

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062790.D
 Acq On : 29 May 2019 19:06
 Operator : FY/SY
 Sample : K3084-07RE
 Misc : 5.50µ/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-9RE

Quant Time: May 30 08:43:19 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	5.07	168	753045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1300120	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1004987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	449191	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	227852	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
35) Dibromofluoromethane	4.32	113	430492	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	
50) Toluene-d8	7.72	98	924817	38.93	ug/l	0.00
Spiked Amount			Recovery	=	77.86%	
62) 4-Bromofluorobenzene	11.51	95	320881	35.62	ug/l	0.00
Spiked Amount			Recovery	=	71.24%	

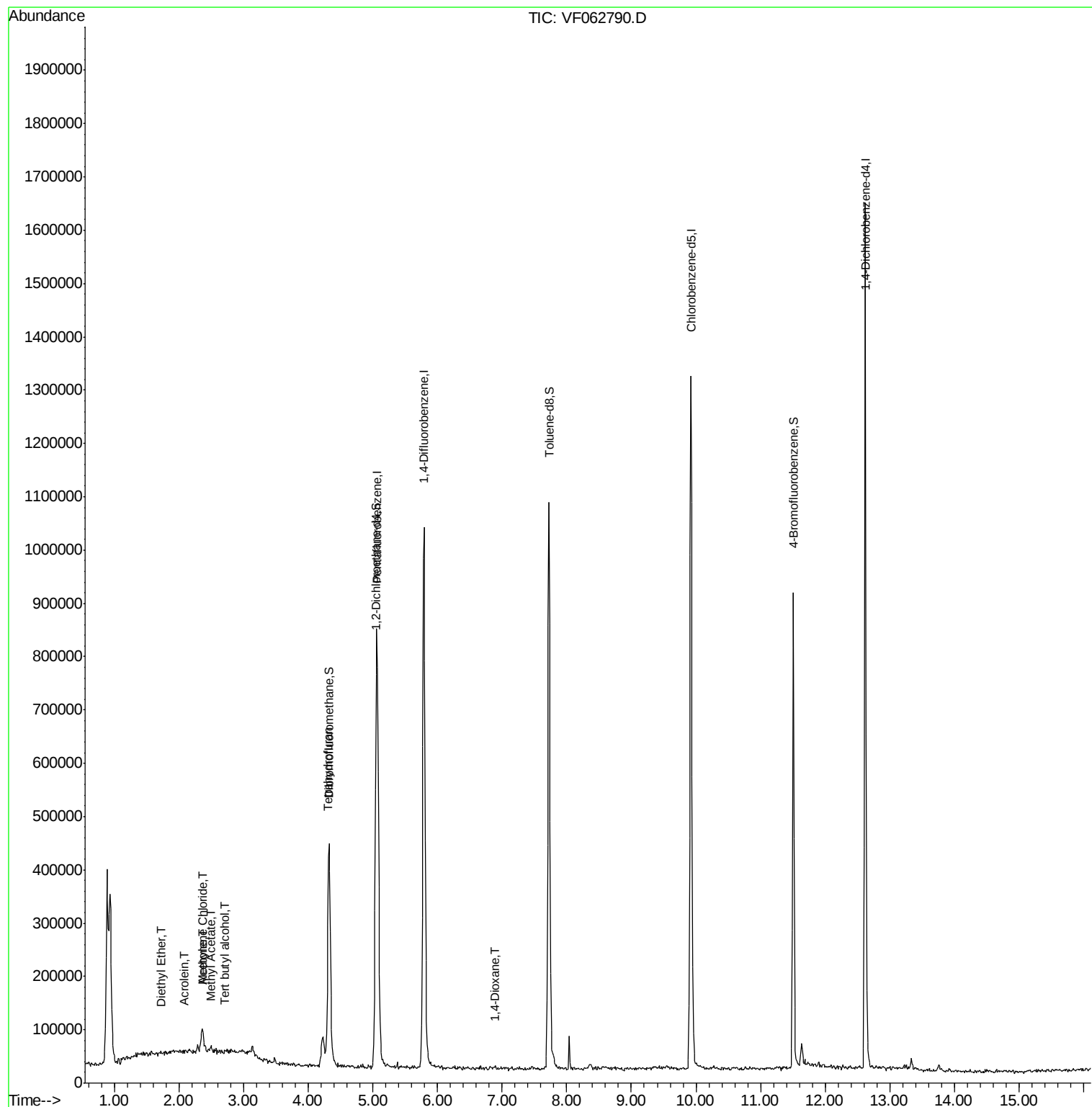
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.73	74	2901	1.256	ug/l	66
11) Tert butyl alcohol	2.71	59	2220	6.319	ug/l #	1
13) Acrolein	2.08	56	502	1.369	ug/l	83
16) Acetone	2.35	43	55179	39.969	ug/l	94
18) Methyl Acetate	2.49	43	13188	6.079	ug/l	91
20) Methylene Chloride	2.37	84	13135	1.898	ug/l #	92
29) Tetrahydrofuran	4.30	42	3928	3.291	ug/l #	55
49) 1,4-Dioxane	6.91	88	405	8.585	ug/l #	56
59) 2-Hexanone	9.65	43	4531	Below Cal		76
74) N-amyl acetate	11.47	43	977	Below Cal	#	72

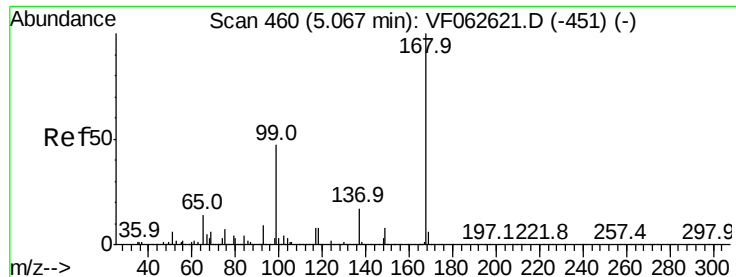
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

Instrument :

MSVOA_F

ClientSampleId :

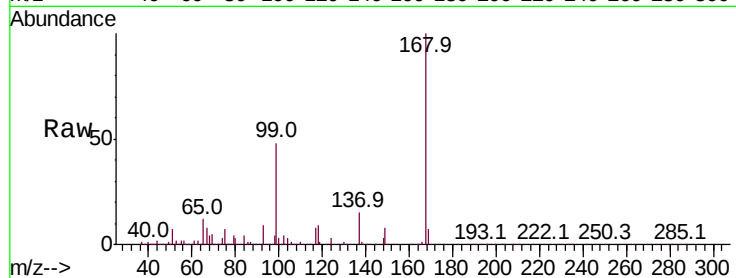
TEST-PIT-9RE

Tot Ion:168 Resp: 753045

Ion Ratio Lower Upper

168 100

99 47.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

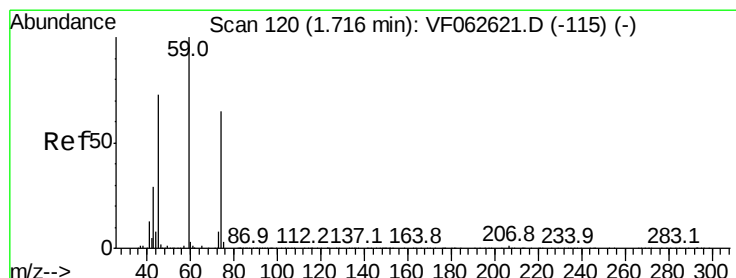
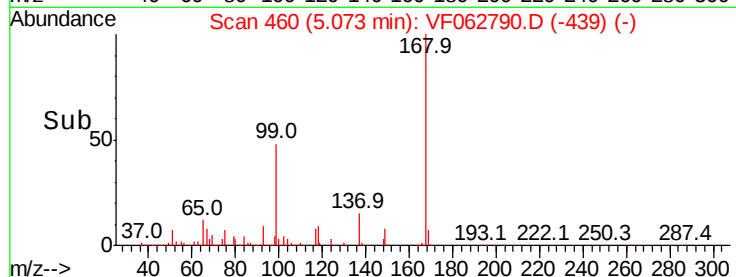
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.256 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.02 min

Lab File: VF062790.D

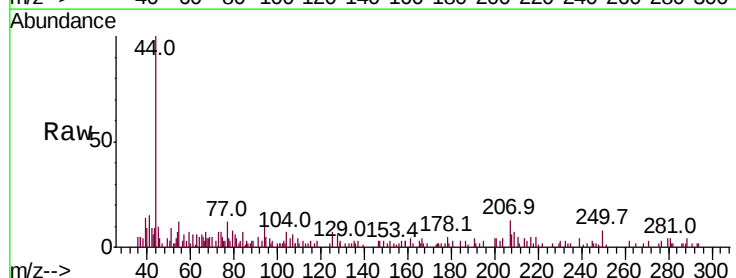
Acq: 29 May 2019 19:06

Tgt Ion: 74 Resp: 2901

Ion Ratio Lower Upper

74 100

45 77.6 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.73

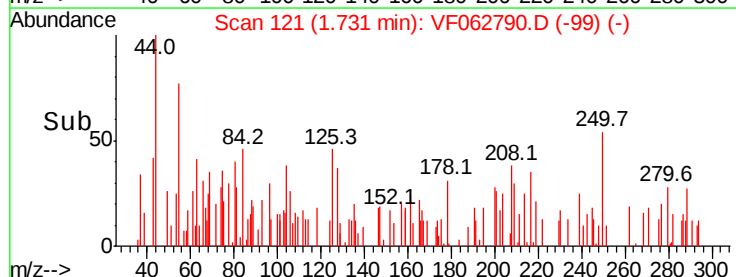
1500

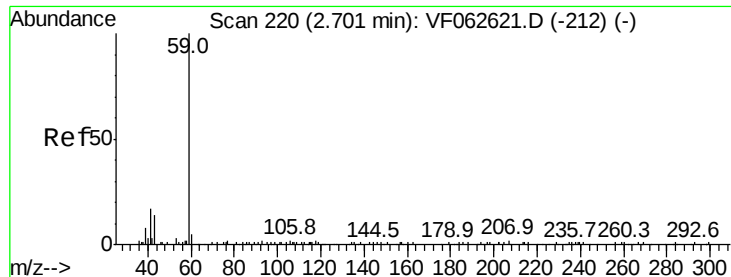
1000

500

0

Time-->

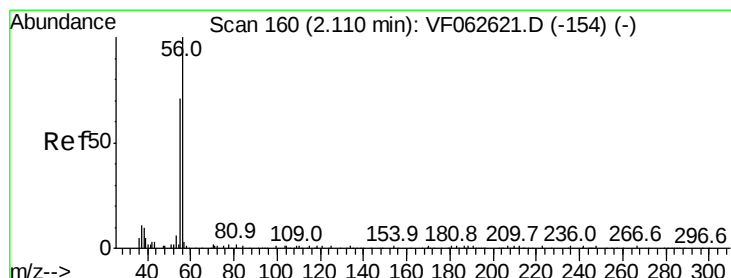
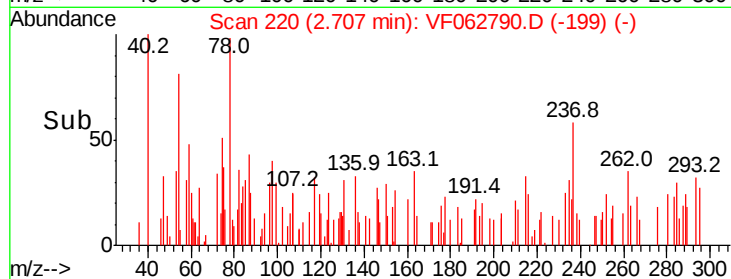
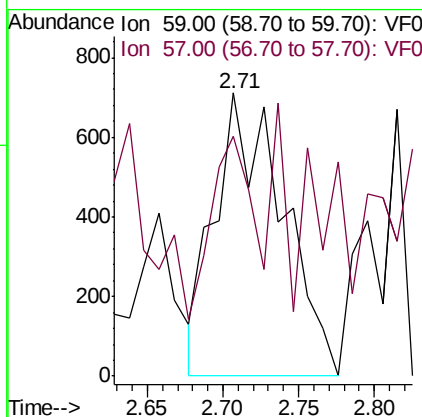
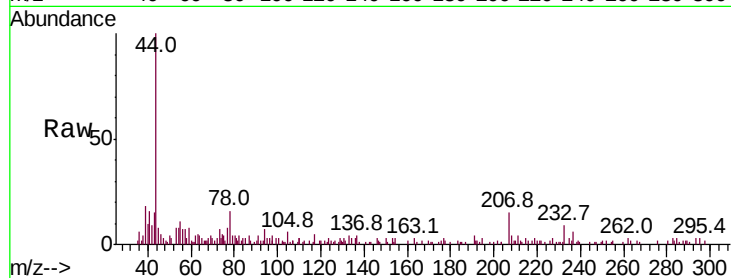




#11
Tert butyl alcohol
Concen: 6.319 ug/l
RT: 2.71 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

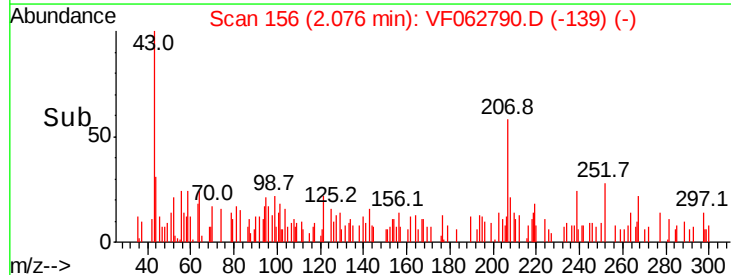
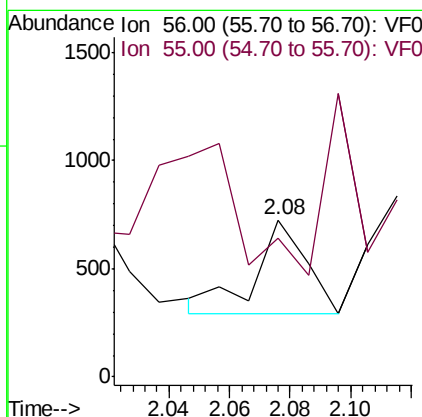
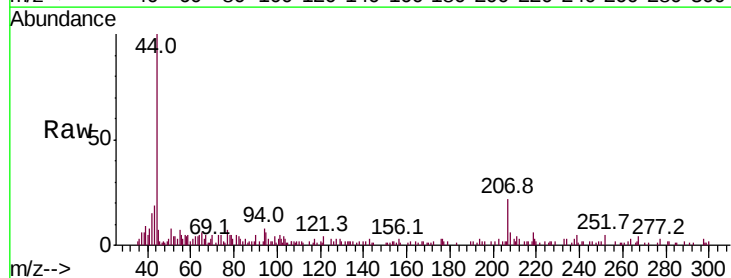
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-9RE

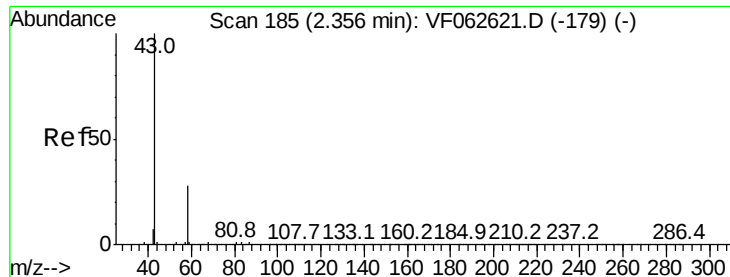
Tot Ion: 59 Resp: 2220
Ion Ratio Lower Upper
59 100
57 85.0 9.3 13.9#



#13
Acrolein
Concen: 1.369 ug/l
RT: 2.08 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

Tgt Ion: 56 Resp: 502
Ion Ratio Lower Upper
56 100
55 88.4 59.4 89.0

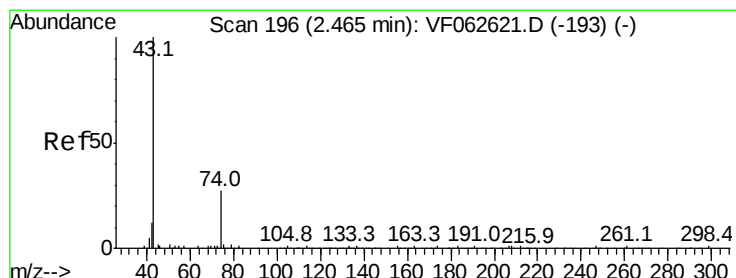
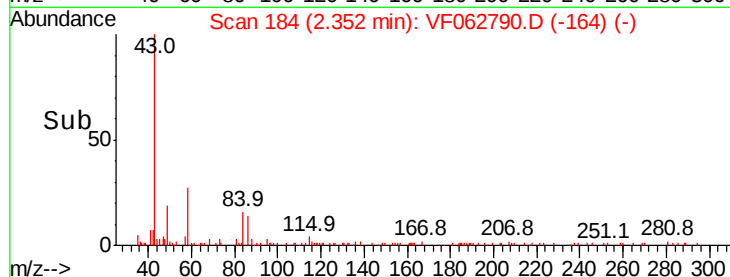
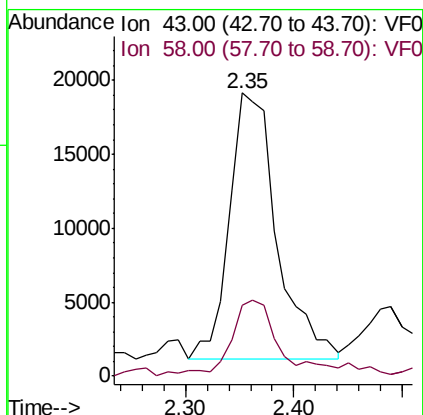
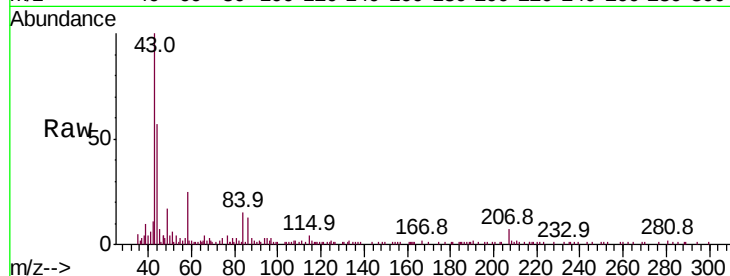




#16
Acetone
Concen: 39.969 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

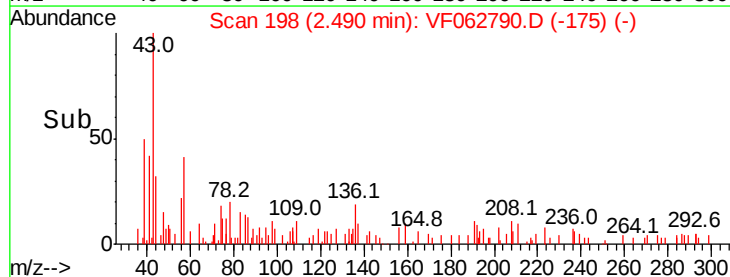
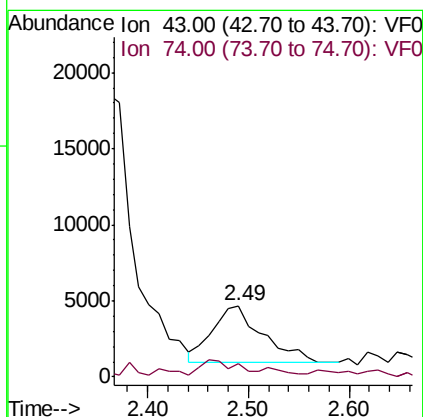
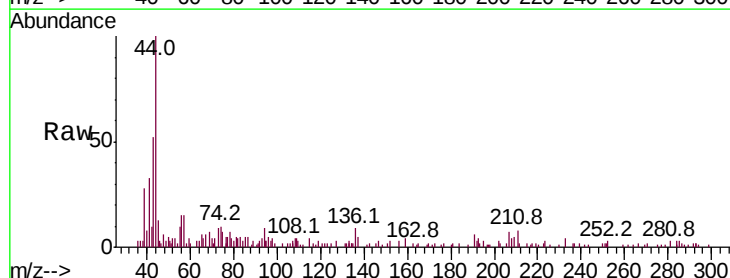
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-9RE

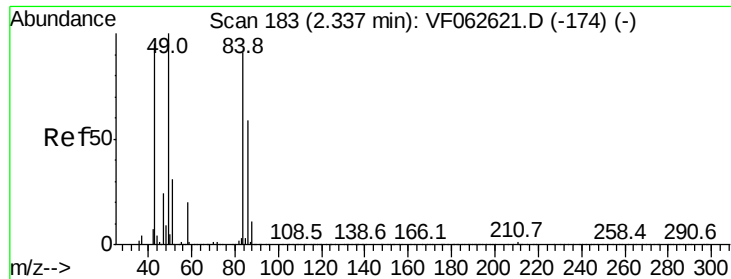
Tot Ion: 43 Resp: 55179
Ion Ratio Lower Upper
43 100
58 25.2 22.6 33.8



#18
Methyl Acetate
Concen: 6.079 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

Tgt Ion: 43 Resp: 13188
Ion Ratio Lower Upper
43 100
74 19.3 18.9 28.3

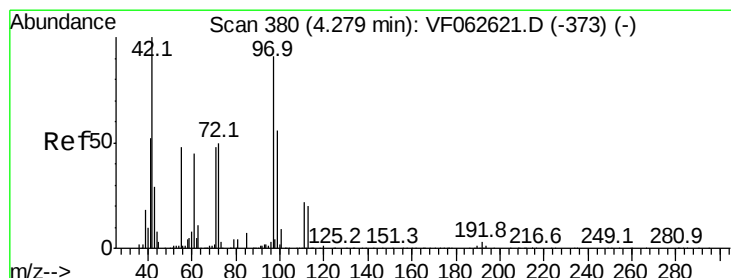
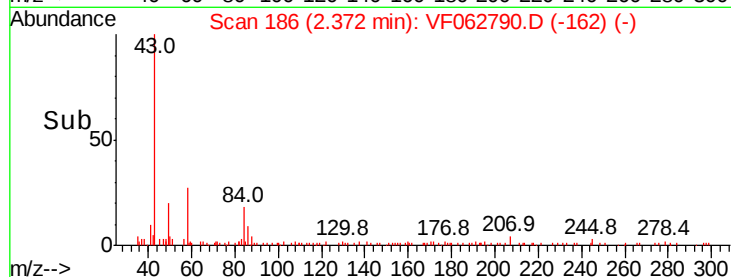
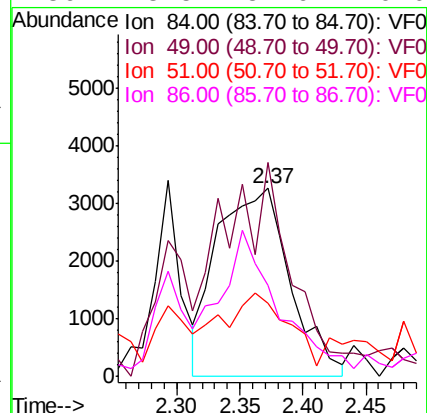
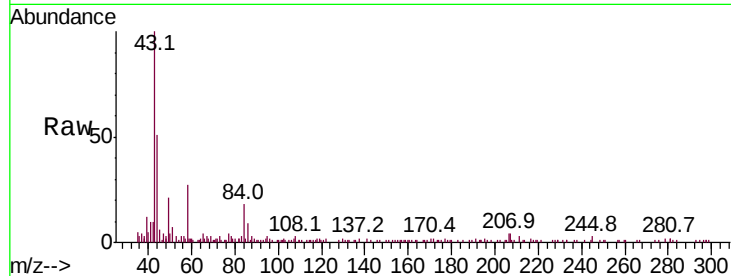




#20
Methvlene Chloride
Concen: 1.898 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.04 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

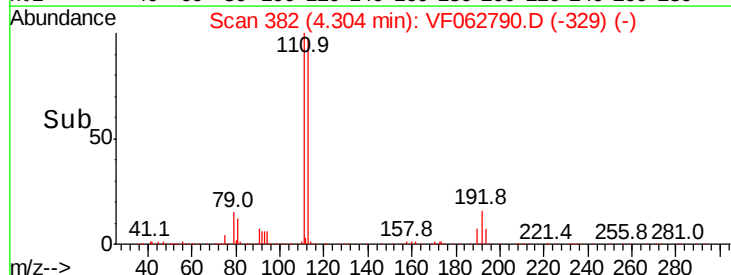
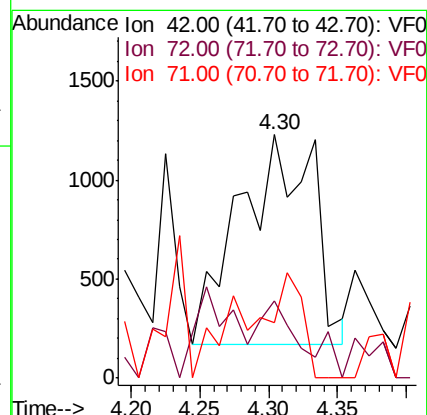
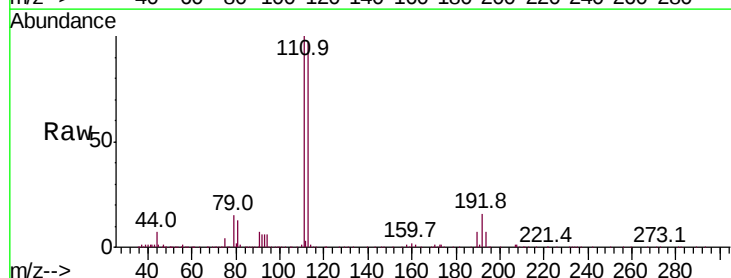
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-9RE

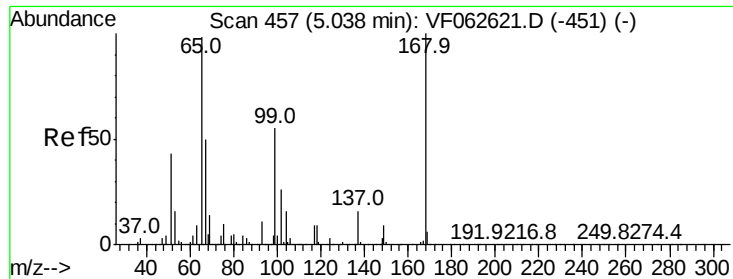
Tot Ion:	84	Resp:	13135
Ion	Ratio	Lower	Upper
84	100		
49	113.8	89.8	134.8
51	38.6	28.4	42.6
86	48.5	52.6	79.0#



#29
Tetrahydrofuran
Concen: 3.291 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

Tgt Ion:	42	Resp:	3928
Ion	Ratio	Lower	Upper
42	100		
72	18.3	38.2	57.2#
71	14.3	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 42.818 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

Instrument :

MSVOA_F

ClientSampleId :

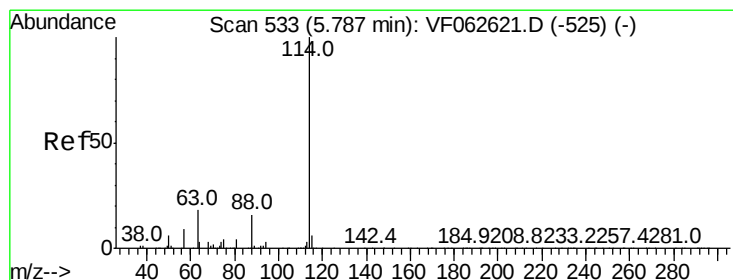
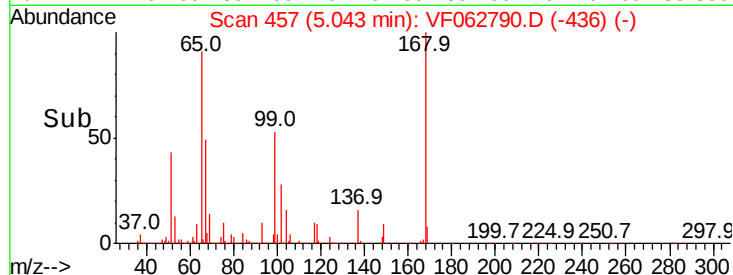
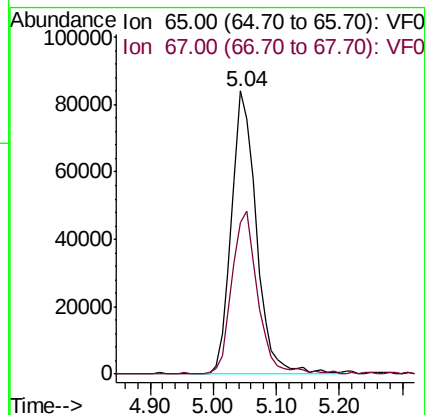
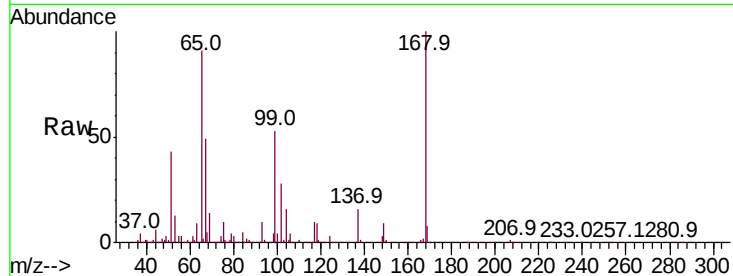
TEST-PIT-9RE

Tot Ion: 65 Resp: 227852

Ion Ratio Lower Upper

65 100

67 53.7 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

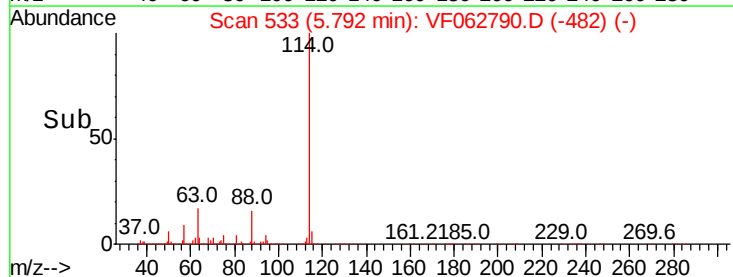
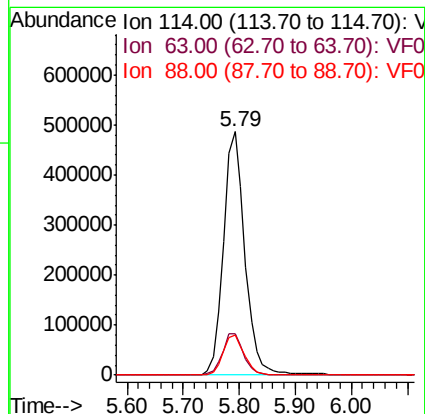
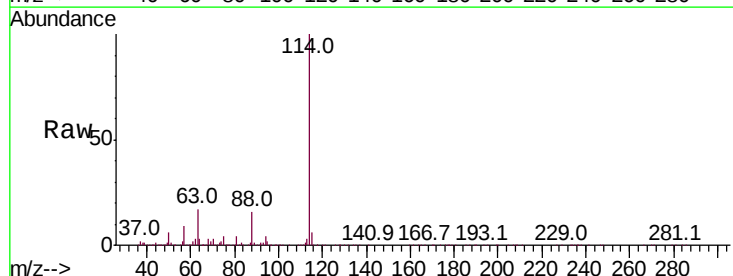
Tgt Ion: 114 Resp: 1300120

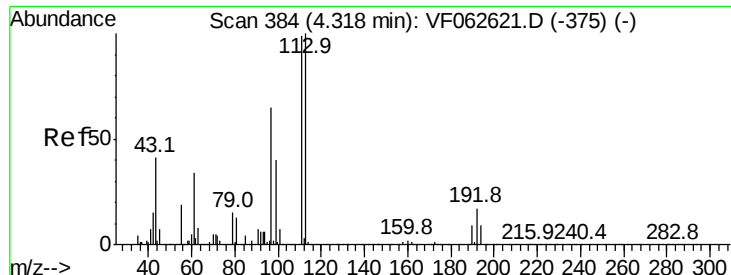
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 16.4 0.0 32.4

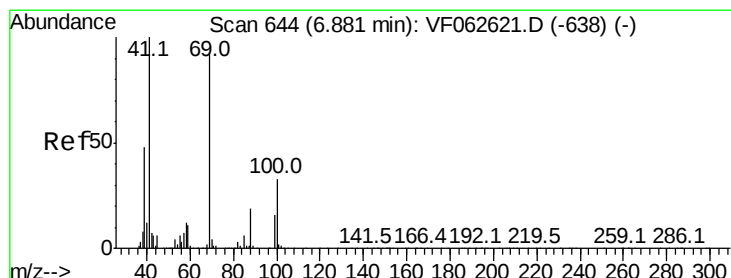
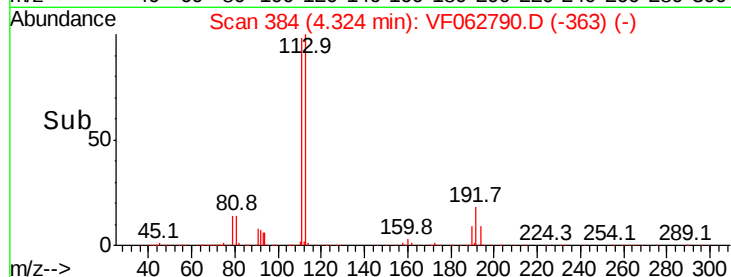
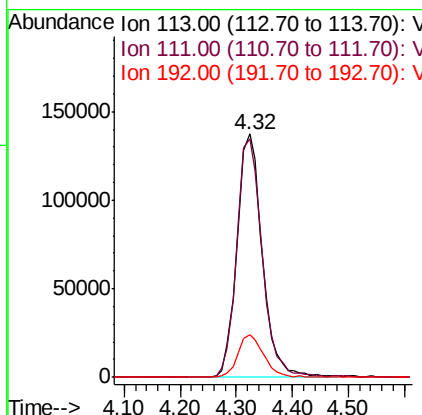
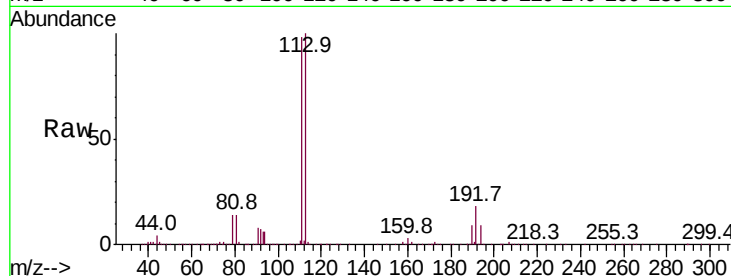




#35
 Dibromofluoromethane
 Concen: 43.272 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062790.D
 Acq: 29 May 2019 19:06

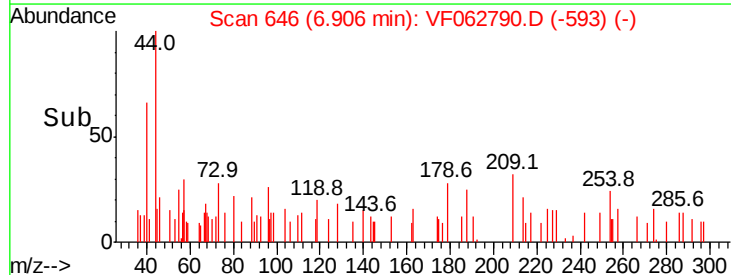
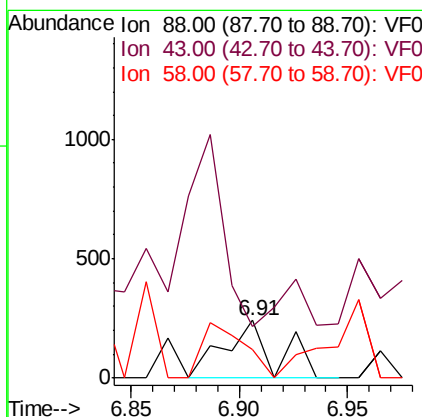
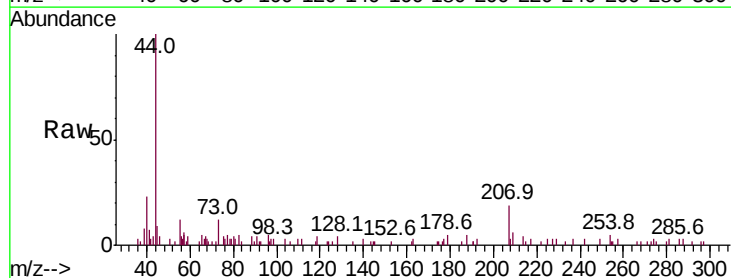
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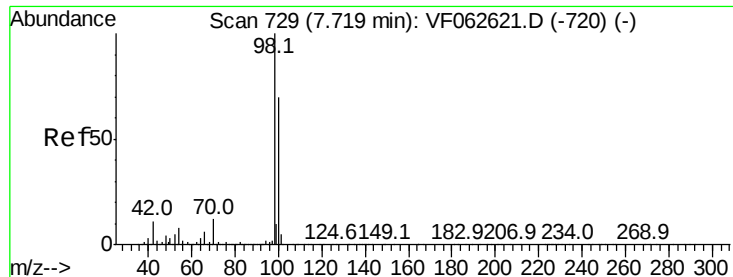
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.1	79.4	119.2
192	17.6	13.4	20.2



#49
 1,4-Dioxane
 Concen: 8.585 ug/l
 RT: 6.91 min Scan# 646
 Delta R.T. 0.03 min
 Lab File: VF062790.D
 Acq: 29 May 2019 19:06

Tgt Ion	Ratio	Lower	Upper
88	100		
43	88.4	30.0	45.0#
58	48.3	51.1	76.7#

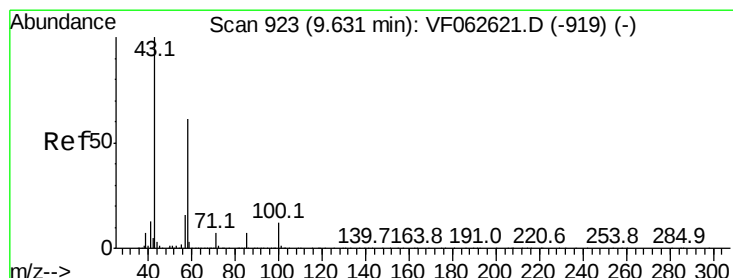
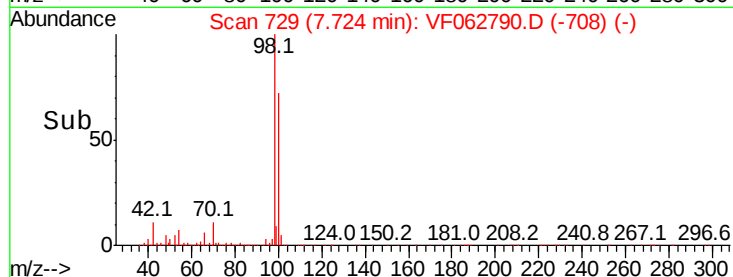
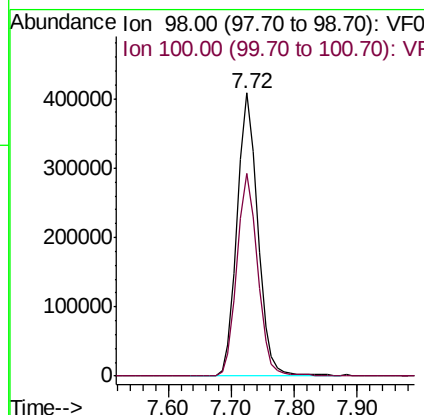
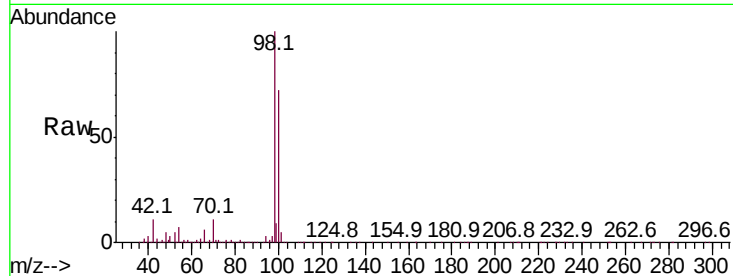




#50
Toluene-d8
Concen: 38.934 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

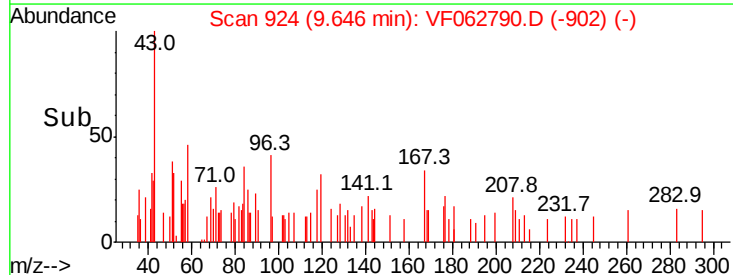
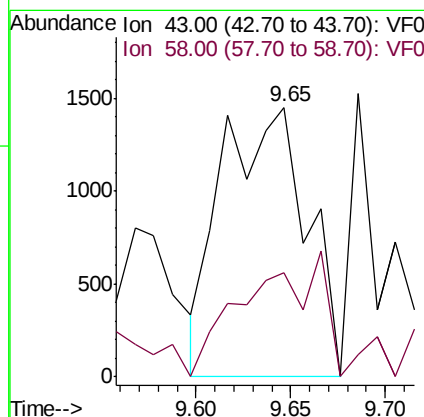
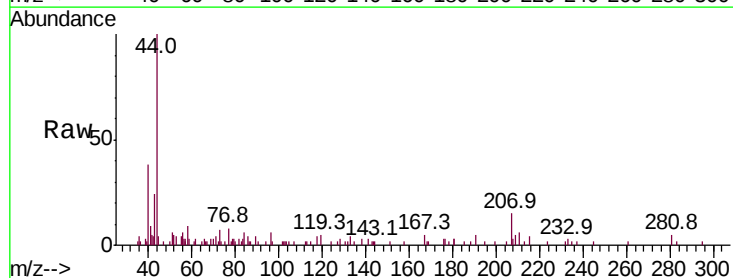
Instrument :
MSVOA_F
ClientSampleId :
TEST-PIT-9RE

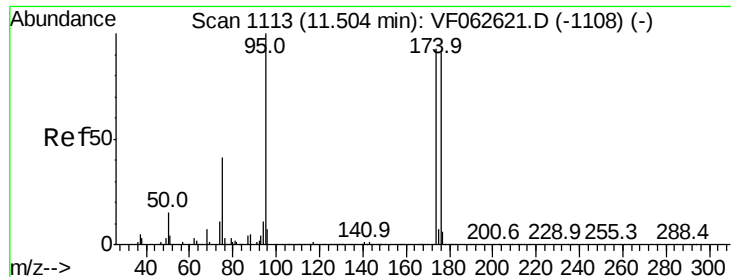
Tot Ion: 98 Resp: 924817
Ion Ratio Lower Upper
98 100
100 71.5 56.2 84.2



#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062790.D
Acq: 29 May 2019 19:06

Tgt Ion: 43 Resp: 4531
Ion Ratio Lower Upper
43 100
58 38.8 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 35.618 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-9RE

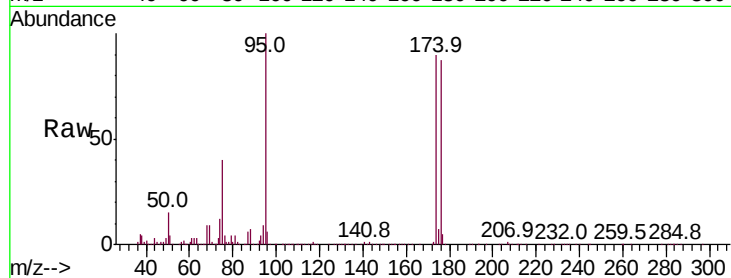
Tot Ion: 95 Resp: 320881

Ion Ratio Lower Upper

95 100

174 89.8 0.0 185.6

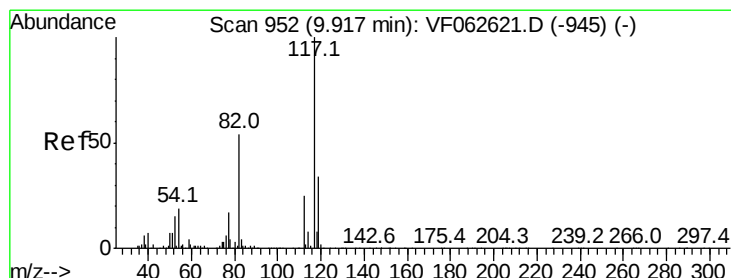
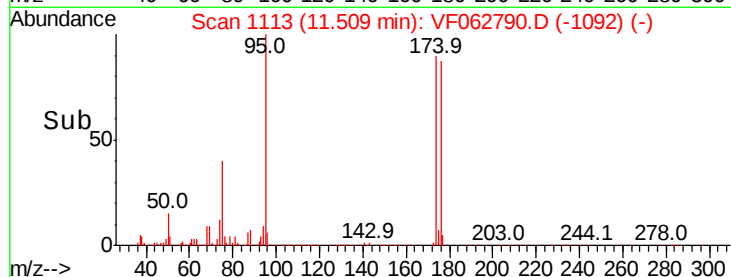
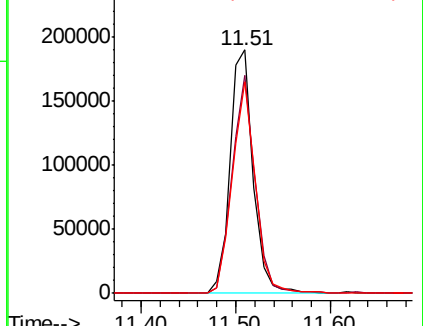
176 86.9 0.0 182.4



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: 9.92 min Scan# 952

Delta R.T. 0.01 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

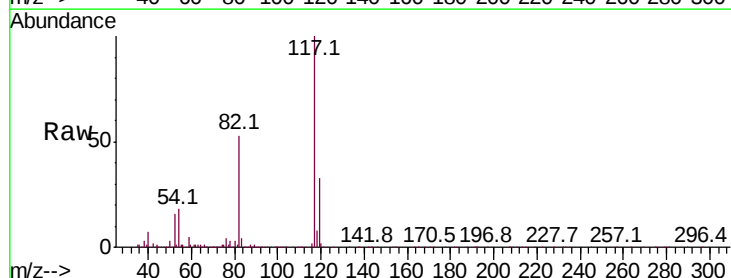
Tgt Ion: 117 Resp: 1004987

Ion Ratio Lower Upper

117 100

82 53.0 43.3 64.9

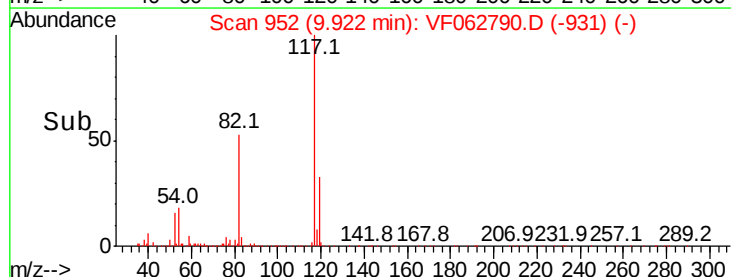
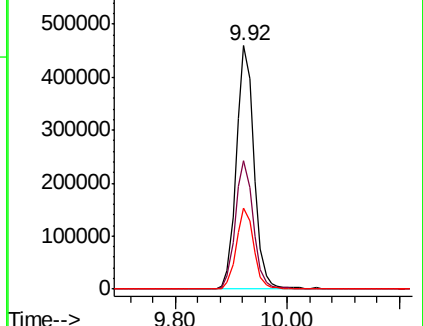
119 33.4 27.4 41.0

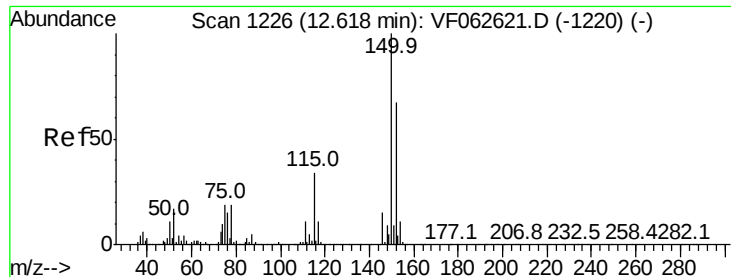


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-9RE

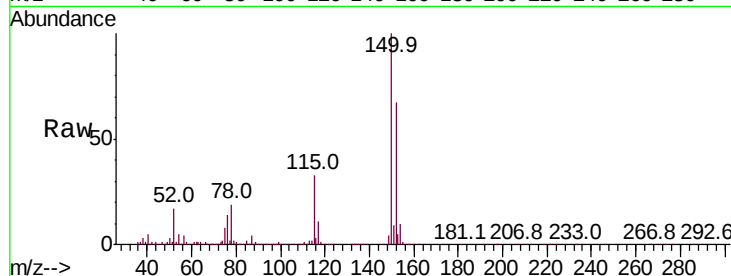
Tot Ion:152 Resp: 449191

Ion Ratio Lower Upper

152 100

115 49.7 25.2 75.6

150 149.7 0.0 306.2

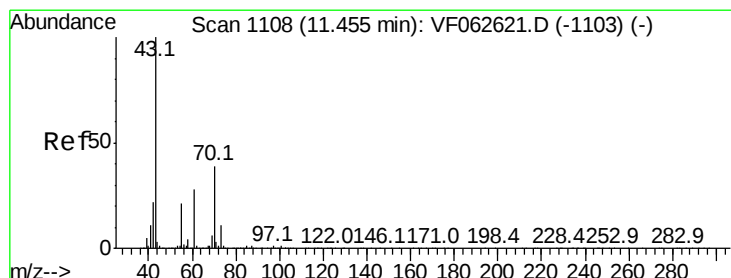
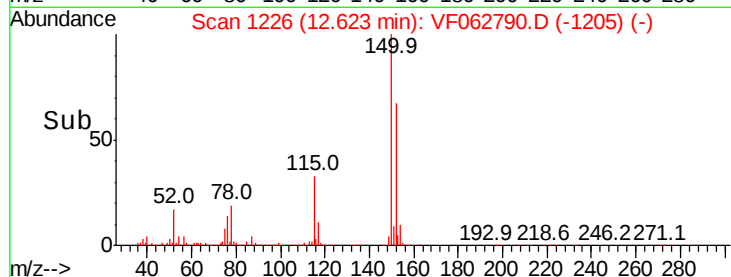
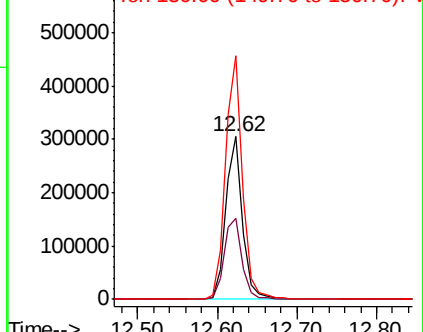


Abundance

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-ethyl acetate

Concen: Below Cal

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062790.D

Acq: 29 May 2019 19:06

Tgt Ion: 43 Resp: 977

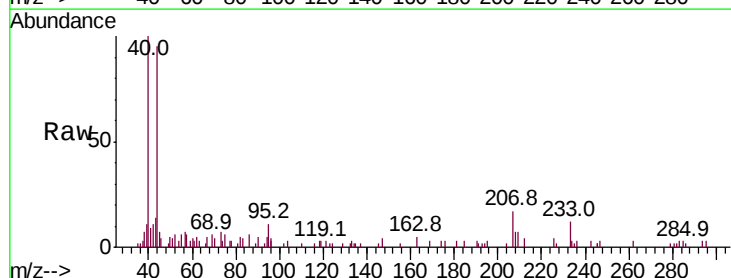
Ion Ratio Lower Upper

43 100

70 25.6 30.9 46.3#

55 45.5 17.0 25.4#

61 18.6 22.6 34.0#



Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

