

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 :
 TP-11-D2RE

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

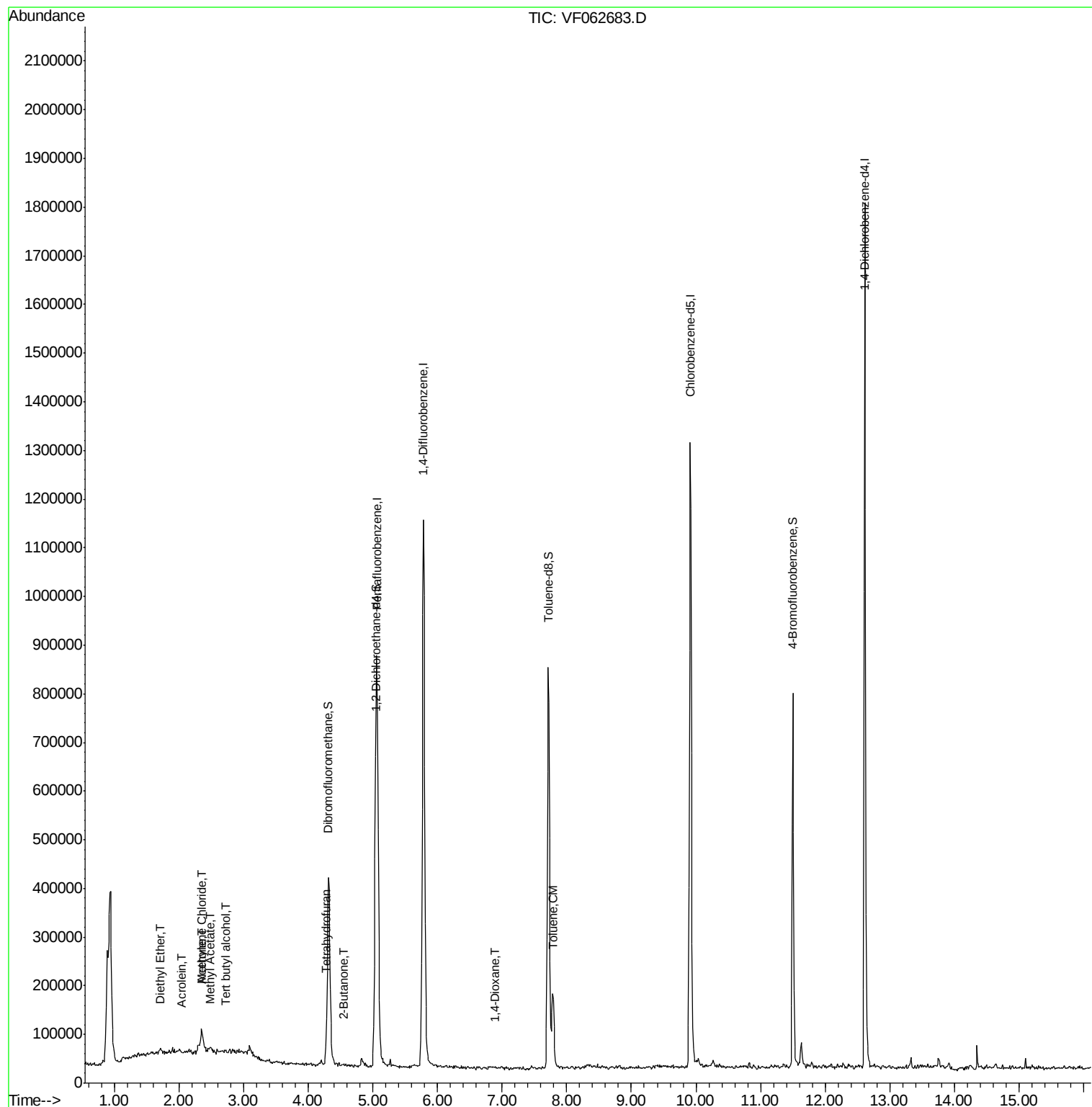
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	852396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1413717	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	1012912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	473907	50.00	ug/l	0.00
System Monitoring 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

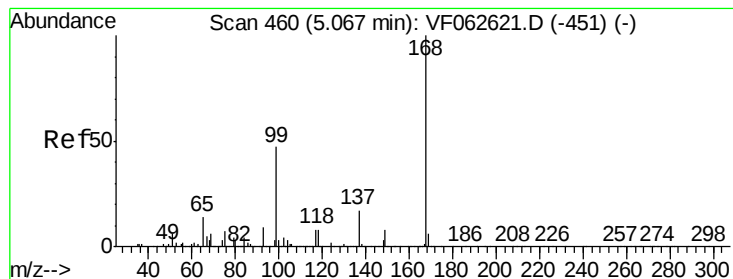
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

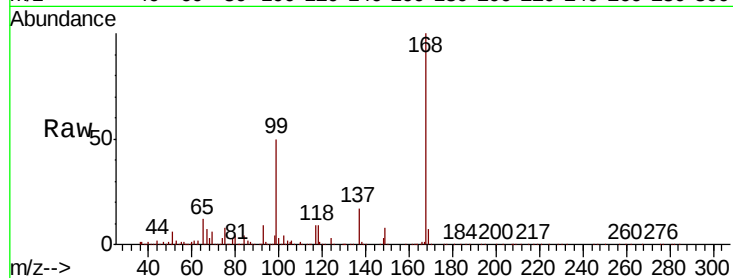
TP-11-D2RE

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

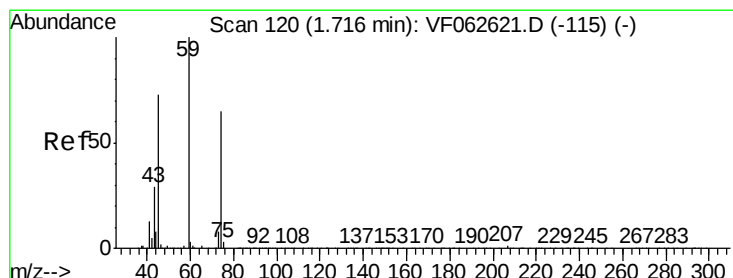
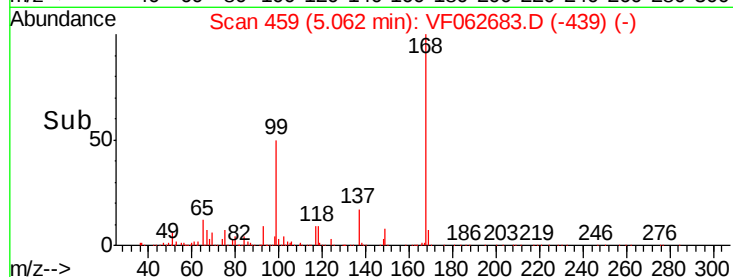
150000

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

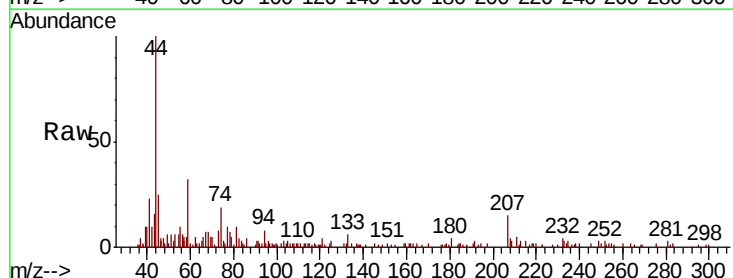
Acq: 21 May 2019 15:19

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

3000

2500

2000

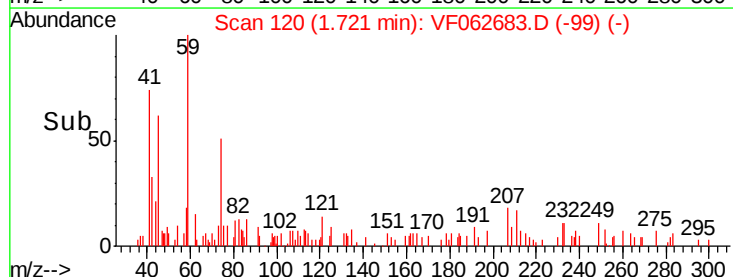
1500

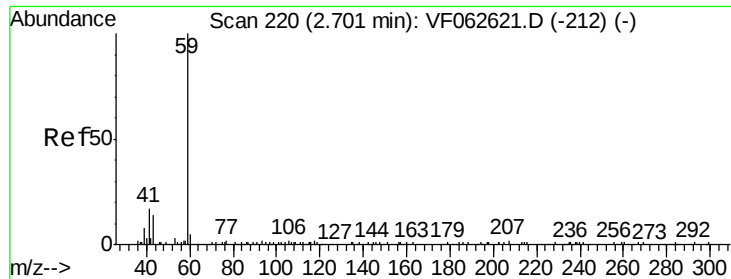
1000

500

0

Time-->

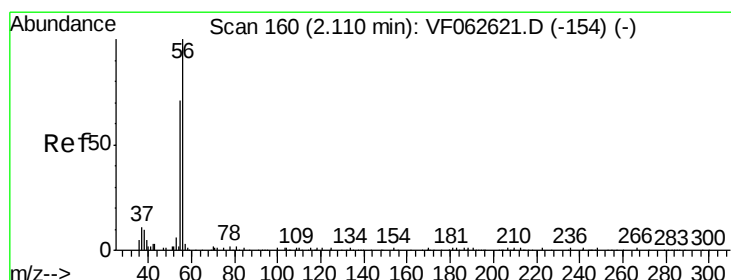
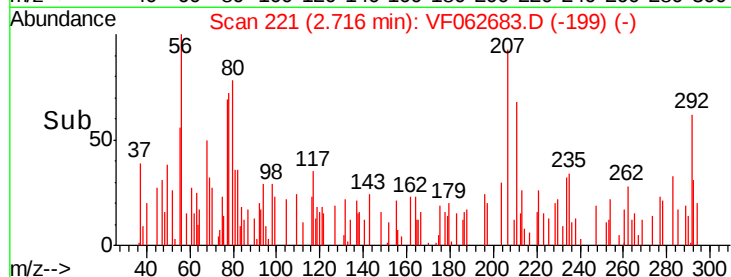
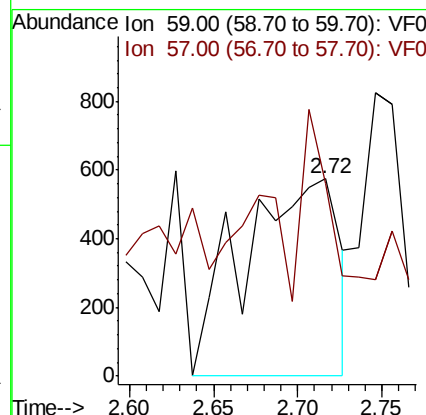
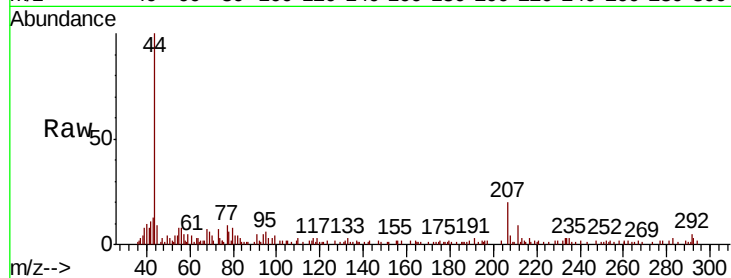




#11
Tert butyl alcohol
Concen: 5.703 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

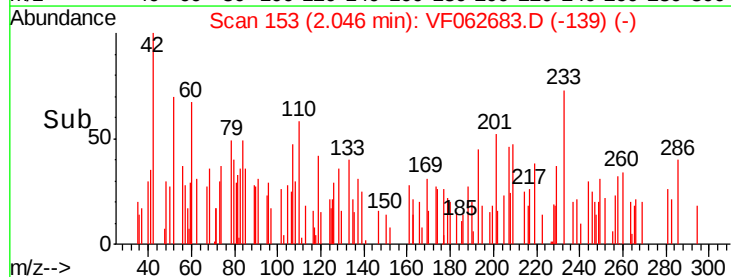
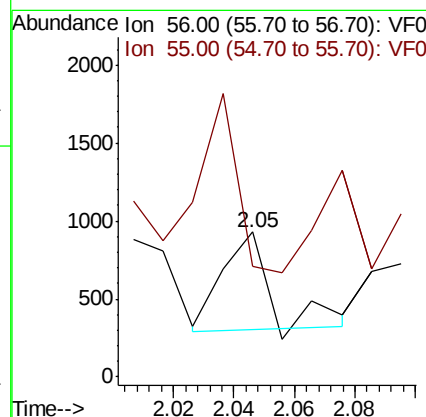
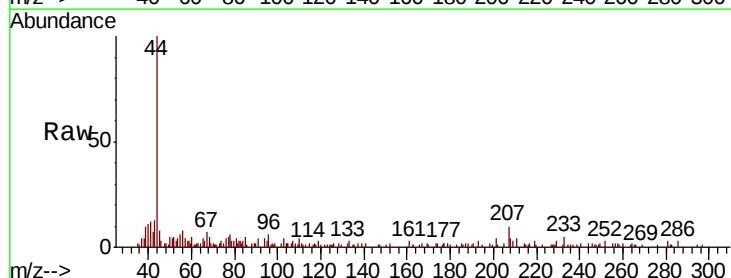
Instrument :
MSVOA_F
ClientSampleID :
TP-11-D2RE

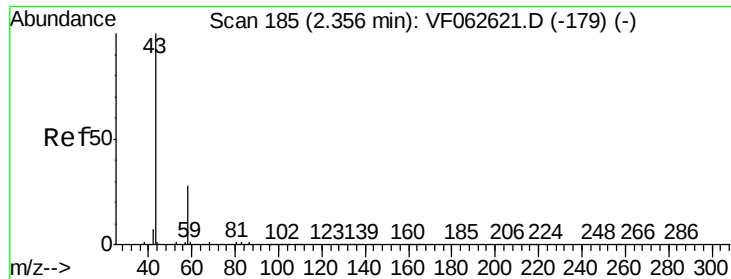
Tot Ion: 59 Resp: 2268
Ion Ratio Lower Upper
59 100
57 130.1 9.3 13.9#



#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

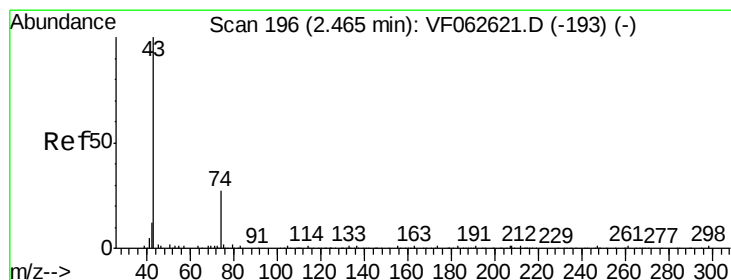
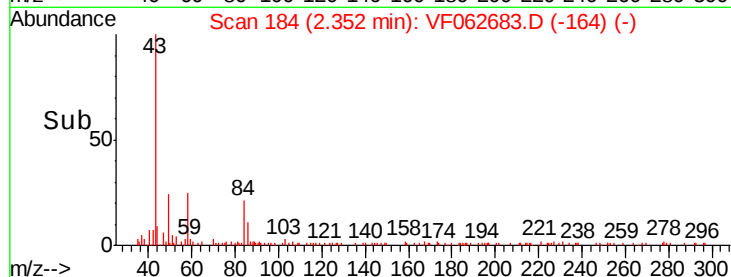
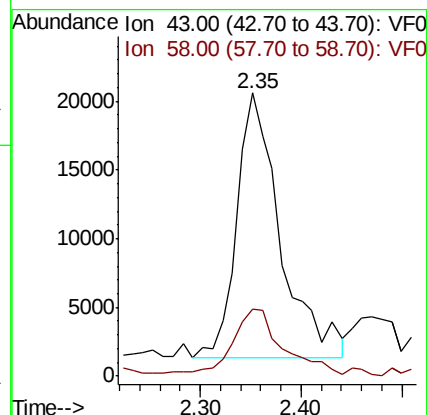
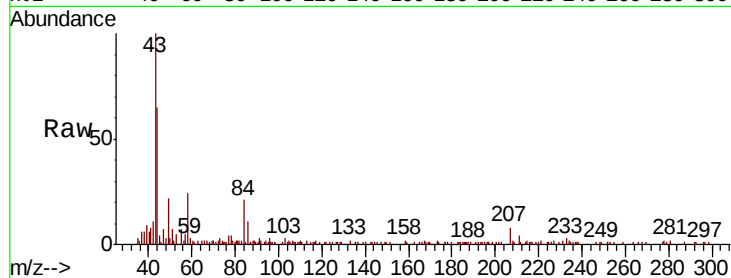




#16
Acetone
Concen: 37.458 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

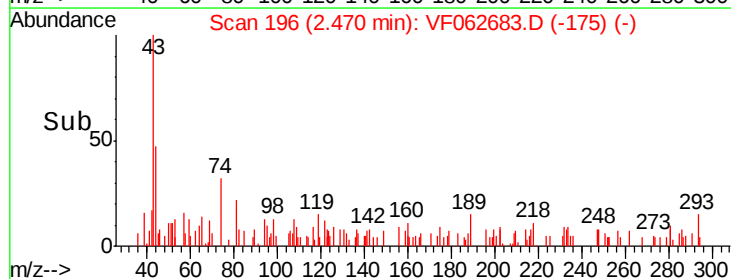
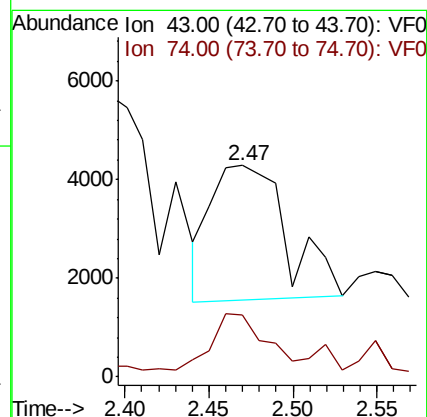
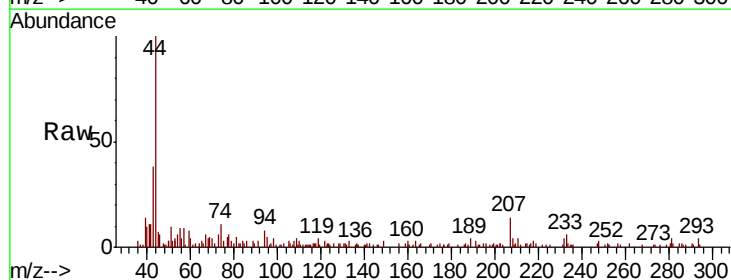
Instrument :
MSVOA_F
ClientSampleId :
TP-11-D2RE

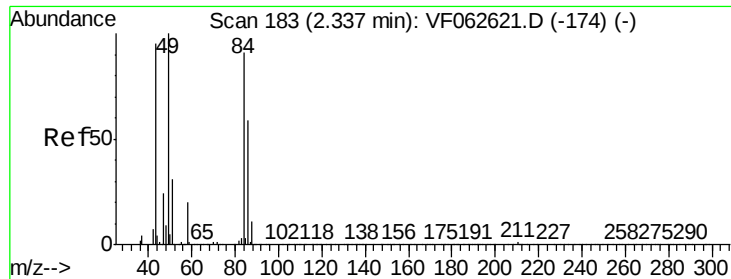
Tot Ion: 43 Resp: 58534
Ion Ratio Lower Upper
43 100
58 23.7 22.6 33.8



#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#

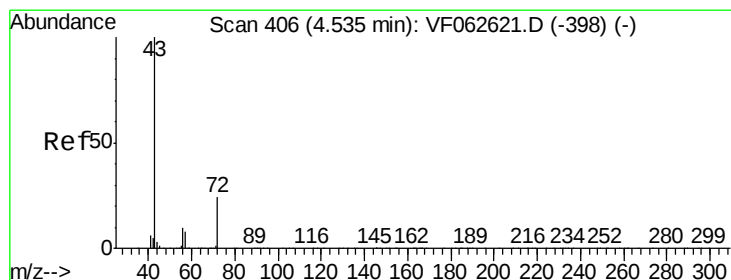
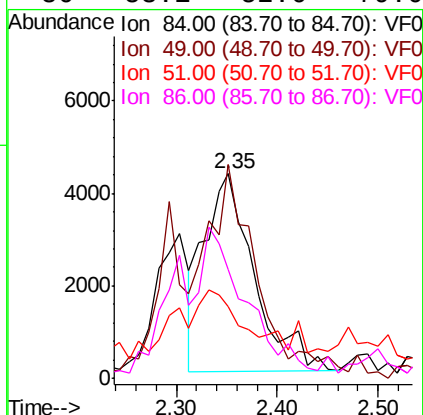
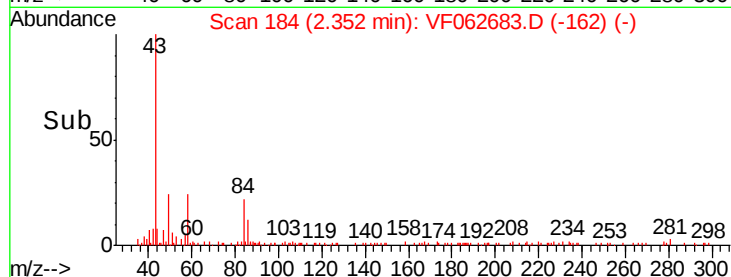
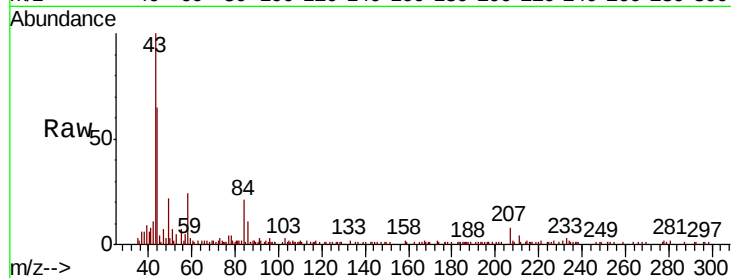




#20
Methvlene Chloride
Concen: 1.891 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

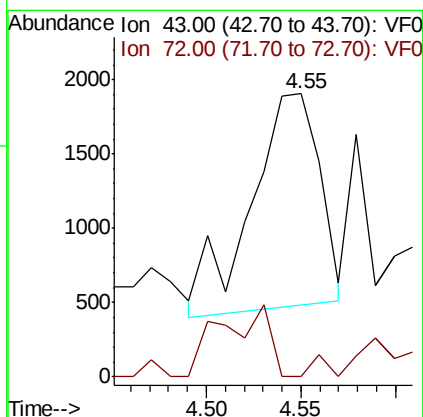
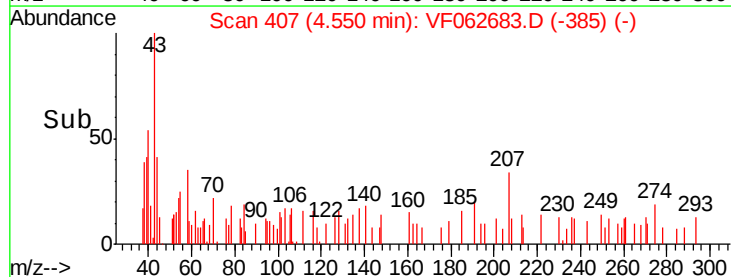
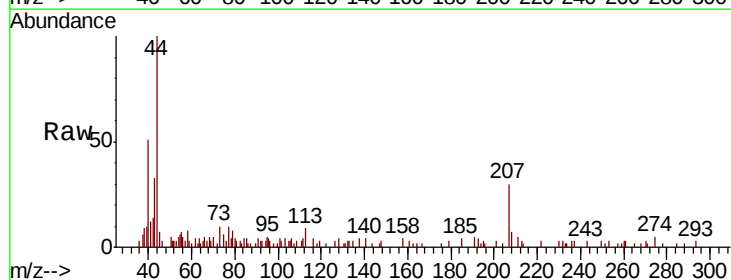
Instrument :
MSVOA_F
ClientSampleId :
TP-11-D2RE

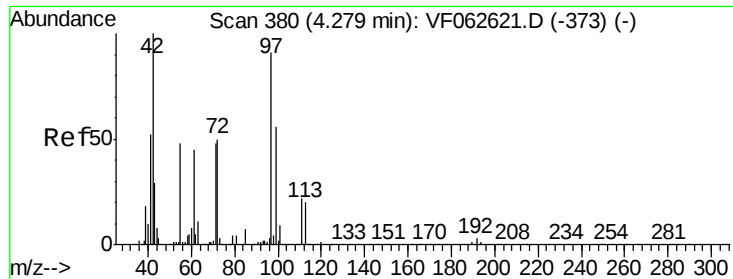
Tot Ion:	84	Resp:	14814
Ion	Ratio	Lower	Upper
84	100		
49	104.4	89.8	134.8
51	34.8	28.4	42.6
86	53.1	52.6	79.0



#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#

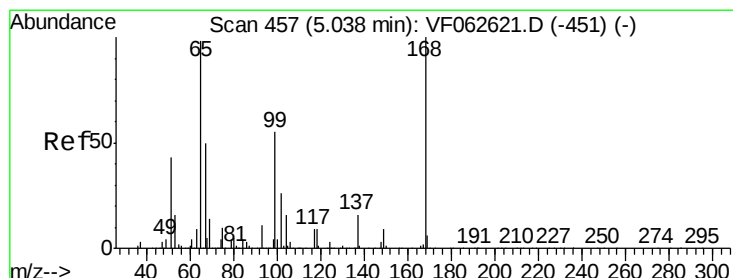
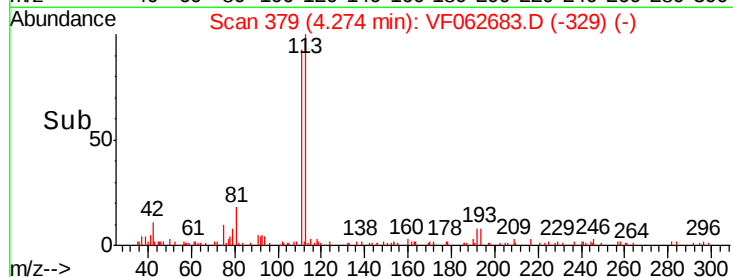
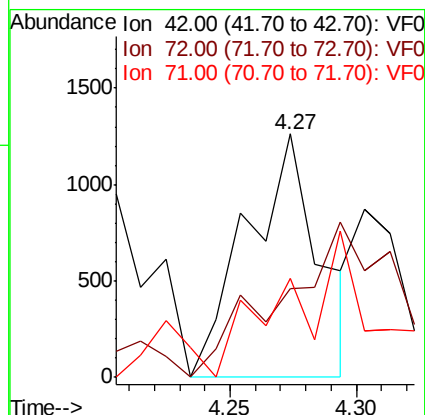
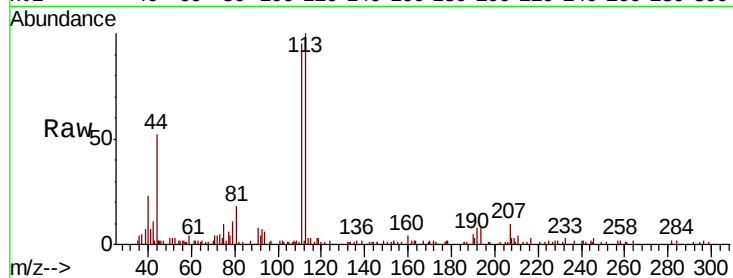




#29
Tetrahydrofuran
Concen: 1.864 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

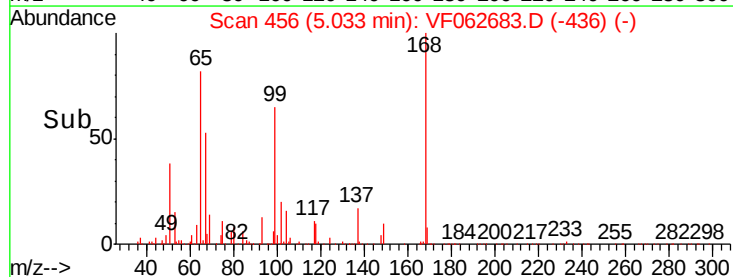
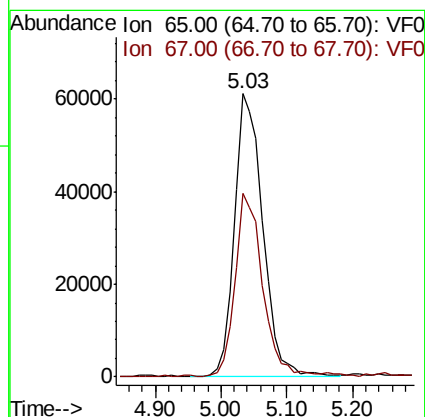
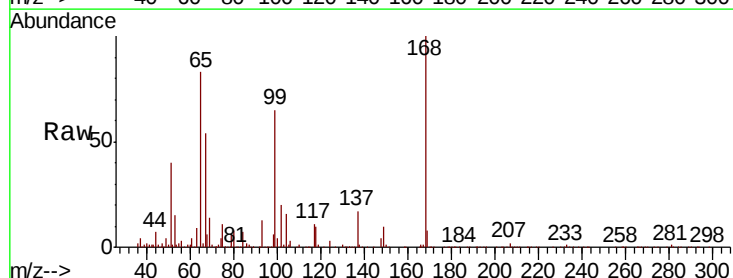
Instrument :
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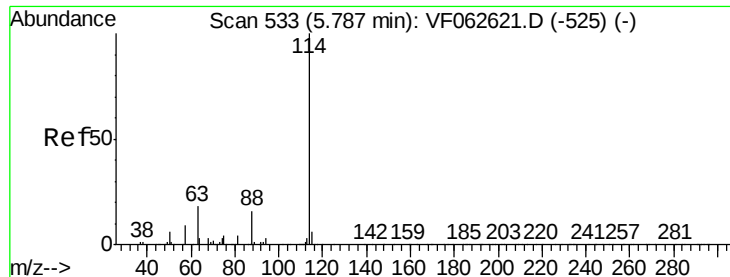
Tot Ion: 42 Resp: 2519
Ion Ratio Lower Upper
42 100
72 98.2 38.2 57.2#
71 80.7 35.8 53.6#



#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 :

TP-11-D2RE

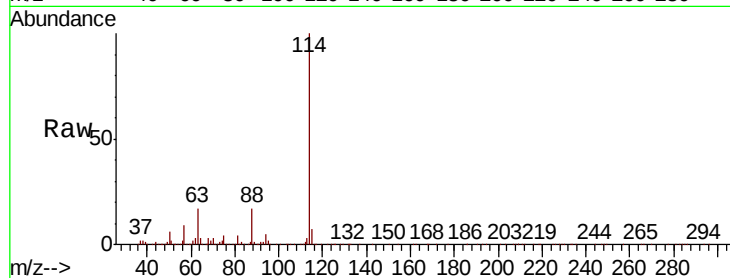
Tot Ion:114 Resp: 1413717

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

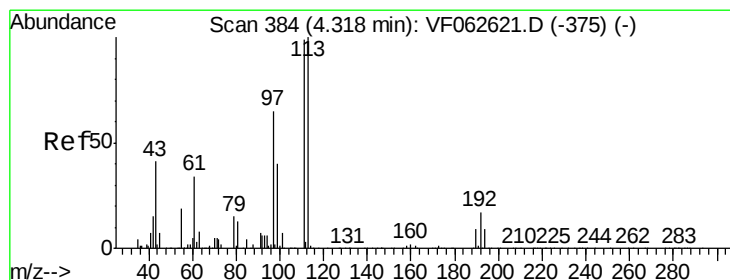
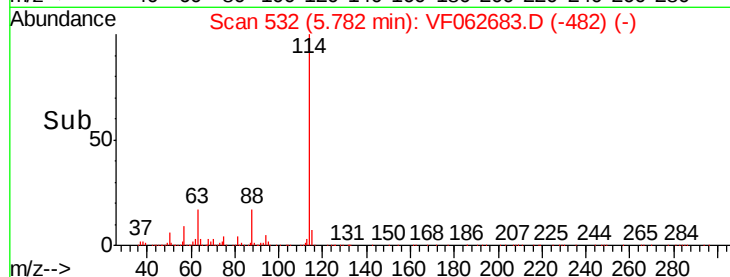
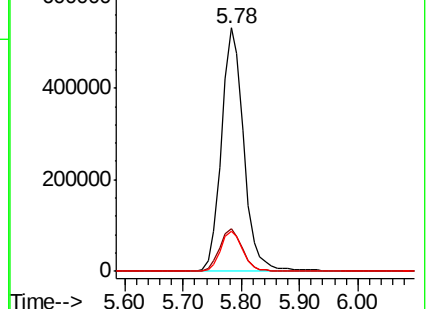
88 16.7 0.0 32.4



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

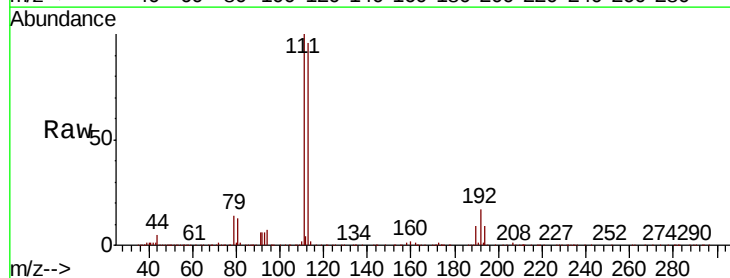
Tgt Ion:113 Resp: 386999

Ion Ratio Lower Upper

113 100

111 104.5 79.4 119.2

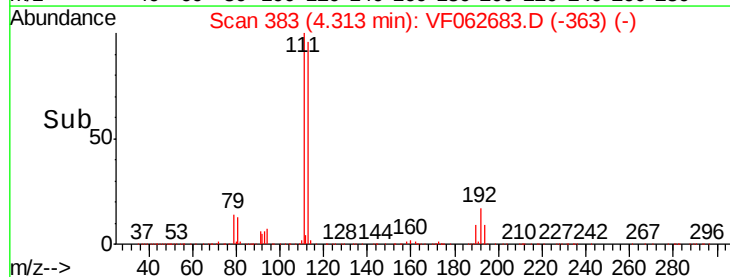
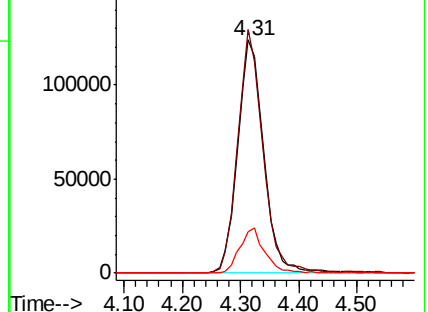
192 17.7 13.4 20.2

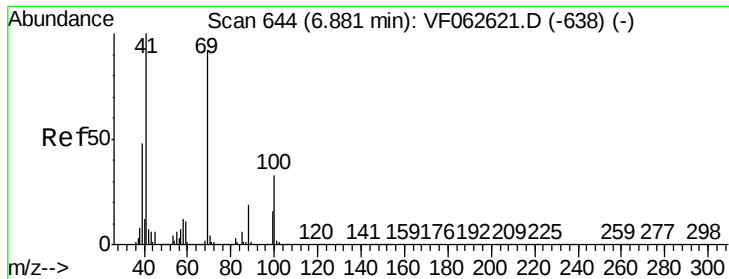


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

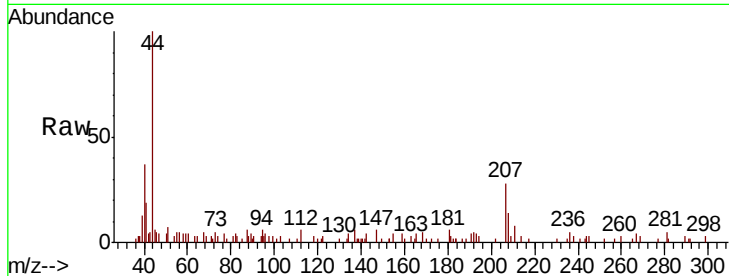




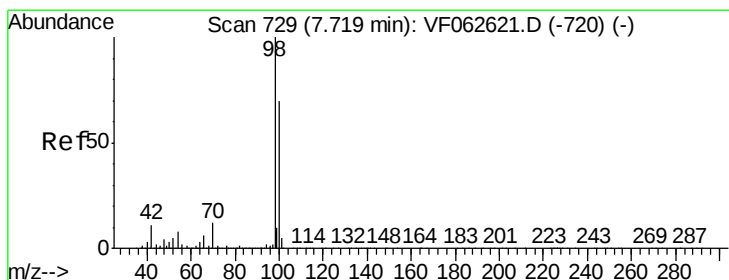
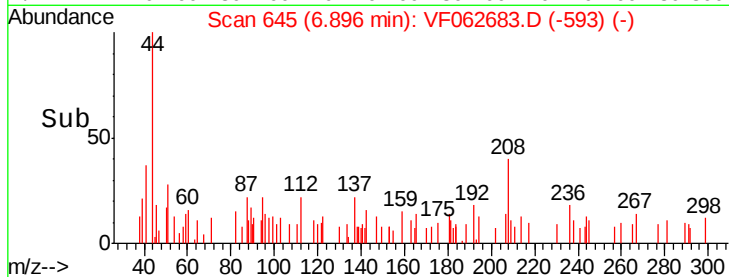
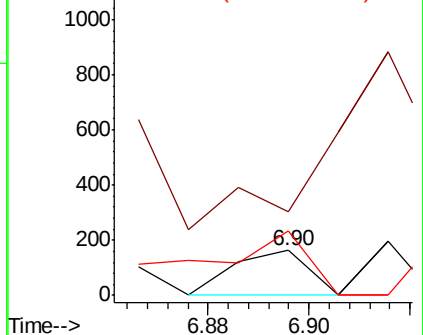
#49
1,4-Dioxane
Concen: 3.294 ug/l
RT: 6.90 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

Instrument :
MSVOA_F
ClientSampleId :
TP-11-D2RE

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#

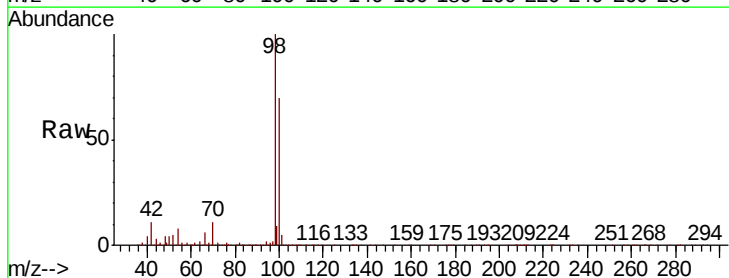


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

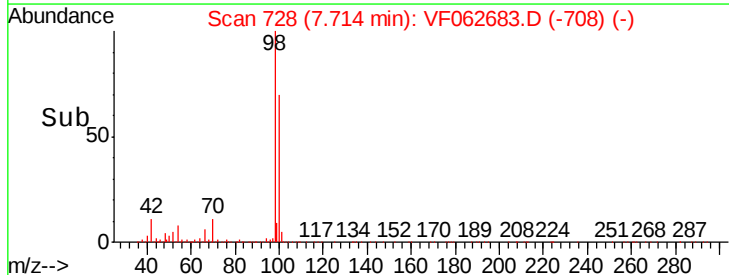
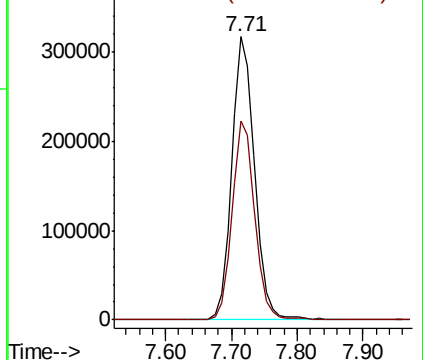


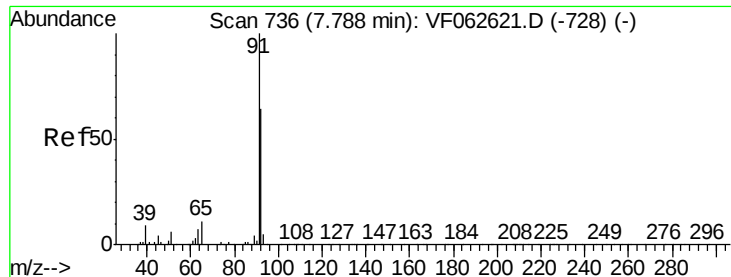
#50
Toluene-d8
Concen: 29.834 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062683.D
Acq: 21 May 2019 15:19

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 :

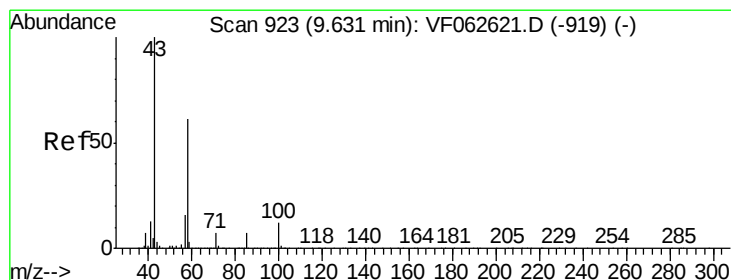
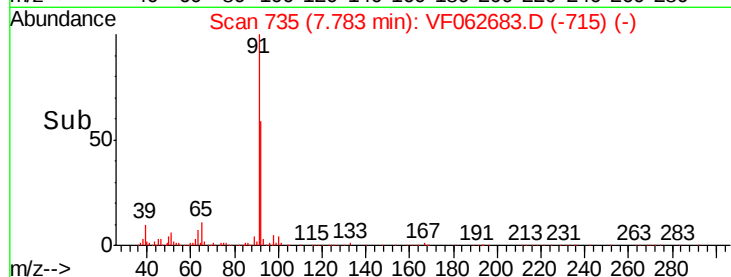
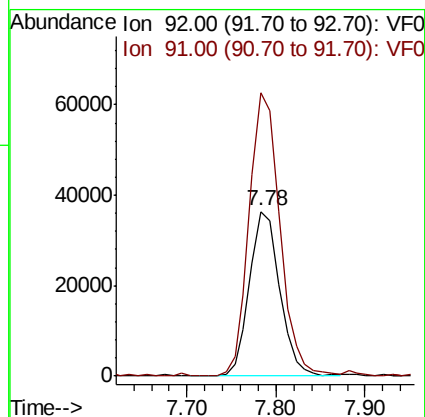
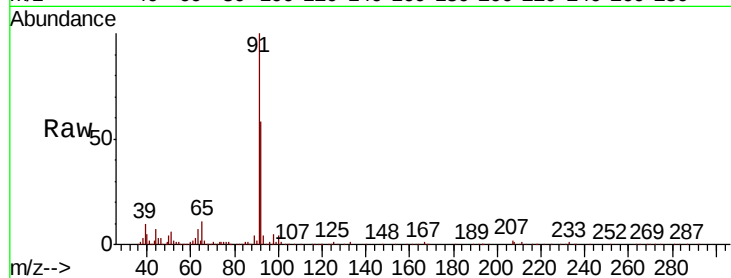
TP-11-D2RE

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

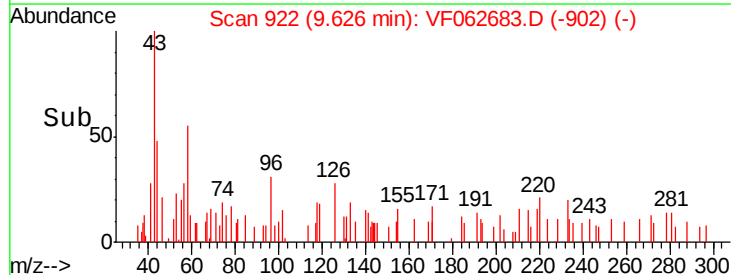
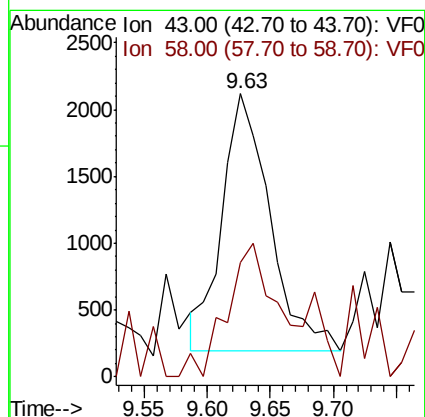
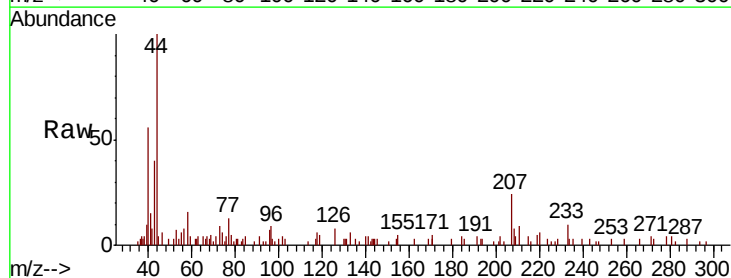
Acq: 21 May 2019 15:19

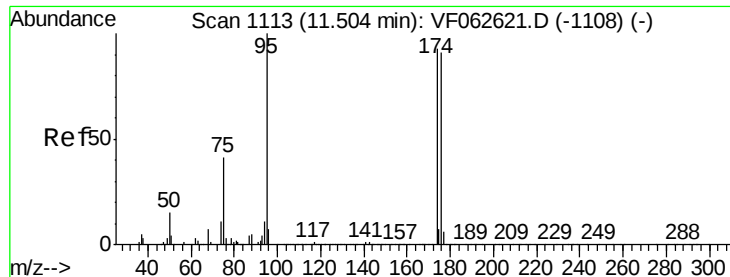
Tgt Ion: 43 Resp: 5057

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 :

TP-11-D2RE

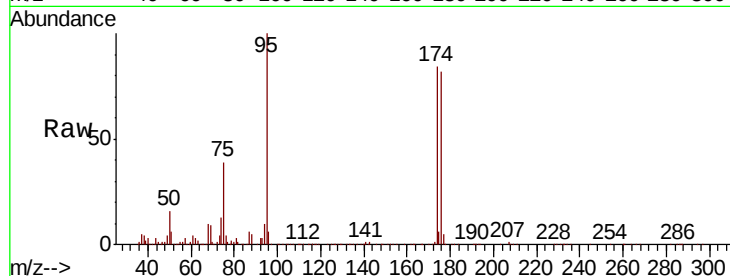
Tot Ion: 95 Resp: 272247

Ion Ratio Lower Upper

95 100

174 83.6 0.0 185.6

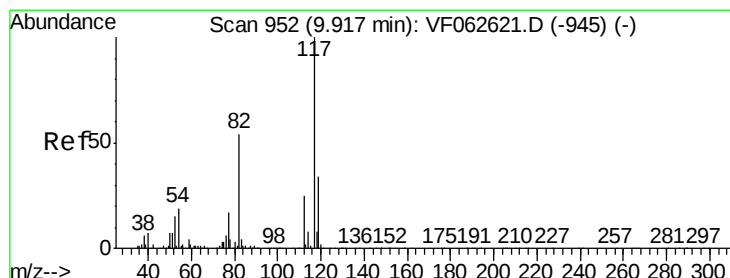
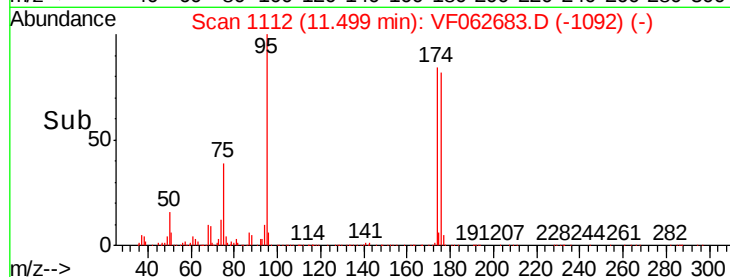
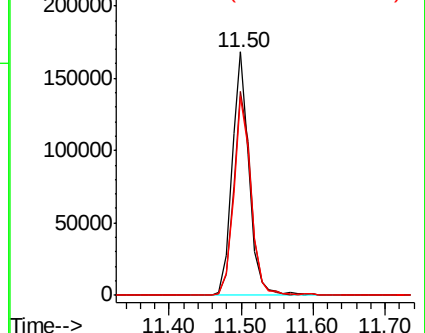
176 81.9 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#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

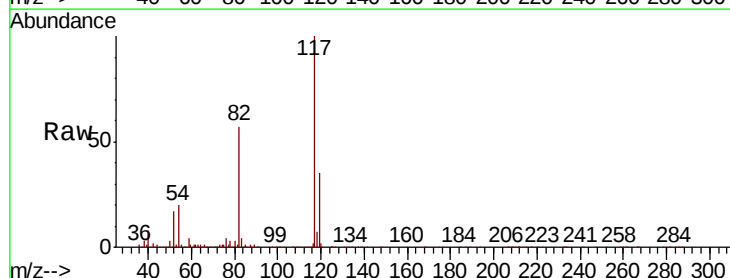
Tgt Ion: 117 Resp: 1012912

Ion Ratio Lower Upper

117 100

82 56.8 43.3 64.9

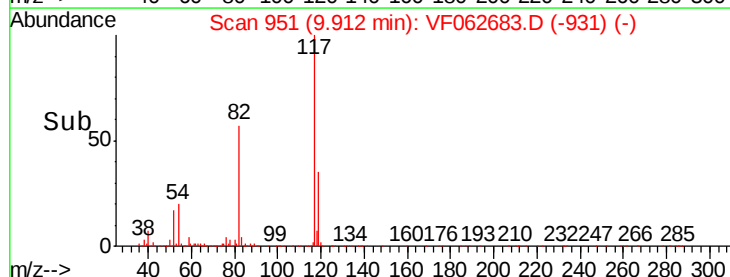
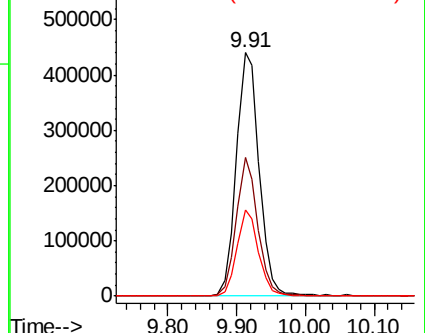
119 35.3 27.4 41.0

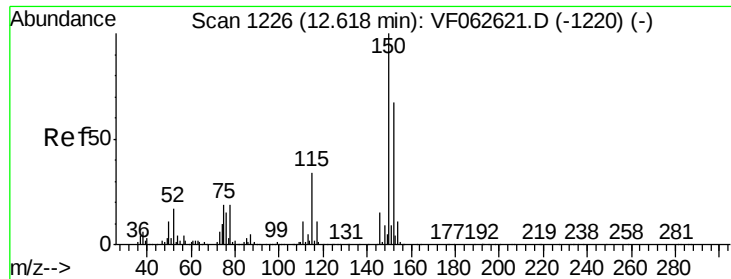


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



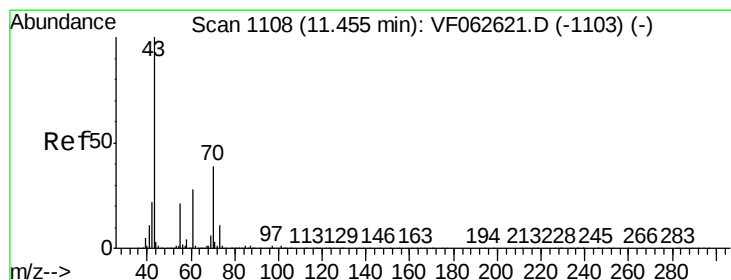
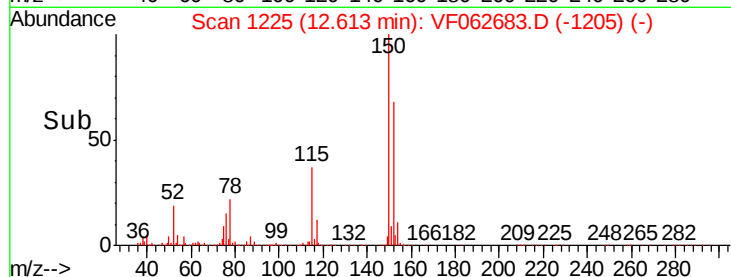
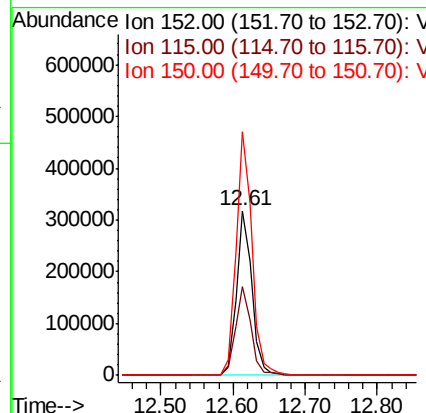
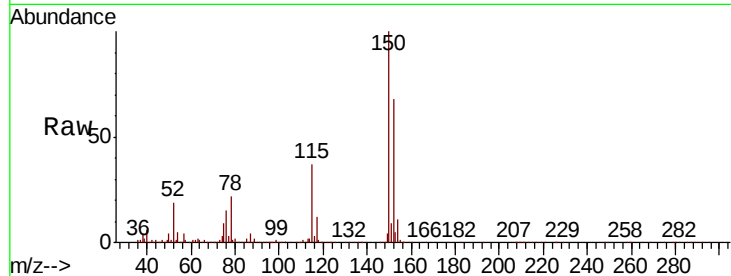


#72

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

Instrument :
MSVOA_F
ClientSampleId :
TP-11-D2RE

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



#74

N-ethyl 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#

