

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062692.D
 Acq On : 21 May 2019 19:31
 Operator : FY/SY
 Sample : K2971-10RE
 Misc : 5.57g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-10-052019RE

Quant Time: May 22 03:58:05 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	679772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1102987	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	793257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	377062	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	176566	36.76	ug/l	0.00
Spiked Amount			Recovery	=	73.52%	
35) Dibromofluoromethane	4.31	113	317985	37.68	ug/l	0.00
Spiked Amount			Recovery	=	75.36%	
50) Toluene-d8	7.71	98	633680	31.45	ug/l	0.00
Spiked Amount			Recovery	=	62.90%	
62) 4-Bromofluorobenzene	11.50	95	233285	30.52	ug/l	0.00
Spiked Amount			Recovery	=	61.04%	

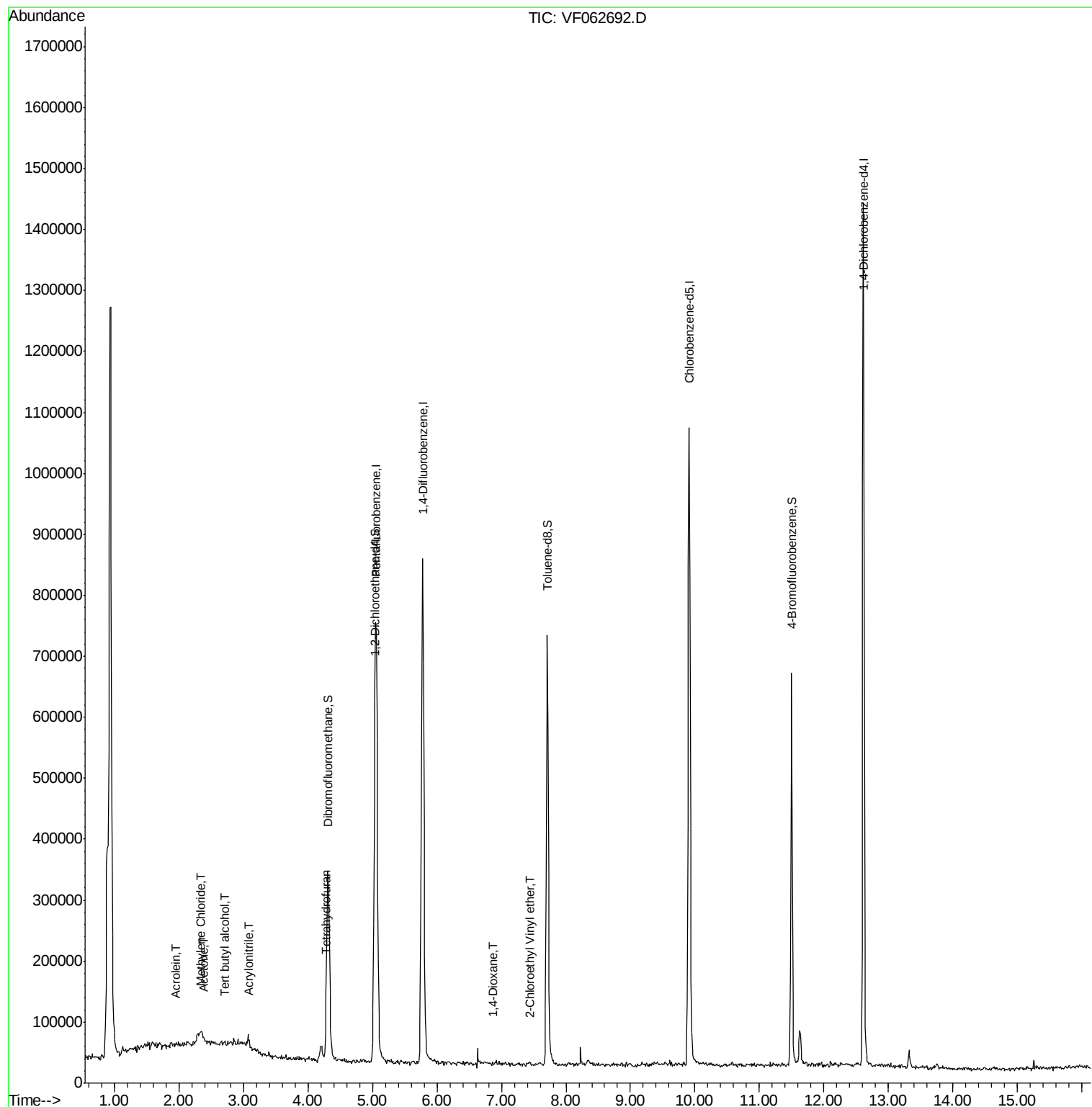
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1059	3.339	ug/l #	1
13) Acrolein	1.95	56	1937	5.851	ug/l	87
15) Acrylonitrile	3.10	53	929	1.038	ug/l #	16
16) Acetone	2.39	43	2707	2.172	ug/l	99
20) Methylene Chloride	2.35	84	18434	2.951	ug/l	96
29) Tetrahydrofuran	4.27	42	1451	1.347	ug/l #	62
49) 1,4-Dioxane	6.85	88	312	7.795	ug/l #	53
58) 2-Chloroethyl Vinyl ether	7.45	63	2384	1.286	ug/l #	64
59) 2-Hexanone	9.54	43	1692	Below Cal		65
74) N-amyl acetate	11.45	43	1235	Below Cal	#	51

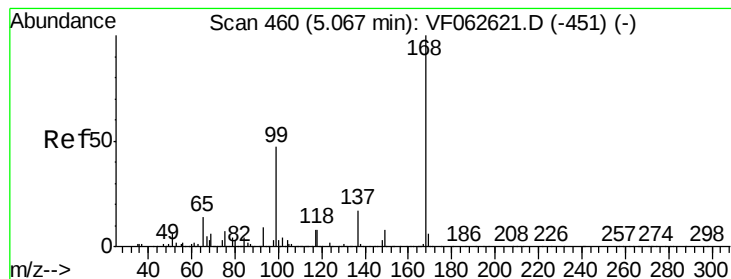
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

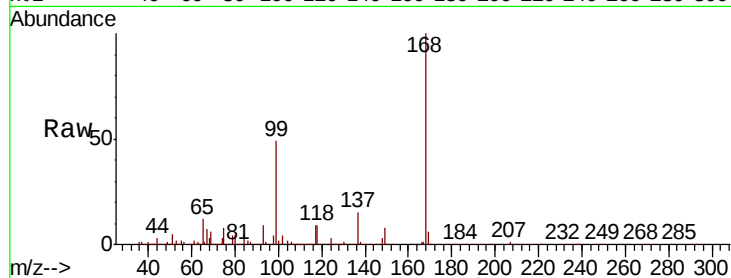
SUP-2A-G-10-052019RE

Tot Ion:168 Resp: 679772

Ion Ratio Lower Upper

168 100

99 48.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

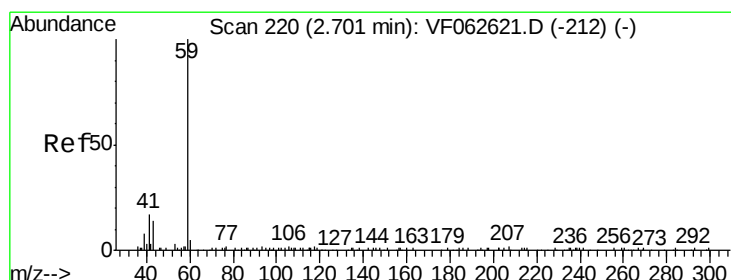
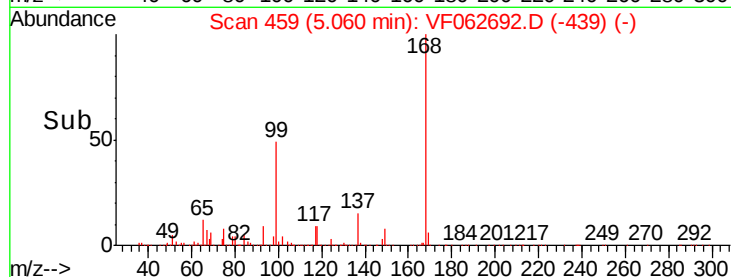
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.339 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062692.D

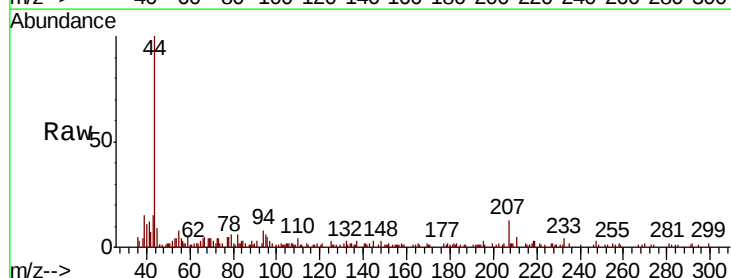
Acq: 21 May 2019 19:31

Tgt Ion: 59 Resp: 1059

Ion Ratio Lower Upper

59 100

57 81.4 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

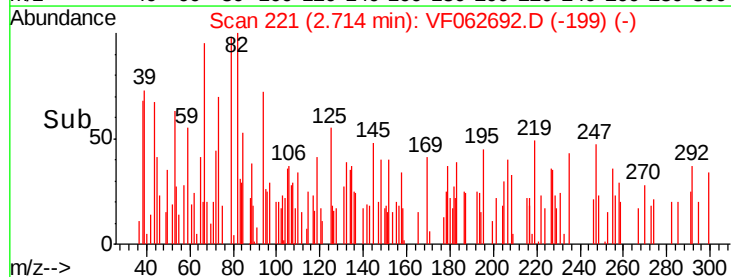
600

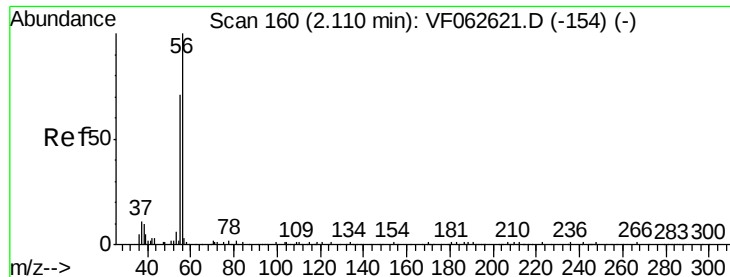
400

200

0

Time-->





#13

Acrolein

Concen: 5.851 ug/l

RT: 1.95 min Scan# 143

Delta R.T. -0.16 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

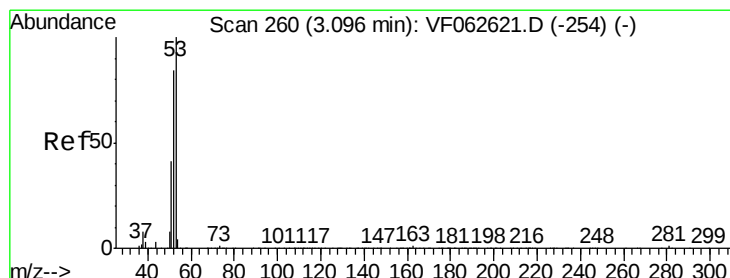
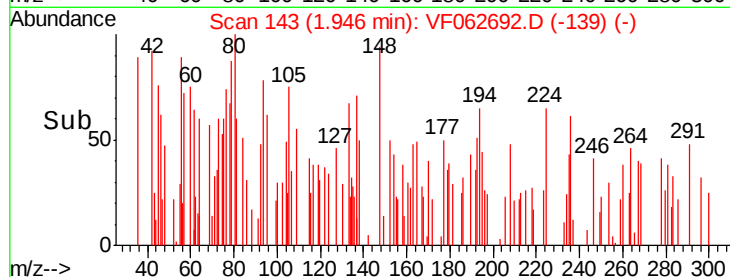
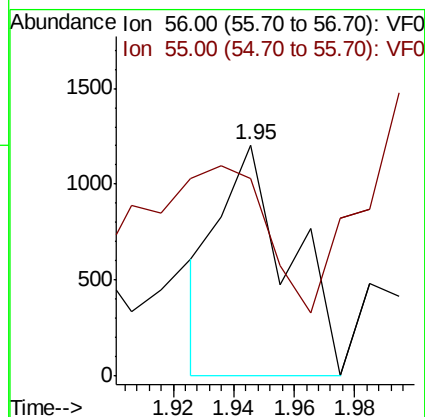
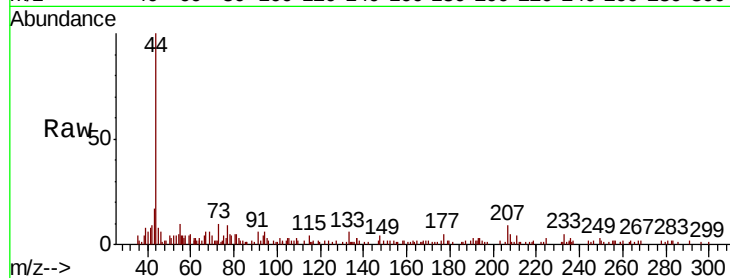
SUP-2A-G-10-052019RE

Tot Ion: 56 Resp: 1937

Ion Ratio Lower Upper

56 100

55 85.2 59.4 89.0



#15

Acrylonitrile

Concen: 1.038 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

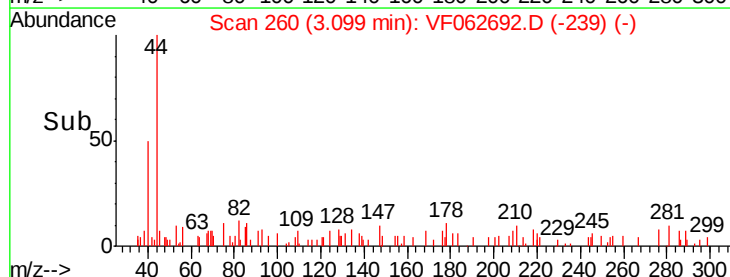
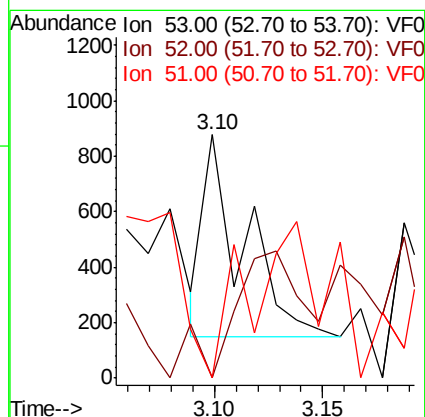
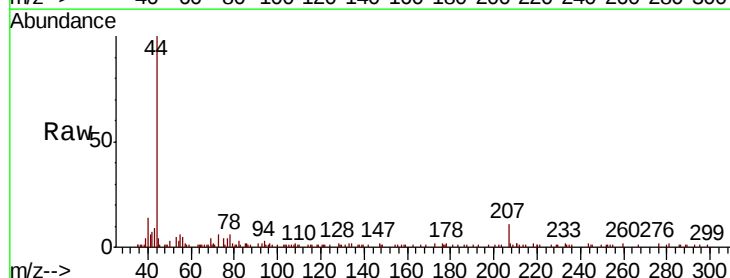
Tgt Ion: 53 Resp: 929

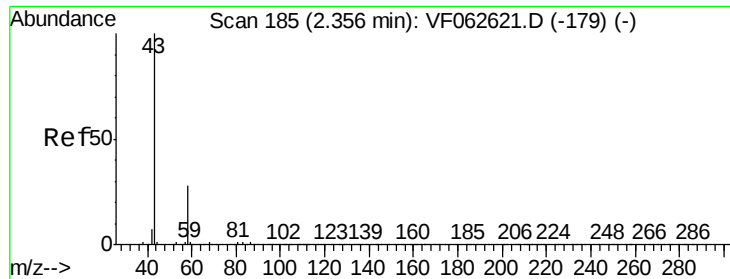
Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

51 0.0 33.0 49.6#





#16

Acetone

Concen: 2.172 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.03 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

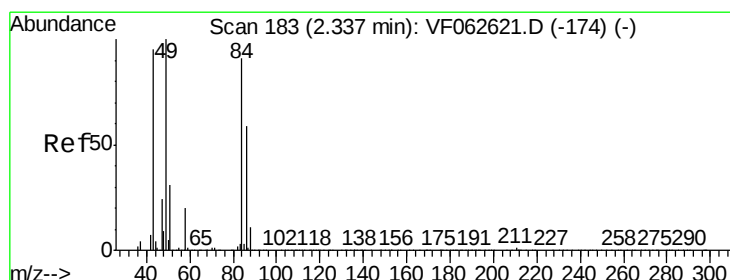
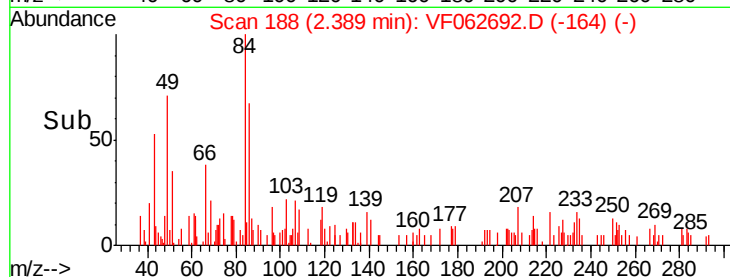
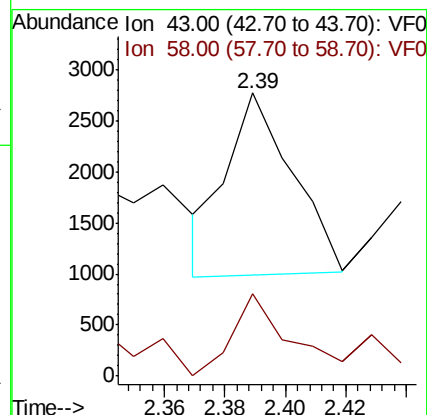
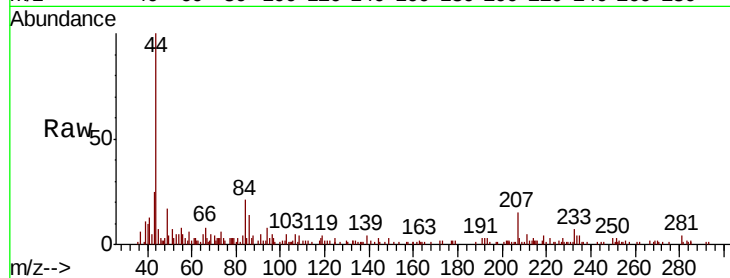
SUP-2A-G-10-052019RE

Tot Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

58 29.0 22.6 33.8



#20

Methylene Chloride

Concen: 2.951 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Tgt Ion: 84 Resp: 18434

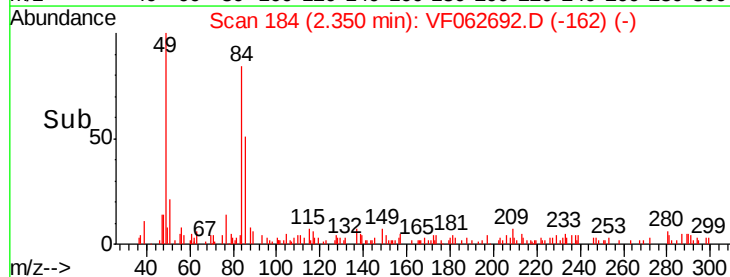
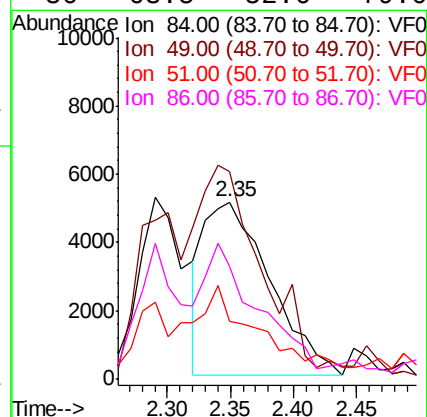
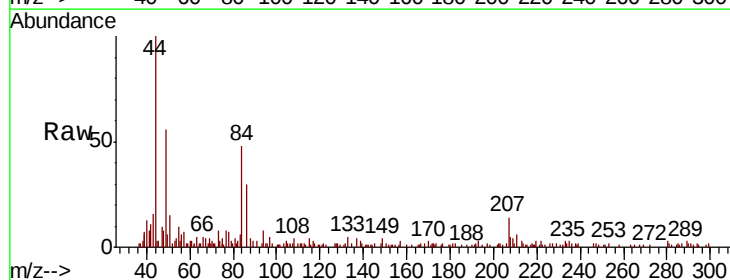
Ion Ratio Lower Upper

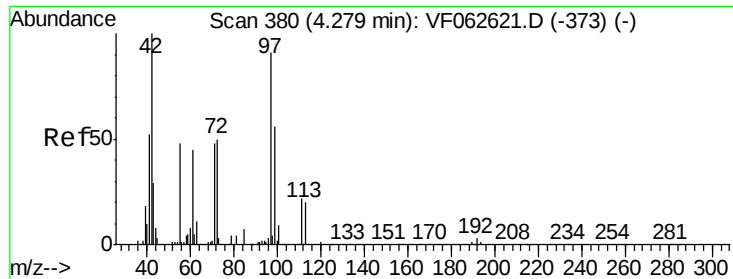
84 100

49 117.2 89.8 134.8

51 32.4 28.4 42.6

86 63.5 52.6 79.0

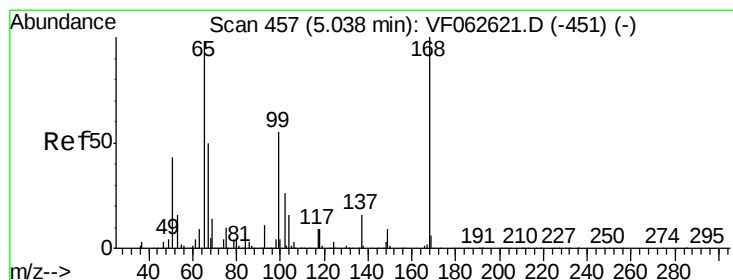
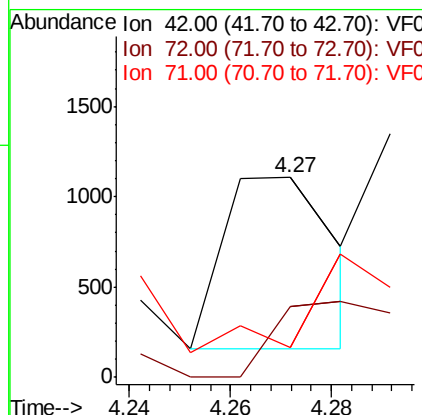
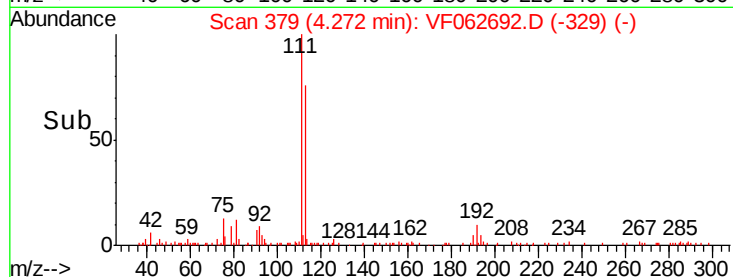
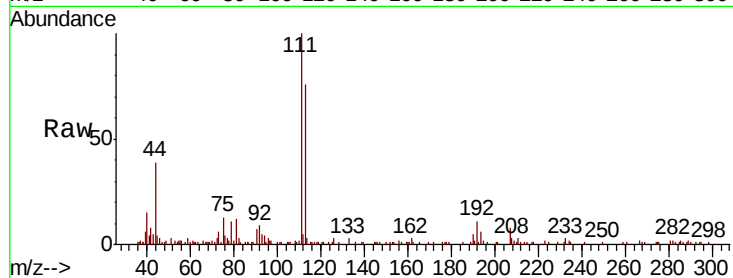




#29
Tetrahydrofuran
Concen: 1.347 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

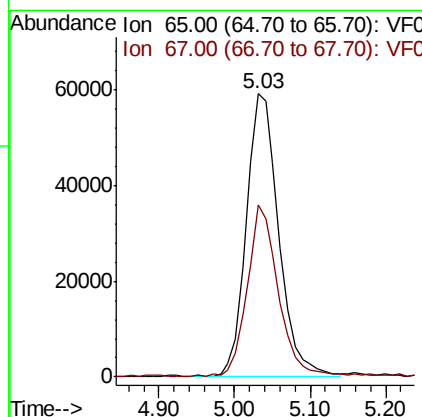
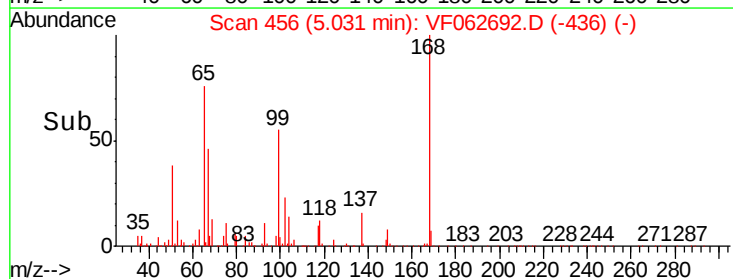
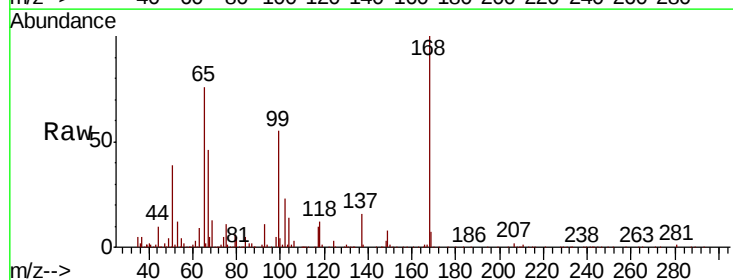
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-10-052019RE

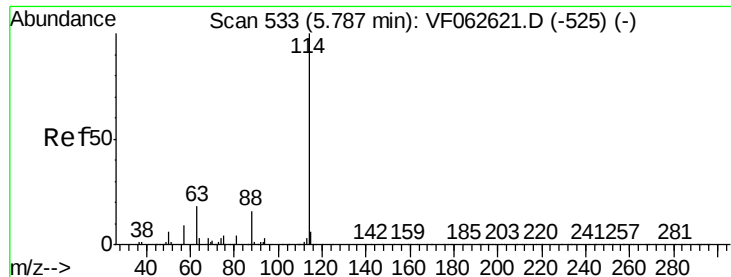
Tot Ion: 42 Resp: 1451
Ion Ratio Lower Upper
42 100
72 73.9 38.2 57.2#
71 68.3 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 36.757 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion: 65 Resp: 176566
Ion Ratio Lower Upper
65 100
67 60.8 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-10-052019RE

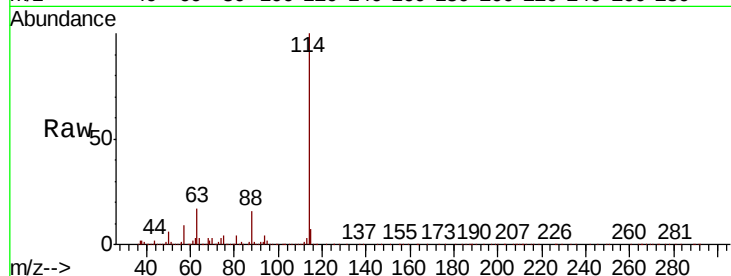
Tot Ion:114 Resp: 1102987

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

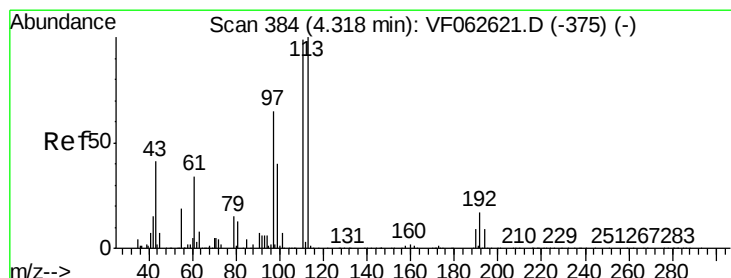
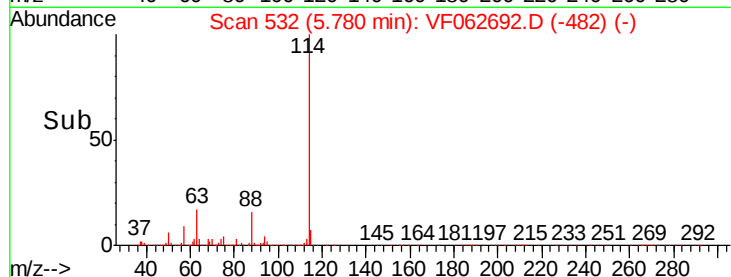
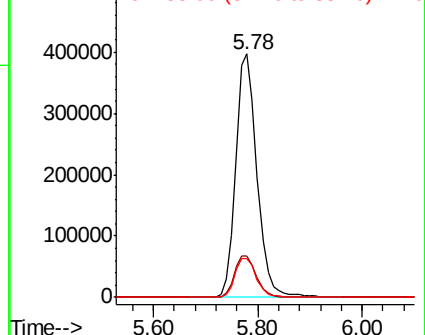
88 16.0 0.0 32.4



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: 37.676 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

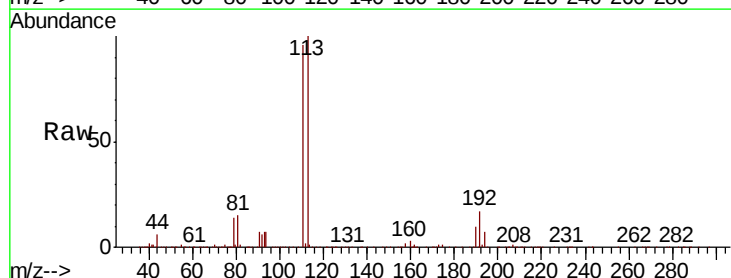
Tgt Ion:113 Resp: 317985

Ion Ratio Lower Upper

113 100

111 95.7 79.4 119.2

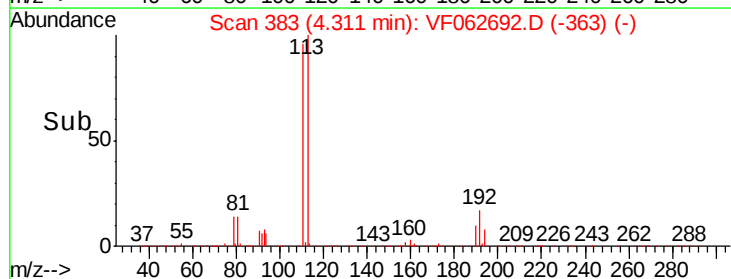
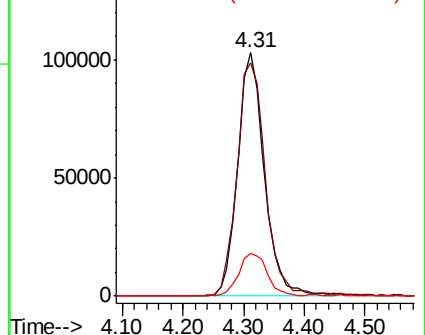
192 17.4 13.4 20.2

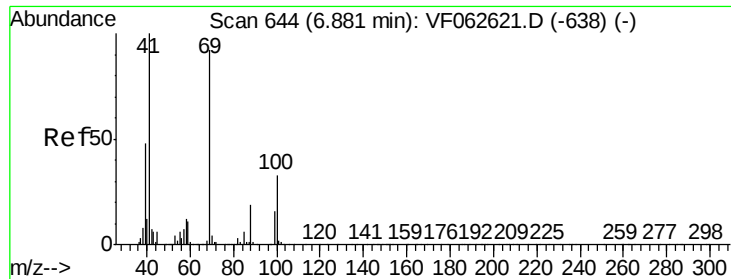


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

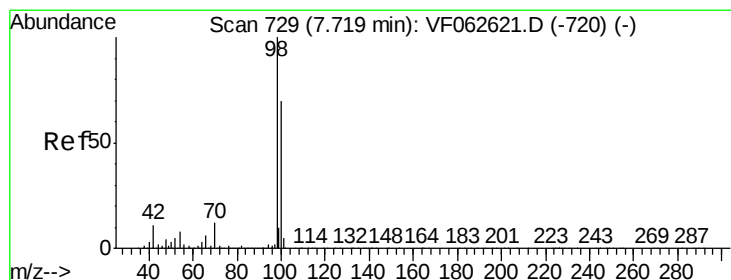
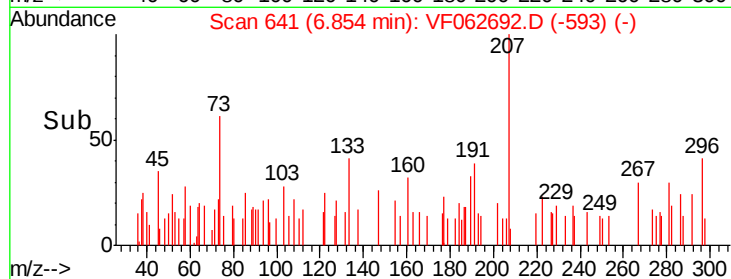
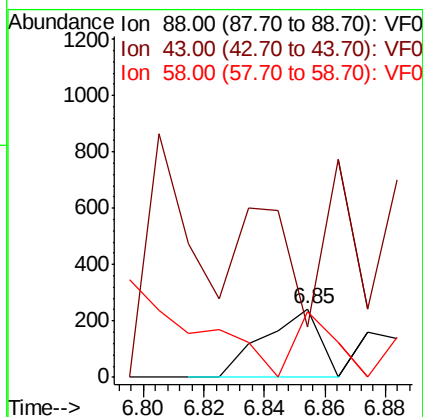
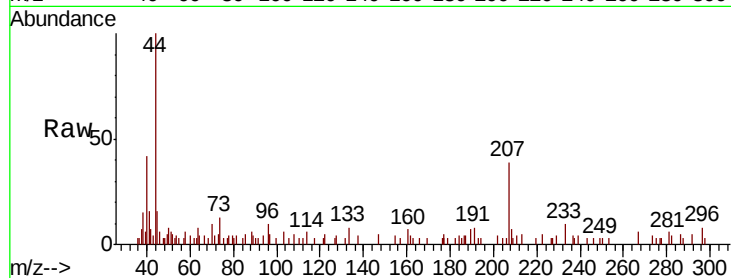




#49
1,4-Dioxane
Concen: 7.795 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

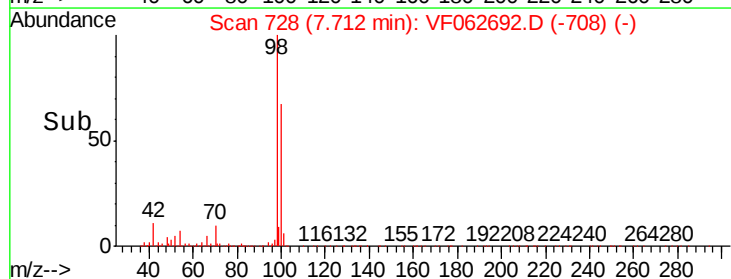
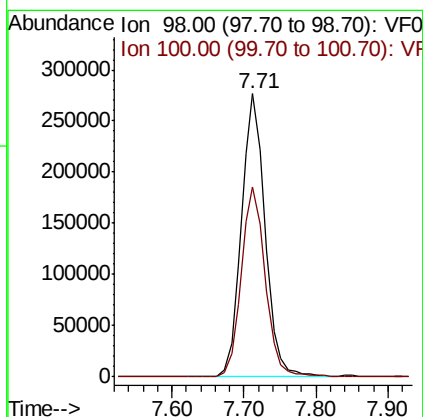
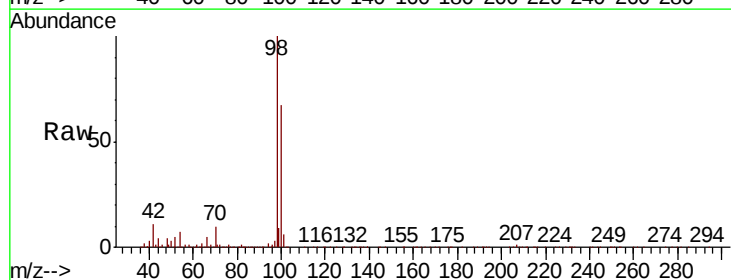
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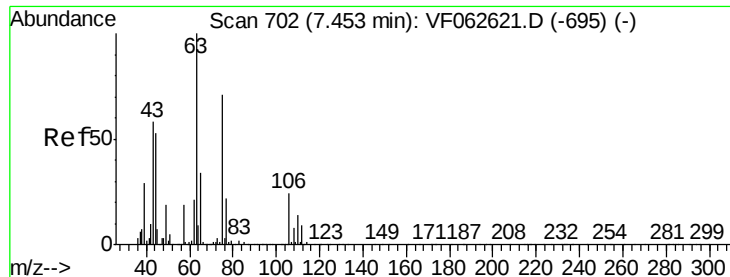
Tot Ion: 88 Resp: 312
Ion Ratio Lower Upper
88 100
43 73.0 30.0 45.0#
58 95.1 51.1 76.7#



#50
Toluene-d8
Concen: 31.446 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion: 98 Resp: 633680
Ion Ratio Lower Upper
98 100
100 67.0 56.2 84.2

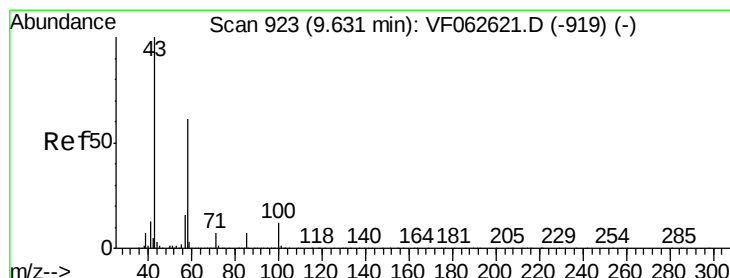
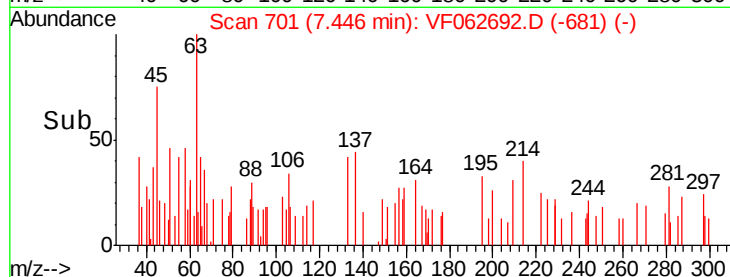
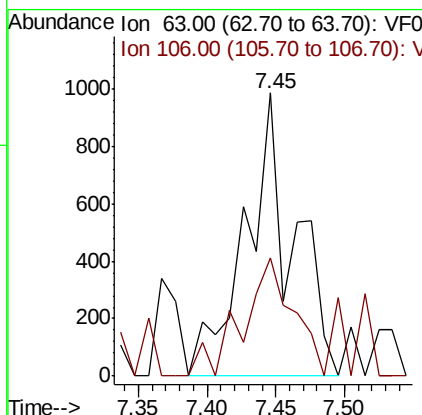
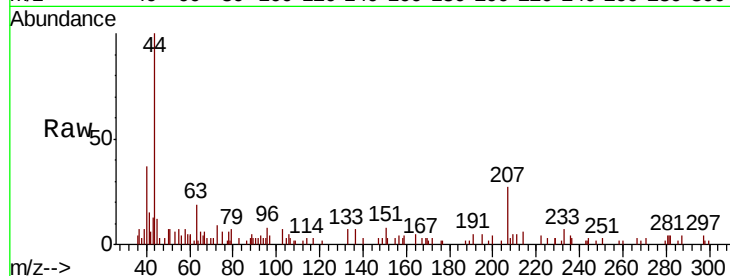




#58
2-Chloroethyl Vinyl ether
Concen: 1.286 ug/l
RT: 7.45 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

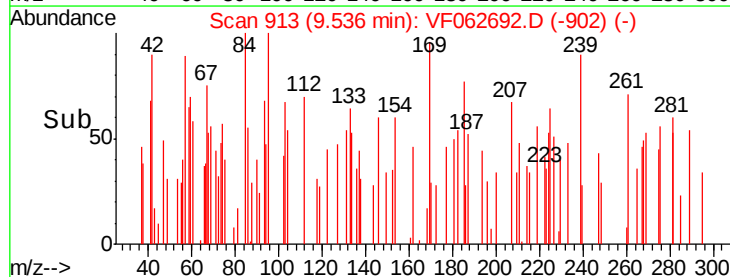
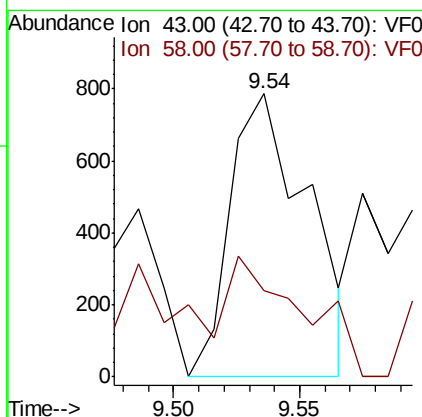
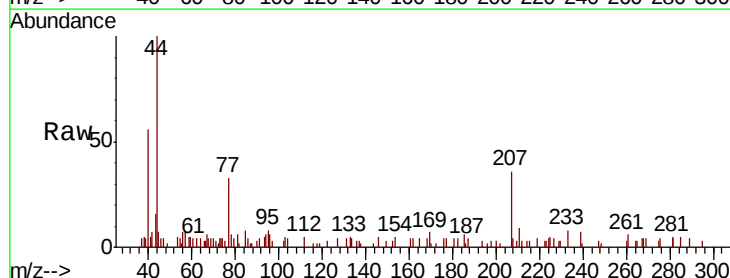
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MSVOA_F
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SUP-2A-G-10-052019RE

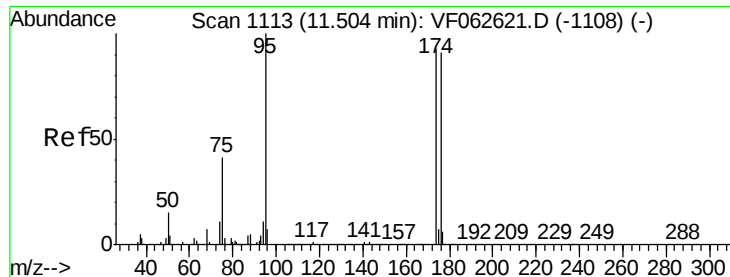
Tot Ion: 63 Resp: 2384
Ion Ratio Lower Upper
63 100
106 41.7 19.1 28.7#



#59
2-Hexanone
Concen: Below Cal
RT: 9.54 min Scan# 913
Delta R.T. -0.10 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
58 30.6 28.1 84.4

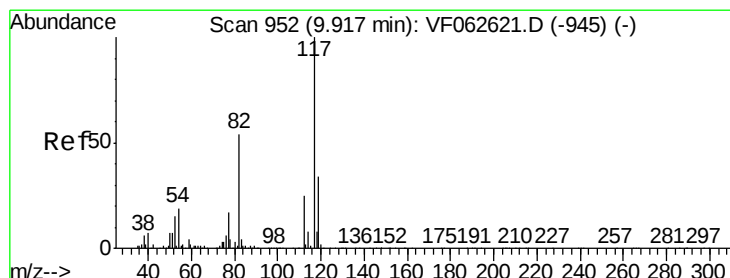
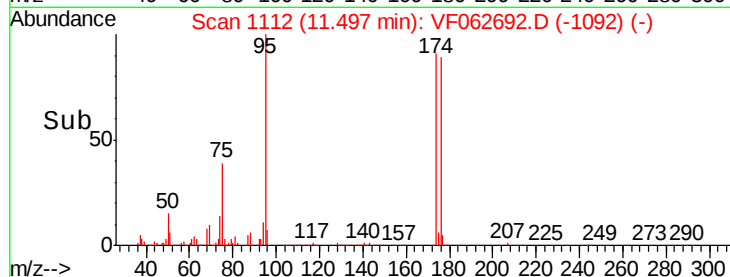
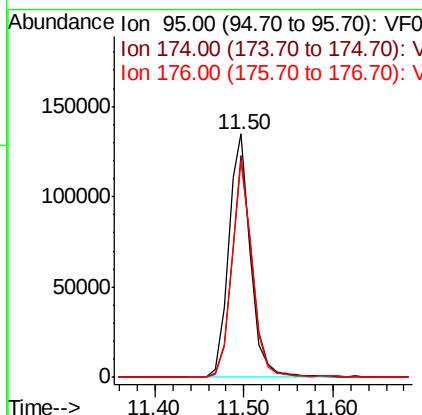
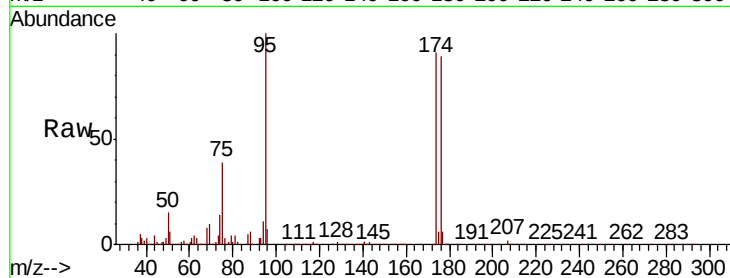




#62
4-Bromofluorobenzene
Concen: 30.523 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

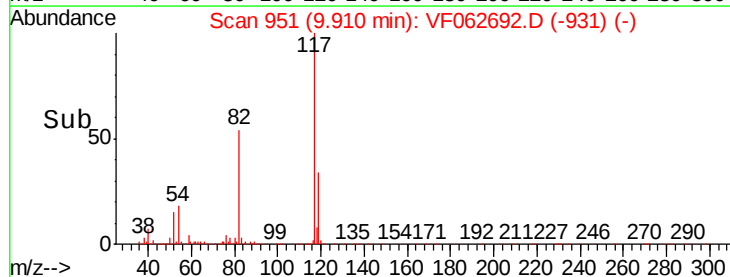
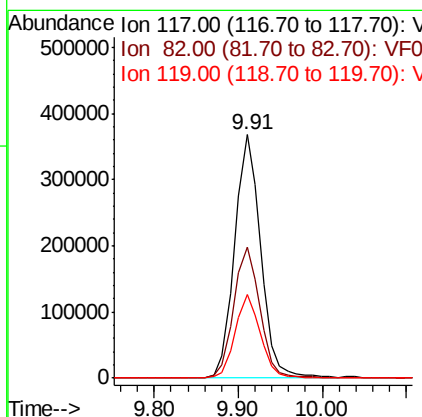
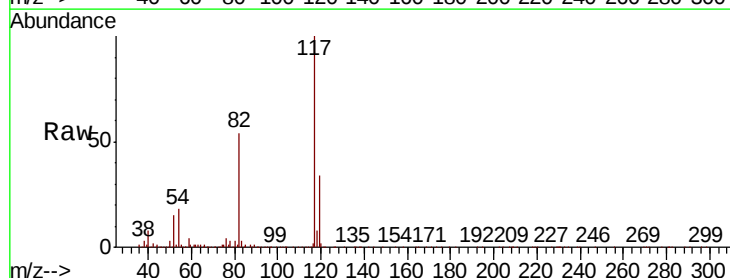
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-10-052019RE

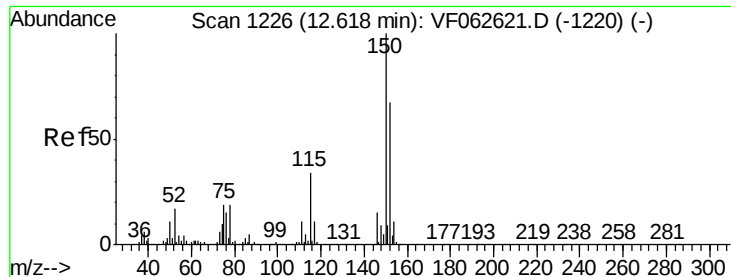
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	185.6
176	88.8	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	34.2	27.4	41.0



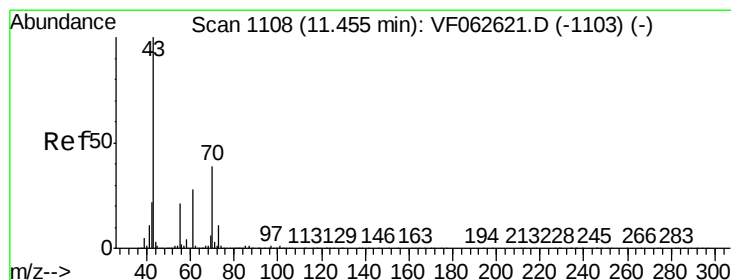
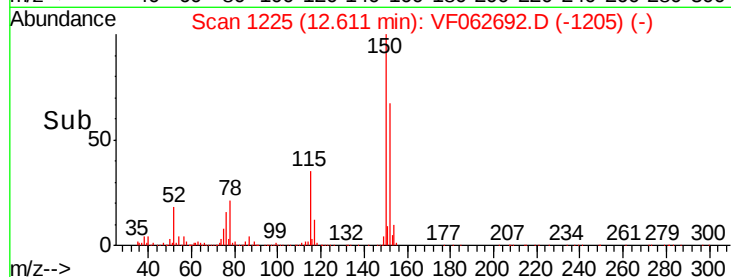
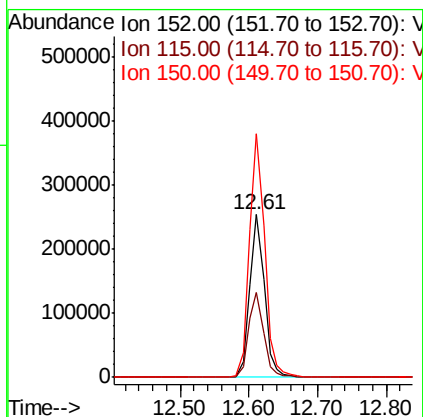
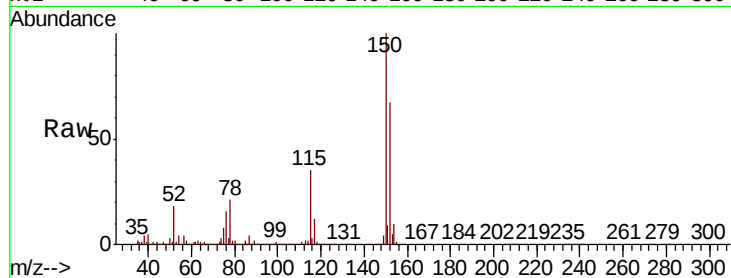


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-10-052019RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.3	25.2	75.6
150	149.6	0.0	306.2



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	50.8	17.0	25.4#
61	18.3	22.6	34.0#

