

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062691.D
 Acq On : 21 May 2019 19:03
 Operator : FY/SY
 Sample : K2971-09RE
 Misc : 5.41g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-9-052019RE

Quant Time: May 22 03:57:55 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	742184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1255909	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	875238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	416415	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	184652	35.21	ug/l	0.00
Spiked Amount			Recovery	=	70.42%	
35) Dibromofluoromethane	4.31	113	344625	35.86	ug/l	0.00
Spiked Amount			Recovery	=	71.72%	
50) Toluene-d8	7.71	98	693092	30.21	ug/l	0.00
Spiked Amount			Recovery	=	60.42%	
62) 4-Bromofluorobenzene	11.49	95	241976	27.81	ug/l	0.00
Spiked Amount			Recovery	=	55.62%	

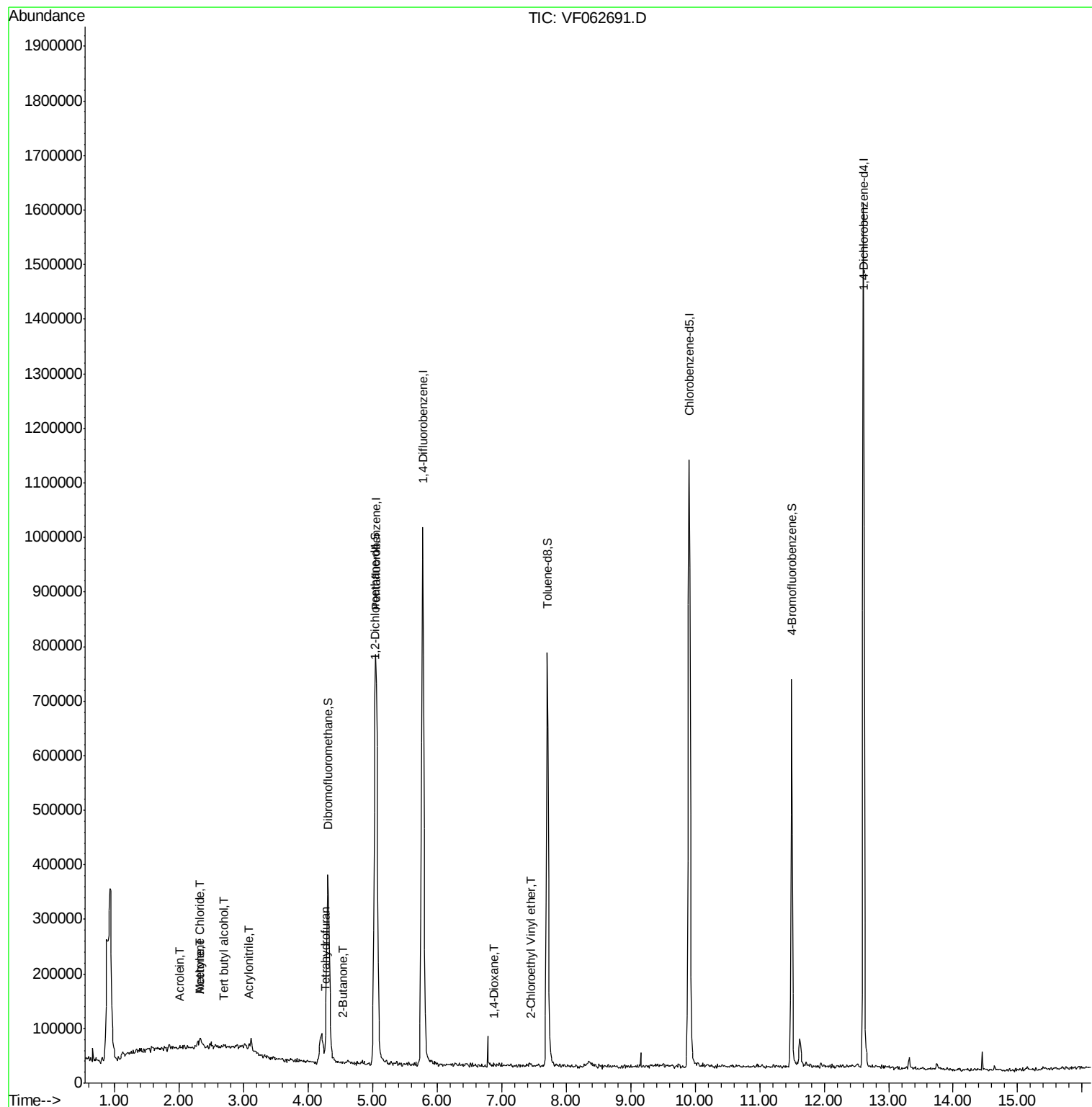
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	922	2.663	ug/l #	1
13) Acrolein	2.02	56	762	2.108	ug/l	95
15) Acrylonitrile	3.09	53	1431	1.465	ug/l #	55
16) Acetone	2.34	43	6822	5.014	ug/l	96
20) Methylene Chloride	2.34	84	16367	2.400	ug/l #	66
25) 2-Butanone	4.54	43	3545	1.219	ug/l #	83
29) Tetrahydrofuran	4.26	42	2379	2.022	ug/l #	30
49) 1,4-Dioxane	6.87	88	263	5.771	ug/l #	30
58) 2-Chloroethyl Vinyl ether	7.45	63	2250	1.066	ug/l #	51
59) 2-Hexanone	9.63	43	2932	Below Cal		91
74) N-amyl acetate	11.45	43	678	Below Cal	#	68

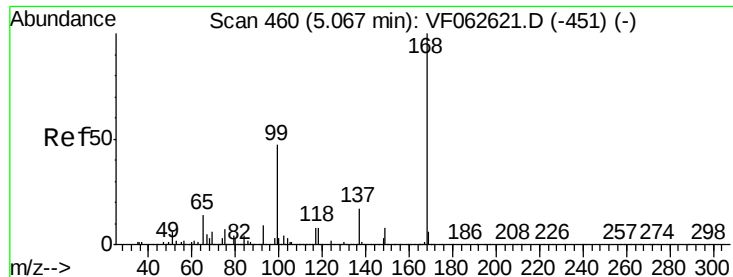
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
Data File : VF062691.D
Acq On : 21 May 2019 19:03
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Sample : K2971-09RE
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Instrument :
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Quant Time: May 22 03:57:55 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. -0.01 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

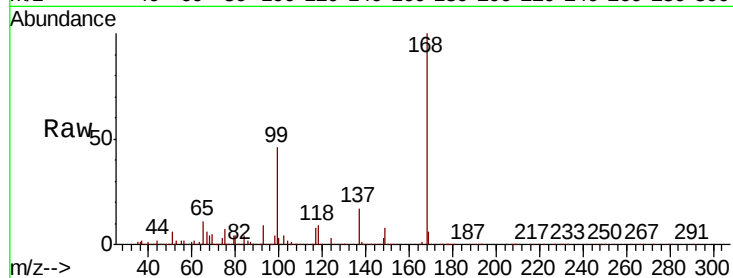
SUP-2A-G-9-052019RE

Tot Ion:168 Resp: 742184

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

5.06

250000

200000

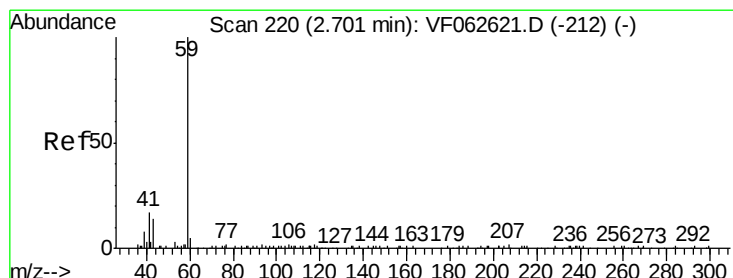
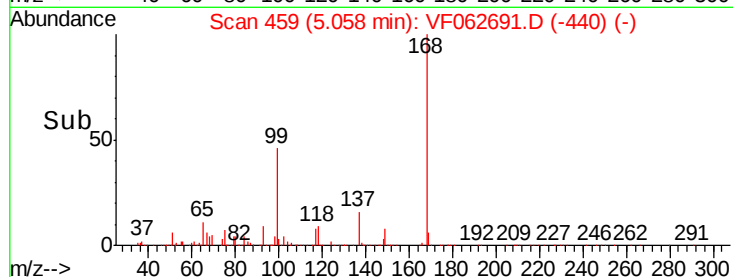
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.663 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062691.D

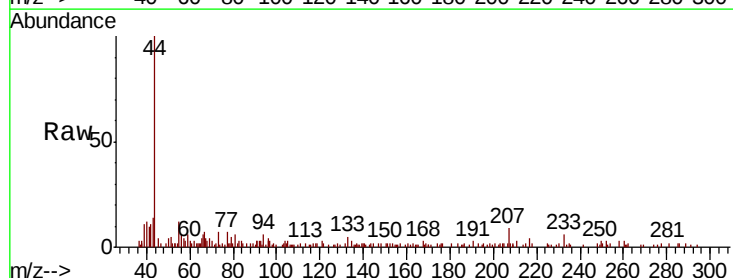
Acq: 21 May 2019 19:03

Tgt Ion: 59 Resp: 922

Ion Ratio Lower Upper

59 100

57 61.7 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

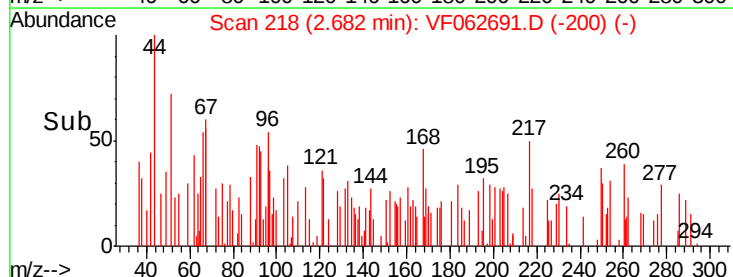
600

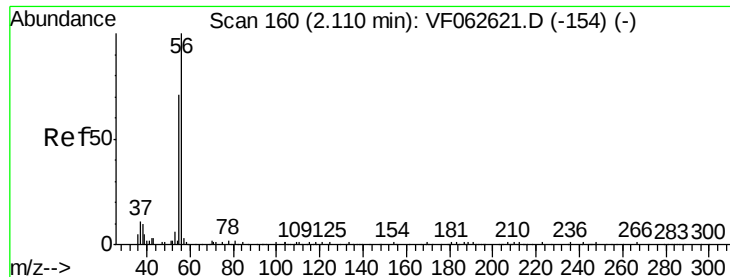
400

200

0

Time-->

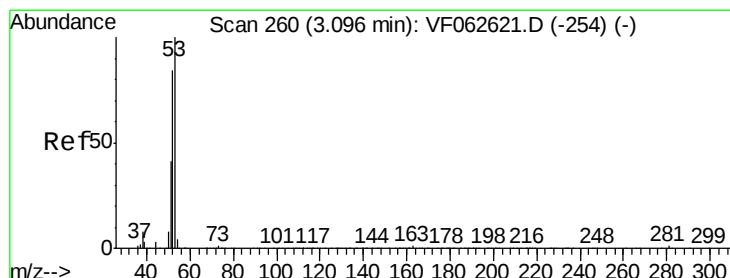
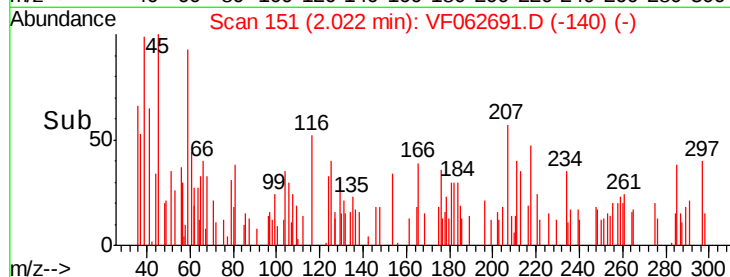
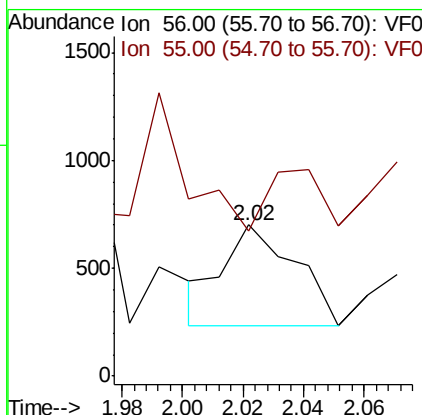
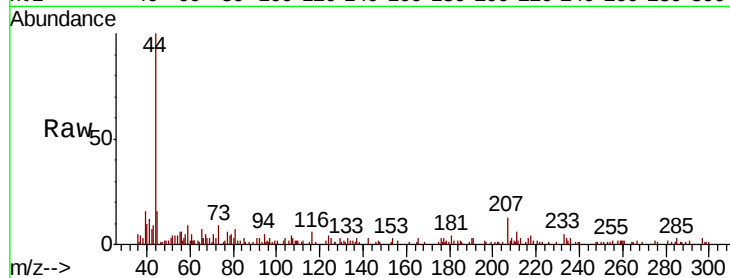




#13
Acrolein
Concen: 2.108 ug/l
RT: 2.02 min Scan# 151
Delta R.T. -0.09 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

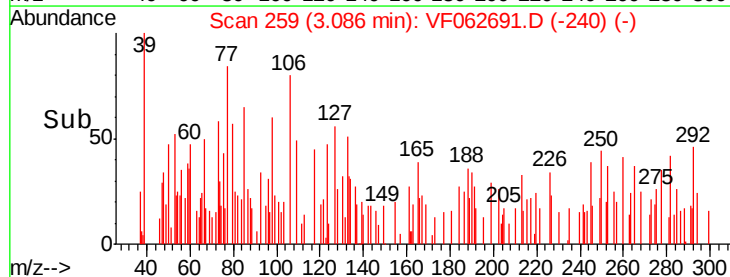
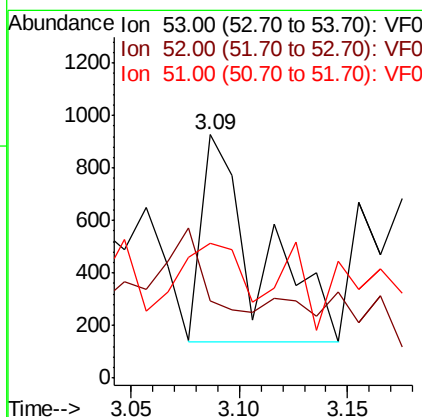
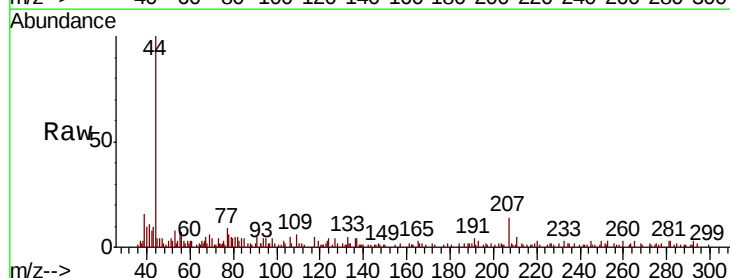
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-9-052019RE

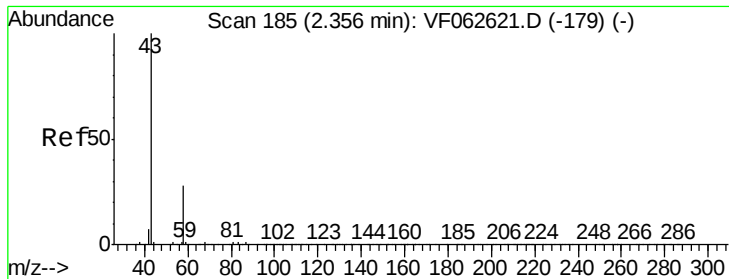
Tot Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
55 69.7 59.4 89.0



#15
Acrylonitrile
Concen: 1.465 ug/l
RT: 3.09 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion: 53 Resp: 1431
Ion Ratio Lower Upper
53 100
52 26.2 67.3 100.9#
51 46.3 33.0 49.6

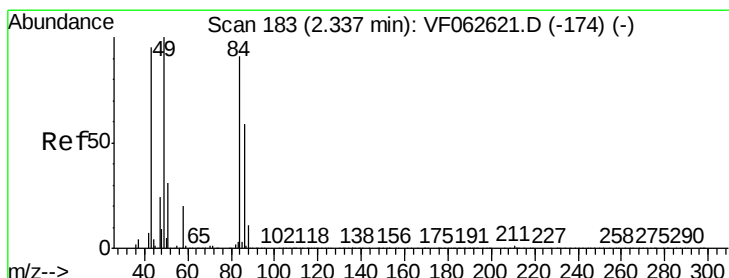
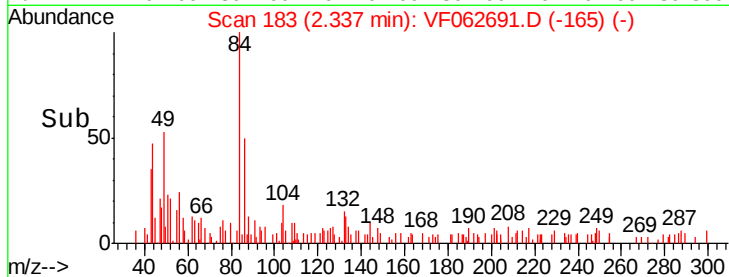
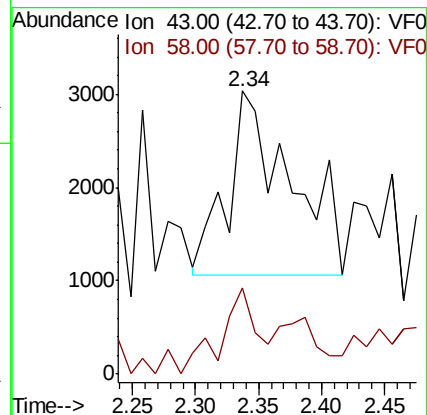
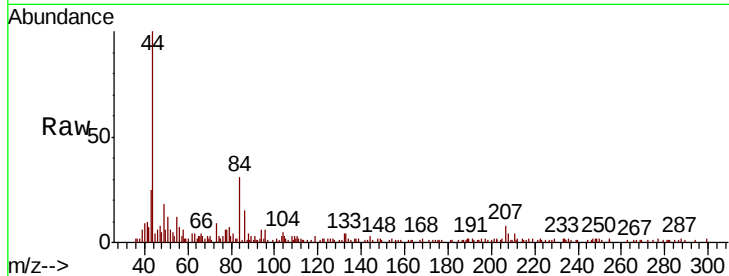




#16
Acetone
Concen: 5.014 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

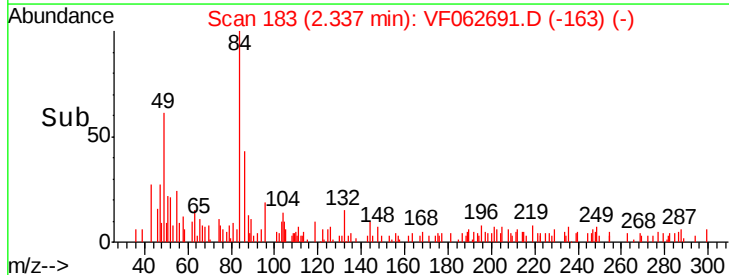
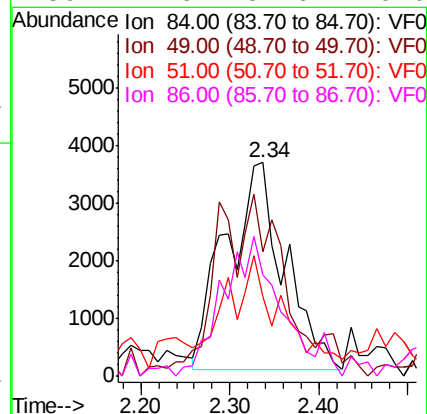
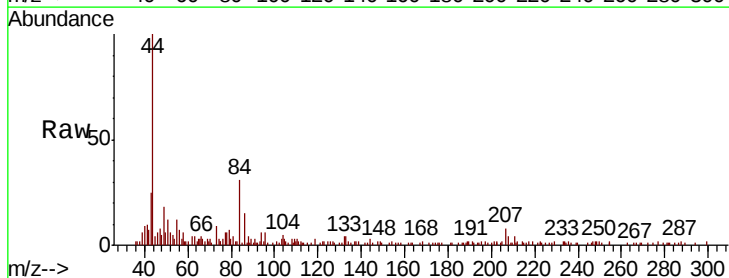
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-9-052019RE

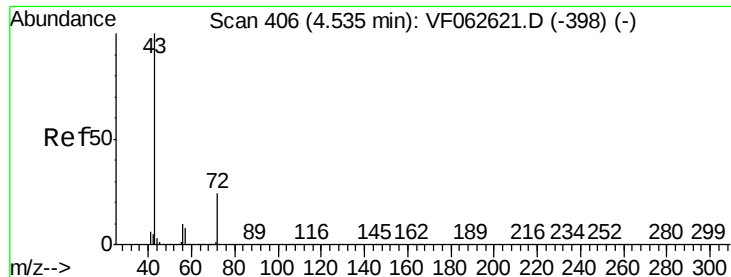
Tot Ion: 43 Resp: 6822
Ion Ratio Lower Upper
43 100
58 30.6 22.6 33.8



#20
Methylene Chloride
Concen: 2.400 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion: 84 Resp: 16367
Ion Ratio Lower Upper
84 100
49 58.1 89.8 134.8#
51 37.1 28.4 42.6
86 47.6 52.6 79.0#





#25

2-Butanone

Concen: 1.219 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

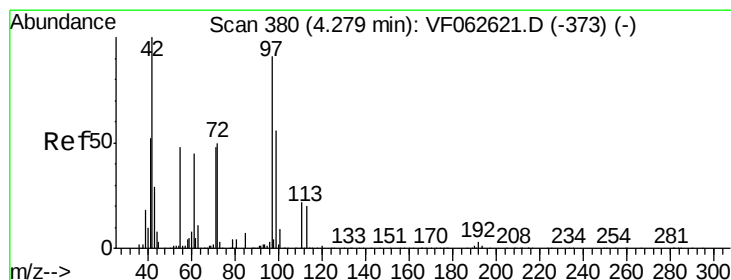
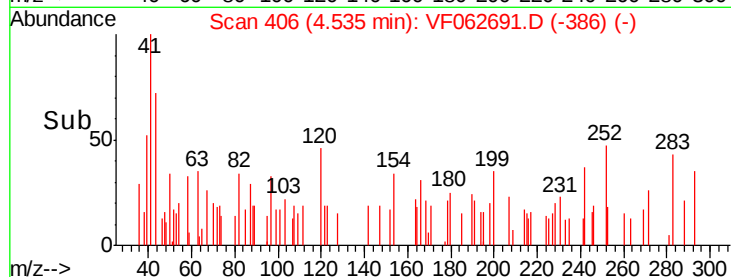
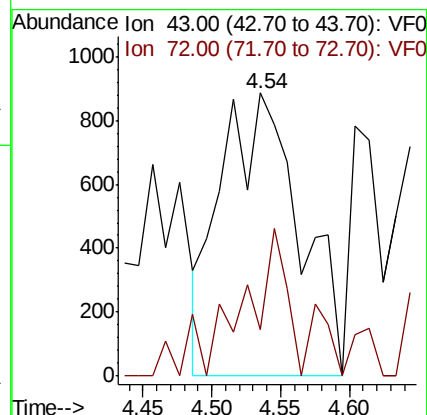
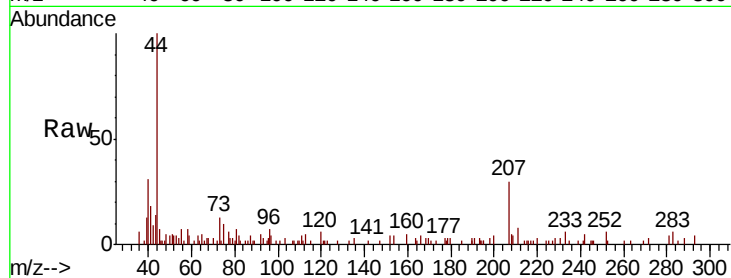
SUP-2A-G-9-052019RE

Tot Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

72 16.6 20.1 30.1#



#29

Tetrahydrofuran

Concen: 2.022 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

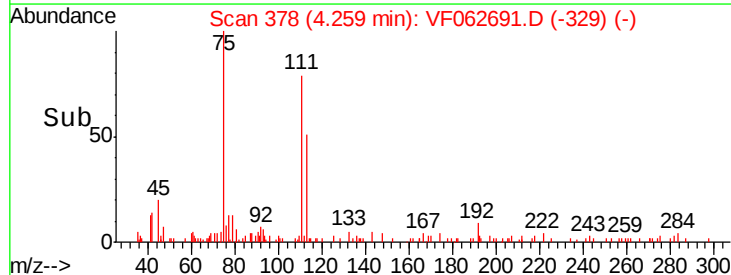
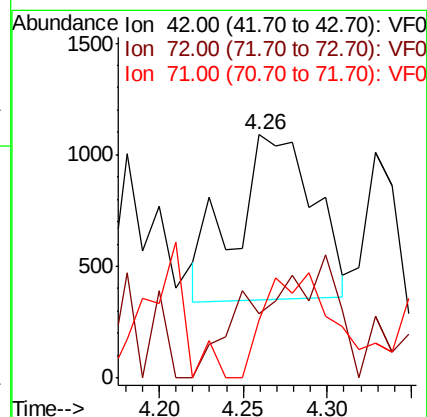
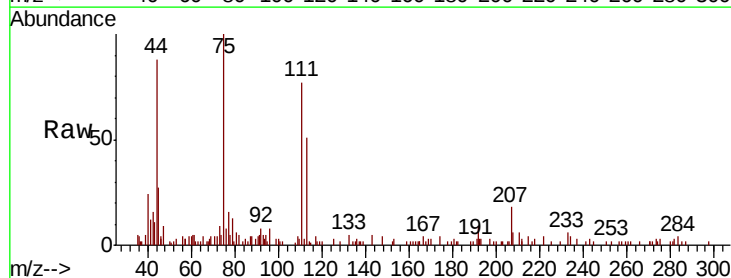
Tgt Ion: 42 Resp: 2379

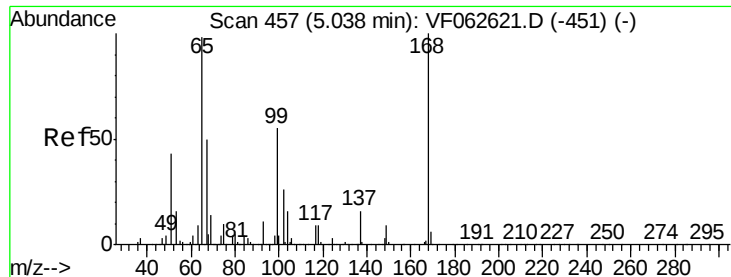
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 0.0 35.8 53.6#

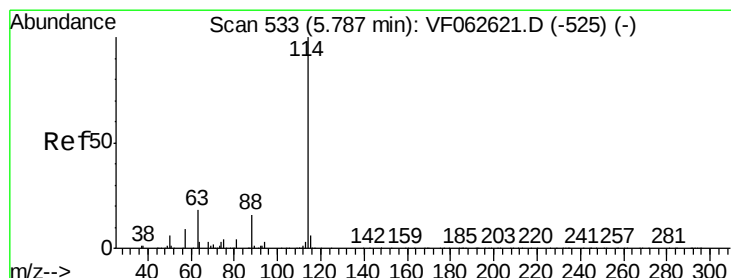
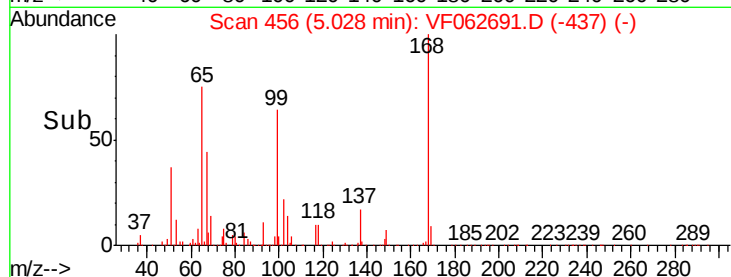
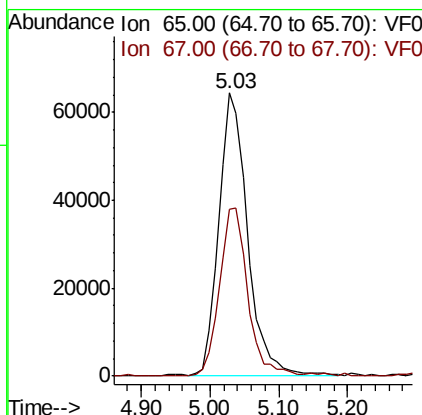
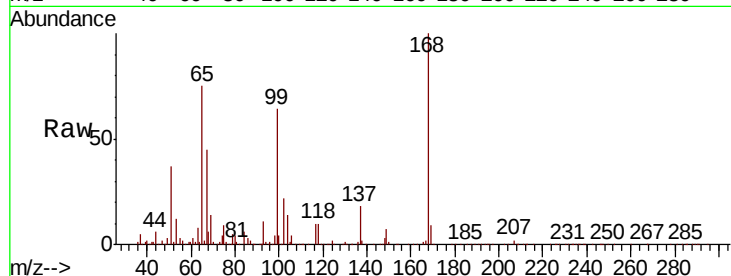




#33
 1,2-Dichloroethane-d4
 Concen: 35.208 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF062691.D
 Acq: 21 May 2019 19:03

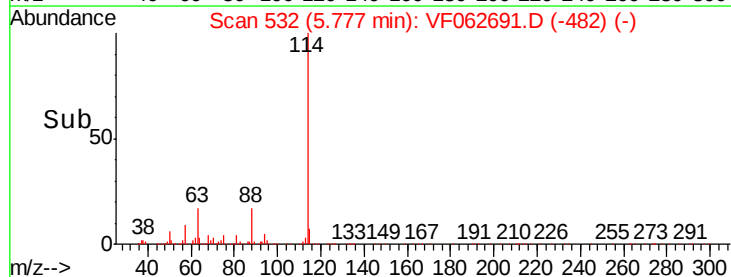
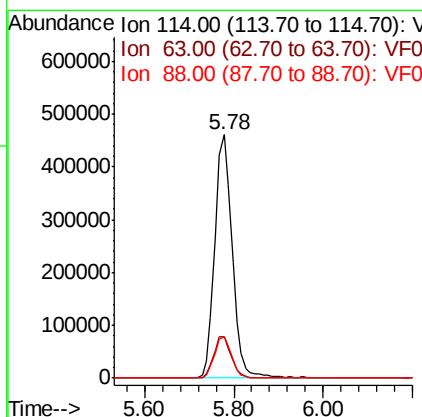
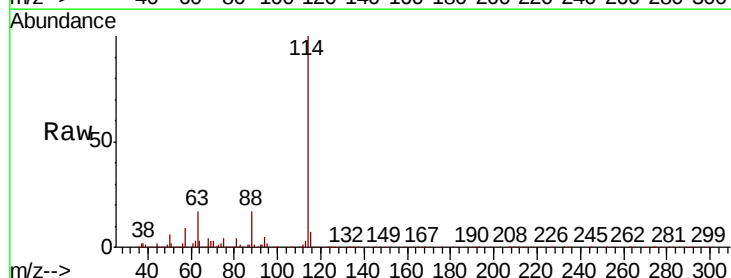
Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-9-052019RE

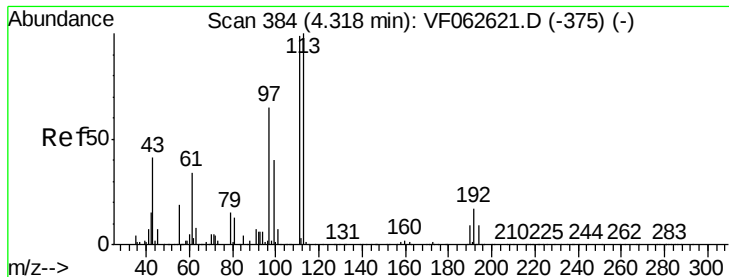
Tot Ion: 65 Resp: 184652
 Ion Ratio Lower Upper
 65 100
 67 59.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062691.D
 Acq: 21 May 2019 19:03

Tgt Ion: 114 Resp: 1255909
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.4
 88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 35.860 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-9-052019RE

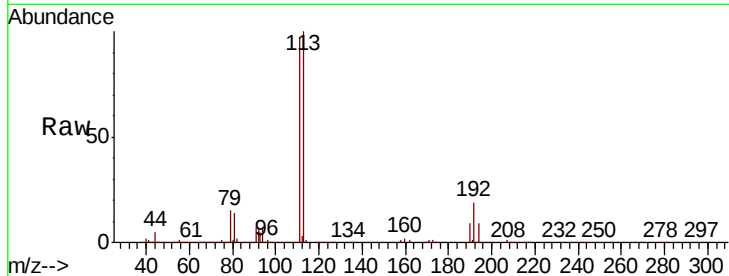
Tot Ion:113 Resp: 344625

Ion Ratio Lower Upper

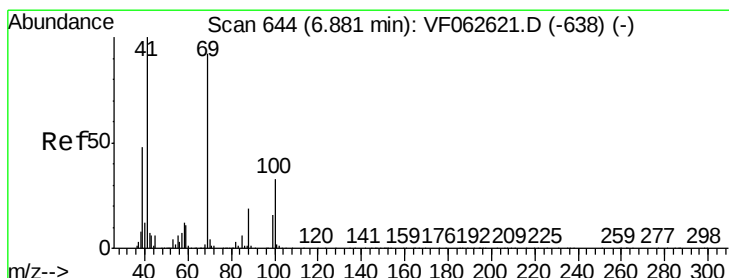
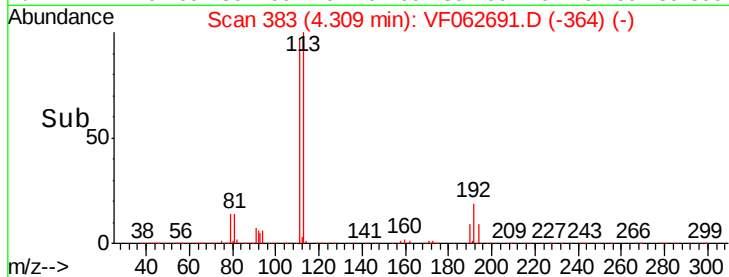
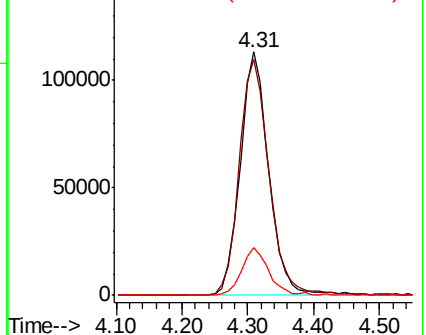
113 100

111 96.9 79.4 119.2

192 19.5 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: 5.771 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

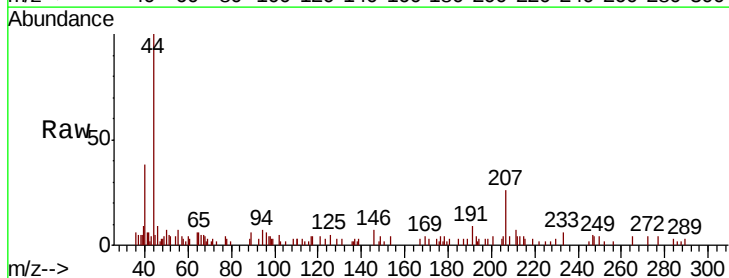
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

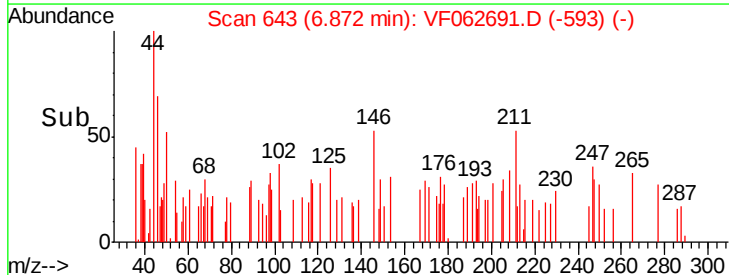
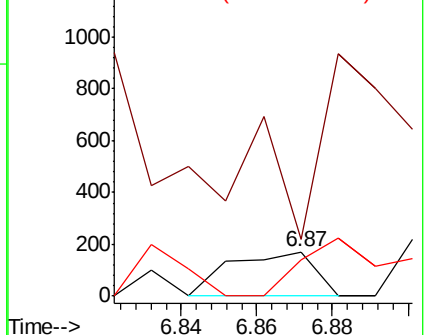
88 100

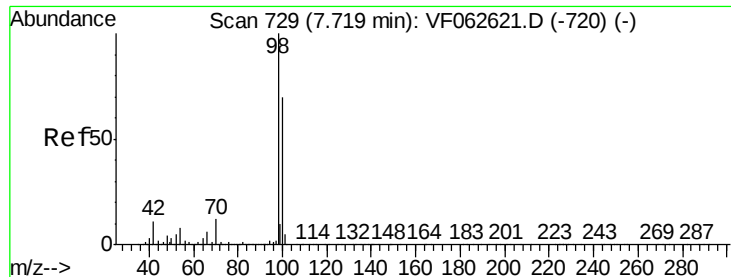
43 127.6 30.0 45.0#

58 81.8 51.1 76.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 30.206 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

Instrument :

MSVOA_F

ClientSampleId :

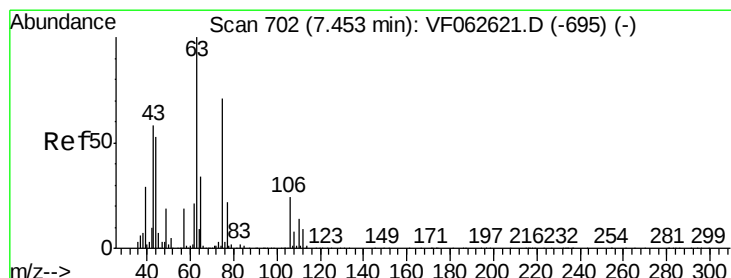
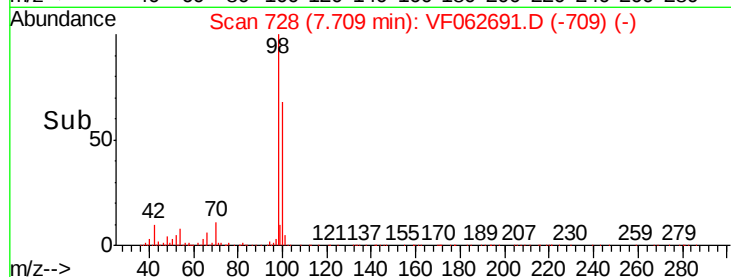
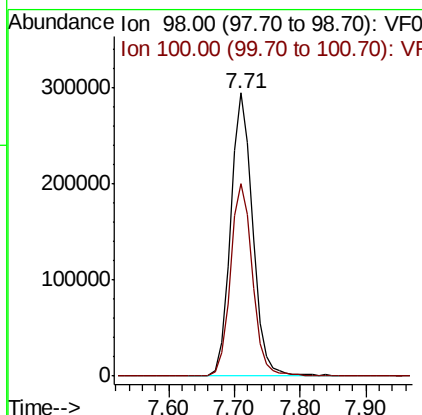
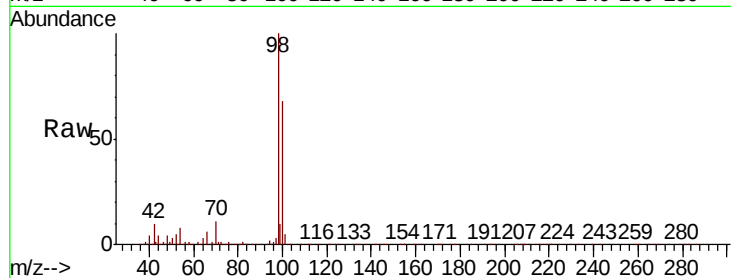
SUP-2A-G-9-052019RE

Tot Ion: 98 Resp: 693092

Ion Ratio Lower Upper

98 100

100 68.1 56.2 84.2



#58

2-Chloroethyl Vinyl ether

Concen: 1.066 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062691.D

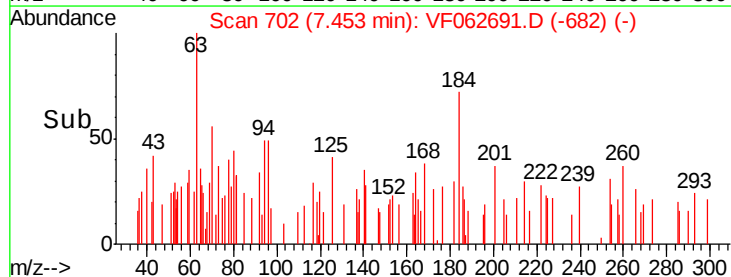
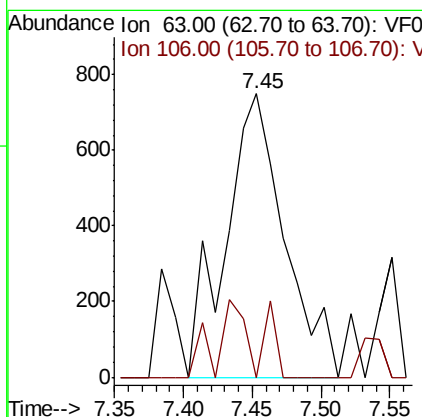
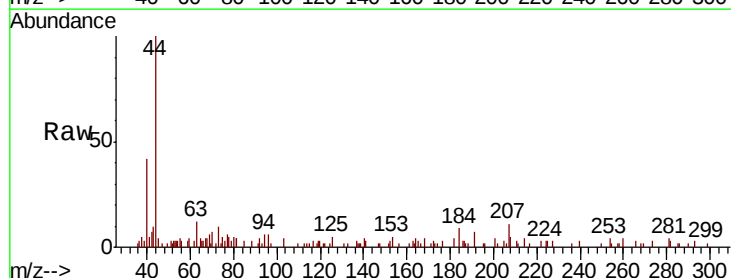
Acq: 21 May 2019 19:03

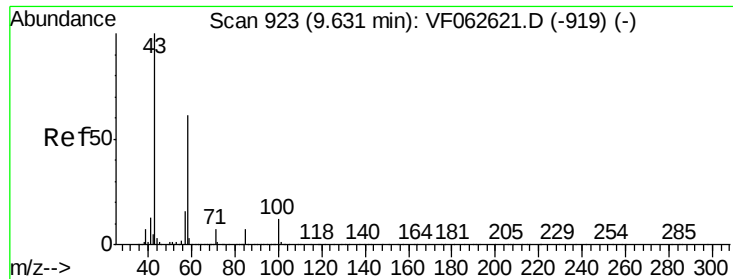
Tgt Ion: 63 Resp: 2250

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

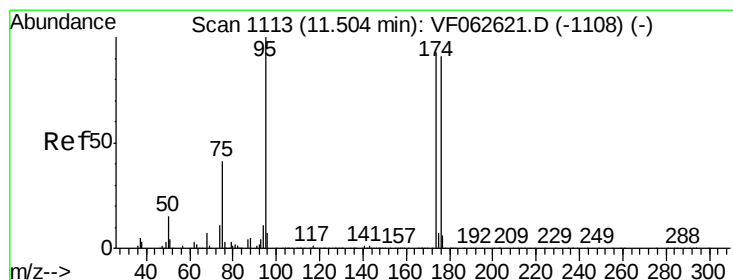
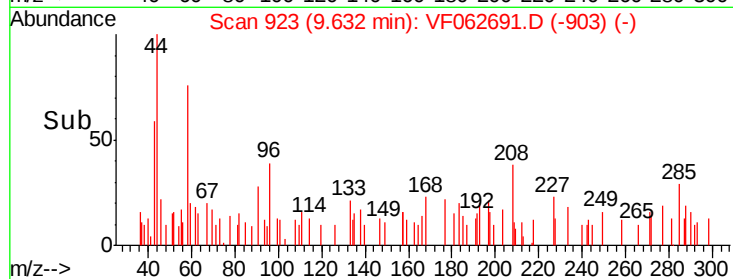
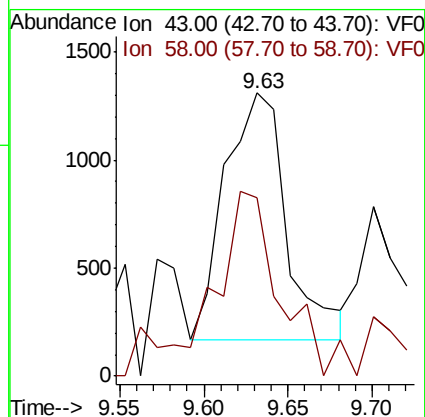
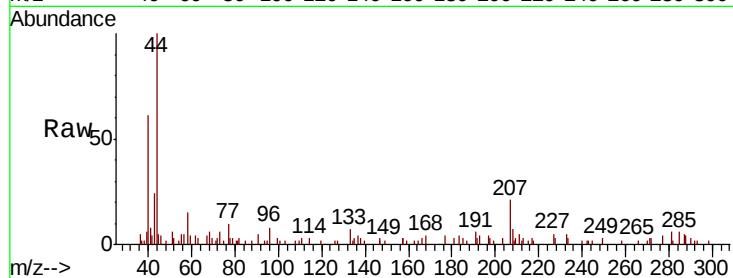




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

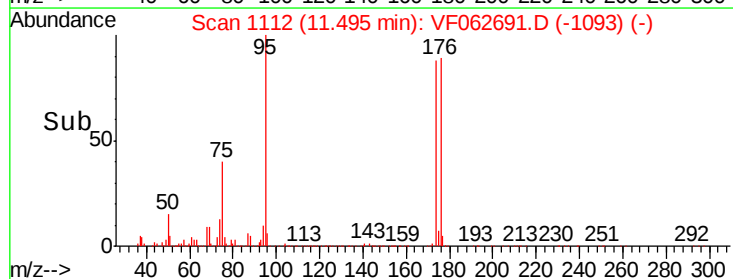
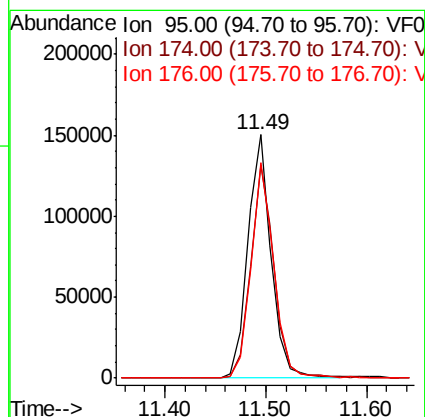
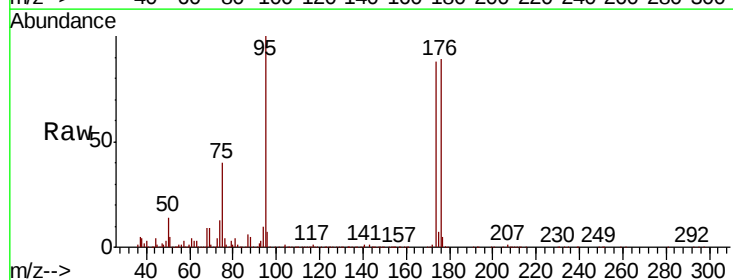
Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-9-052019RE

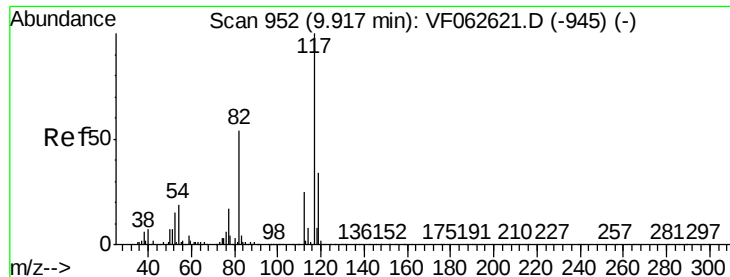
Tot Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
58 62.8 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 27.805 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion: 95 Resp: 241976
Ion Ratio Lower Upper
95 100
174 87.7 0.0 185.6
176 88.6 0.0 182.4

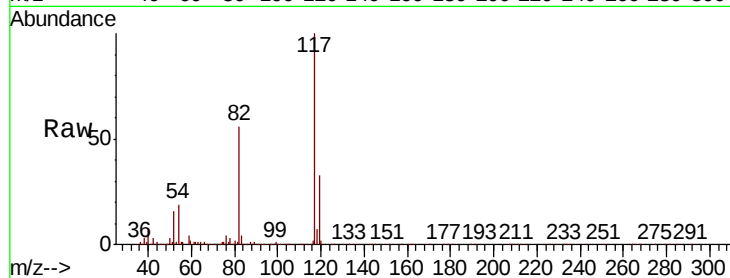




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-9-052019RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.3	64.9
119	33.3	27.4	41.0

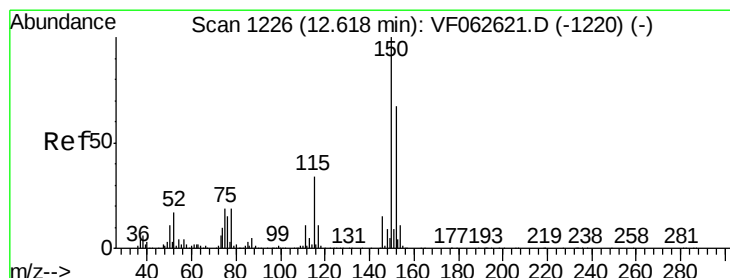
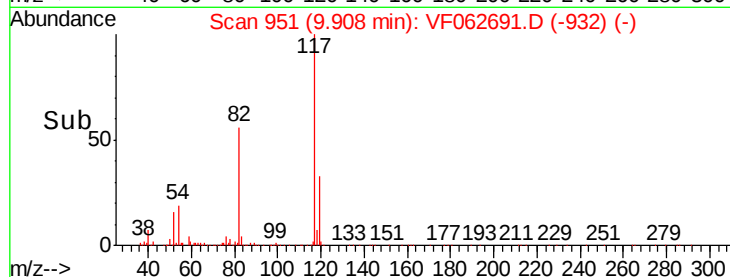
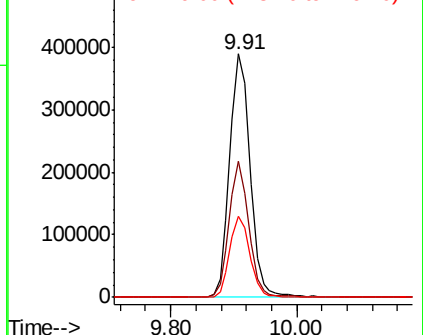


Abundance

Ion 117.00 (116.70 to 117.70): V

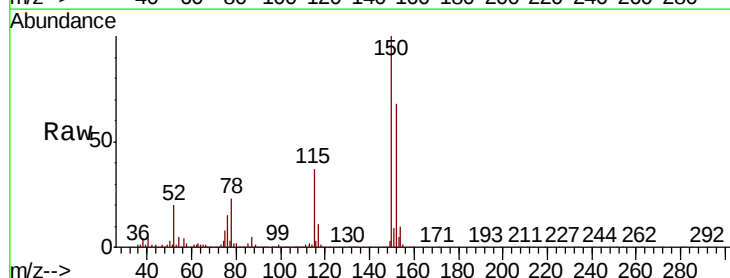
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.2	75.6
150	146.8	0.0	306.2

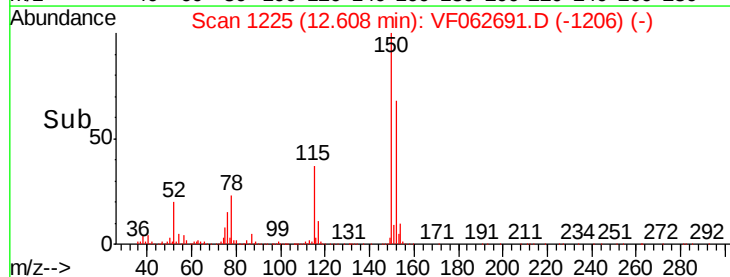
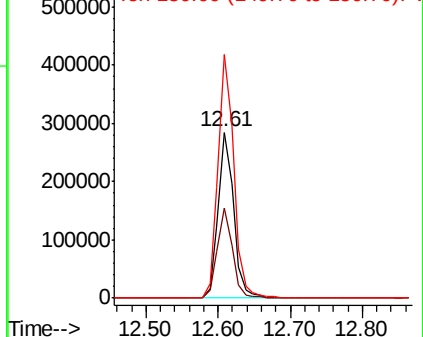


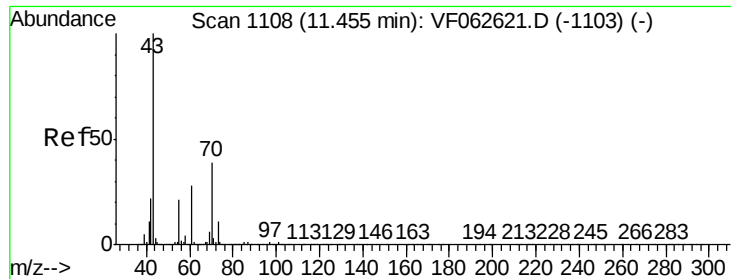
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.45 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VF062691.D
 Acq: 21 May 2019 19:03

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-9-052019RE

Tot Ion:	43	Resp:	678
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	18.7	17.0	25.4
61	32.9	22.6	34.0

