

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062683.D
 Acq On : 21 May 2019 15:19
 Operator : FY/SY
 Sample : K2970-06RE
 Misc : 5.39g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:56:09 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

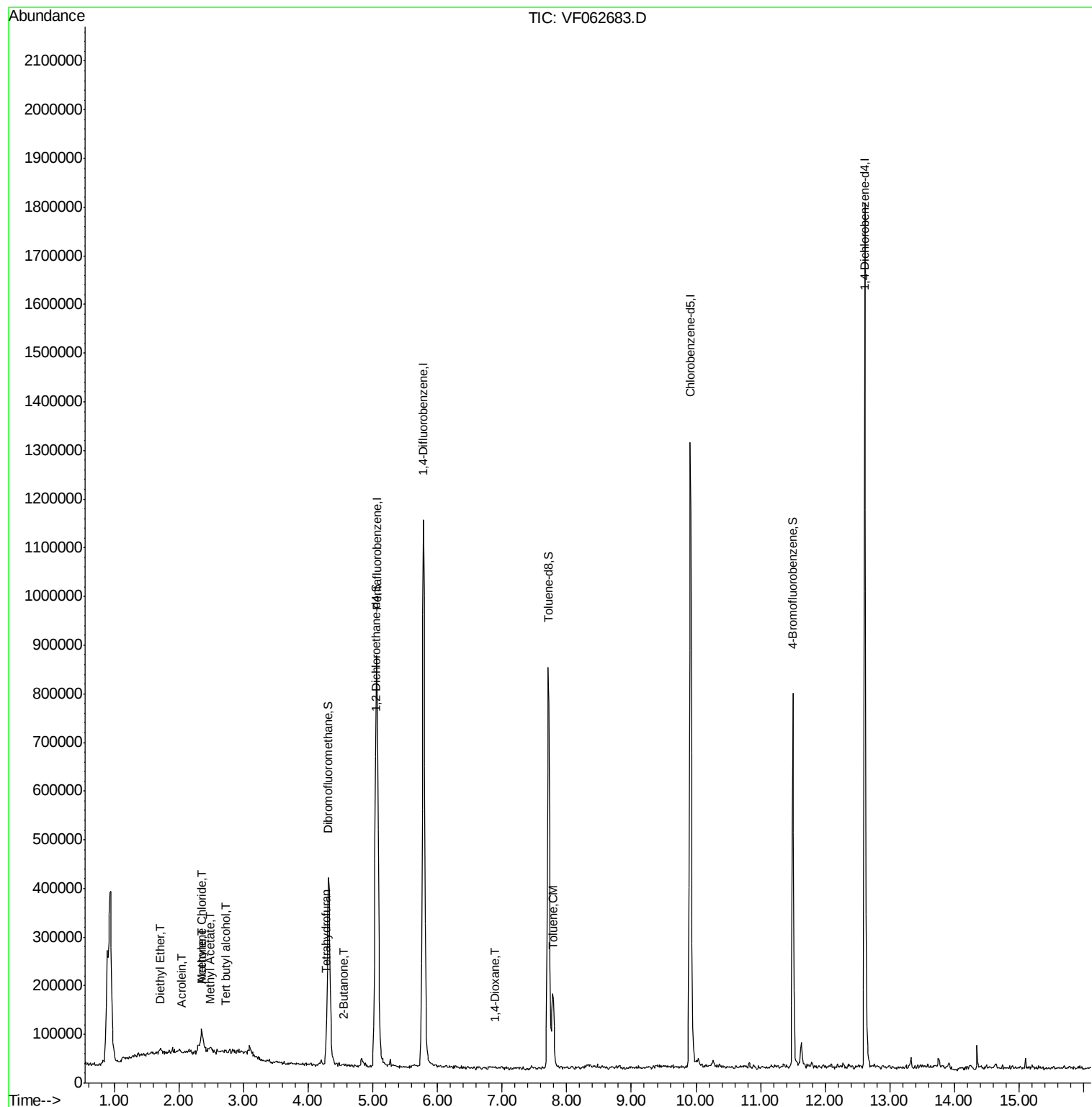
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	852396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1413717	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	1012912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	473907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	185440	30.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.58%	
35) Dibromofluoromethane	4.31	113	386999	35.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.54%	
50) Toluene-d8	7.71	98	770585	29.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	59.66%	
62) 4-Bromofluorobenzene	11.50	95	272247	27.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.58%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.72	74	4884	1.868	ug/l	83
11) Tert butyl alcohol	2.72	59	2268	5.703	ug/l #	1
13) Acrolein	2.05	56	718	1.730	ug/l	97
16) Acetone	2.35	43	58534	37.458	ug/l	91
18) Methyl Acetate	2.47	43	8573	3.491	ug/l #	88
20) Methylene Chloride	2.35	84	14814	1.891	ug/l	91
25) 2-Butanone	4.55	43	3648	1.093	ug/l #	50
29) Tetrahydrofuran	4.27	42	2519	1.864	ug/l #	34
49) 1,4-Dioxane	6.90	88	169	3.294	ug/l #	1
52) Toluene	7.78	92	86213	4.165	ug/l	88
59) 2-Hexanone	9.63	43	5057	Below Cal		78
74) N-amyl acetate	11.45	43	1810	Below Cal	#	19

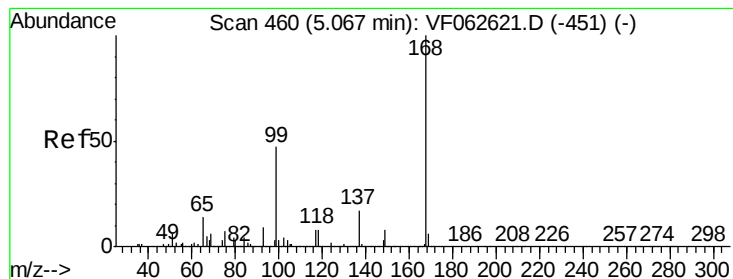
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
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ClientSampleId :

Quant Time: May 22 03:56:09 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: VF062683.D

Acq: 21 May 2019 15:19

Instrument :

MSVOA_F

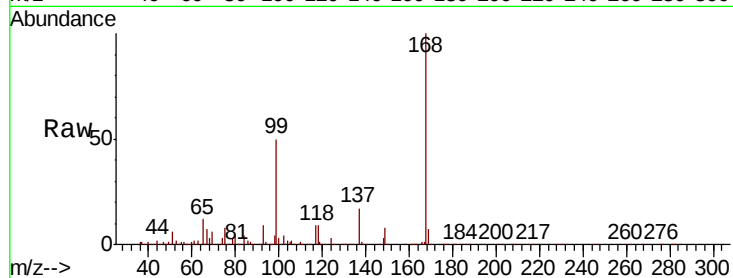
ClientSampleId :

Tot Ion:168 Resp: 852396

Ion Ratio Lower Upper

168 100

99 50.3 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

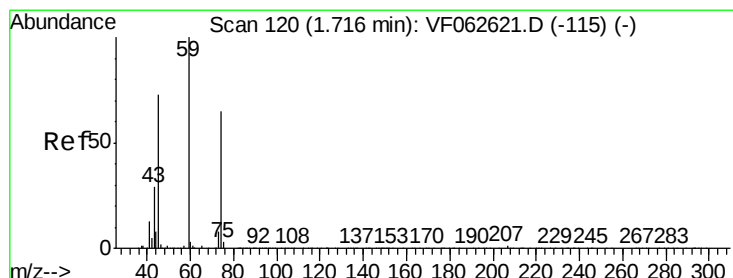
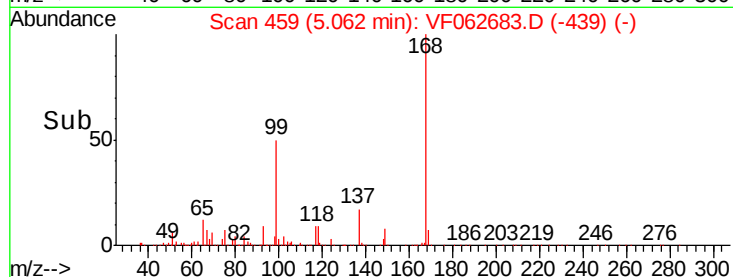
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.868 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062683.D

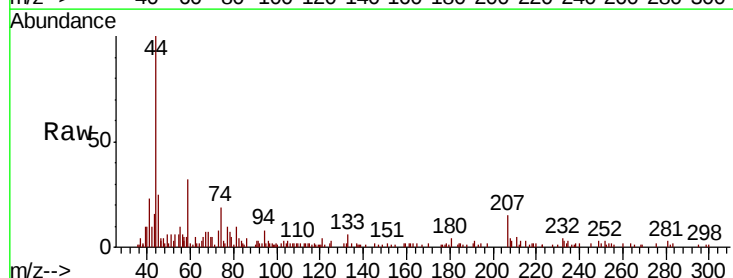
Acq: 21 May 2019 15:19

Tgt Ion: 74 Resp: 4884

Ion Ratio Lower Upper

74 100

45 131.8 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.72

3000

2500

2000

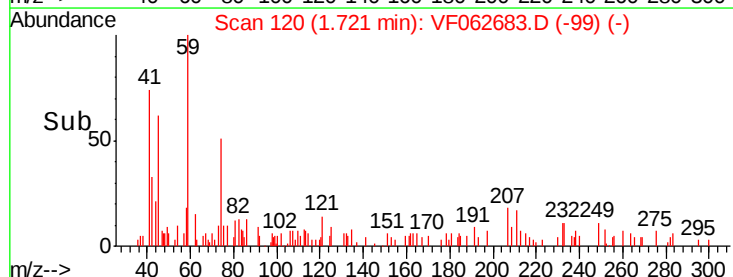
1500

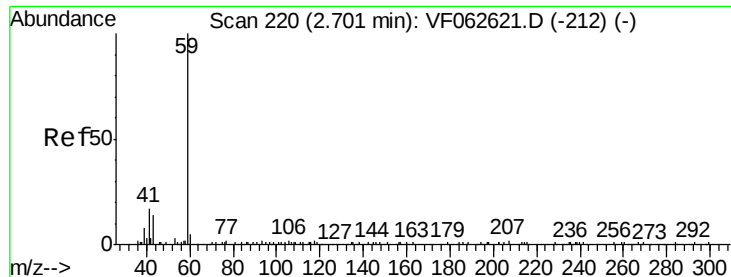
1000

500

0

Time-->



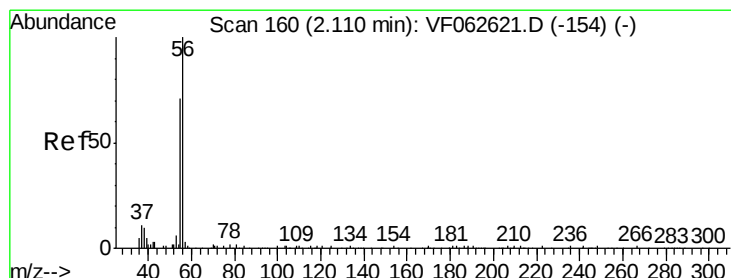
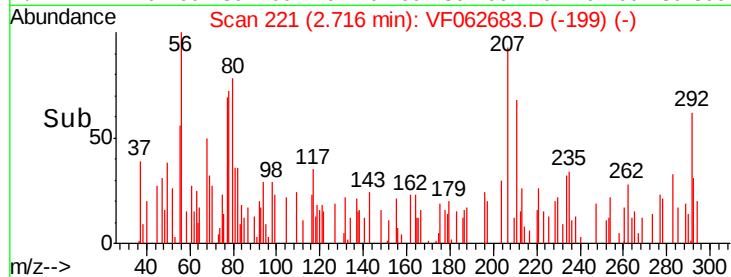
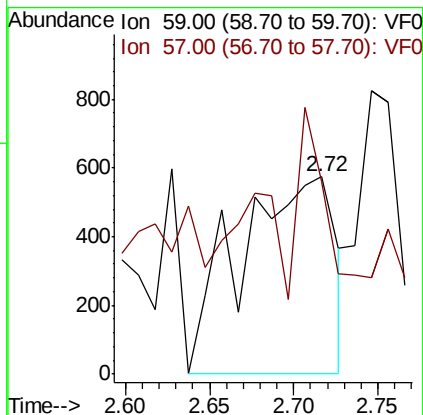
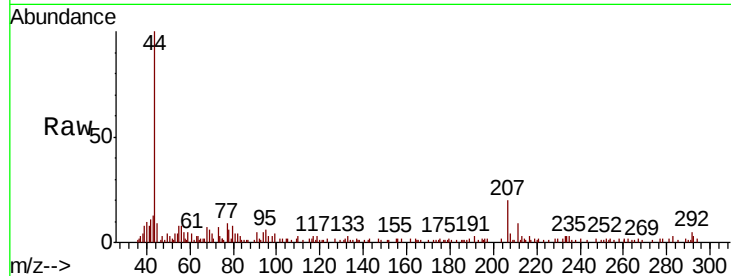


#11

Tert butyl alcohol
Concen: 5.703 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Instrument :
MSVOA_F
ClientSampleId :

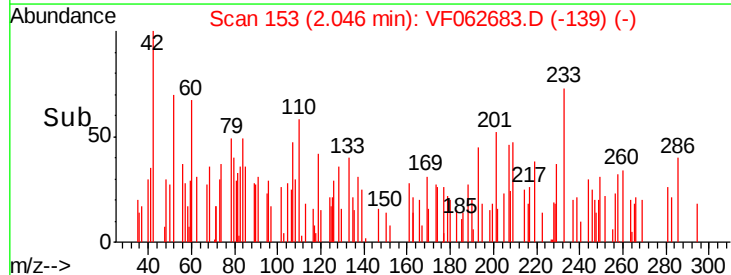
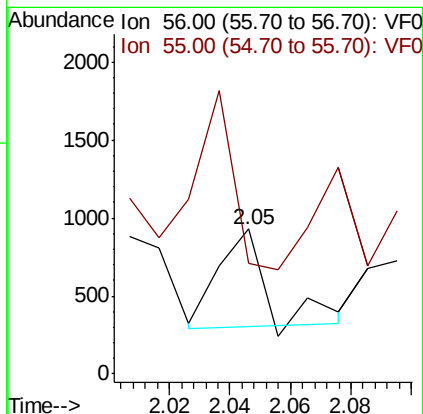
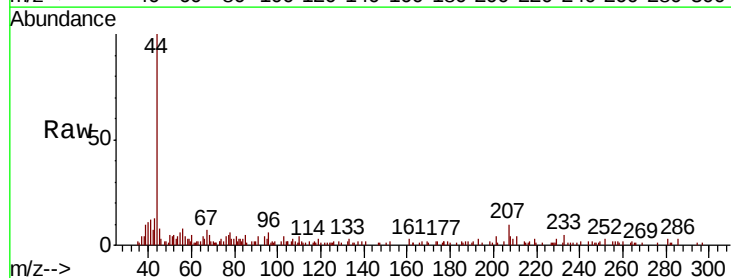
Tot Ion: 59 Resp: 2268
Ion Ratio Lower Upper
59 100
57 130.1 9.3 13.9#

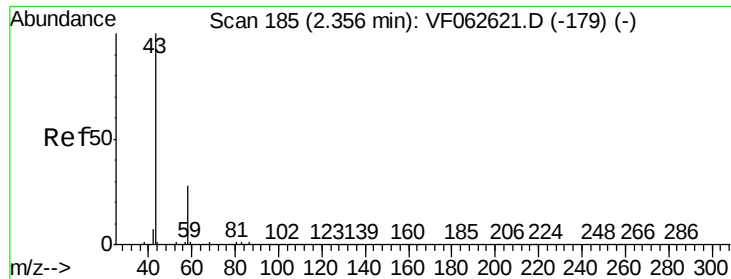


#13

Acrolein
Concen: 1.730 ug/l
RT: 2.05 min Scan# 153
Delta R.T. -0.06 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Tgt Ion: 56 Resp: 718
Ion Ratio Lower Upper
56 100
55 76.6 59.4 89.0

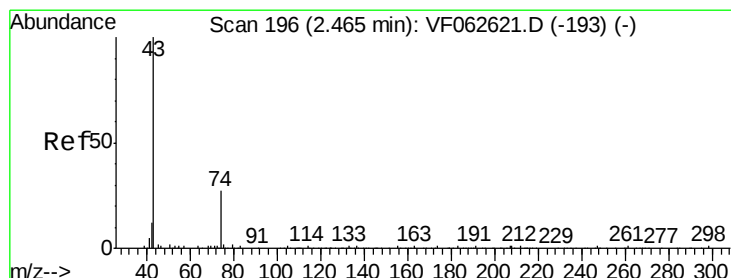
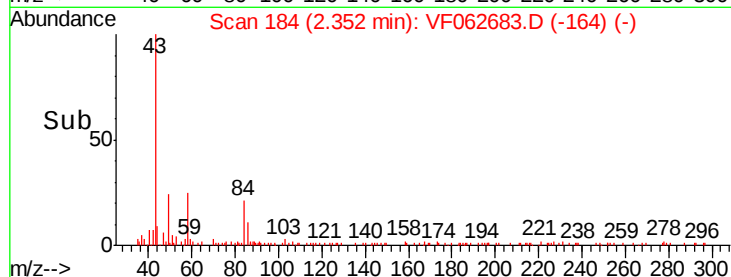
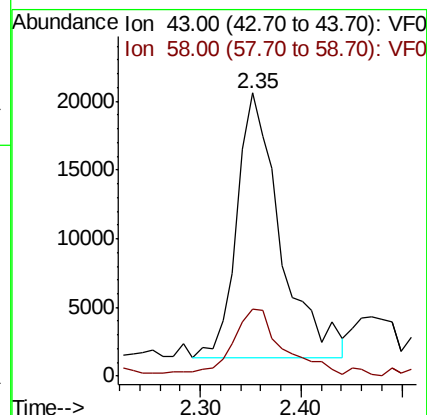
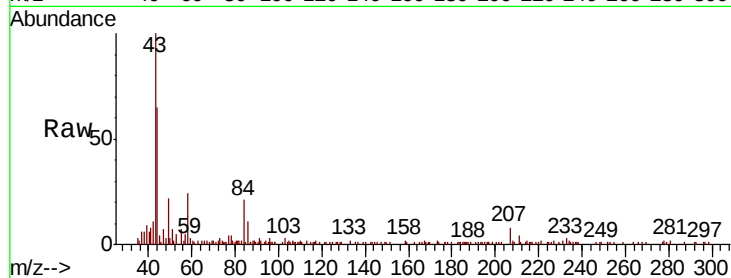




#16
Acetone
Concen: 37.458 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

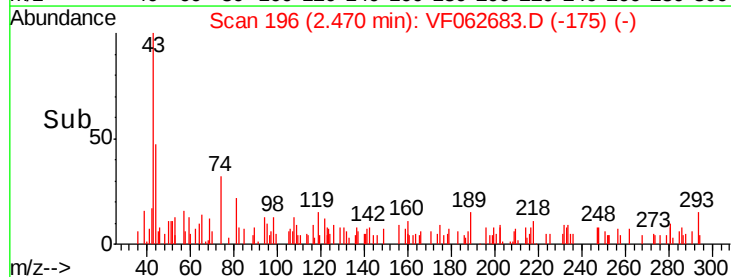
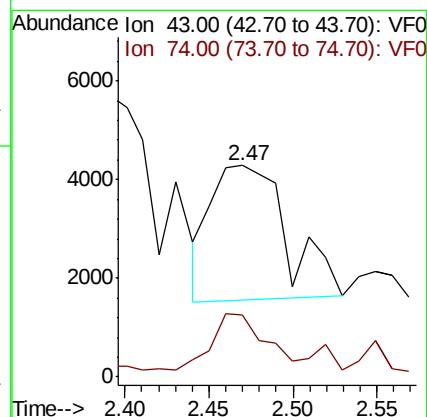
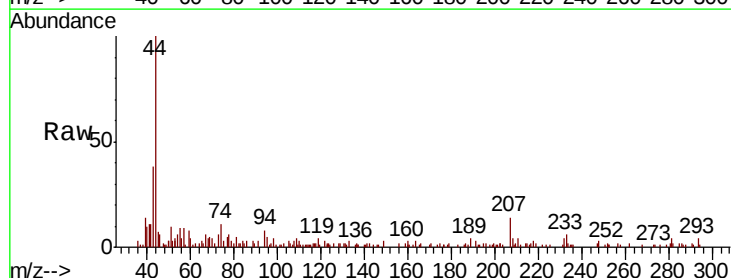
Instrument :
MSVOA_F
ClientSampleId :

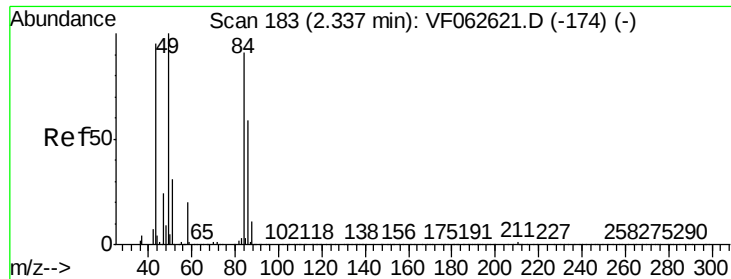
Tot Ion: 43 Resp: 58534
Ion Ratio Lower Upper
43 100
58 23.7 22.6 33.8



#18
Methyl Acetate
Concen: 3.491 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Tgt Ion: 43 Resp: 8573
Ion Ratio Lower Upper
43 100
74 29.5 18.9 28.3#

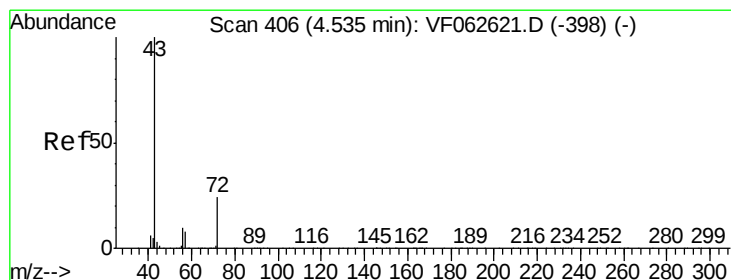
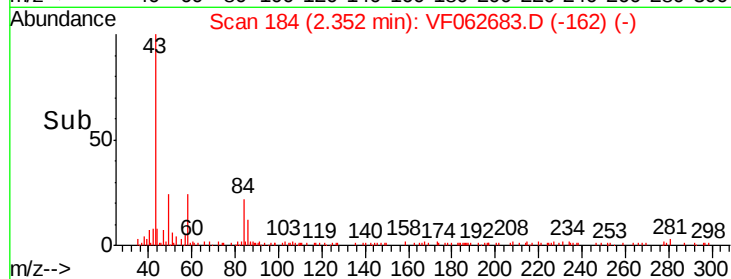
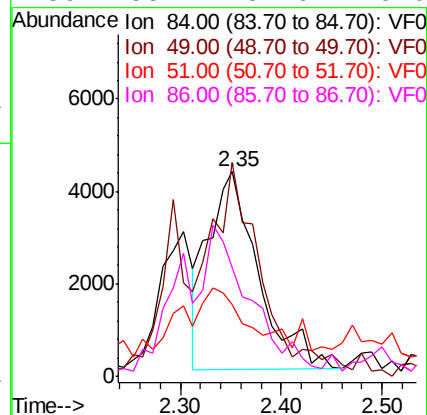
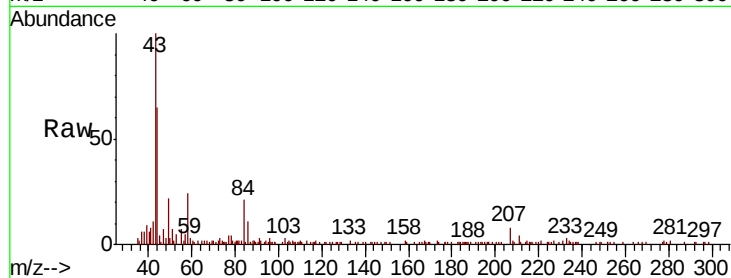




#20
Methvlene Chloride
Concen: 1.891 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

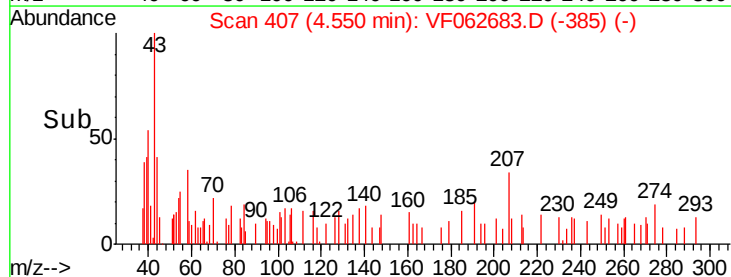
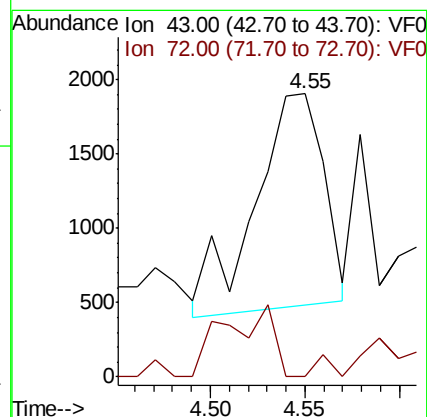
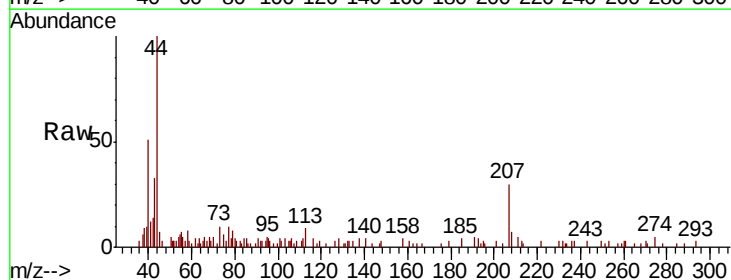
Instrument :
MSVOA_F
ClientSampleId :

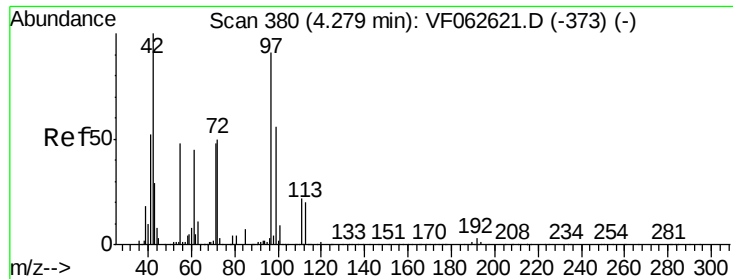
Tot Ion:	84	Resp:	14814
Ion	Ratio	Lower	Upper
84	100		
49	104.4	89.8	134.8
51	34.8	28.4	42.6
86	53.1	52.6	79.0



#25
2-Butanone
Concen: 1.093 ug/l
RT: 4.55 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Tgt Ion:	43	Resp:	3648
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.1	30.1#

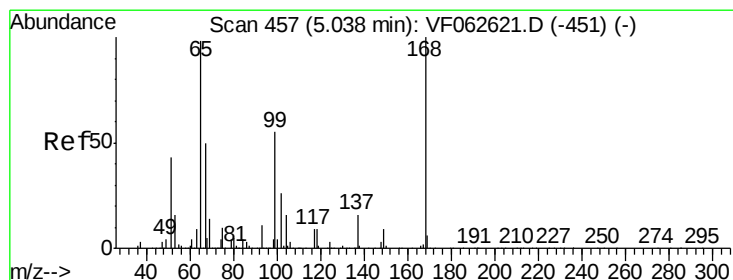
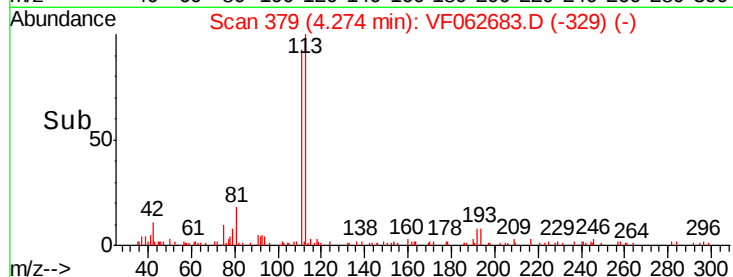
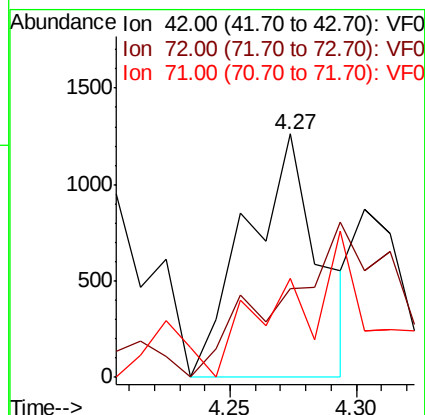
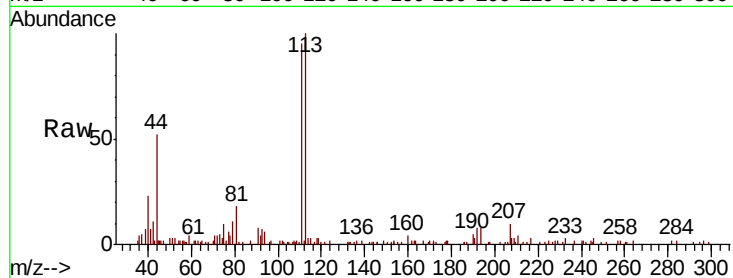




#29
Tetrahydrofuran
Concen: 1.864 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

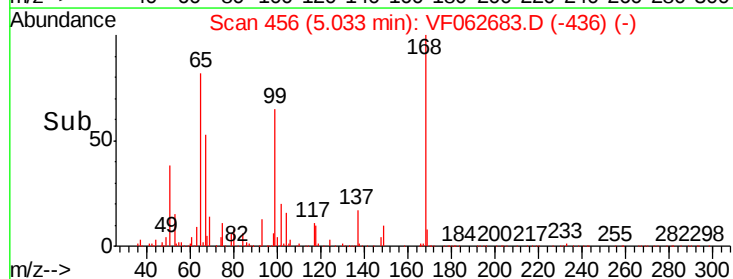
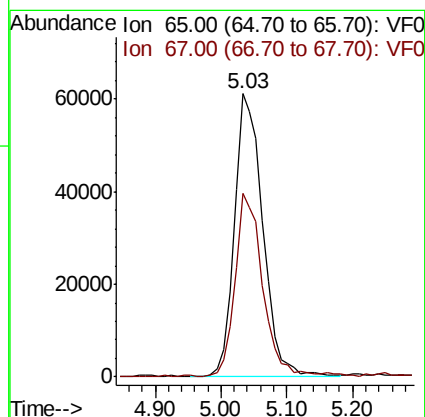
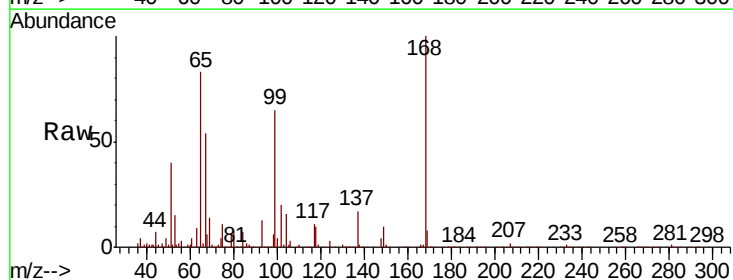
Instrument :
MSVOA_F
ClientSampleId :

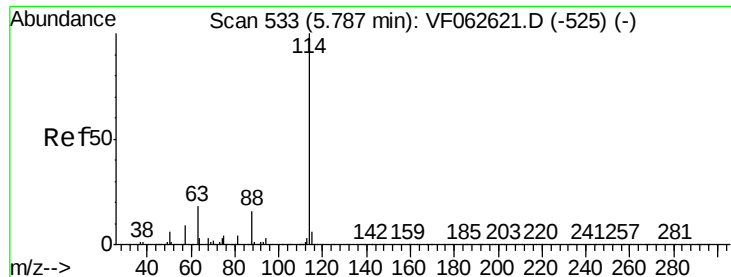
Tot Ion: 42 Resp: 2519
Ion Ratio Lower Upper
42 100
72 98.2 38.2 57.2#
71 80.7 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 30.786 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Tgt Ion: 65 Resp: 185440
Ion Ratio Lower Upper
65 100
67 65.0 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062683.D

Acq: 21 May 2019 15:19

Instrument :

MSVOA_F

ClientSampleId :

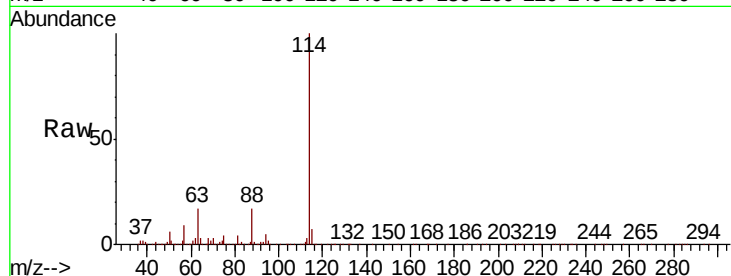
Tot Ion:114 Resp: 1413717

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.4
88	16.7	0.0	32.4

114 100

63 17.4 0.0 35.4

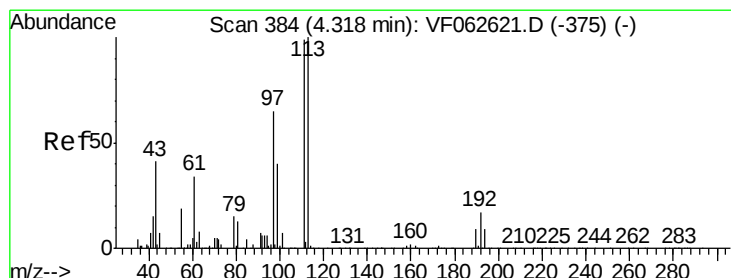
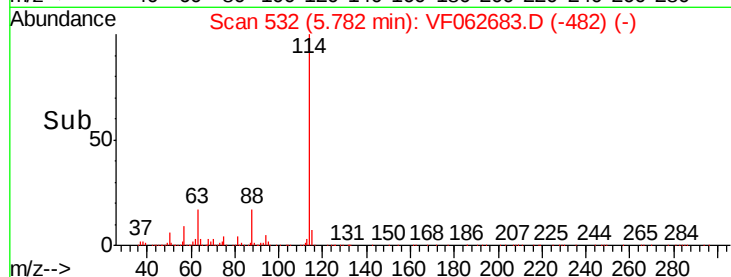
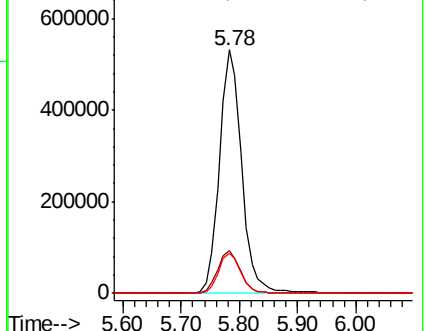
88 16.7 0.0 32.4



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: 35.774 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062683.D

Acq: 21 May 2019 15:19

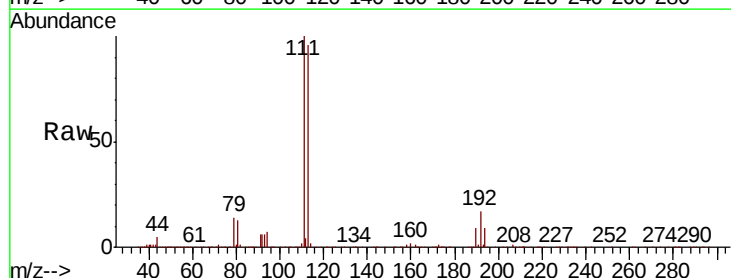
Tgt Ion:113 Resp: 386999

Ion	Ratio	Lower	Upper
113	100		
111	104.5	79.4	119.2
192	17.7	13.4	20.2

113 100

111 104.5 79.4 119.2

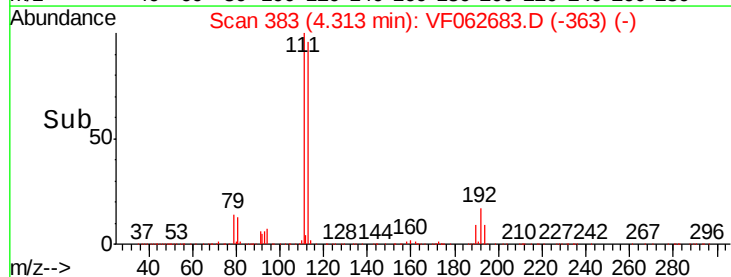
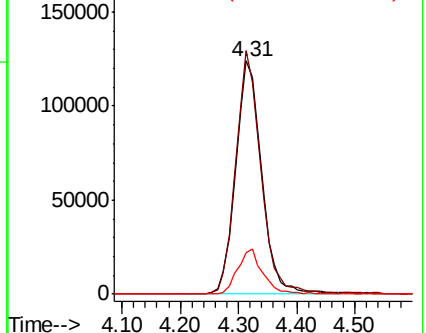
192 17.7 13.4 20.2

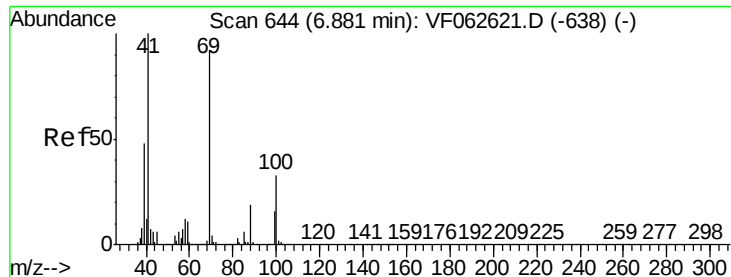


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 3.294 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062683.D

Acq: 21 May 2019 15:19

Instrument :
MSVOA_F
ClientSampled :

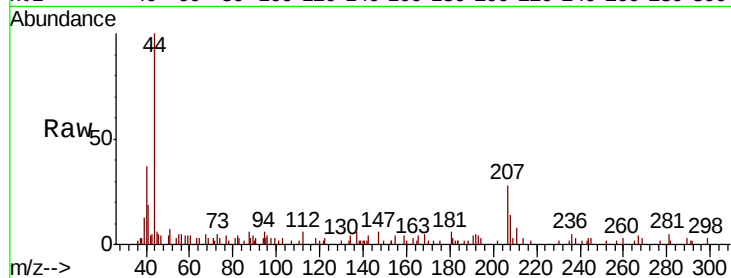
Tot Ion: 88 Resp: 169

Ion Ratio Lower Upper

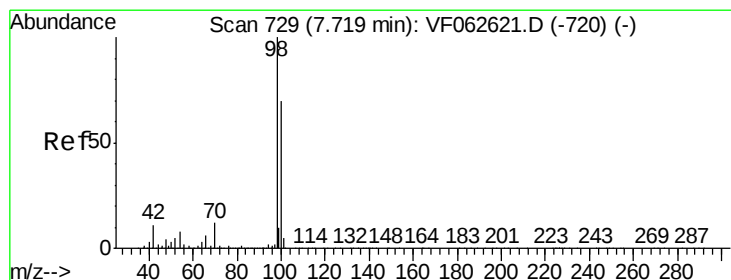
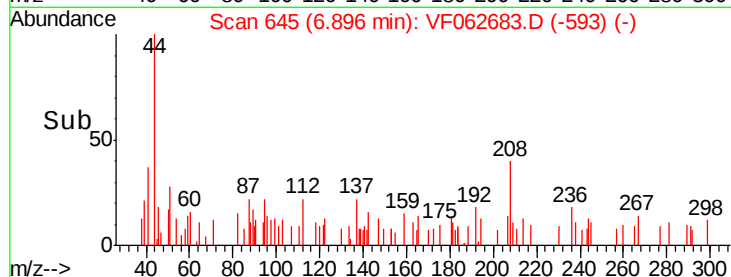
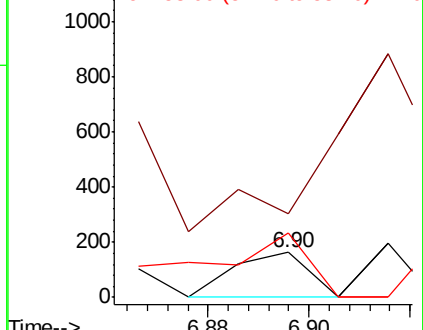
88 100

43 185.9 30.0 45.0#

58 143.6 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: 29.834 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062683.D

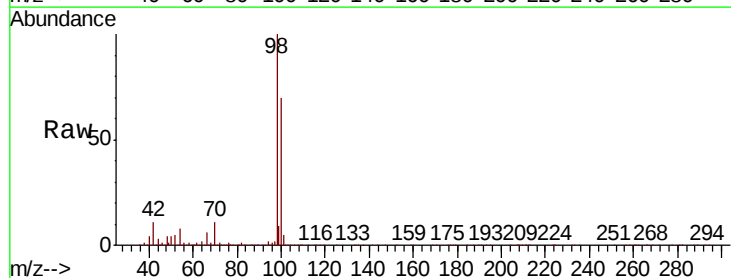
Acq: 21 May 2019 15:19

Tgt Ion: 98 Resp: 770585

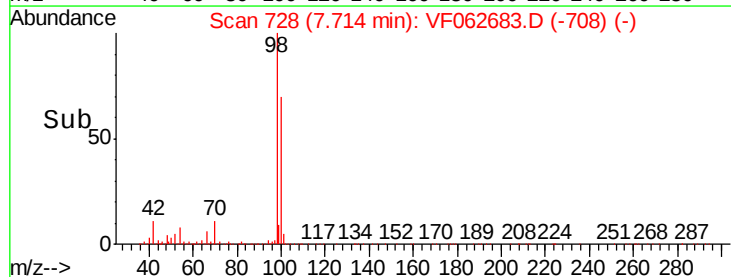
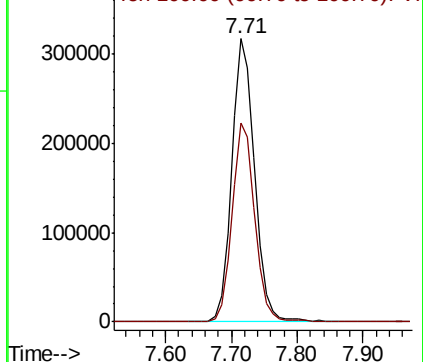
Ion Ratio Lower Upper

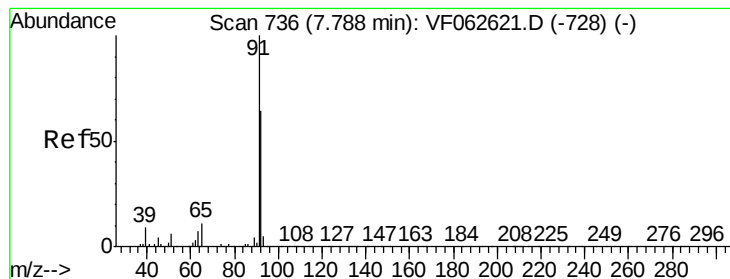
98 100

100 70.4 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 4.165 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062683.D

Acq: 21 May 2019 15:19

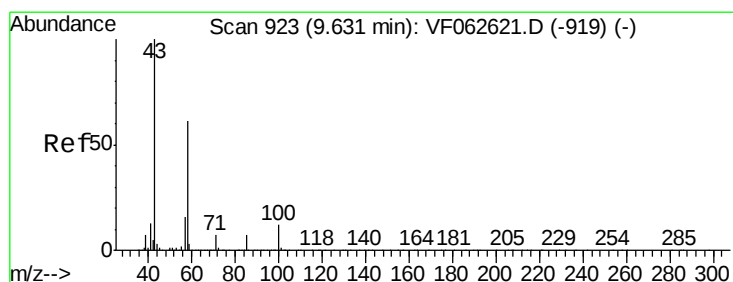
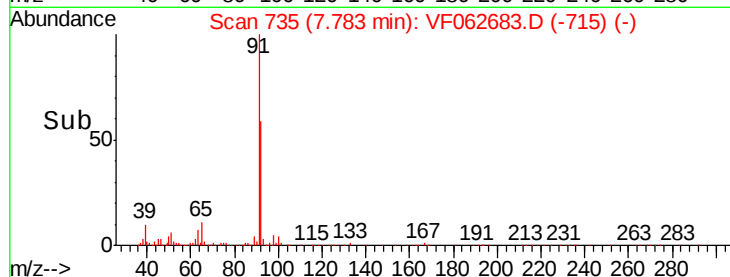
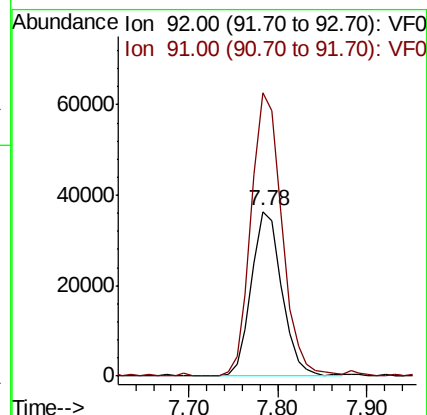
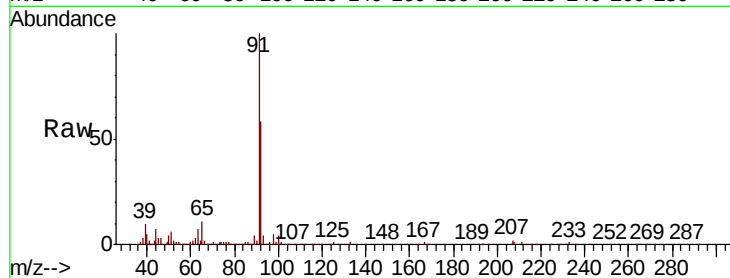
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 86213

Ion Ratio Lower Upper

92 100

91 171.8 125.4 188.0



#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 922

Delta R.T. -0.00 min

Lab File: VF062683.D

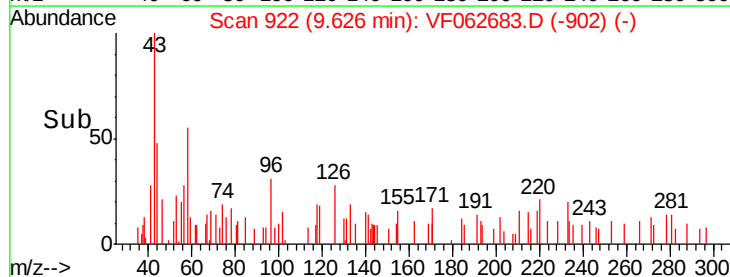
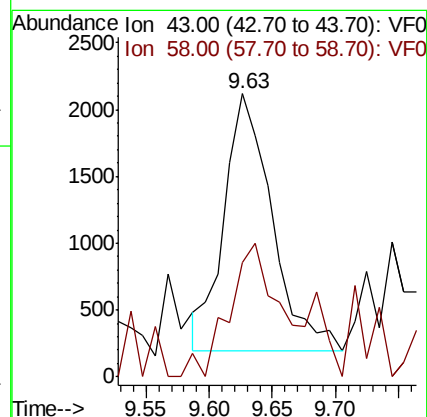
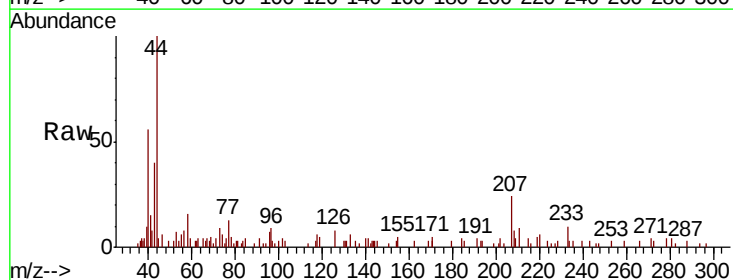
Acq: 21 May 2019 15:19

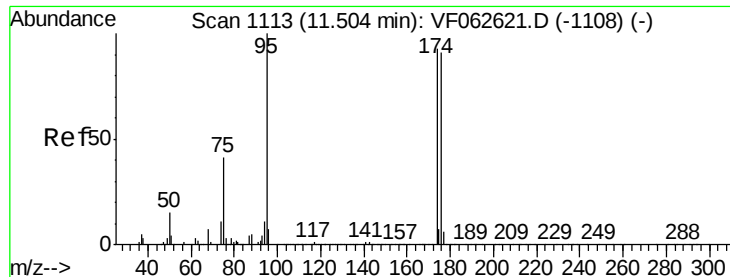
Tgt Ion: 43 Resp: 5057

Ion Ratio Lower Upper

43 100

58 40.4 28.1 84.4

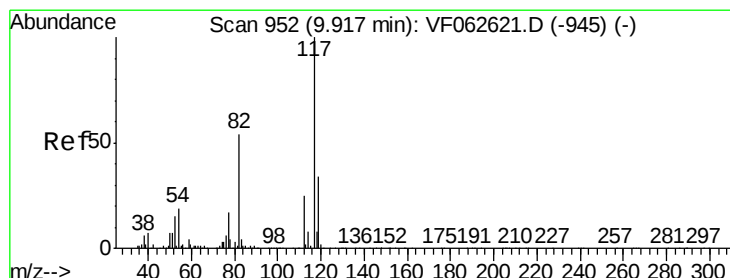
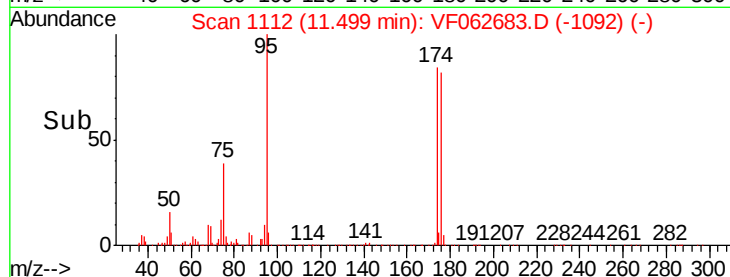
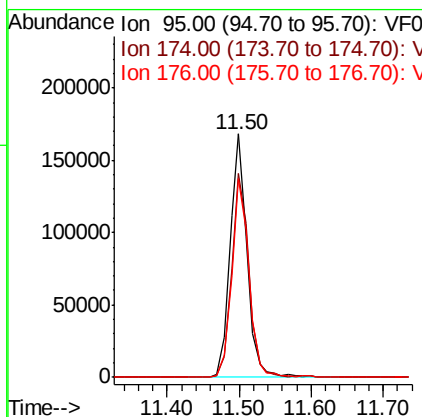
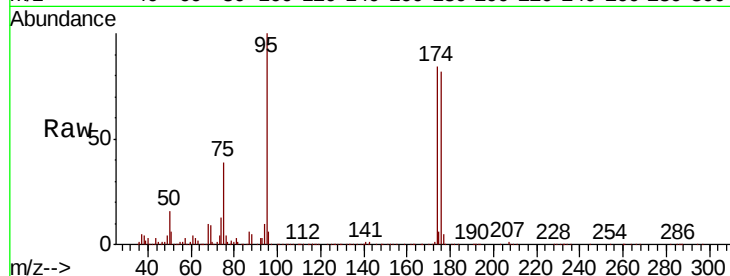




#62
4-Bromofluorobenzene
Concen: 27.792 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

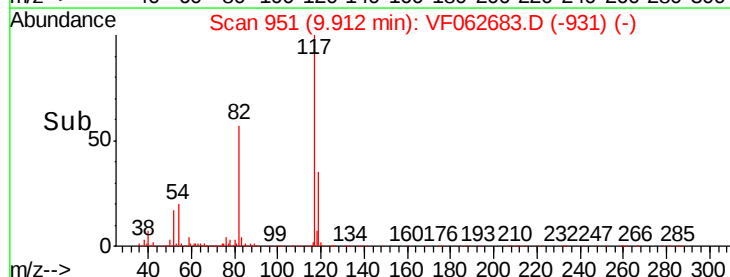
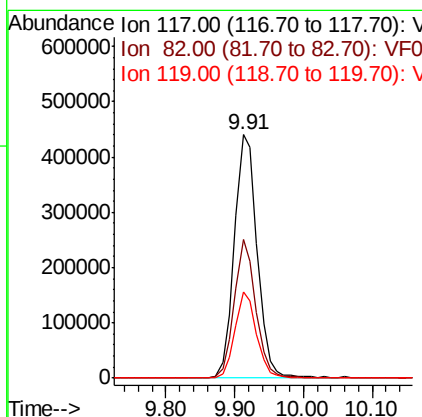
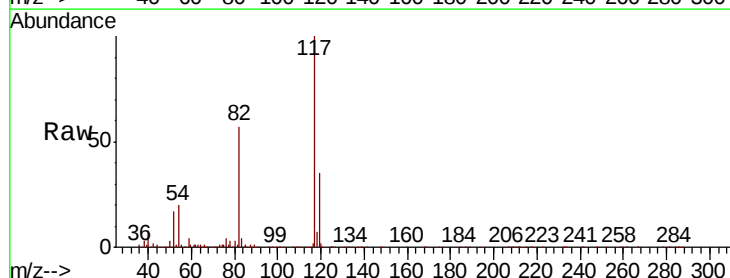
Instrument :
MSVOA_F
ClientSampleId :

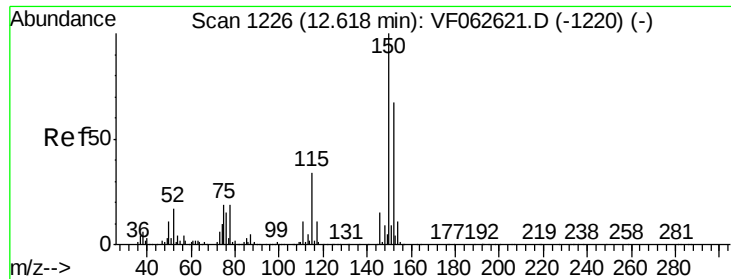
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	185.6
176	81.9	0.0	182.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	43.3	64.9
119	35.3	27.4	41.0



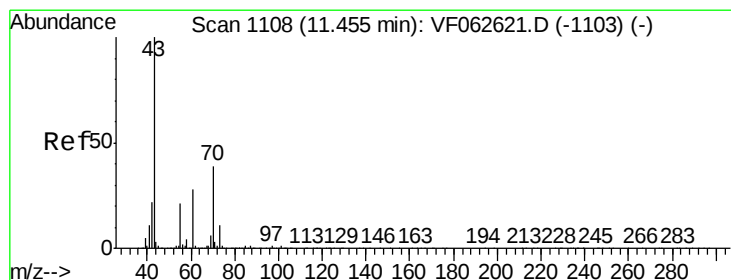
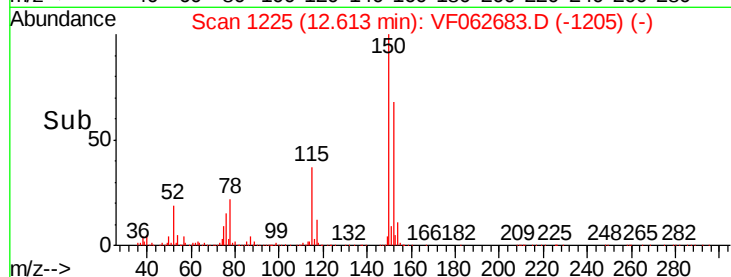
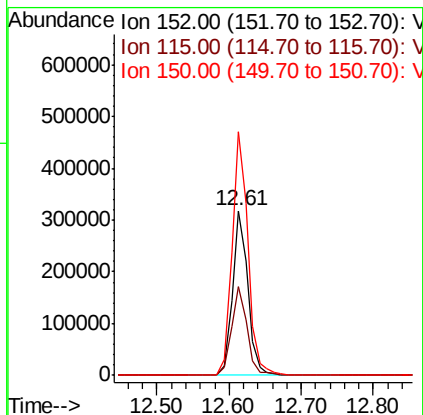
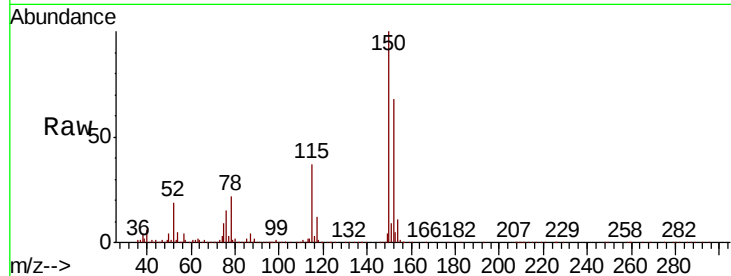


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	25.2	75.6
150	147.7	0.0	306.2



#74

N-amil acetate
Concen: Below Cal
RT: 11.45 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	58.6	30.9	46.3#
55	118.5	17.0	25.4#
61	0.0	22.6	34.0#

