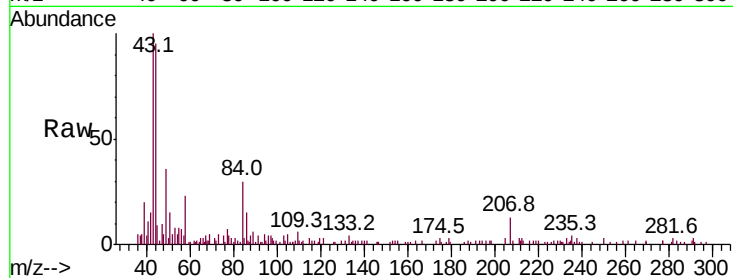




#20
Methvlene Chloride
Concen: 1.755 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

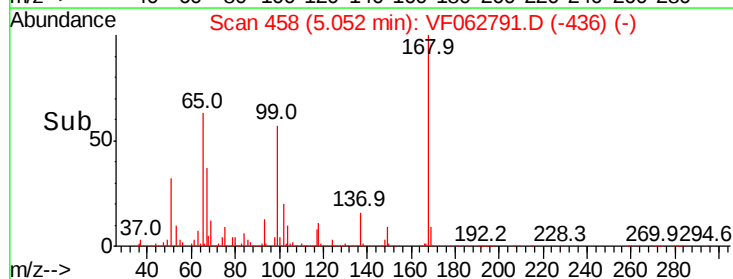
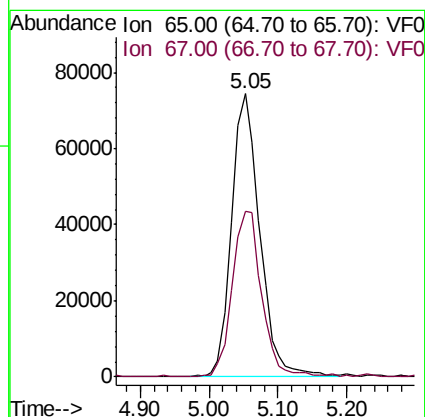
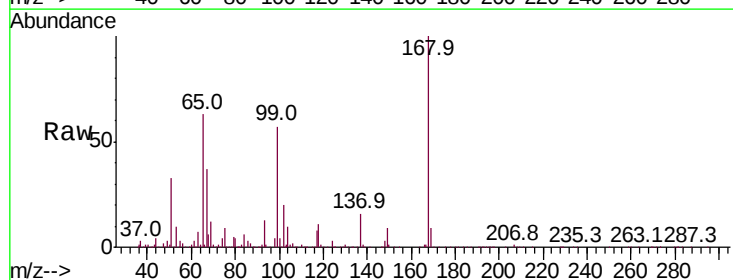
Instrument :
MSVOA_F
ClientSampleId :

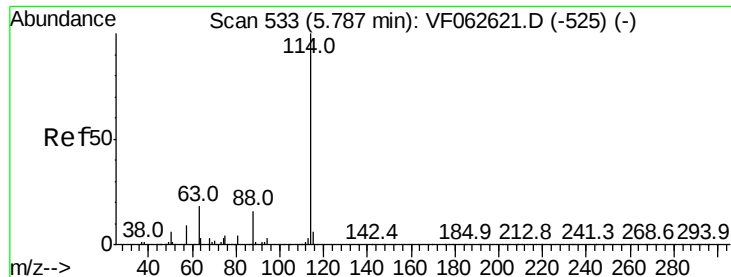
Tot Ion: 84 Resp: 12264
Ion Ratio Lower Upper
84 100
49 118.8 89.8 134.8
51 50.3 28.4 42.6#
86 55.0 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 39.412 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

Tgt Ion: 65 Resp: 211817
Ion Ratio Lower Upper
65 100
67 58.6 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: VF062791.D

Acq: 29 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

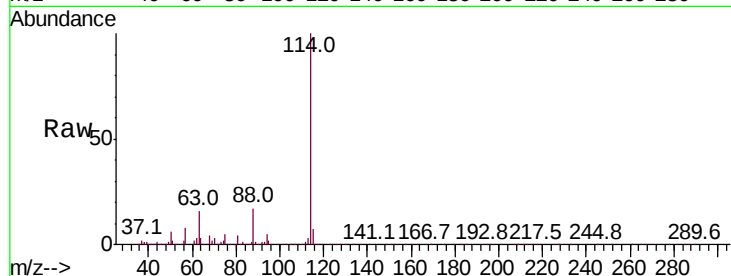
Tot Ion:114 Resp: 1282146

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.4

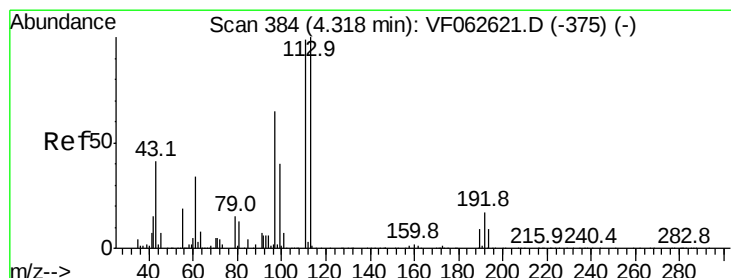
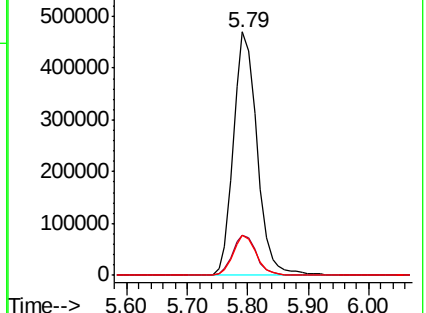
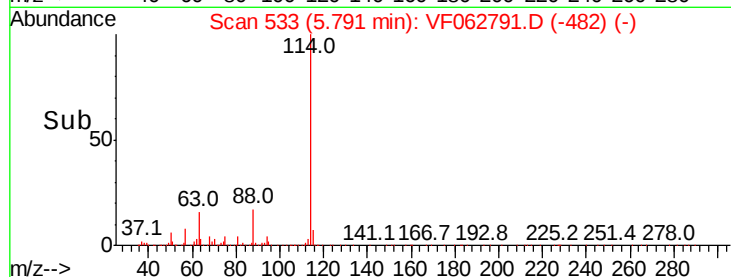
88 16.7 0.0 32.4



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: 40.857 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062791.D

Acq: 29 May 2019 19:34

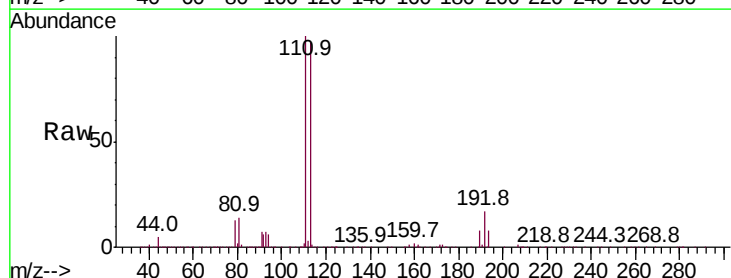
Tgt Ion:113 Resp: 400847

Ion Ratio Lower Upper

113 100

111 102.6 79.4 119.2

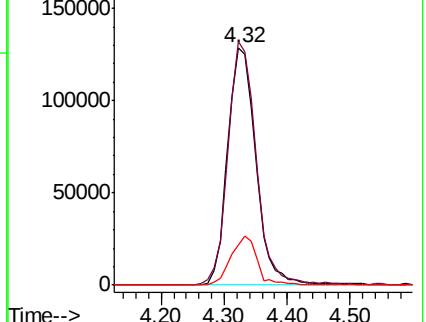
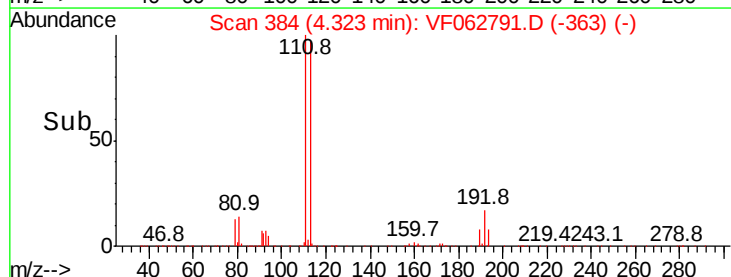
192 17.1 13.4 20.2

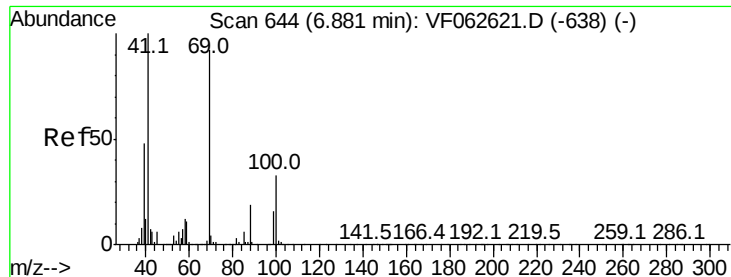


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

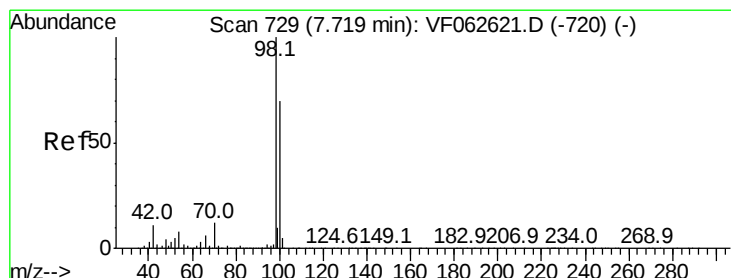
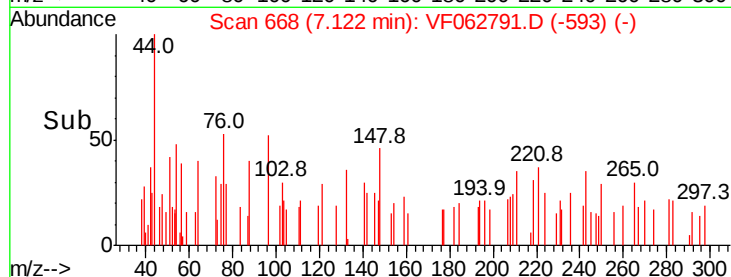
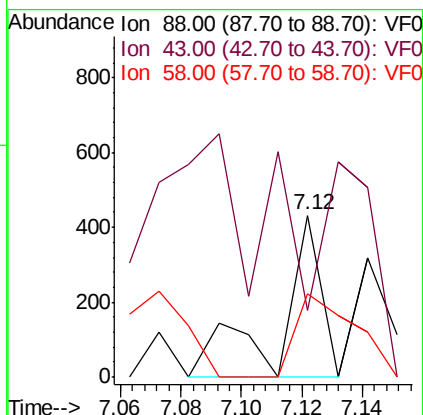
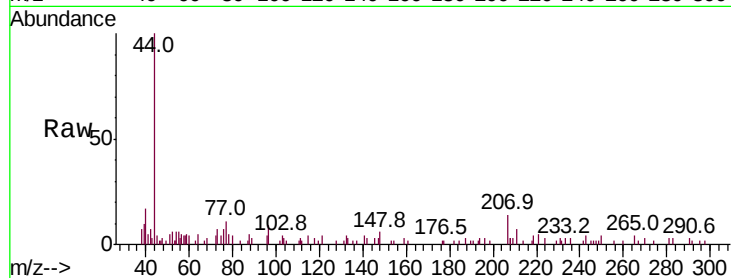




#49
1,4-Dioxane
Concen: 8.770 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.24 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

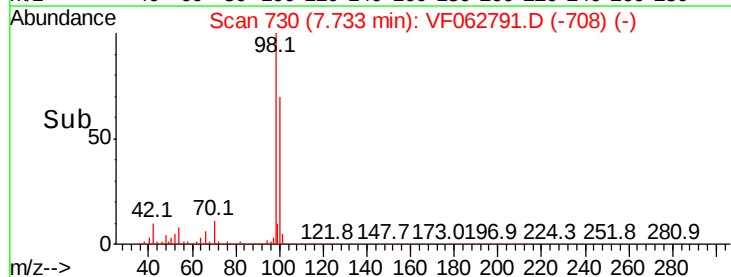
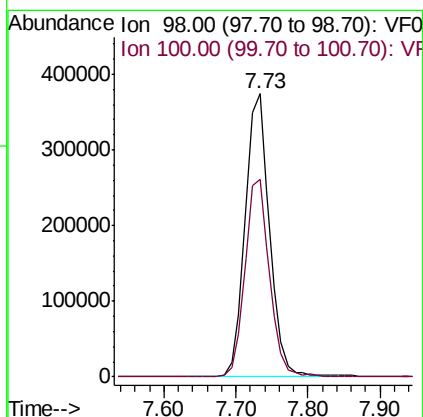
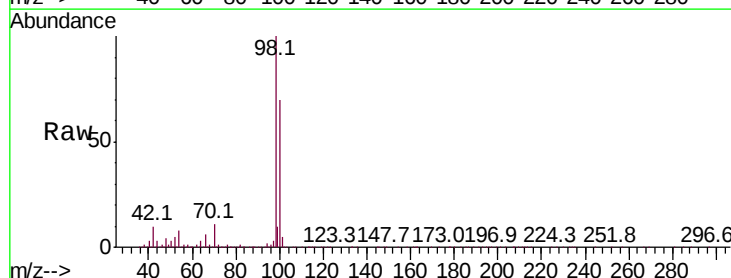
Instrument :
MSVOA_F
ClientSampleId :

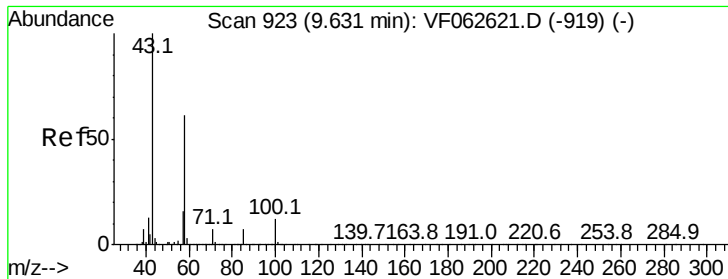
Tot Ion: 88 Resp: 408
Ion Ratio Lower Upper
88 100
43 41.4 30.0 45.0
58 51.6 51.1 76.7



#50
Toluene-d8
Concen: 37.881 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

Tgt Ion: 98 Resp: 887353
Ion Ratio Lower Upper
98 100
100 69.7 56.2 84.2

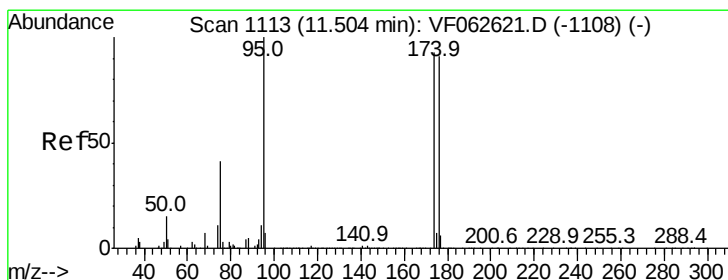
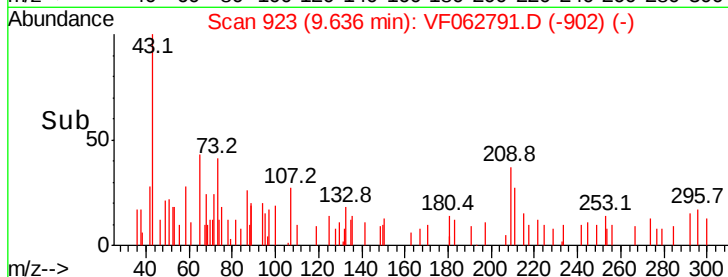
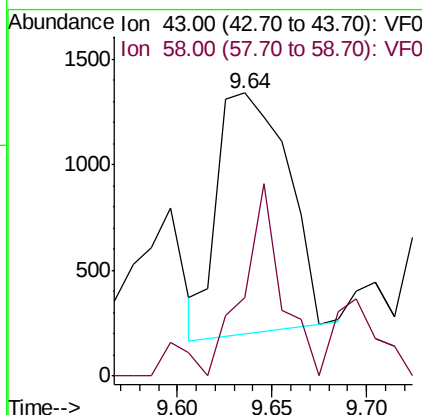
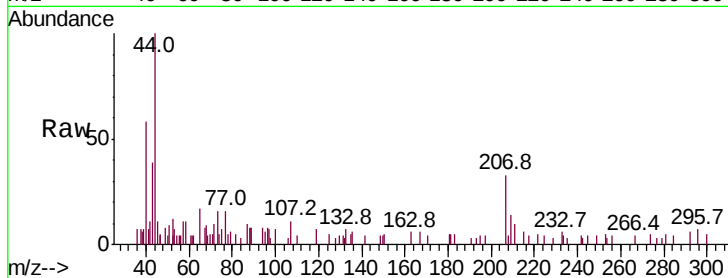




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

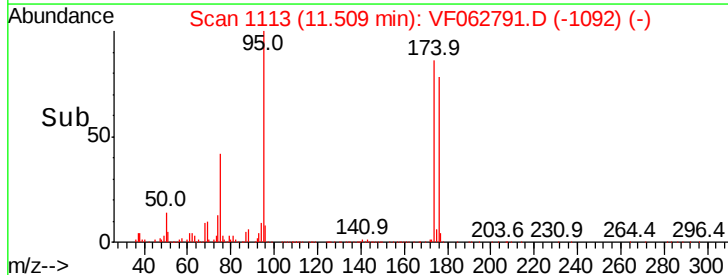
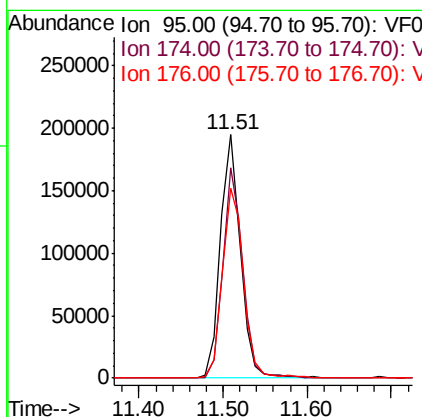
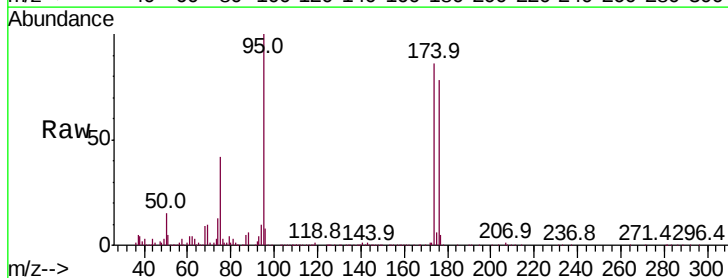
Instrument :
MSVOA_F
ClientSampleId :

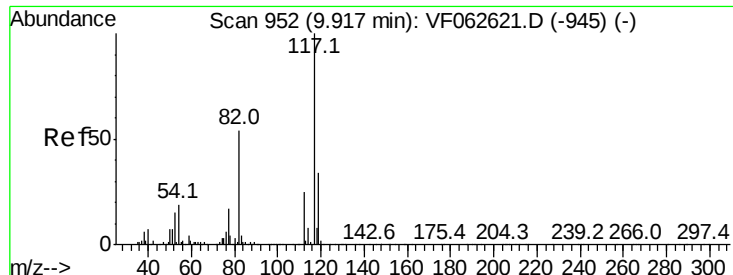
Tot Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
58 27.9 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 36.431 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

Tgt Ion: 95 Resp: 323668
Ion Ratio Lower Upper
95 100
174 86.3 0.0 185.6
176 78.0 0.0 182.4

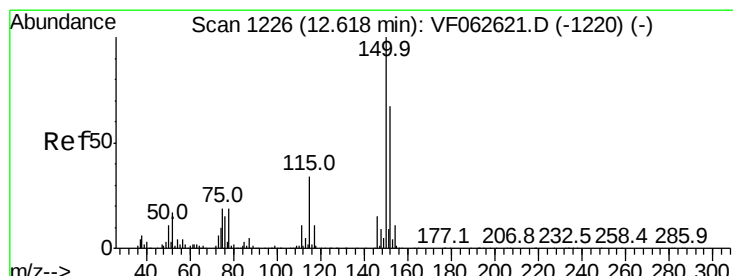
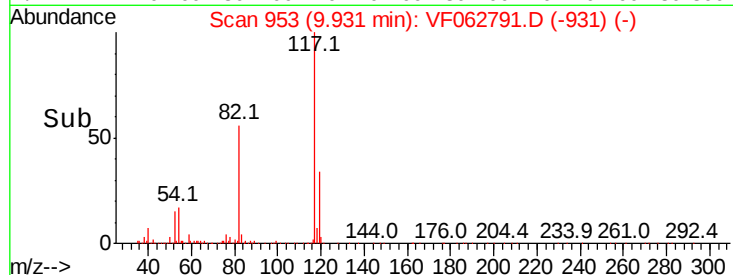
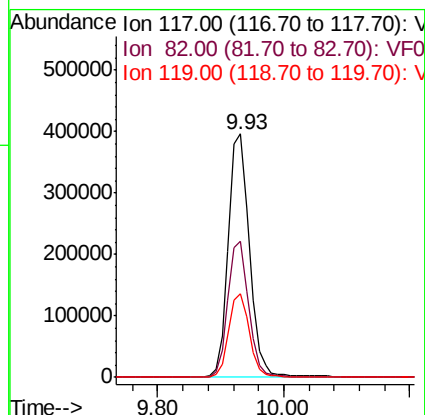
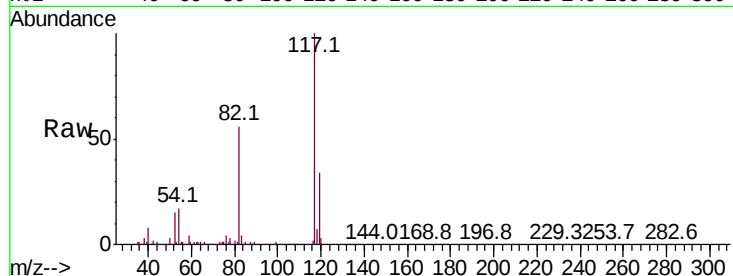




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

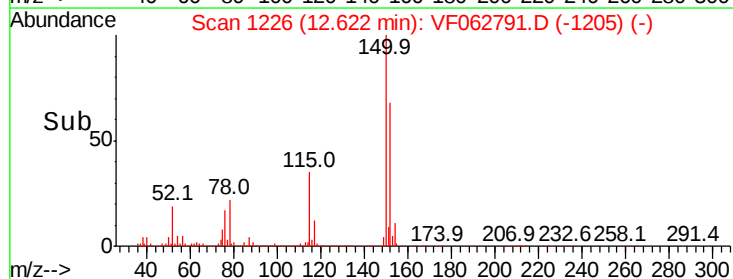
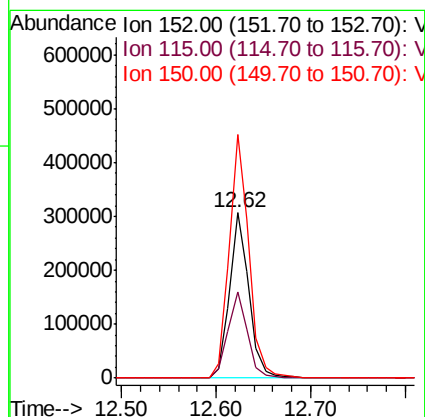
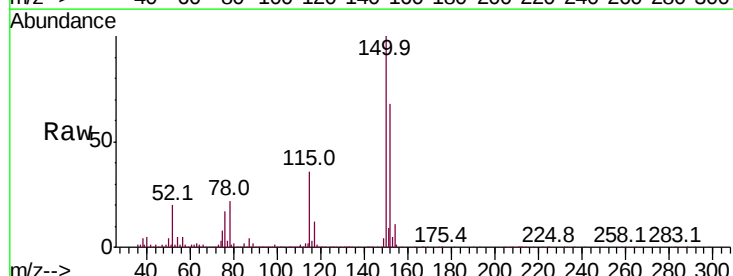
Instrument :
MSVOA_F
ClientSampleId :

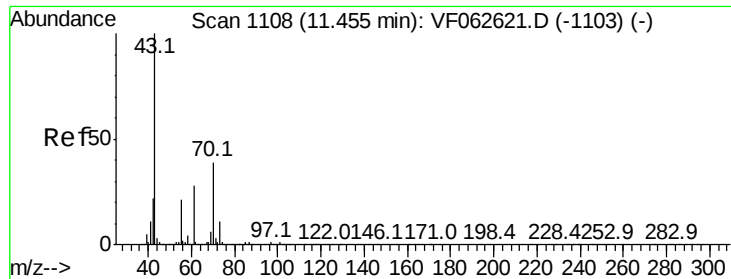
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.3	64.9
119	34.3	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062791.D
Acq: 29 May 2019 19:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	25.2	75.6
150	147.4	0.0	306.2





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.44 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VF062791.D
 Acq: 29 May 2019 19:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 1083
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.9 46.3#
 55 105.1 17.0 25.4#
 61 0.0 22.6 34.0#

