

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062786.D
 Acq On : 29 May 2019 17:14
 Operator : FY/SY
 Sample : K2642-07RE
 Misc : 6.04g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 30 08:41:54 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

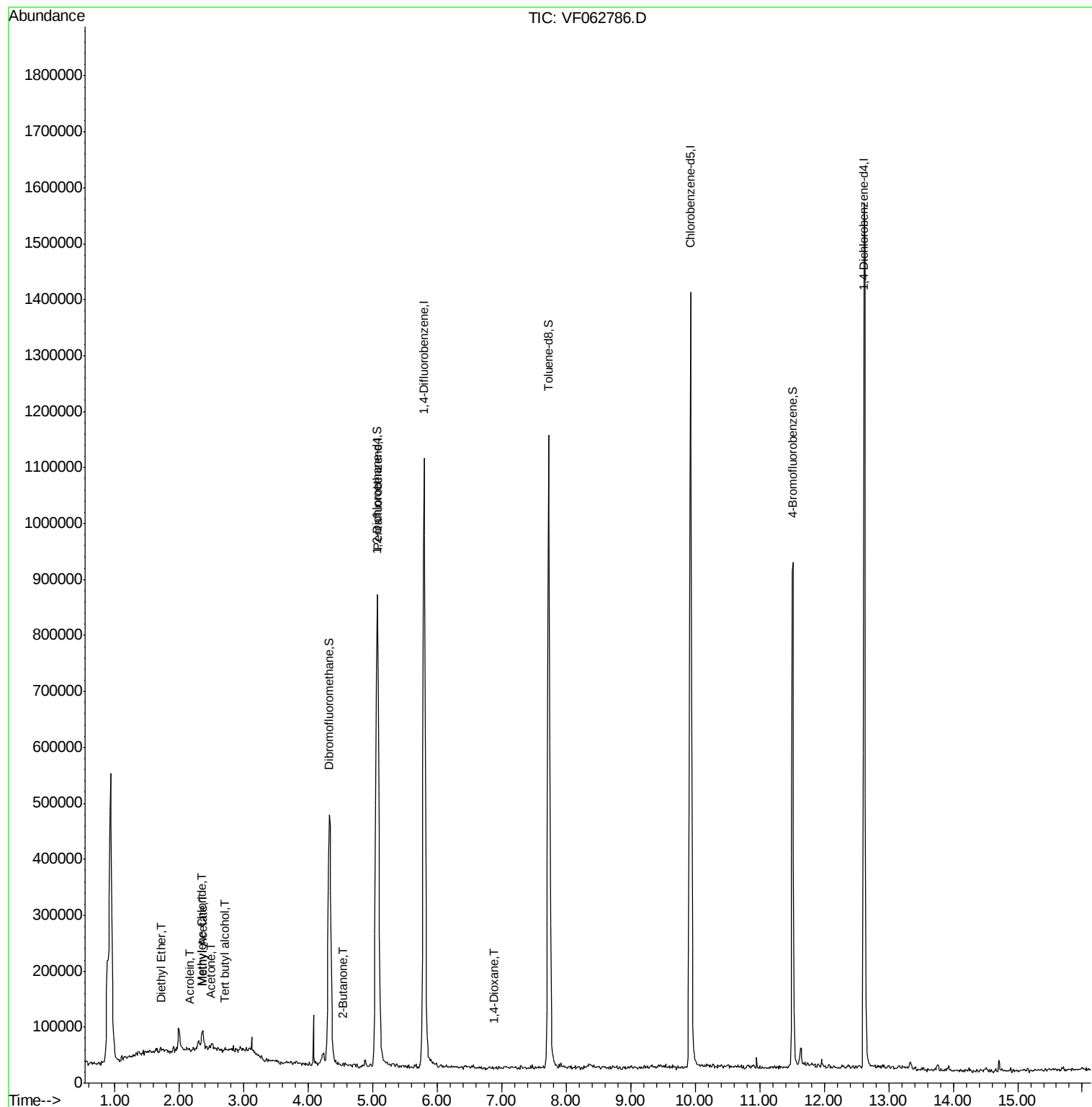
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	778712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1392556	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1066825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	438411	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	238405	43.32	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.64%	
35) Dibromofluoromethane	4.33	113	447706	42.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.02%	
50) Toluene-d8	7.73	98	1022208	40.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.36%	
62) 4-Bromofluorobenzene	11.50	95	353997	36.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.38%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.72	74	2564	1.073	ug/l	77
11) Tert butyl alcohol	2.71	59	3539	9.741	ug/l #	52
13) Acrolein	2.16	56	977	2.576	ug/l	89
16) Acetone	2.50	43	1582	1.108	ug/l	98
18) Methyl Acetate	2.37	43	46554	20.752	ug/l #	56
20) Methylene Chloride	2.35	84	10048	1.404	ug/l	92
25) 2-Butanone	4.54	43	3458	1.134	ug/l #	80
49) 1,4-Dioxane	6.88	88	294	5.818	ug/l #	41
59) 2-Hexanone	9.65	43	2575	Below Cal		72
74) N-amyl acetate	11.45	43	3286	Below Cal	#	77

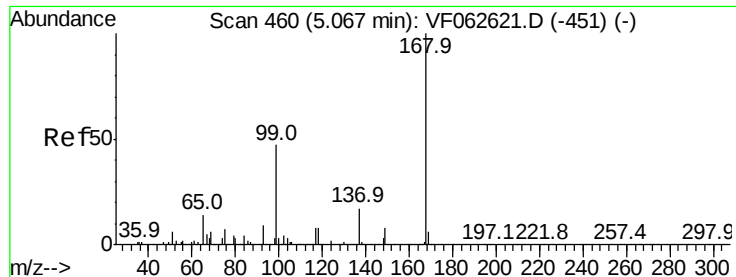
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 29 May 2019 17:14
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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: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

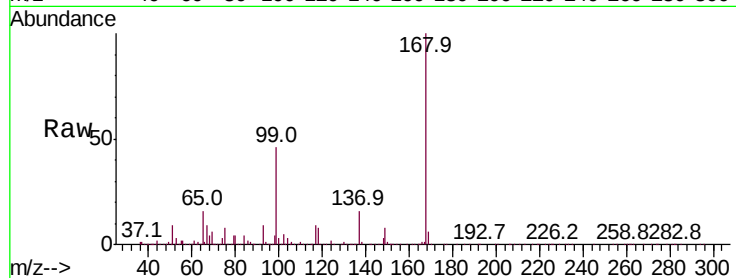
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 778712

Ion Ratio Lower Upper

168 100

99 45.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

300000

250000

200000

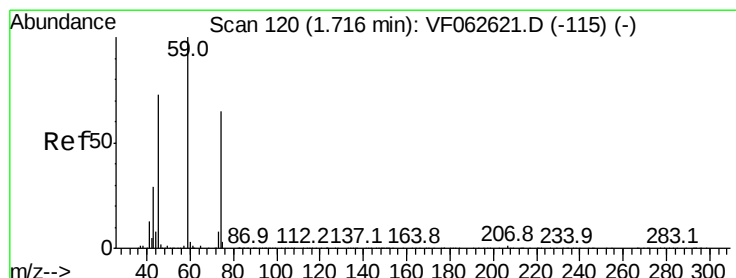
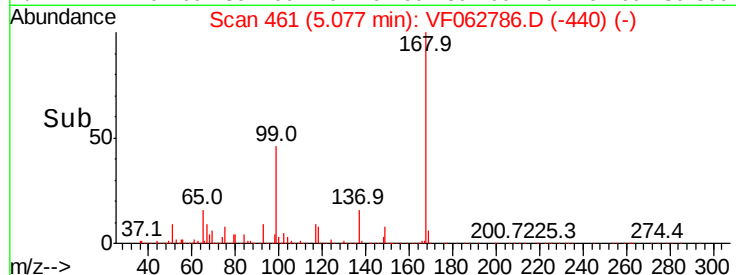
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.073 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062786.D

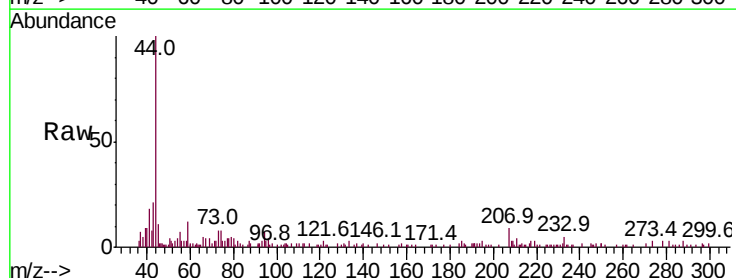
Acq: 29 May 2019 17:14

Tgt Ion: 74 Resp: 2564

Ion Ratio Lower Upper

74 100

45 138.8 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

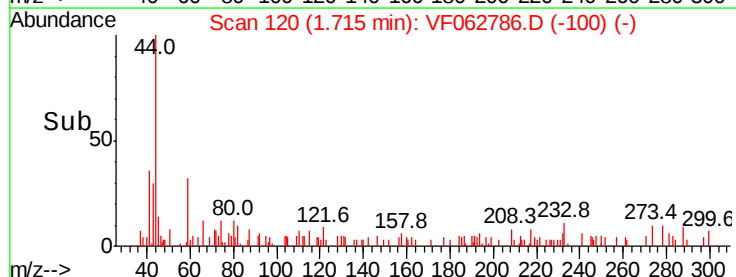
1500

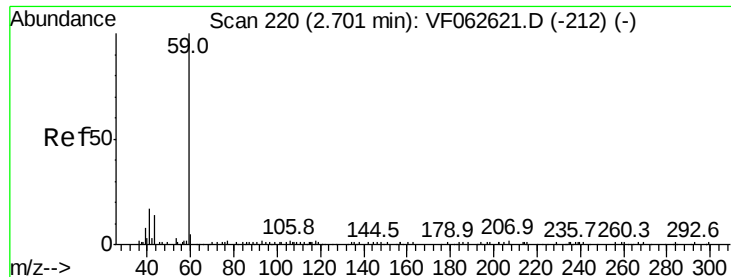
1000

500

0

Time-->

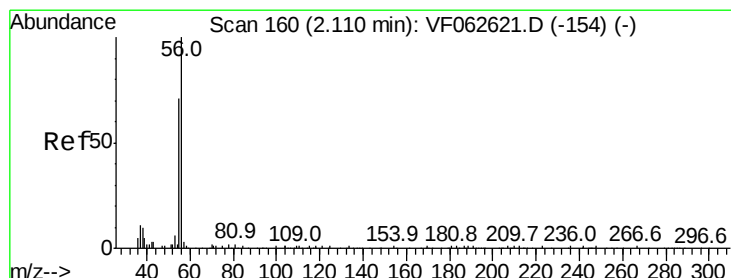
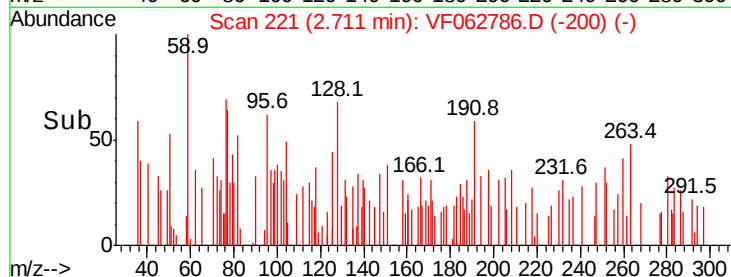
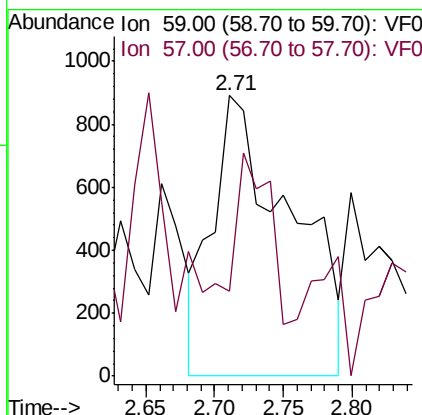
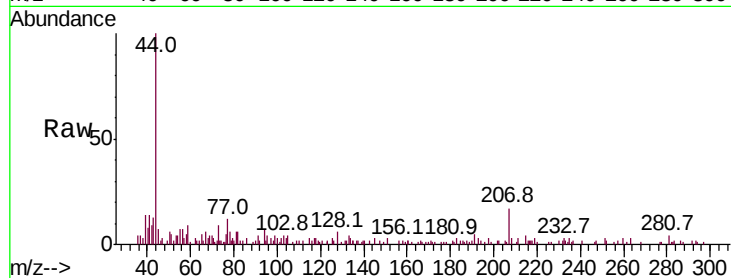




#11
Tert butyl alcohol
Concen: 9.741 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

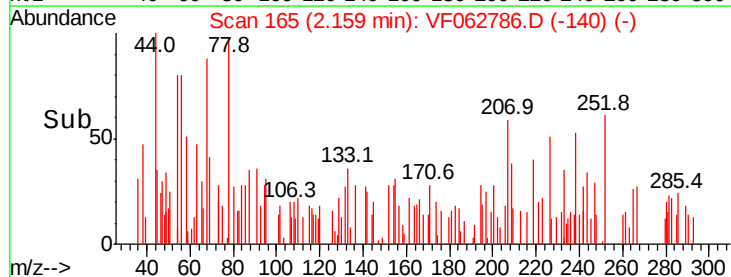
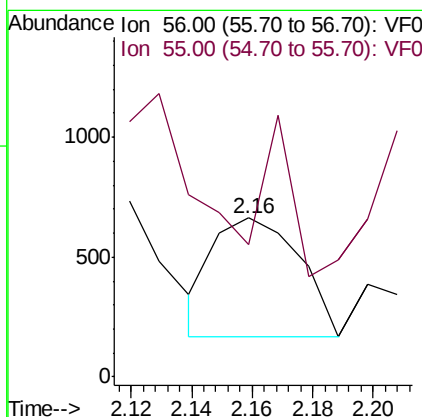
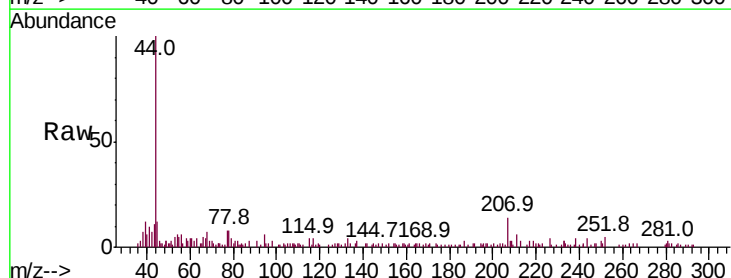
Instrument :
MSVOA_F
ClientSampled :

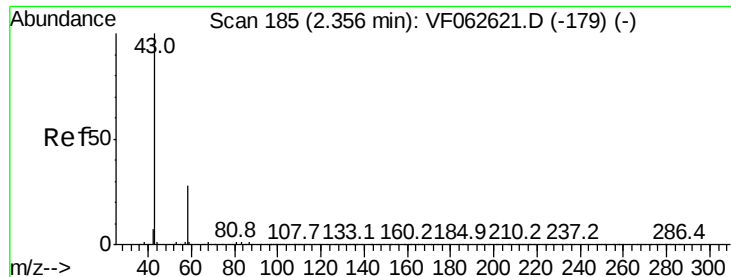
Tot Ion: 59 Resp: 3539
Ion Ratio Lower Upper
59 100
57 30.2 9.3 13.9#



#13
Acrolein
Concen: 2.576 ug/l
RT: 2.16 min Scan# 165
Delta R.T. 0.05 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

Tgt Ion: 56 Resp: 977
Ion Ratio Lower Upper
56 100
55 83.8 59.4 89.0

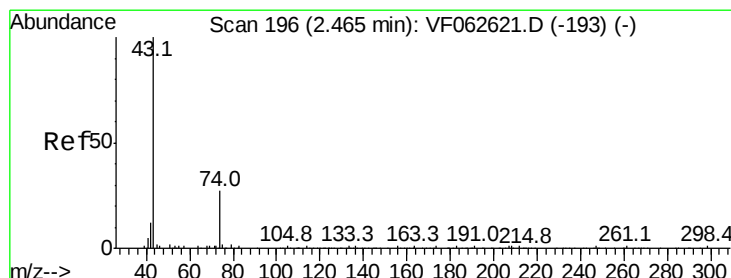
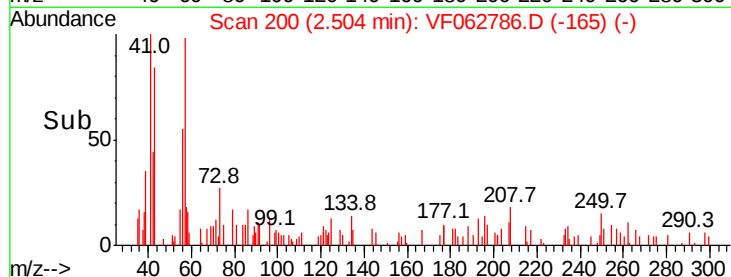
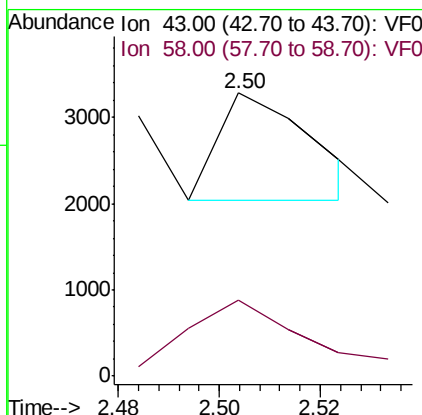
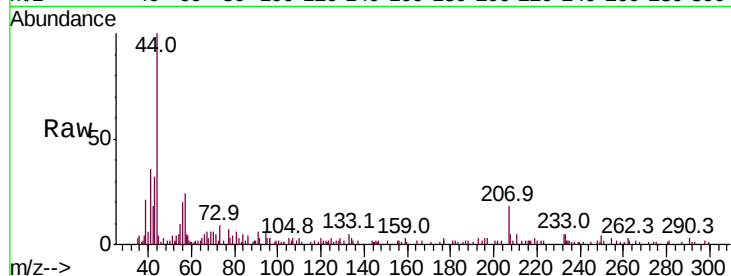




#16
Acetone
Concen: 1.108 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.15 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

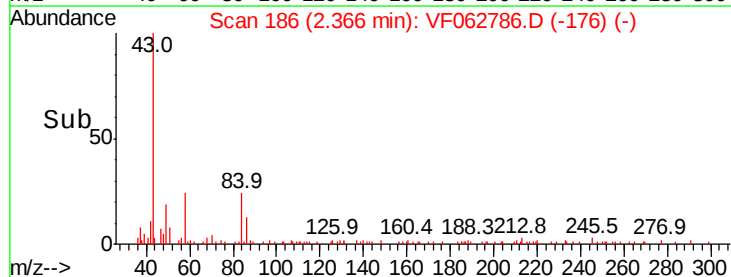
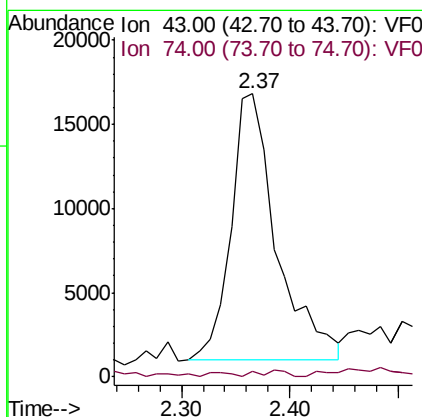
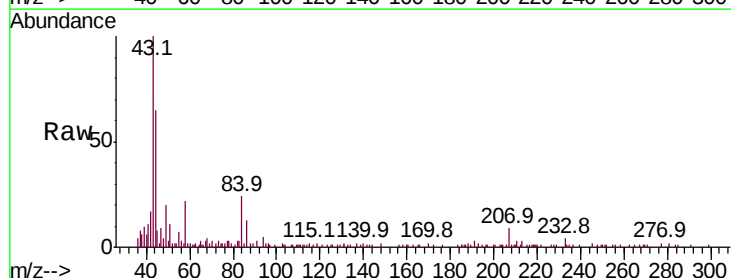
Instrument :
MSVOA_F
ClientSampleId :

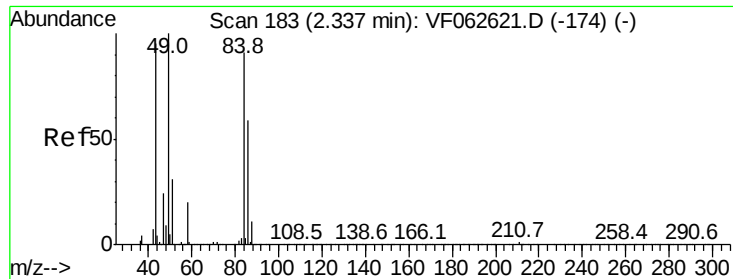
Tot Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
58 26.9 22.6 33.8



#18
Methyl Acetate
Concen: 20.752 ug/l
RT: 2.37 min Scan# 186
Delta R.T. -0.10 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

Tgt Ion: 43 Resp: 46554
Ion Ratio Lower Upper
43 100
74 1.9 18.9 28.3#

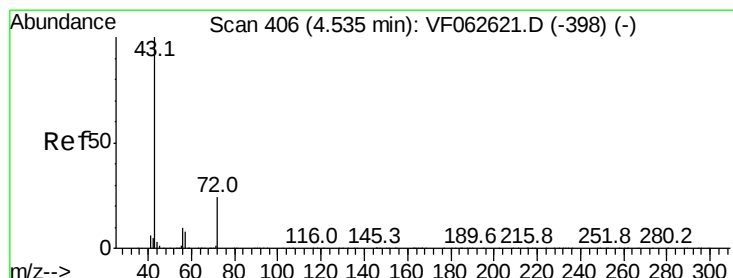
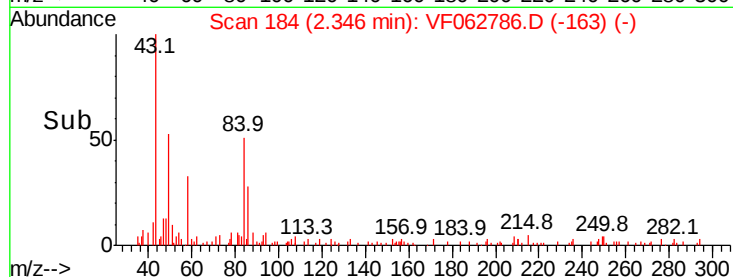
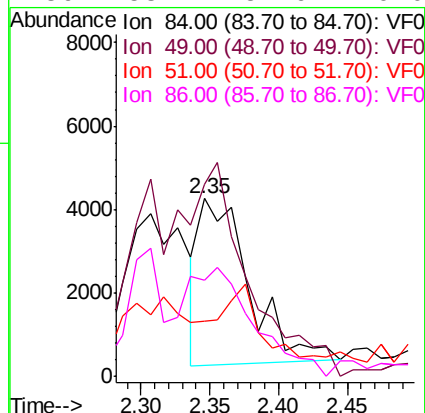
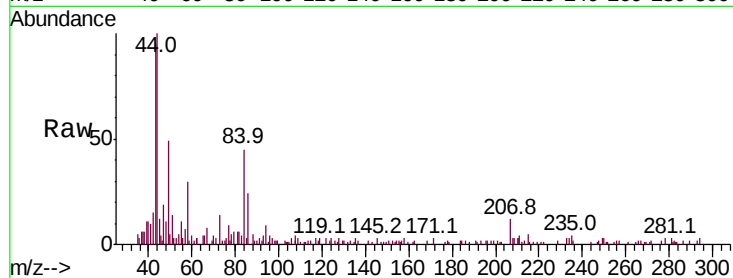




#20
Methvlene Chloride
Concen: 1.404 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

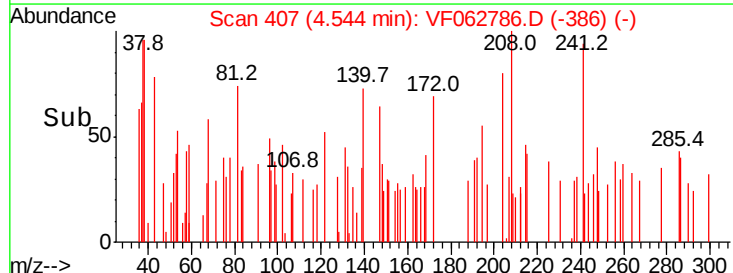
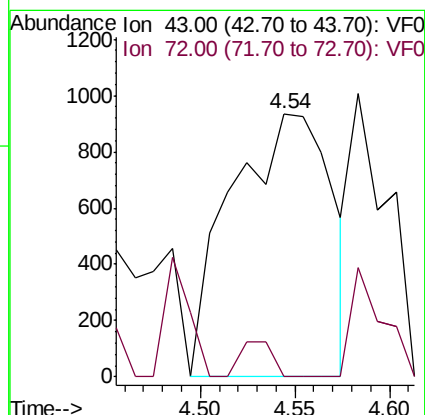
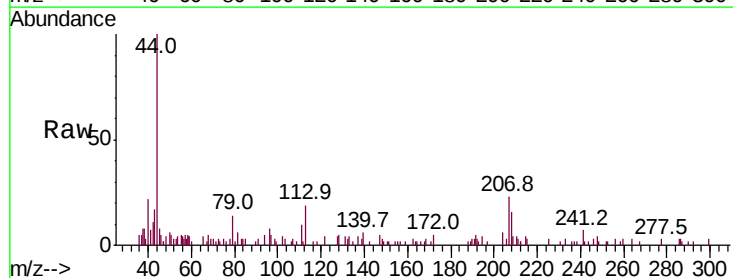
Instrument :
MSVOA_F
ClientSampleId :

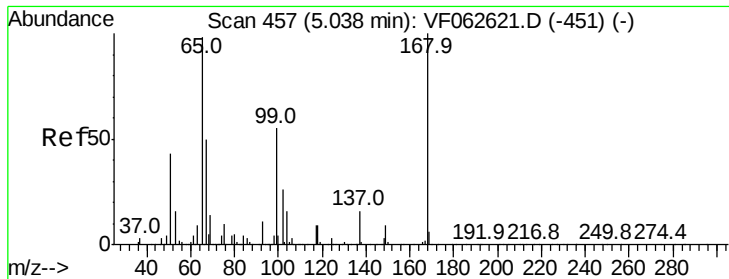
Tot Ion: 84 Resp: 10048
Ion Ratio Lower Upper
84 100
49 108.1 89.8 134.8
51 30.8 28.4 42.6
86 53.7 52.6 79.0



#25
2-Butanone
Concen: 1.134 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

Tgt Ion: 43 Resp: 3458
Ion Ratio Lower Upper
43 100
72 15.0 20.1 30.1#





#33

1,2-Dichloroethane-d4

Concen: 43.325 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

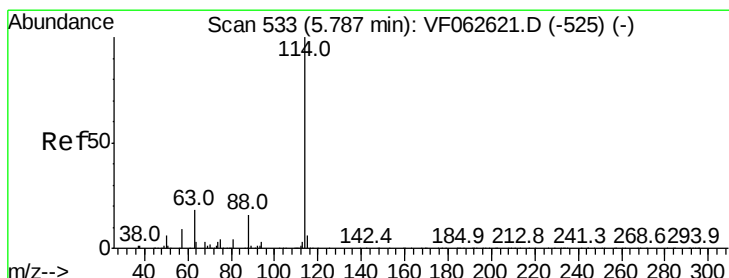
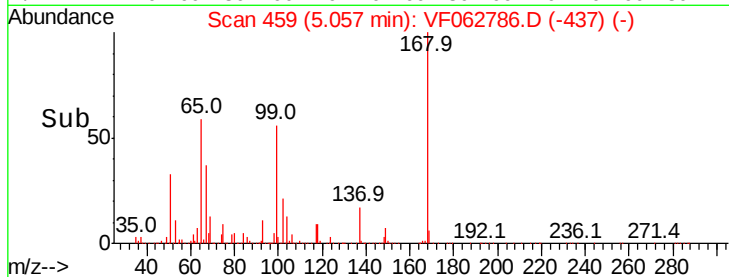
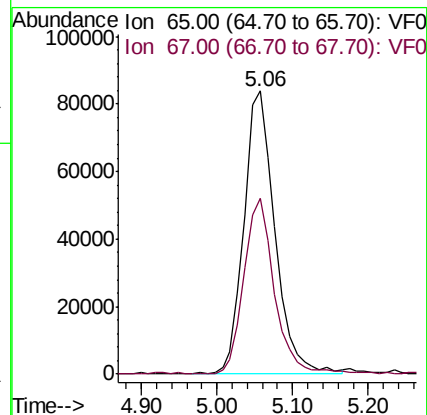
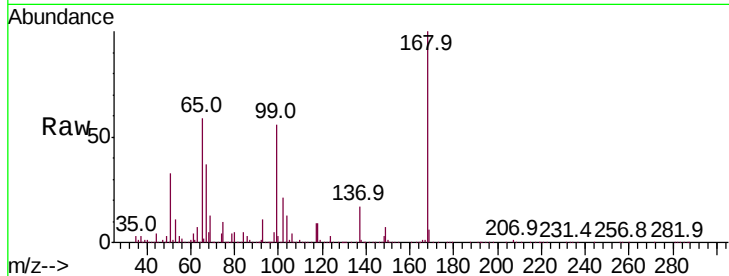
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 238405

Ion Ratio Lower Upper

65 100

67 62.2 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

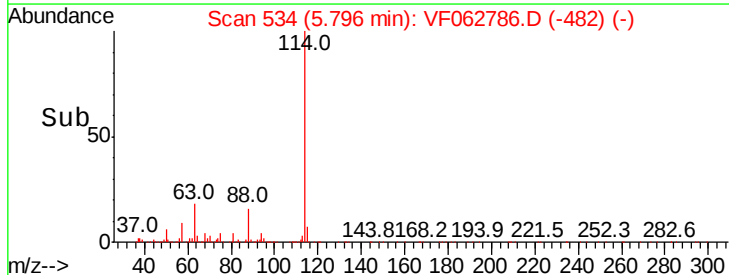
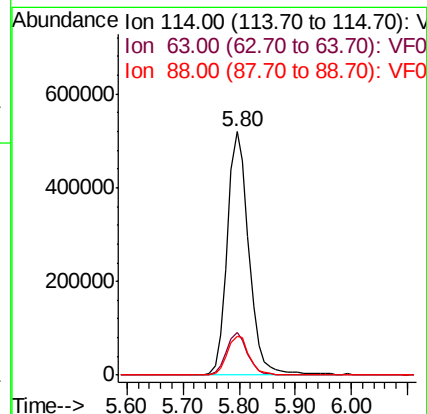
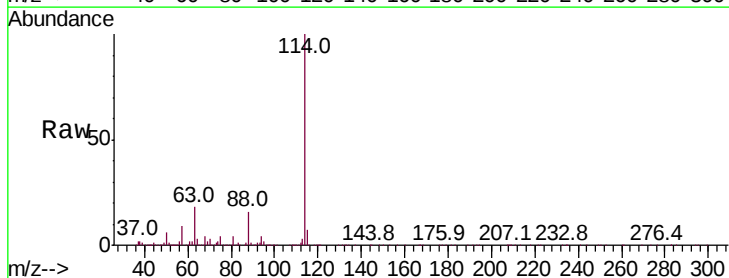
Tgt Ion: 114 Resp: 1392556

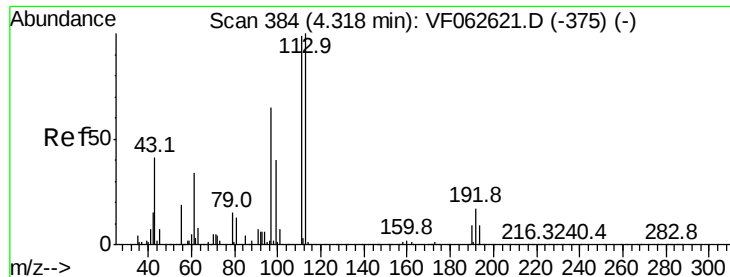
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 15.9 0.0 32.4

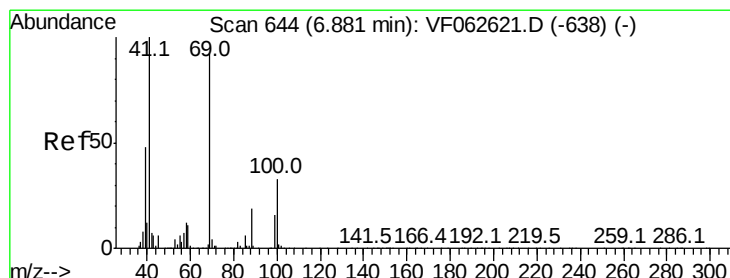
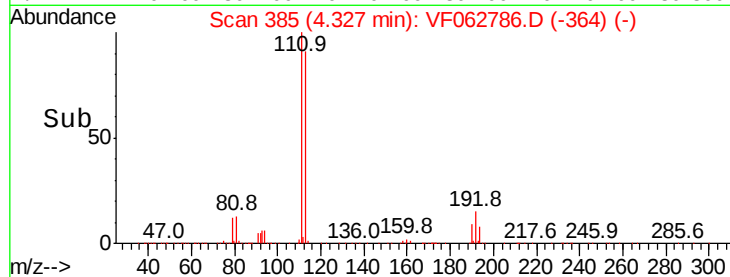
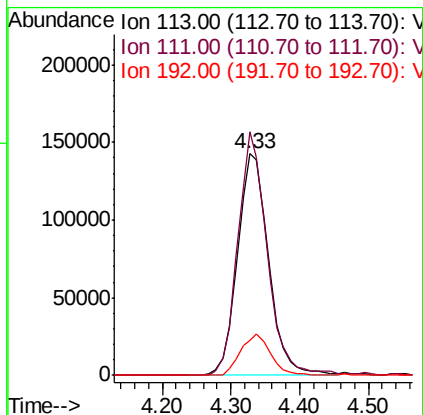
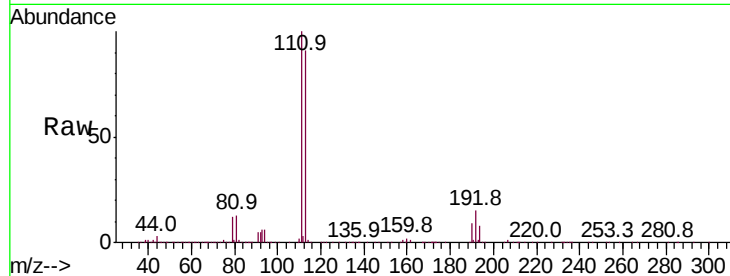




#35
 Dibromofluoromethane
 Concen: 42.015 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062786.D
 Acq: 29 May 2019 17:14

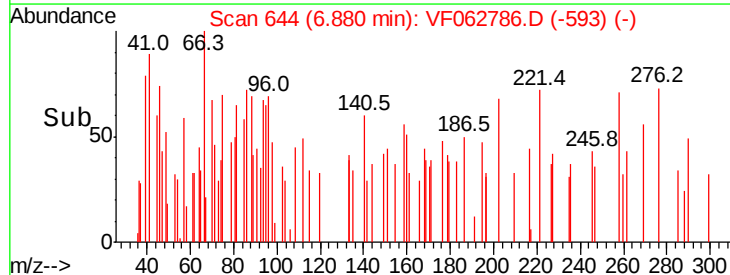
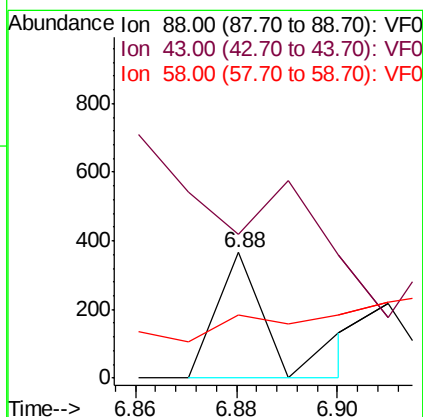
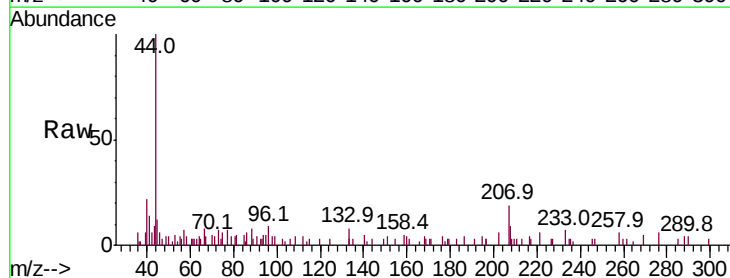
Instrument :
 MSVOA_F
 ClientSampleId :

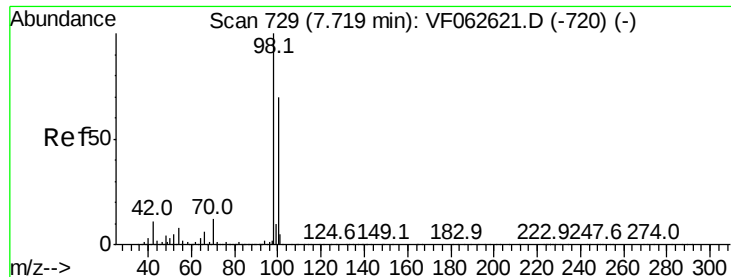
Tot Ion	Ratio	Lower	Upper
113	100		
111	109.9	79.4	119.2
192	16.1	13.4	20.2



#49
 1,4-Dioxane
 Concen: 5.818 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF062786.D
 Acq: 29 May 2019 17:14

Tgt Ion	Ratio	Lower	Upper
88	100		
43	114.8	30.0	45.0#
58	50.4	51.1	76.7#





#50

Toluene-d8

Concen: 40.178 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

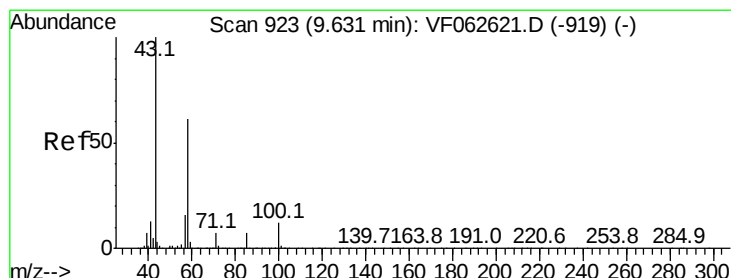
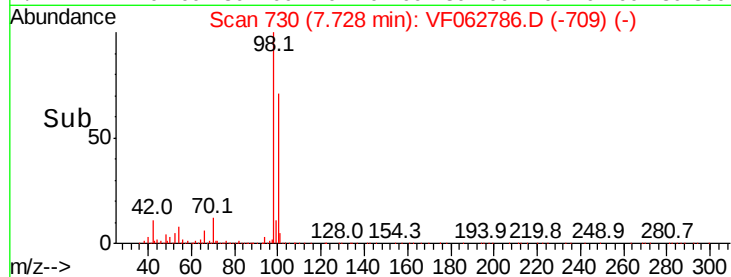
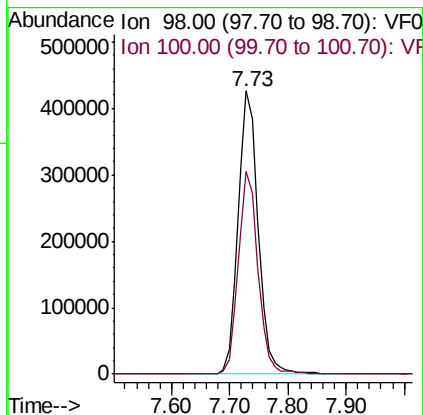
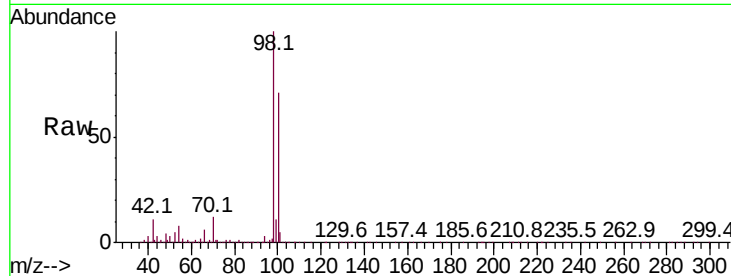
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 1022208

Ion Ratio Lower Upper

98 100

100 71.4 56.2 84.2



#59

2-Hexanone

Concen: Below Cal

RT: 9.65 min Scan# 925

Delta R.T. 0.02 min

Lab File: VF062786.D

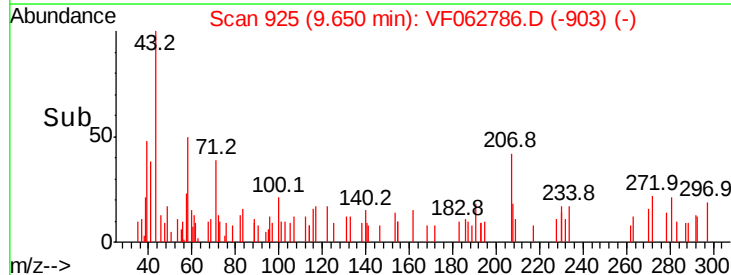
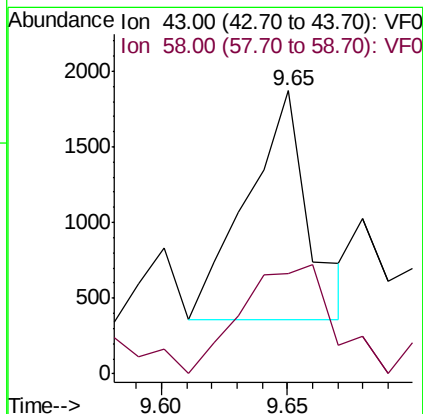
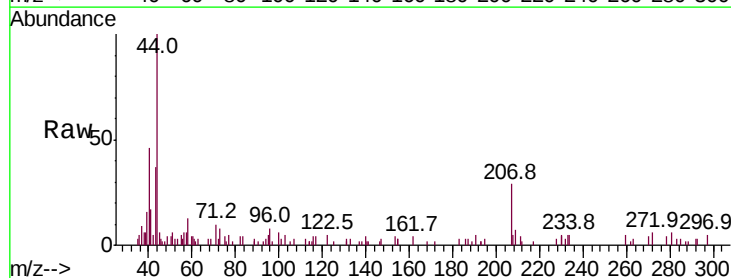
Acq: 29 May 2019 17:14

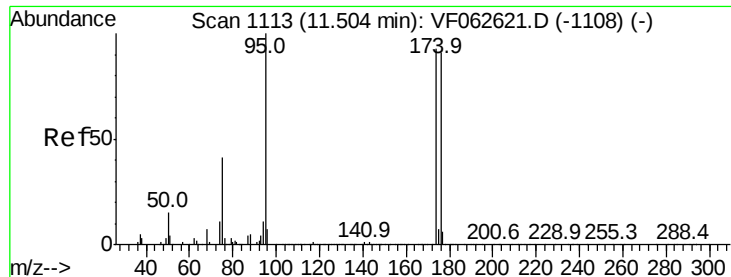
Tgt Ion: 43 Resp: 2575

Ion Ratio Lower Upper

43 100

58 35.5 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 36.686 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

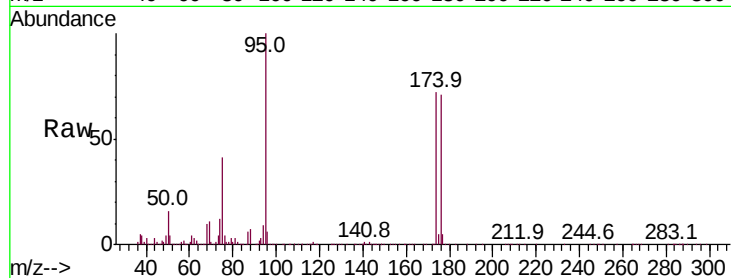
Tot Ion: 95 Resp: 353997

Ion Ratio Lower Upper

95 100

174 72.0 0.0 185.6

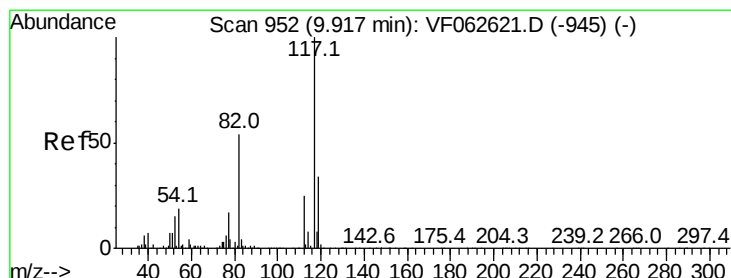
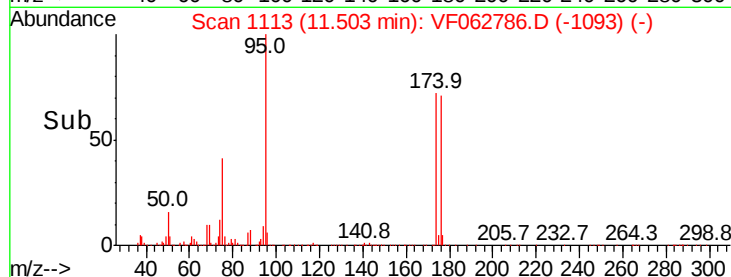
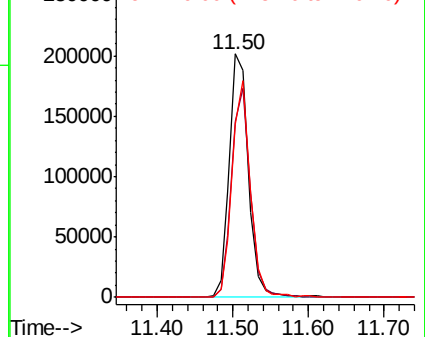
176 70.9 0.0 182.4



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: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF062786.D

Acq: 29 May 2019 17:14

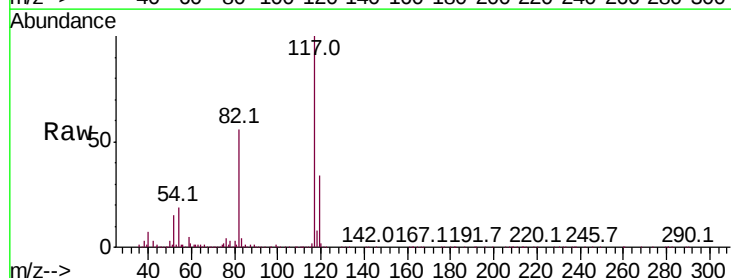
Tgt Ion: 117 Resp: 1066825

Ion Ratio Lower Upper

117 100

82 55.8 43.3 64.9

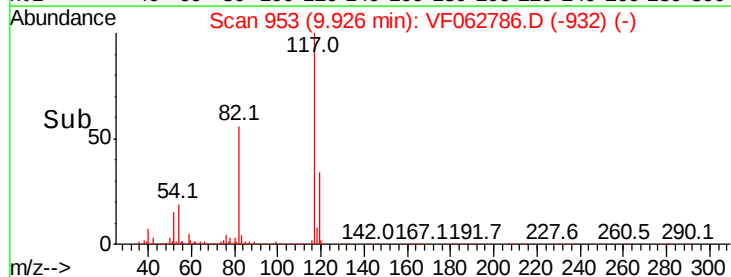
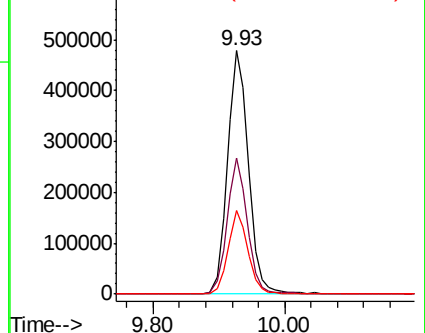
119 34.4 27.4 41.0

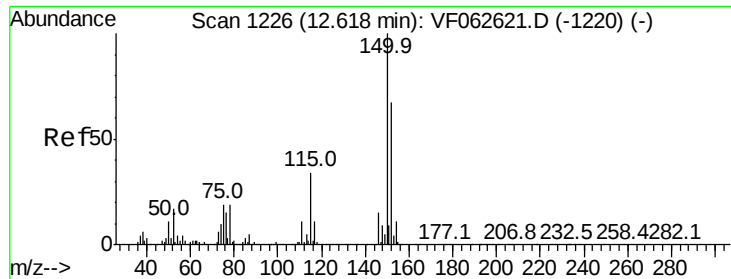


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



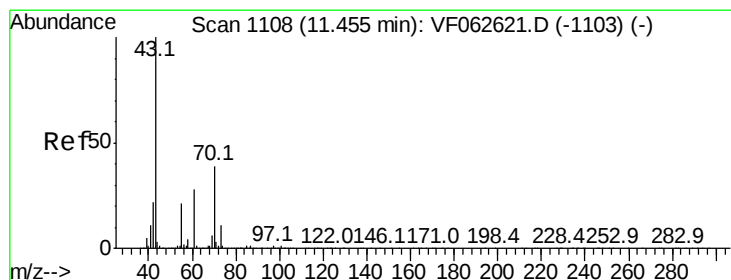
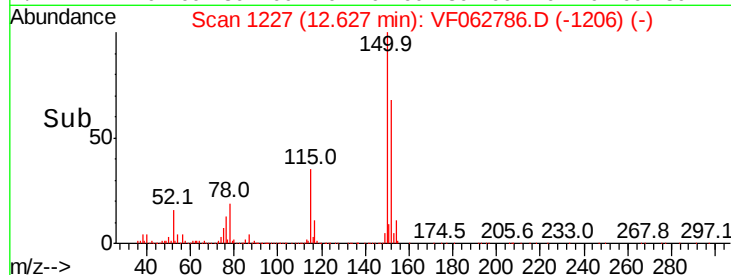
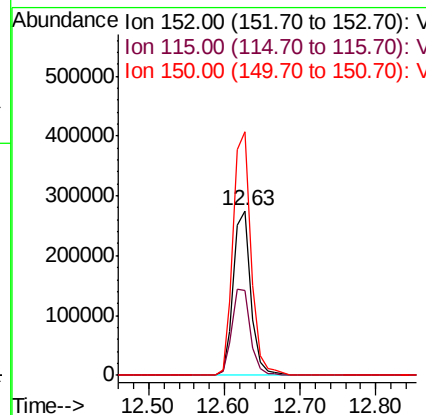
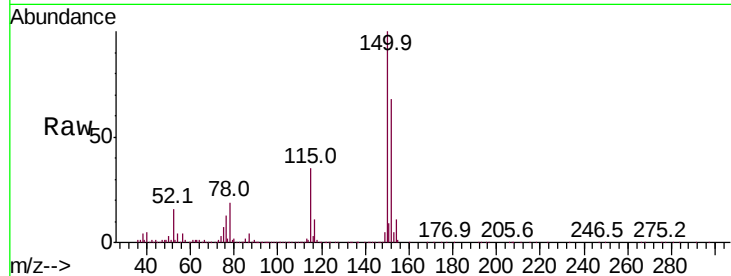


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 438411
Ion Ratio Lower Upper
152 100
115 51.8 25.2 75.6
150 148.0 0.0 306.2



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062786.D
Acq: 29 May 2019 17:14

Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
70 14.8 30.9 46.3#
55 17.5 17.0 25.4
61 21.5 22.6 34.0#

