

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062726.D
 Acq On : 23 May 2019 14:56
 Operator : FY/SY
 Sample : K2976-06
 Misc : 5.74g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 24 02:14:25 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	969353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1539408	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	1097101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	587489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	240050	35.04	ug/l	0.00
Spiked Amount			Recovery	=	70.08%	
35) Dibromofluoromethane	4.31	113	445198	37.79	ug/l	0.00
Spiked Amount			Recovery	=	75.58%	
50) Toluene-d8	7.71	98	1131341	40.23	ug/l	0.00
Spiked Amount			Recovery	=	80.46%	
62) 4-Bromofluorobenzene	11.50	95	765466	71.76	ug/l	0.00
Spiked Amount			Recovery	=	143.52%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	2.70	59	1888	4.175 ug/l #	1
13) Acrolein	2.26	56	745	1.578 ug/l	91
16) Acetone	2.35	43	10810	6.083 ug/l	95
18) Methyl Acetate	2.50	43	17120	6.131 ug/l #	60
20) Methylene Chloride	2.33	84	17790	1.997 ug/l #	80
29) Tetrahydrofuran	4.29	42	8383	5.456 ug/l #	83
39) Methylcyclohexane	5.65	83	85136	4.485 ug/l	95
43) Isopropyl Acetate	7.20	43	30062	3.603 ug/l #	43
48) Methyl methacrylate	6.99	41	44555	10.216 ug/l #	34
49) 1,4-Dioxane	6.89	88	368	6.588 ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	843536	147.898 ug/l #	37
55) 1,1,2-Trichloroethane	8.54	97	116240	17.420 ug/l #	48
56) Ethyl methacrylate	8.78	69	2204257	277.267 ug/l #	68
59) 2-Hexanone	9.68	43	177556	32.328 ug/l #	30
64) Tetrachloroethene	8.32	164	18493	2.128 ug/l	91
65) Chlorobenzene	9.89	112	58643	2.721 ug/l #	41
67) Ethyl Benzene	10.04	91	500919	13.381 ug/l	95
68) m/p-Xylenes	10.27	106	535590	38.068 ug/l	82
69) o-Xylene	10.83	106	46809	3.230 ug/l	85
73) Isopropylbenzene	11.22	105	2282061	54.198 ug/l	99
74) N-amyl acetate	11.48	43	378390	33.543 ug/l #	22
75) 1,1,2,2-Tetrachloroethane	11.76	83	744694	86.542 ug/l #	34
76) 1,2,3-Trichloropropane	11.90	75	77336	13.678 ug/l #	1
78) n-propylbenzene	11.68	91	3955285	79.373 ug/l	91
79) 2-Chlorotoluene	11.80	91	772186	27.496 ug/l #	41
80) 1,3,5-Trimethylbenzene	11.90	105	6331698	187.535 ug/l	81
81) trans-1,4-Dichloro-2-buten	11.90	75	77336	30.771 ug/l #	1
82) 4-Chlorotoluene	12.03	91	28954	1.046 ug/l	90
83) tert-Butylbenzene	12.20	119	676162	19.740 ug/l	86
84) 1,2,4-Trimethylbenzene	12.29	105	10723432	328.156 ug/l	66
85) sec-Butylbenzene	12.38	105	3459299	75.252 ug/l #	68
86) p-Isopropyltoluene	12.50	119	6107026	157.637 ug/l	89
89) n-Butylbenzene	12.90	91	2961069	77.521 ug/l #	54
90) Hexachloroethane	12.99	117	213083	22.928 ug/l #	20

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
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QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

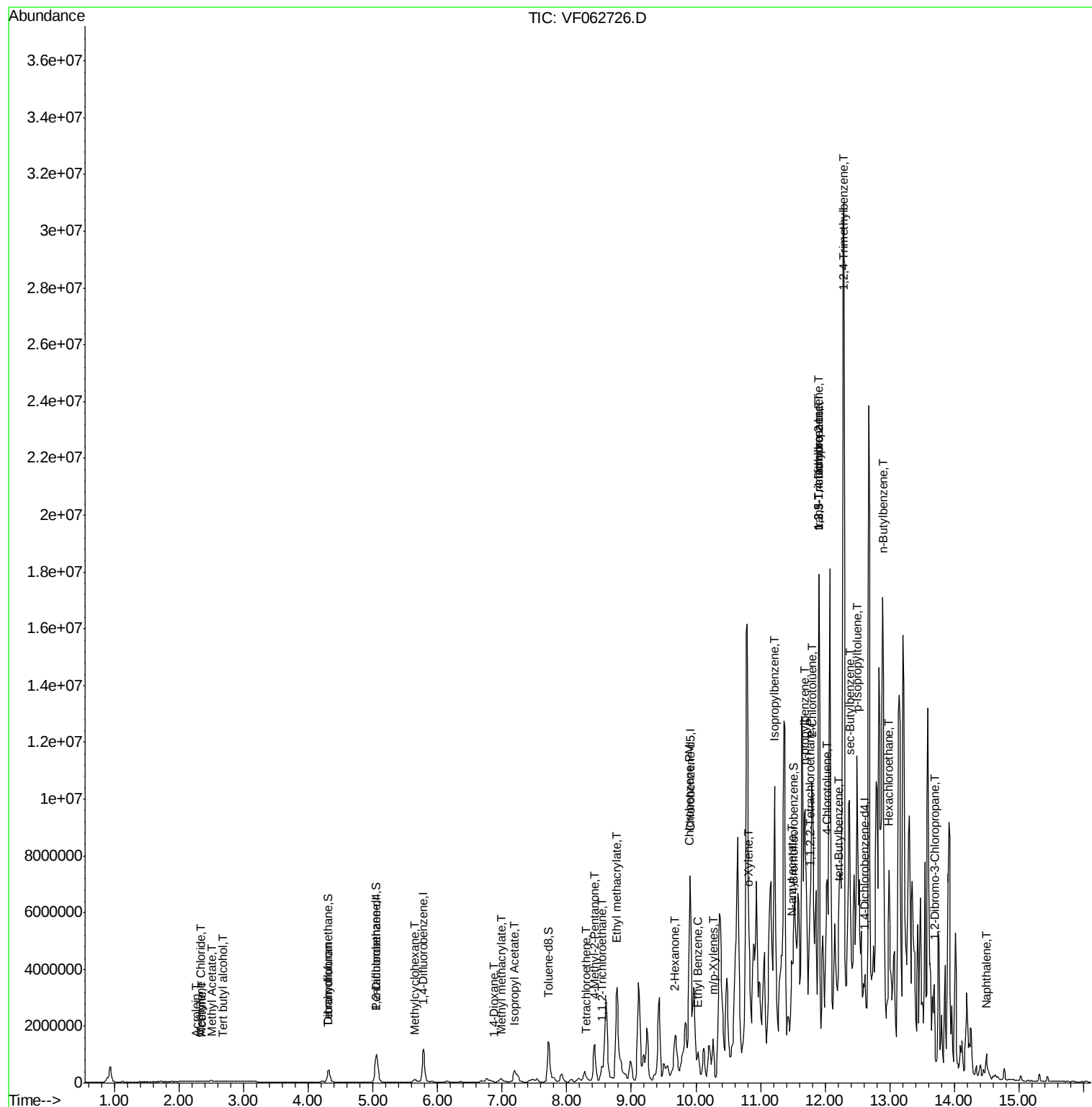
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.68	75	12472	12.150	ug/l #	1
95) Naphthalene	14.50	128	496950	22.641	ug/l	98

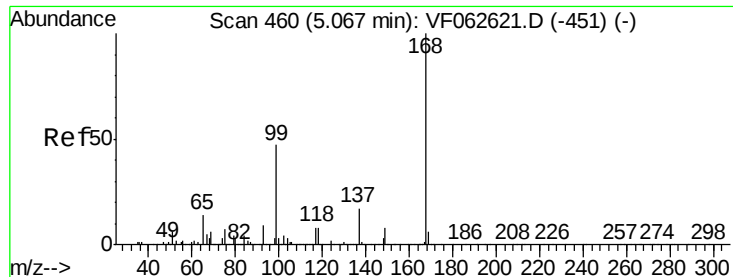
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

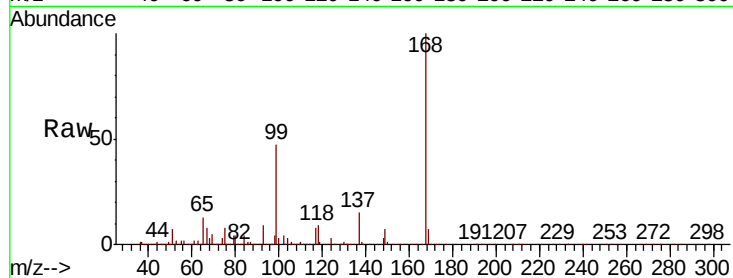
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 969353

Ion Ratio Lower Upper

168 100

99 47.3 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

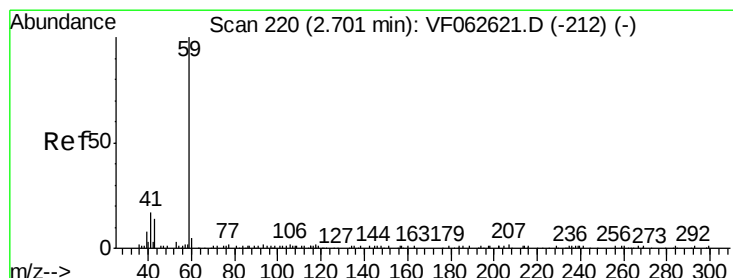
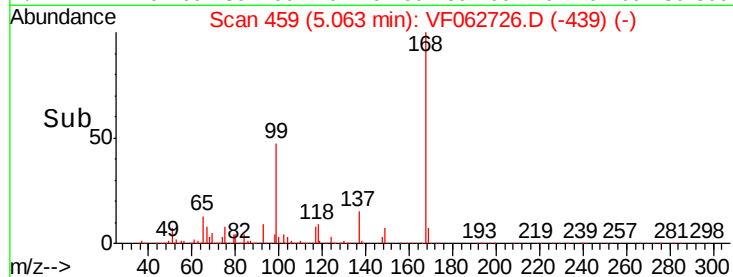
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.175 ug/l

RT: 2.70 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF062726.D

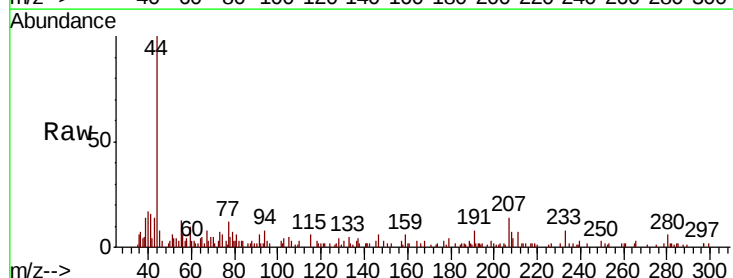
Acq: 23 May 2019 14:56

Tgt Ion: 59 Resp: 1888

Ion Ratio Lower Upper

59 100

57 54.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

800

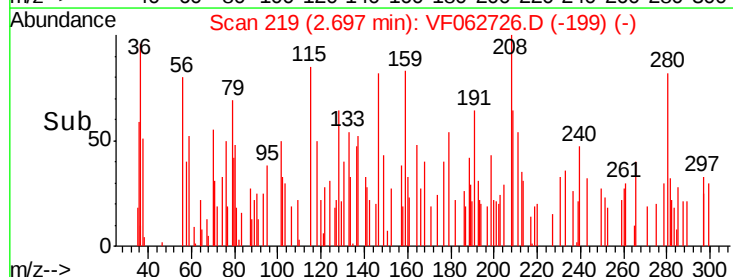
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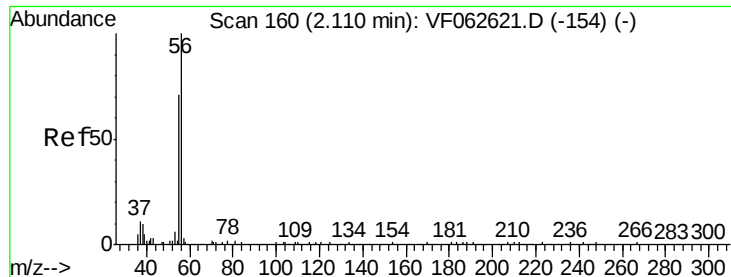
400

200

0

Time-->

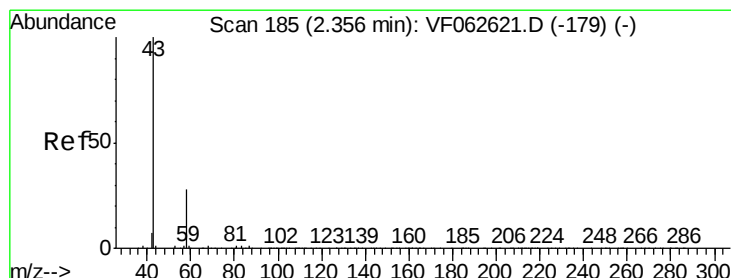
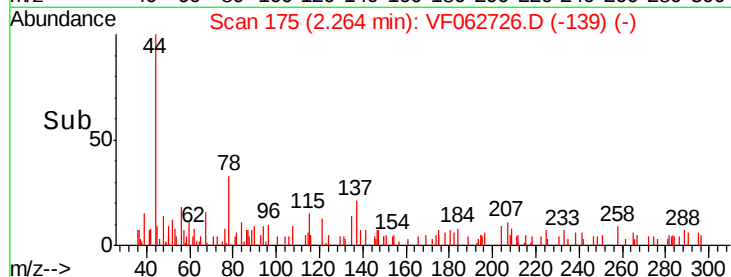
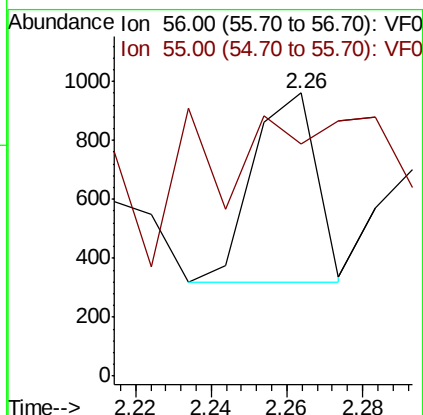
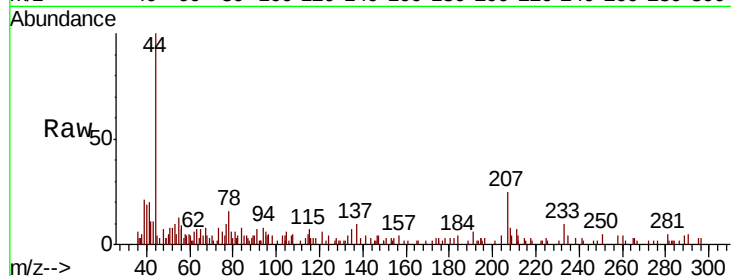




#13
Acrolein
Concen: 1.578 ug/l
RT: 2.26 min Scan# 175
Delta R.T. 0.15 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

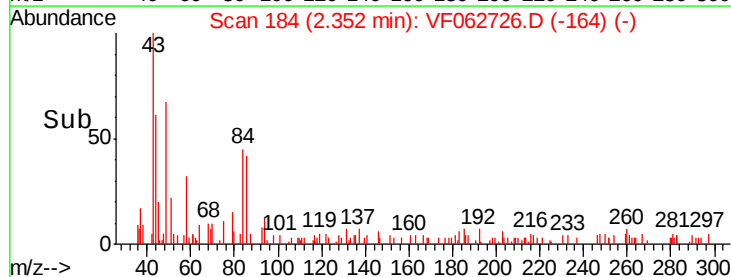
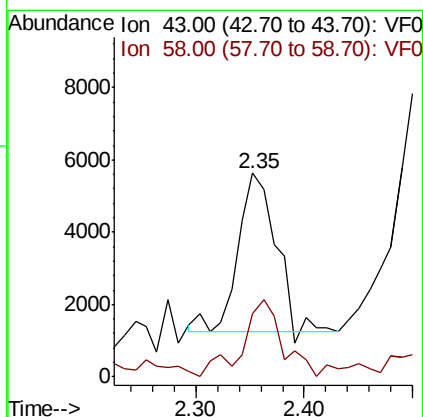
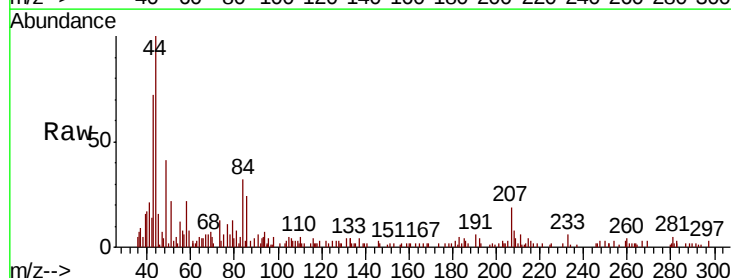
Instrument :
MSVOA_F
ClientSampled :

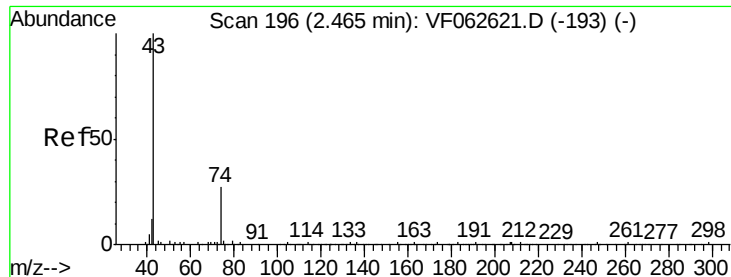
Tot Ion: 56 Resp: 745
Ion Ratio Lower Upper
56 100
55 81.8 59.4 89.0



#16
Acetone
Concen: 6.083 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 10810
Ion Ratio Lower Upper
43 100
58 31.0 22.6 33.8

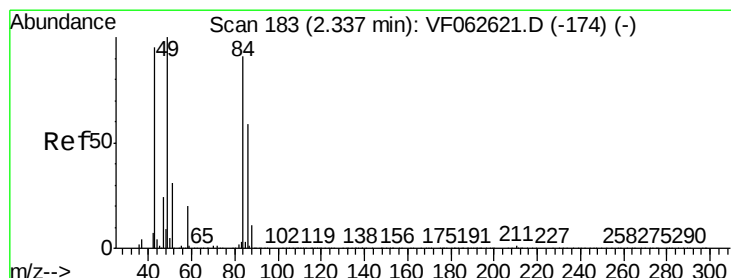
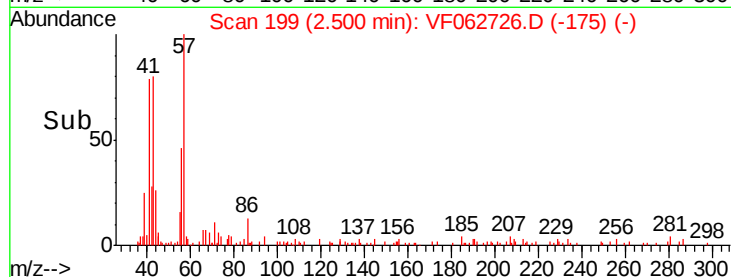
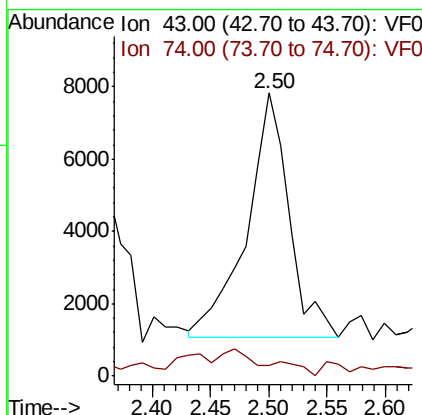
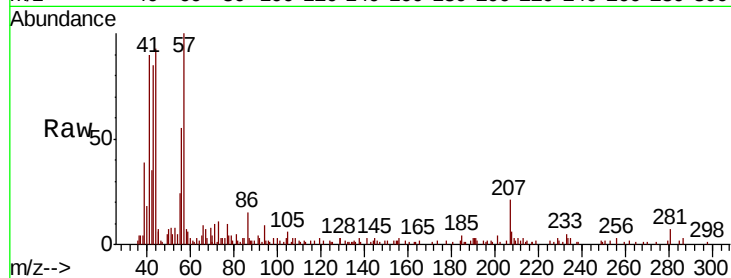




#18
Methvl Acetate
Concen: 6.131 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

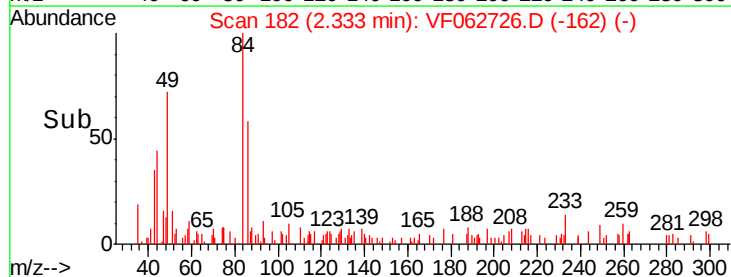
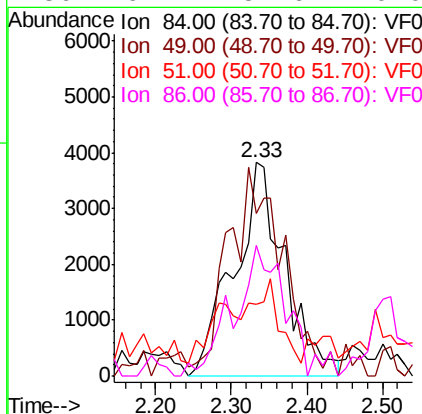
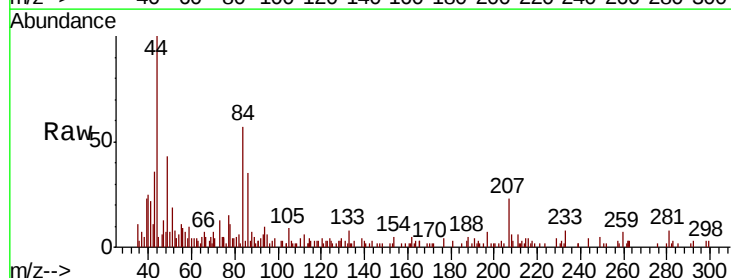
Instrument :
MSVOA_F
ClientSampleId :

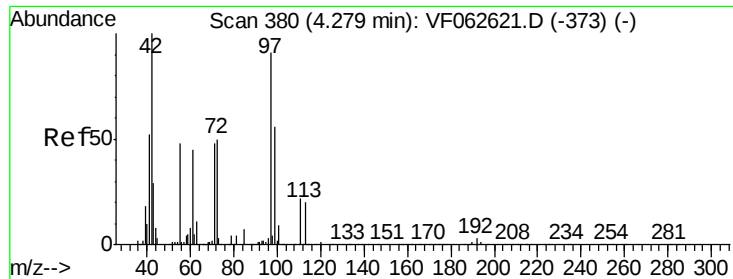
Tot Ion: 43 Resp: 17120
Ion Ratio Lower Upper
43 100
74 4.0 18.9 28.3#



#20
Methylene Chloride
Concen: 1.997 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 84 Resp: 17790
Ion Ratio Lower Upper
84 100
49 76.3 89.8 134.8#
51 33.5 28.4 42.6
86 61.4 52.6 79.0

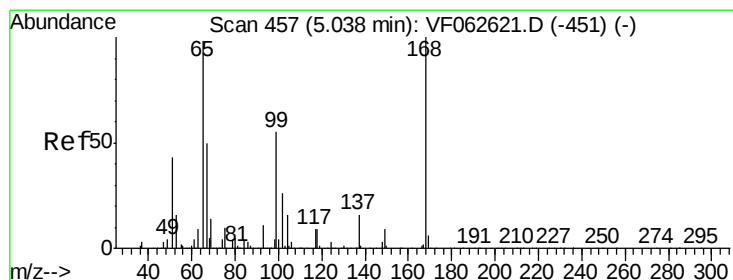
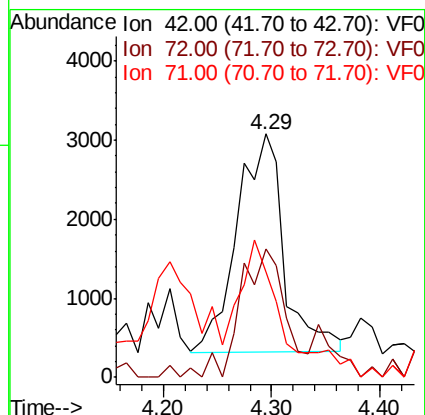
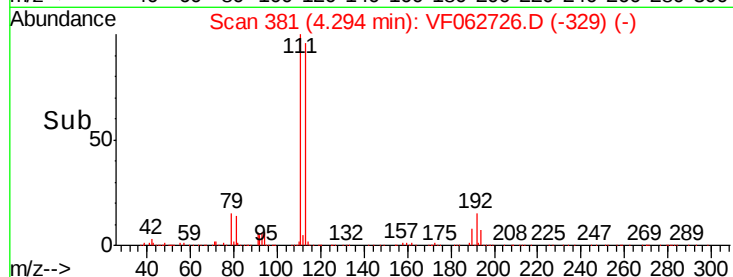
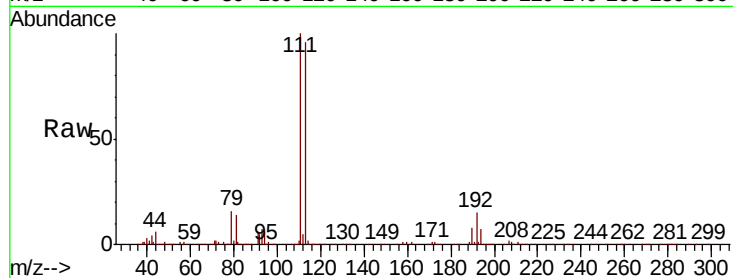




#29
Tetrahydrofuran
Concen: 5.456 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

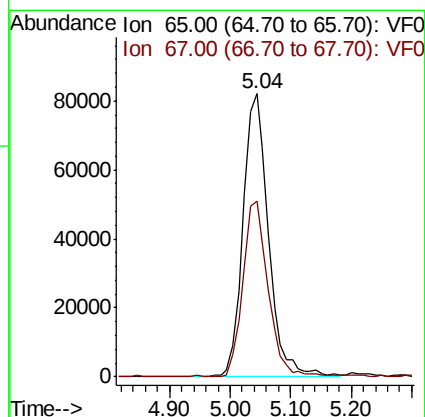
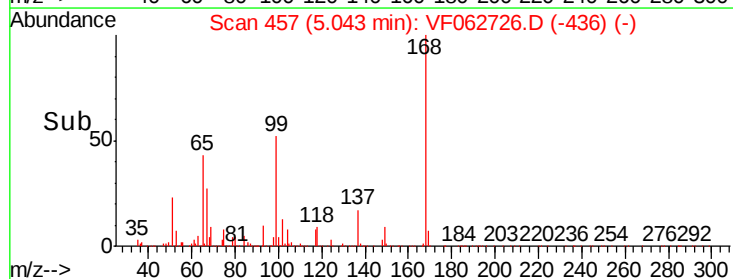
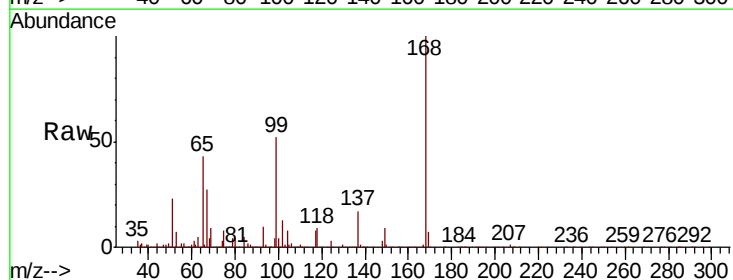
Instrument :
MSVOA_F
ClientSampleId :

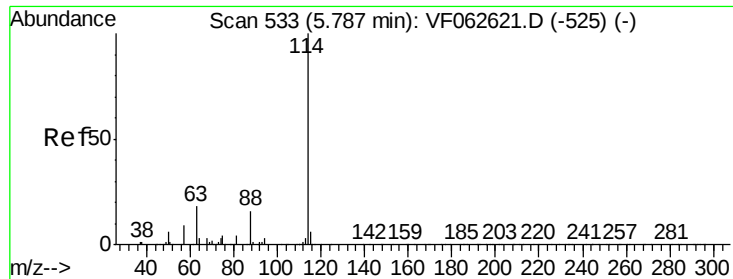
Tot Ion: 42 Resp: 8383
Ion Ratio Lower Upper
42 100
72 56.6 38.2 57.2
71 58.8 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 35.044 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 65 Resp: 240050
Ion Ratio Lower Upper
65 100
67 62.1 0.0 117.6

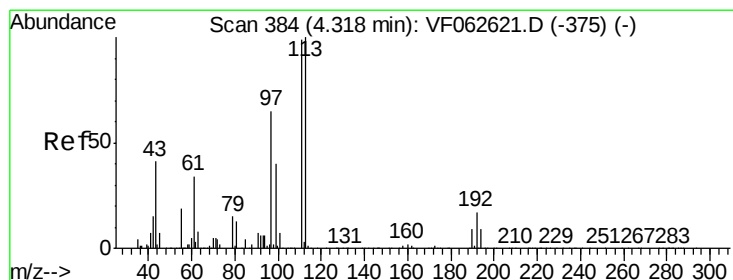
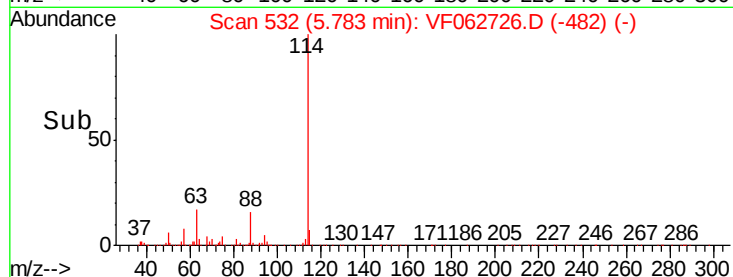
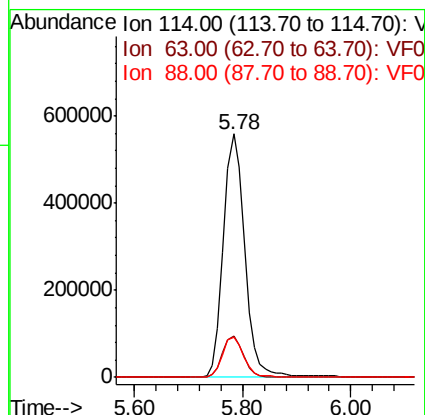
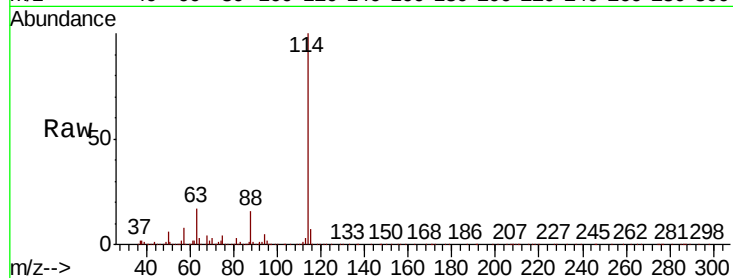




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

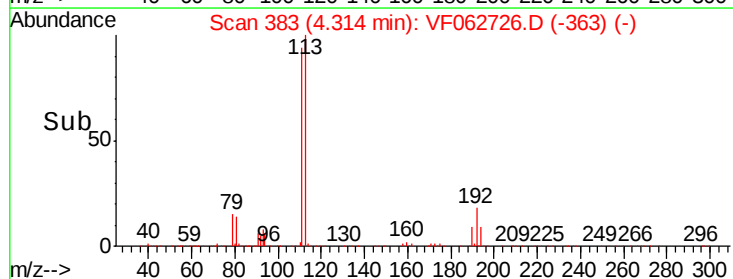
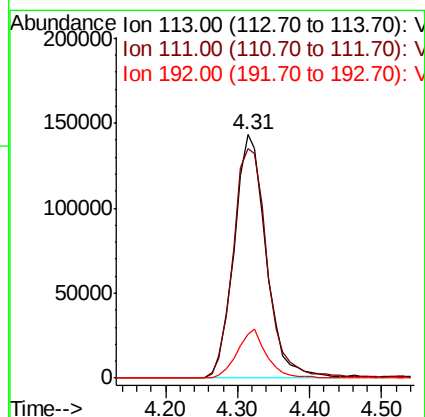
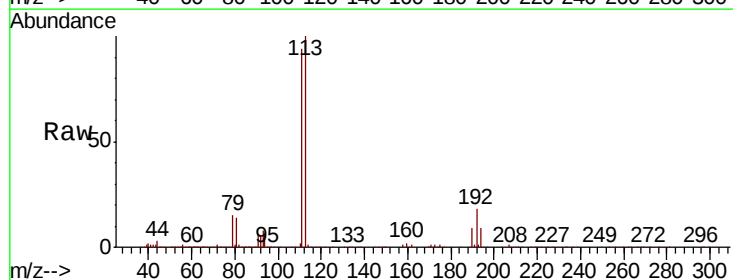
Instrument :
MSVOA_F
ClientSampleId :

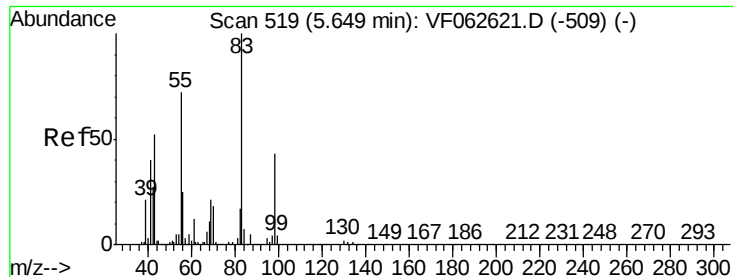
Tot Ion:114 Resp: 1539408
Ion Ratio Lower Upper
114 100
63 17.0 0.0 35.4
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 37.794 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion:113 Resp: 445198
Ion Ratio Lower Upper
113 100
111 94.1 79.4 119.2
192 17.9 13.4 20.2

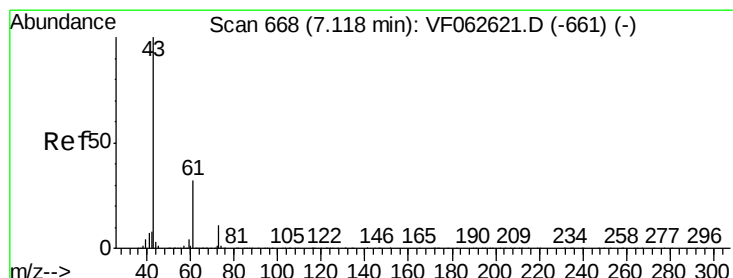
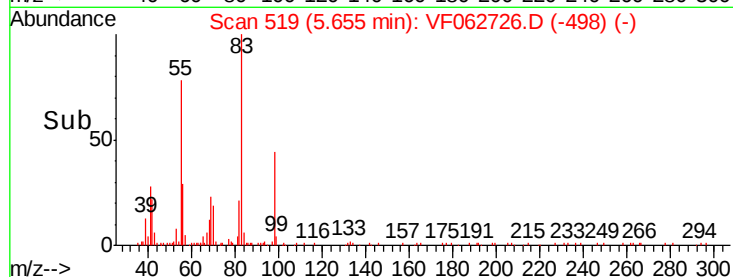
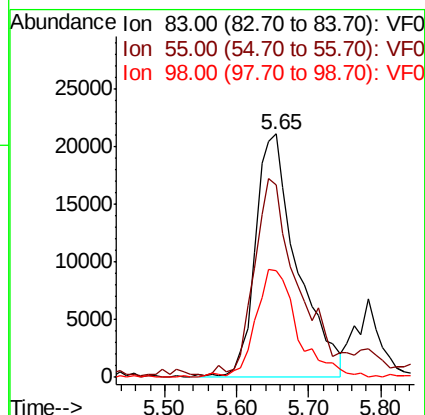
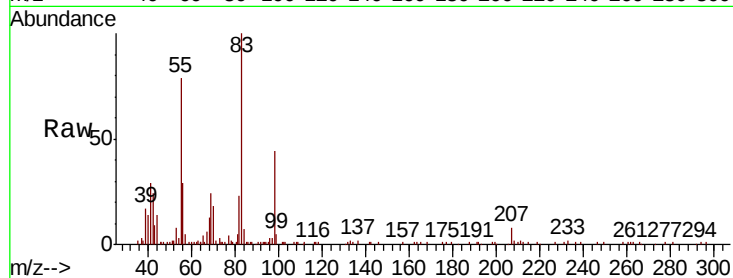




#39
Methylcyclohexane
Concen: 4.485 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

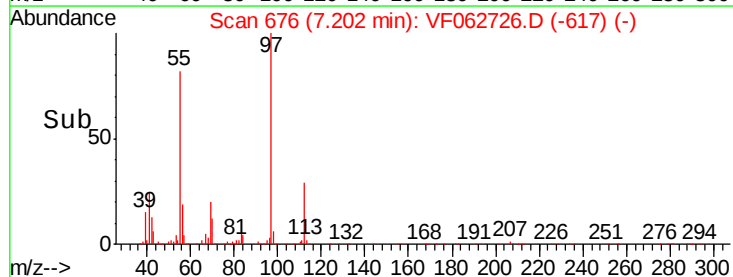
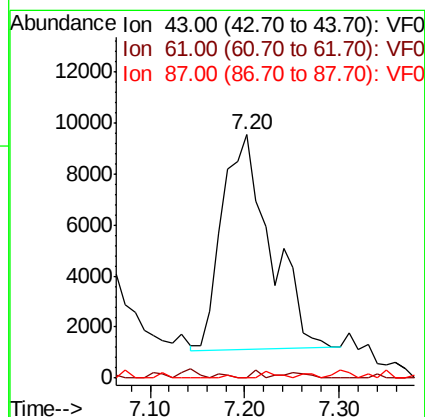
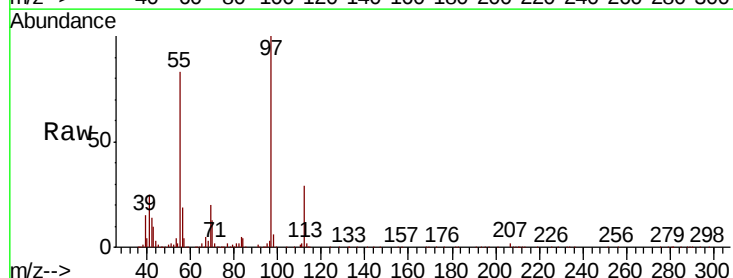
Instrument :
MSVOA_F
ClientSampled :

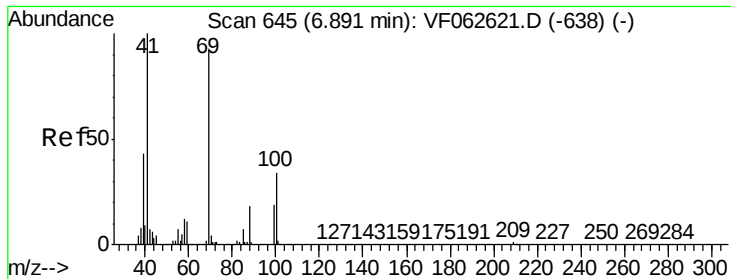
Tot Ion	83	Resp	85136
Ion Ratio	Lower	Upper	
83	100		
55	78.9	57.9	86.9
98	43.5	34.6	52.0



#43
Isopropyl Acetate
Concen: 3.603 ug/l
RT: 7.20 min Scan# 676
Delta R.T. 0.08 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion	43	Resp	30062
Ion Ratio	Lower	Upper	
43	100		
61	0.0	25.8	38.8#
87	0.0	0.4	0.6#

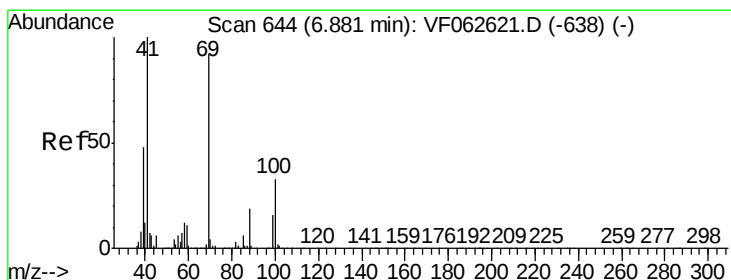
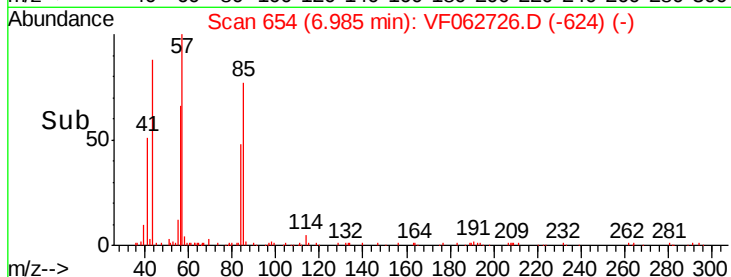
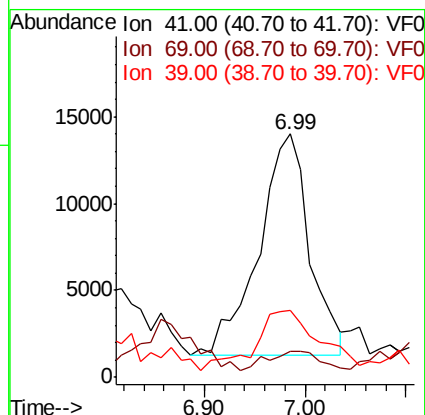
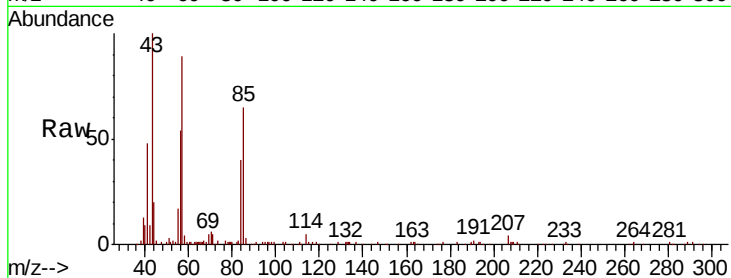




#48
Methvl methacrvlate
Concen: 10.216 ug/l
RT: 6.99 min Scan# 654
Delta R.T. 0.09 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

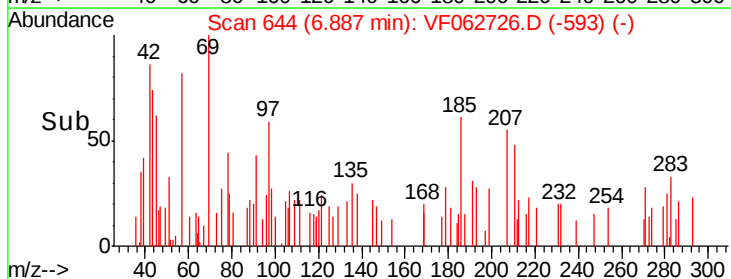
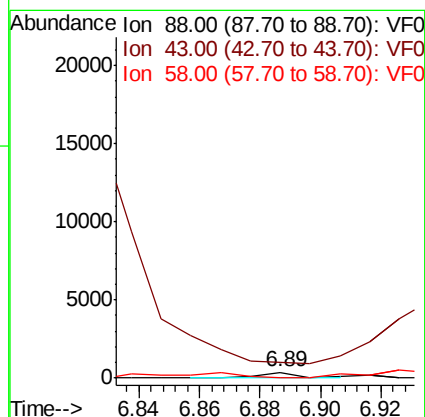
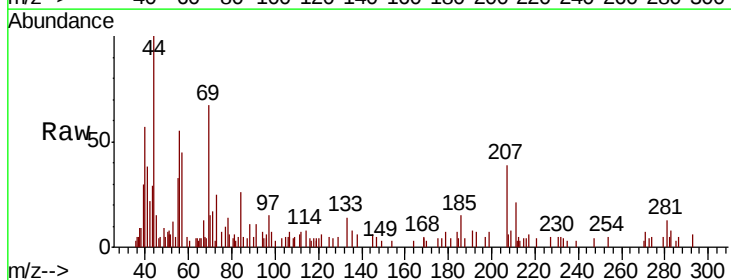
Instrument :
MSVOA_F
ClientSampleId :

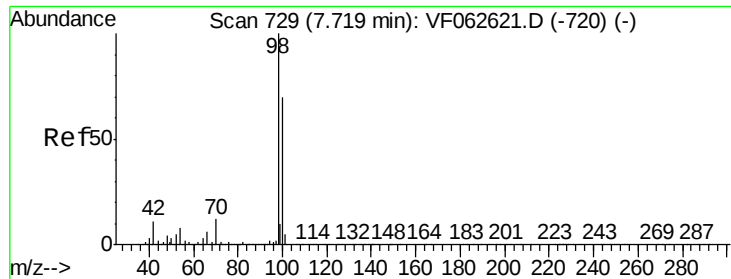
Tot Ion: 41 Resp: 44555
Ion Ratio Lower Upper
41 100
69 10.7 74.2 111.2#
39 27.5 34.2 51.4#



#49
1,4-Dioxane
Concen: 6.588 ug/l
RT: 6.89 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 88 Resp: 368
Ion Ratio Lower Upper
88 100
43 257.1 30.0 45.0#
58 0.0 51.1 76.7#

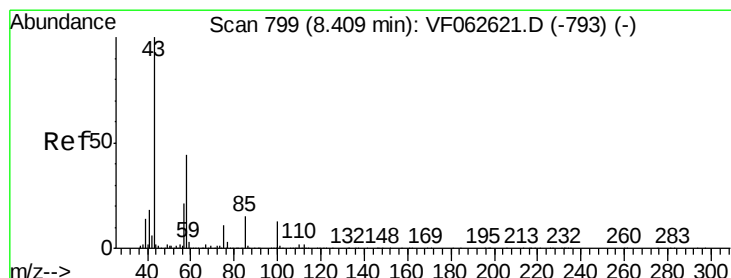
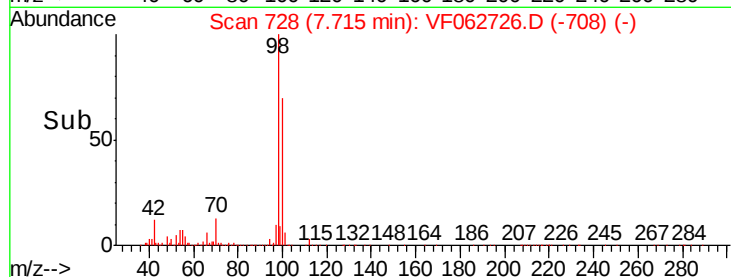
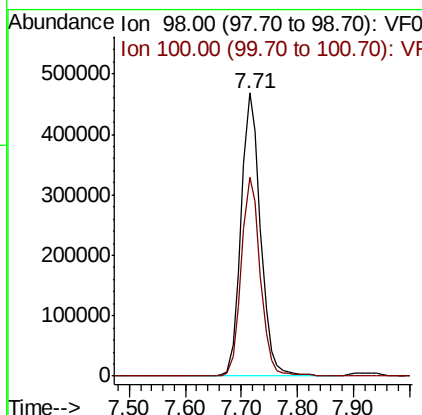
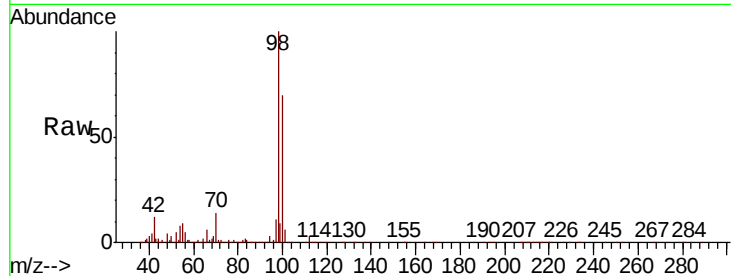




#50
Toluene-d8
Concen: 40.225 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

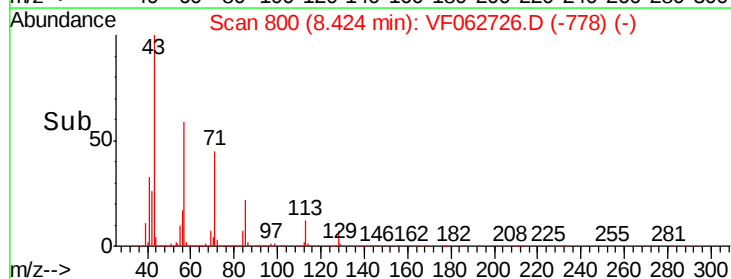
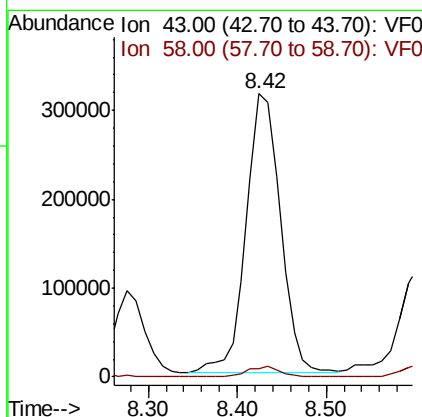
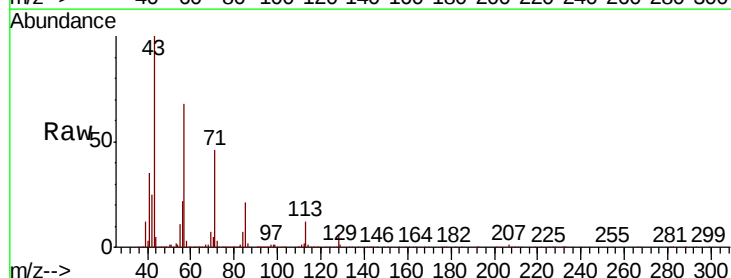
Instrument :
MSVOA_F
ClientSampleId :

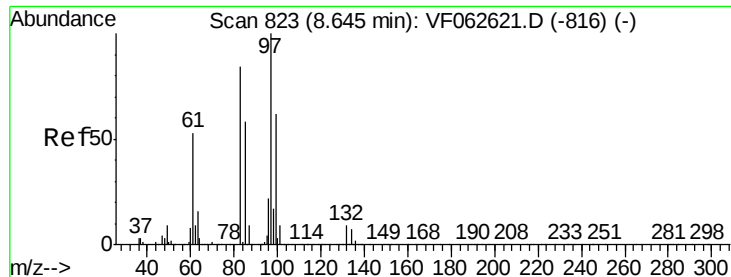
Tot Ion: 98 Resp: 1131341
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 147.898 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.02 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 843536
Ion Ratio Lower Upper
43 100
58 2.9 34.9 52.3#

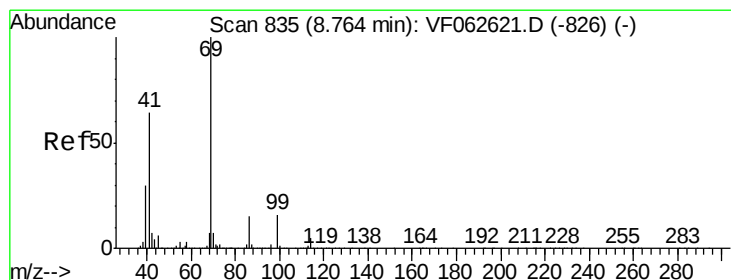
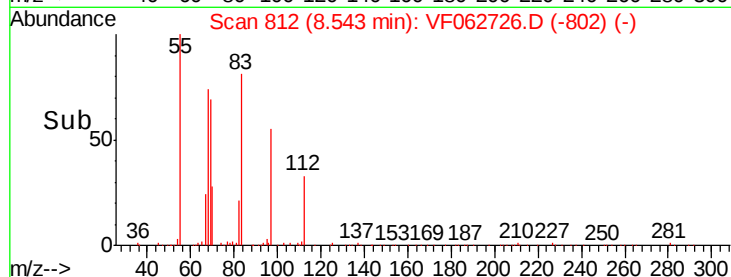
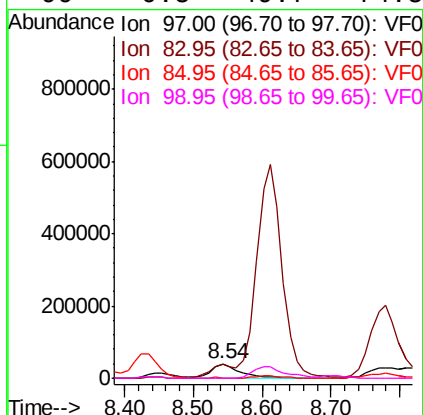
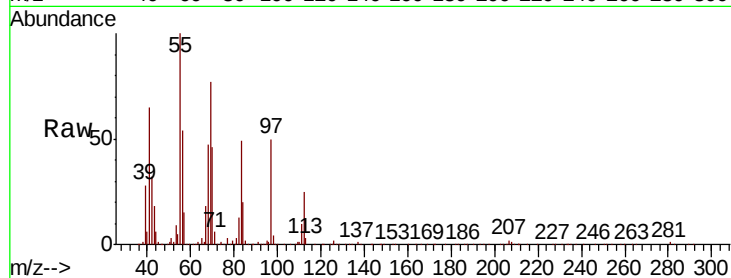




#55
 1,1,2-Trichloroethane
 Concen: 17.420 ug/l
 RT: 8.54 min Scan# 812
 Delta R.T. -0.10 min
 Lab File: VF062726.D
 Acq: 23 May 2019 14:56

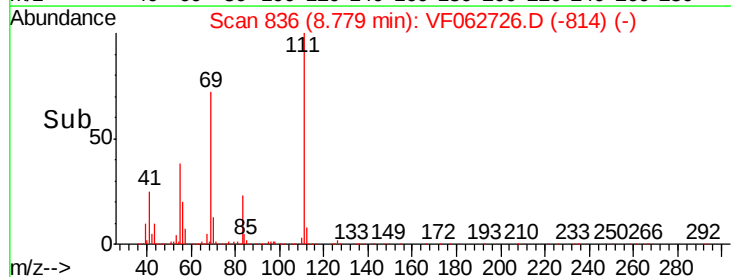
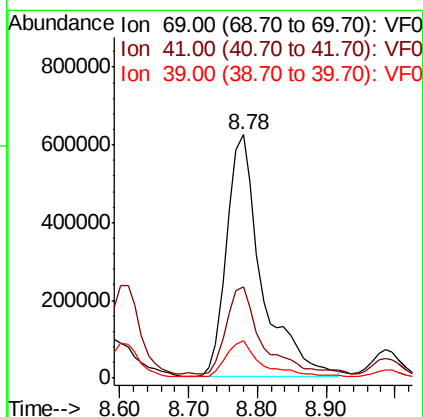
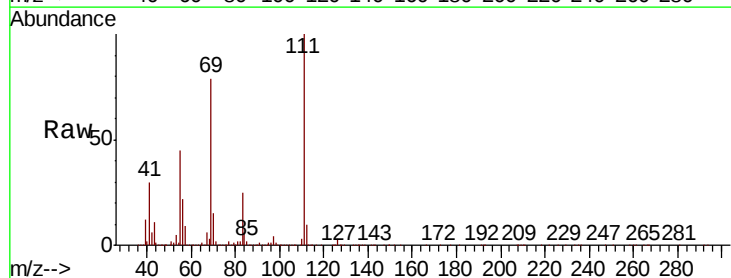
Instrument :
 MSVOA_F
 ClientSampleId :

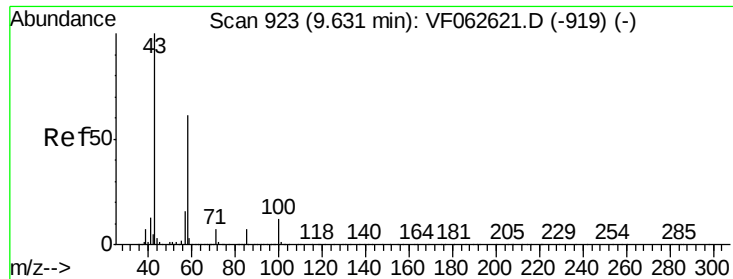
Tot Ion:	97	Resp:	116240
Ion	Ratio	Lower	Upper
97	100		
83	99.1	67.3	100.9
85	3.0	46.6	69.8#
99	0.5	49.7	74.5#



#56
 Ethyl methacrylate
 Concen: 277.267 ug/l
 RT: 8.78 min Scan# 836
 Delta R.T. 0.02 min
 Lab File: VF062726.D
 Acq: 23 May 2019 14:56

Tgt Ion:	69	Resp:	2204257
Ion	Ratio	Lower	Upper
69	100		
41	37.5	51.4	77.2#
39	15.3	23.6	35.4#

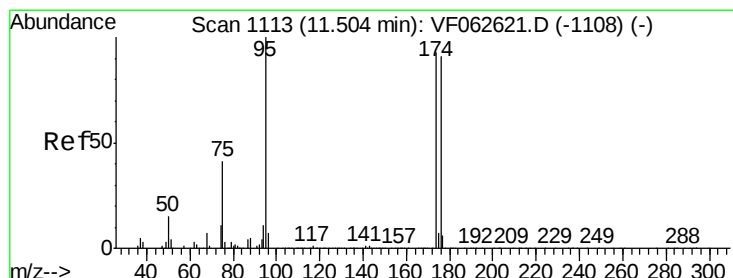
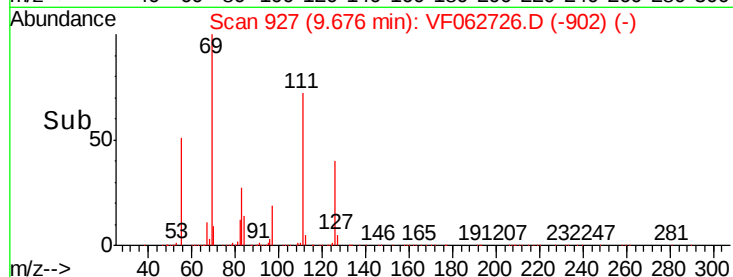
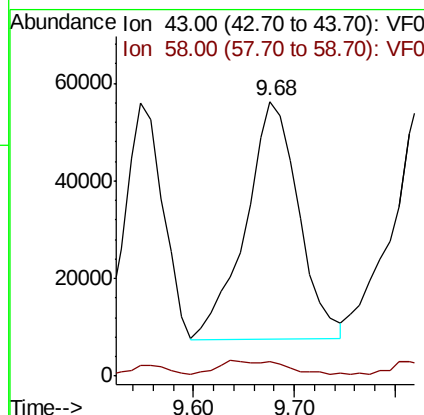
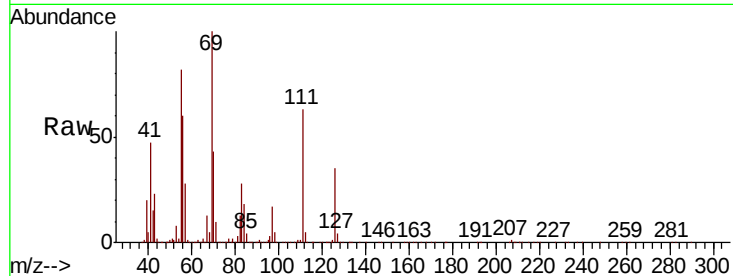




#59
2-Hexanone
Concen: 32.328 ug/l
RT: 9.68 min Scan# 927
Delta R.T. 0.05 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

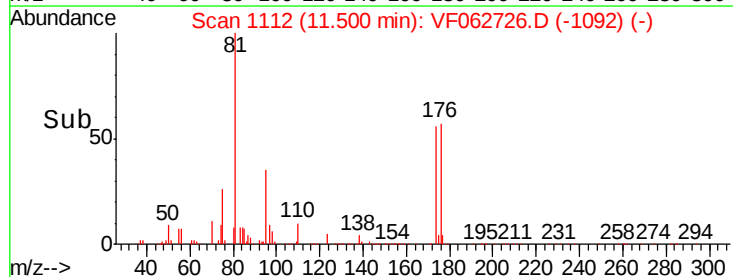
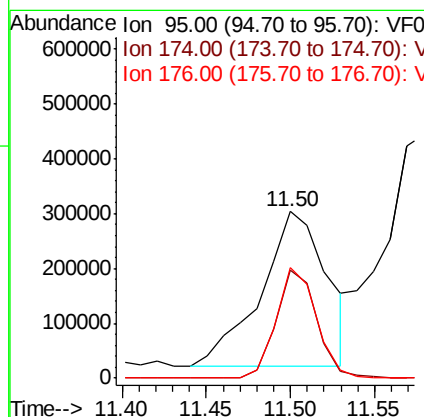
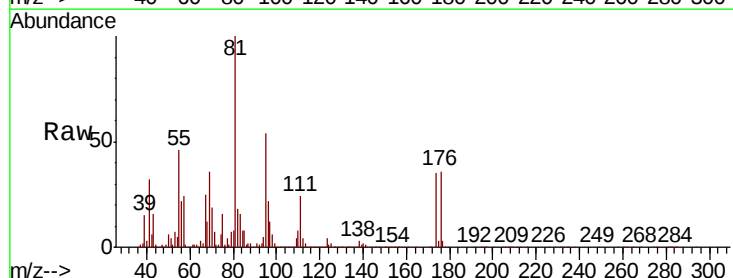
Instrument :
MSVOA_F
ClientSampleId :

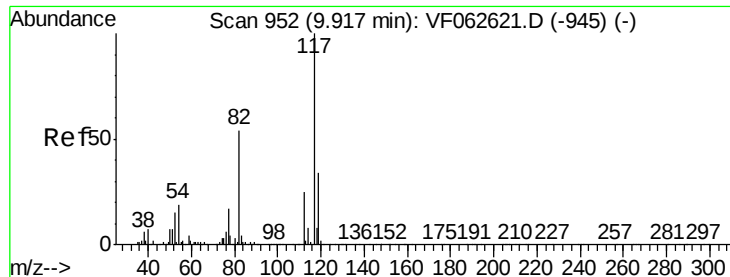
Tot Ion: 43 Resp: 177556
Ion Ratio Lower Upper
43 100
58 5.4 28.1 84.4#



#62
4-Bromofluorobenzene
Concen: 71.760 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 95 Resp: 765466
Ion Ratio Lower Upper
95 100
174 65.0 0.0 185.6
176 66.6 0.0 182.4

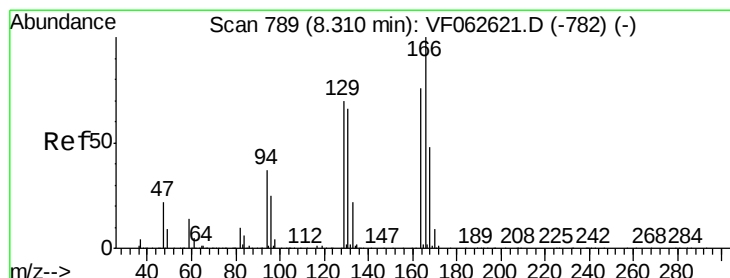
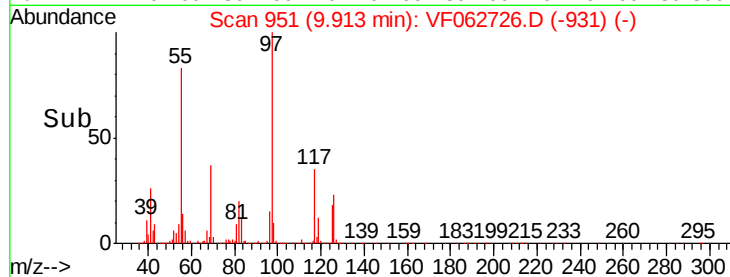
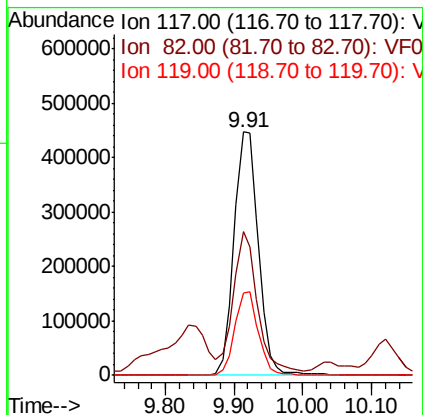
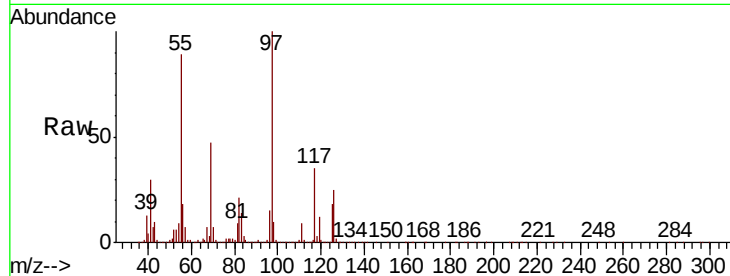




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

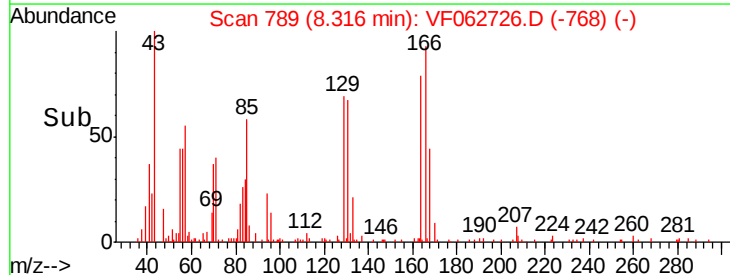
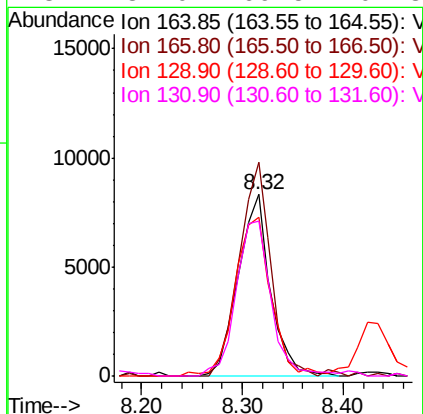
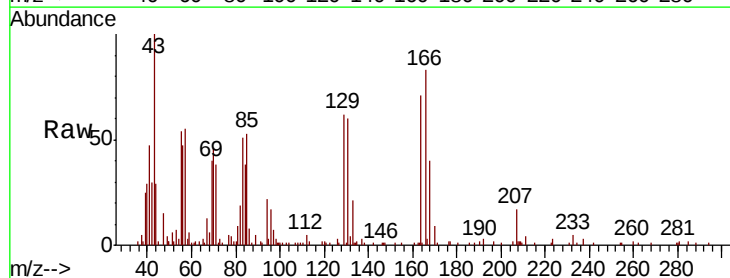
Instrument :
MSVOA_F
ClientSampleId :

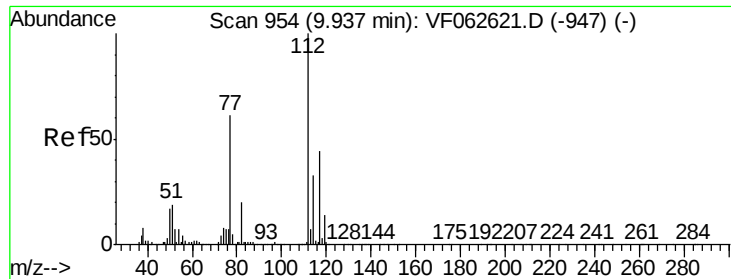
Tot Ion:117 Resp: 1097101
Ion Ratio Lower Upper
117 100
82 59.2 43.3 64.9
119 34.0 27.4 41.0



#64
Tetrachloroethene
Concen: 2.128 ug/l
RT: 8.32 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion:164 Resp: 18493
Ion Ratio Lower Upper
164 100
166 115.7 105.5 158.3
129 86.2 73.8 110.6
131 84.0 69.5 104.3

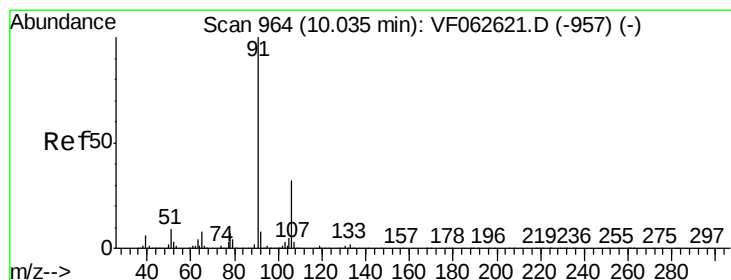
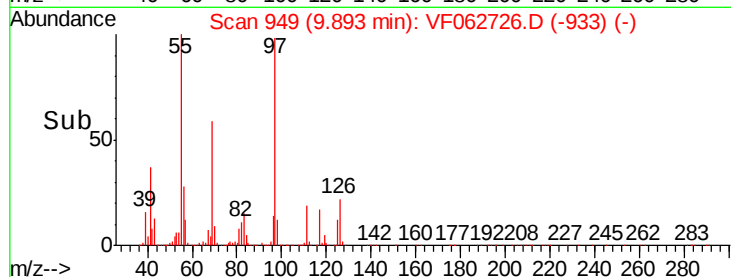
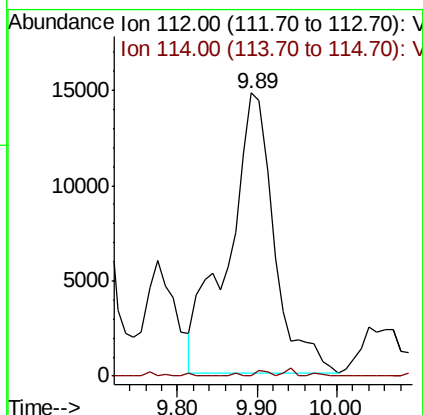
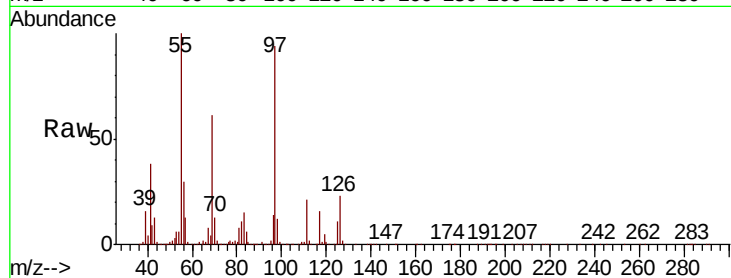




#65
Chlorobenzene
Concen: 2.721 ug/l
RT: 9.89 min Scan# 949
Delta R.T. -0.04 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

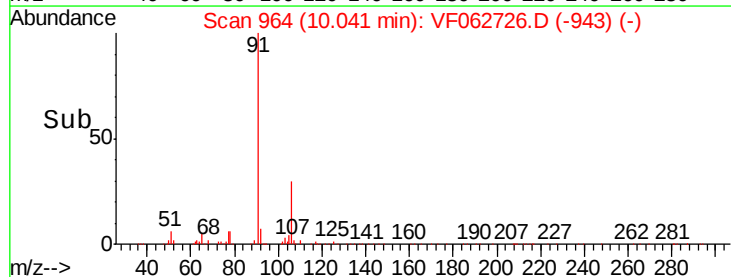
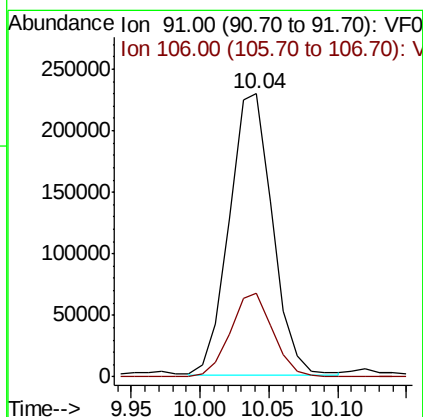
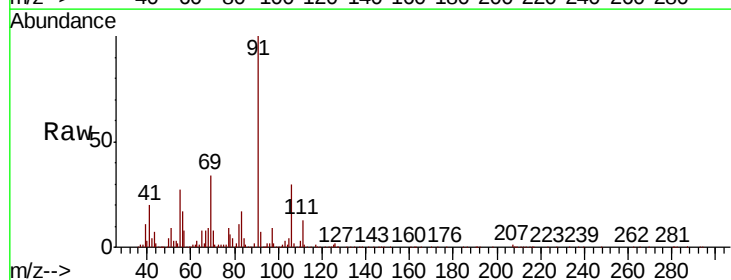
Instrument :
MSVOA_F
ClientSampleId :

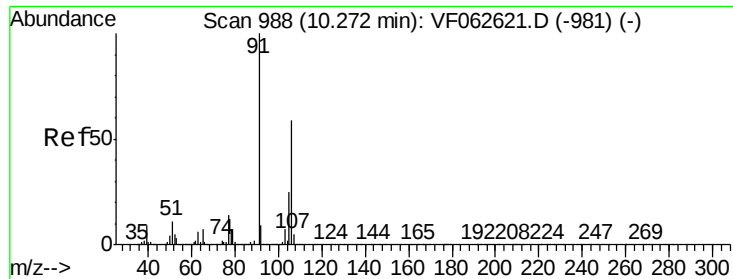
Tot Ion: 112 Resp: 58643
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#67
Ethyl Benzene
Concen: 13.381 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 91 Resp: 500919
Ion Ratio Lower Upper
91 100
106 29.5 25.8 38.8

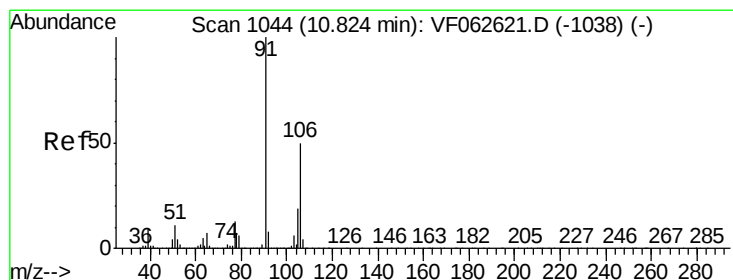
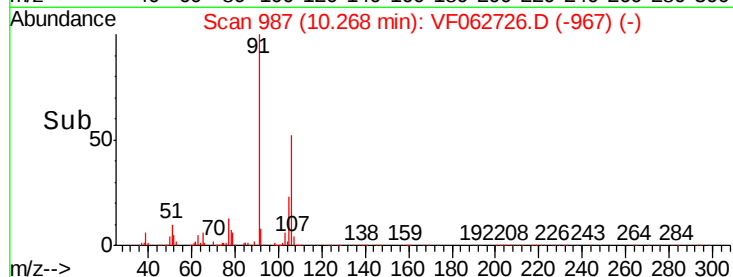
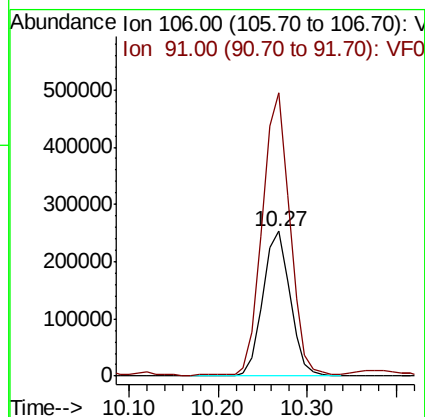
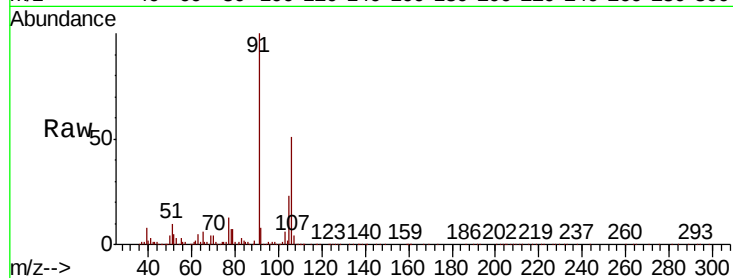




#68
m/p-Xylenes
Concen: 38.068 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

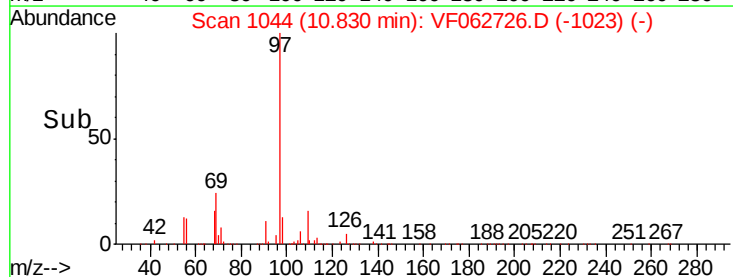
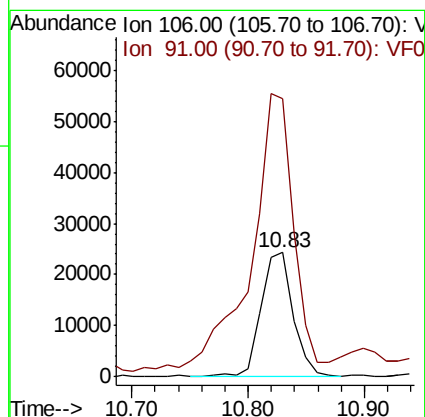
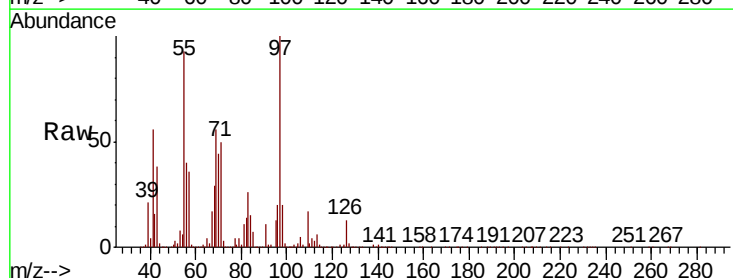
Instrument :
MSVOA_F
ClientSampleId :

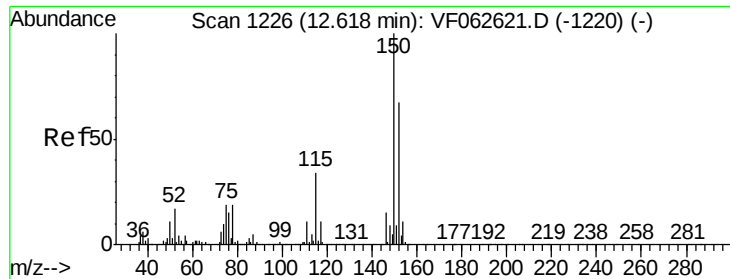
Tot Ion:106 Resp: 535590
Ion Ratio Lower Upper
106 100
91 195.3 136.9 205.3



#69
o-Xylene
Concen: 3.230 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion:106 Resp: 46809
Ion Ratio Lower Upper
106 100
91 223.6 100.2 300.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

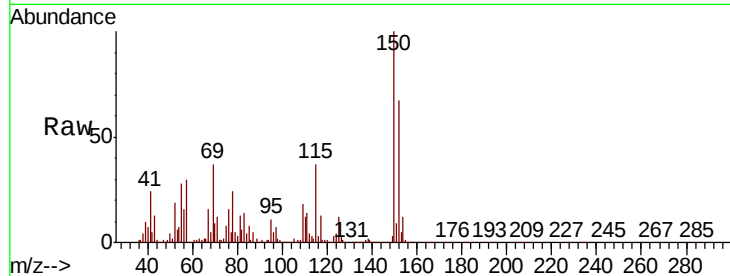
Tot Ion:152 Resp: 587489

Ion Ratio Lower Upper

152 100

115 55.8 25.2 75.6

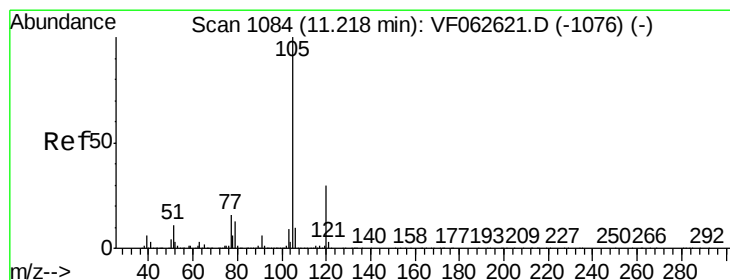
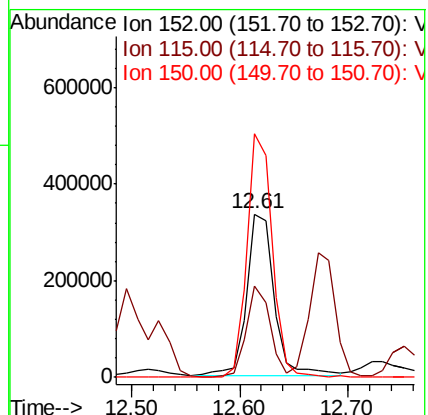
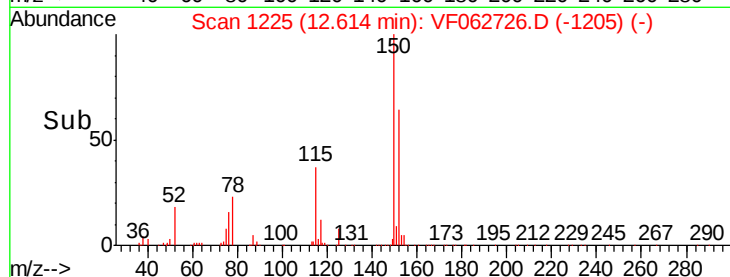
150 149.1 0.0 306.2



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



#73

Isopropylbenzene

Concen: 54.198 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062726.D

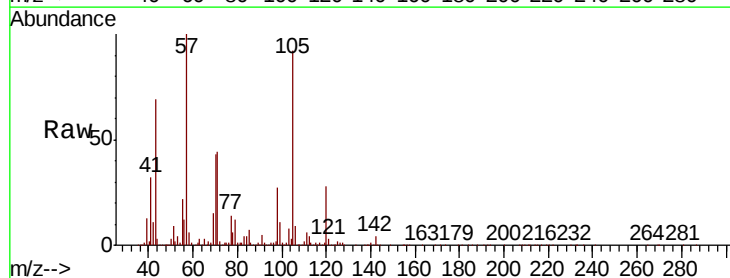
Acq: 23 May 2019 14:56

Tgt Ion:105 Resp: 2282061

Ion Ratio Lower Upper

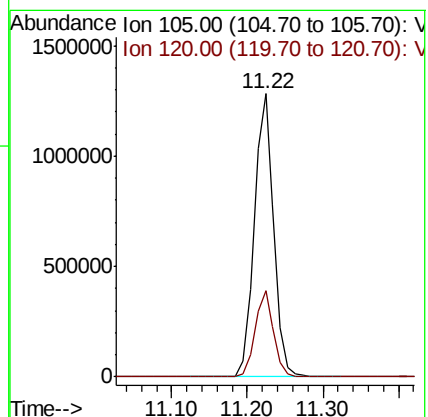
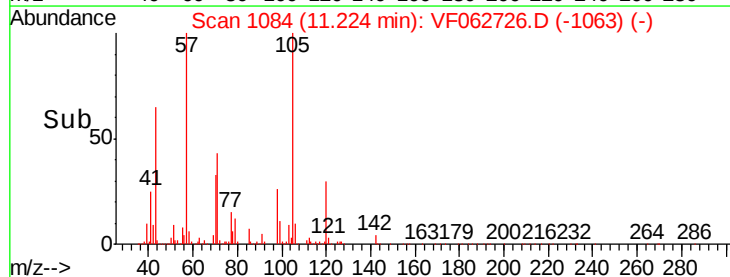
105 100

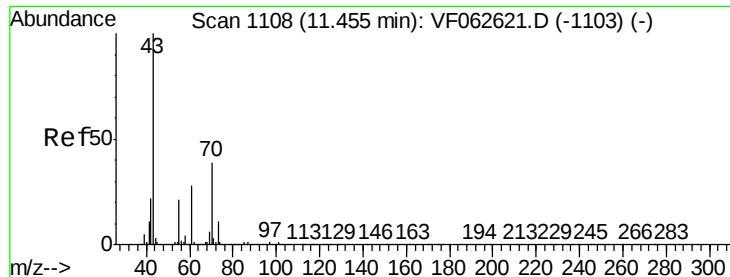
120 30.3 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 33.543 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.03 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 378390

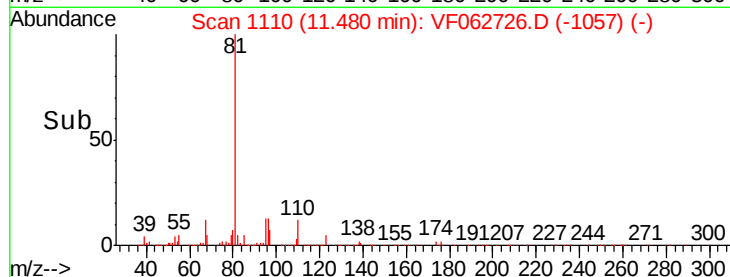
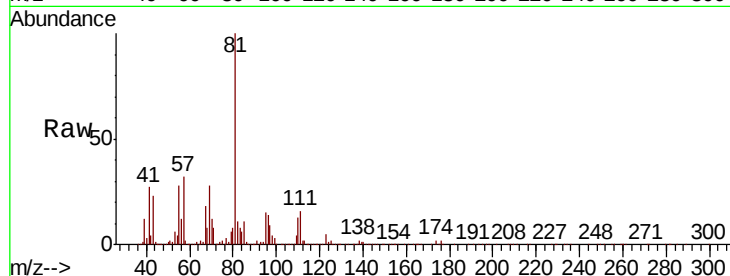
Ion Ratio Lower Upper

43 100

70 51.7 30.9 46.3#

55 122.6 17.0 25.4#

61 0.8 22.6 34.0#

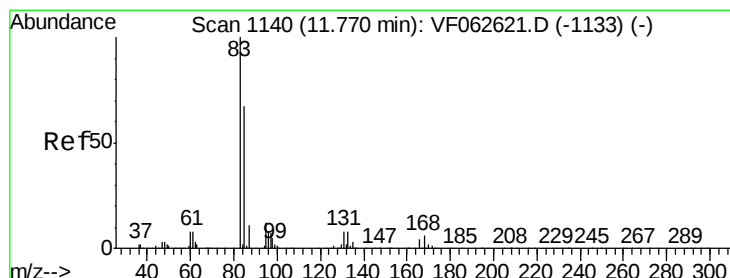
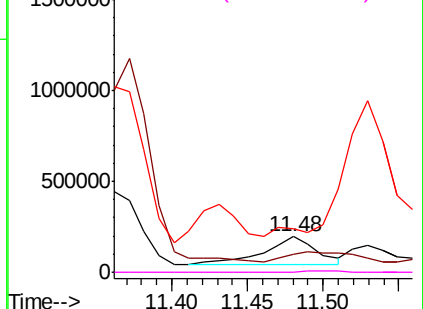


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 86.542 ug/l

RT: 11.76 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

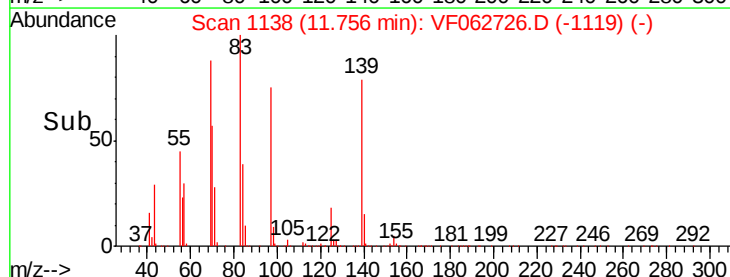
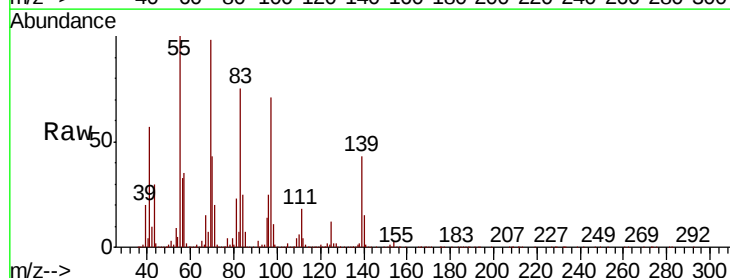
Tgt Ion: 83 Resp: 744694

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

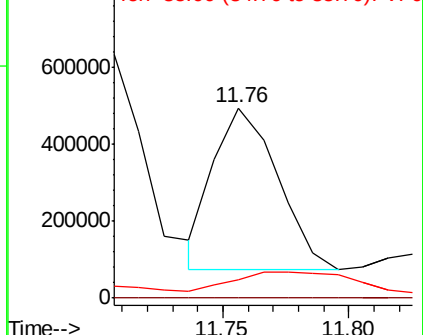
85 9.7 33.5 100.5#

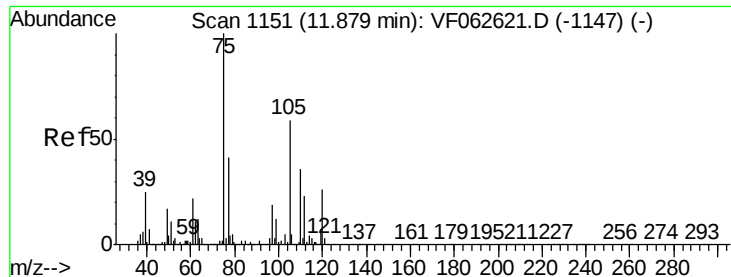


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0





#76

1,2,3-Trichloropropane

Concen: 13.678 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.03 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_F

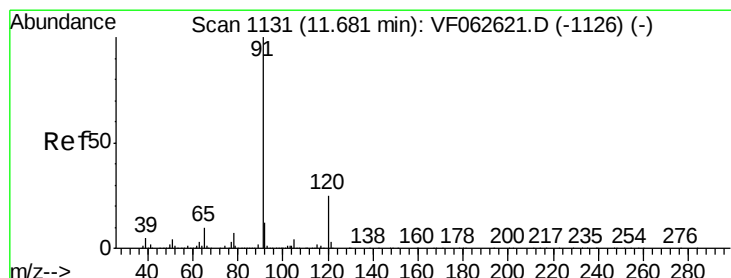
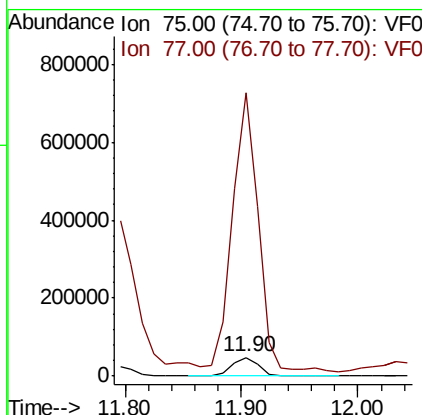
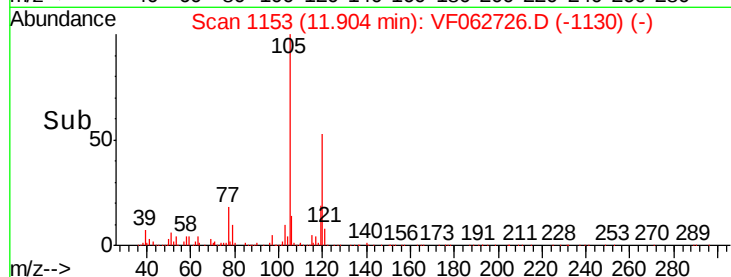
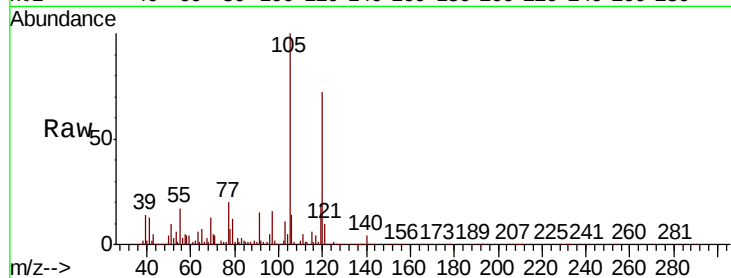
ClientSampleId :

Tot Ion: 75 Resp: 77336

Ion Ratio Lower Upper

75 100

77 1498.6 20.6 61.8#



#78

n-propylbenzene

Concen: 79.373 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VF062726.D

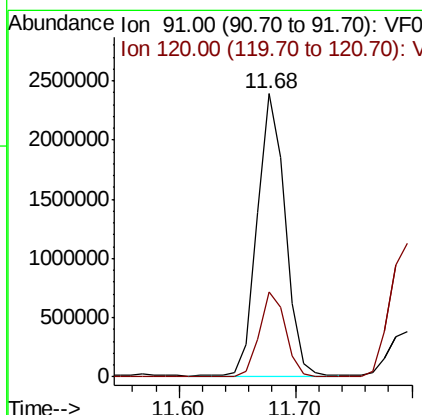
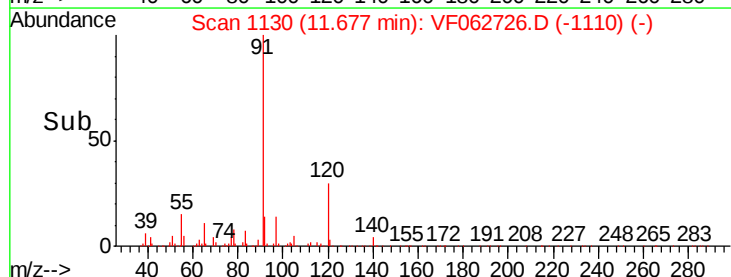
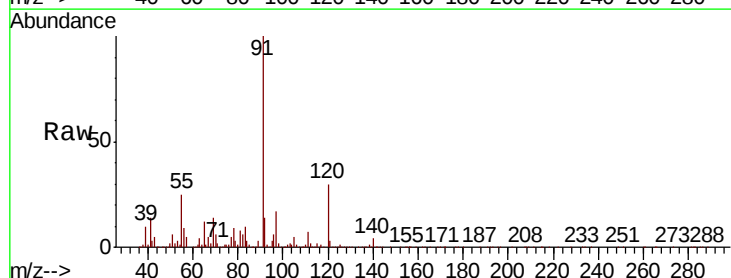
Acq: 23 May 2019 14:56

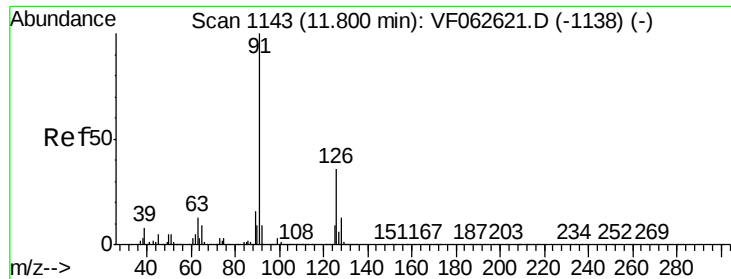
Tgt Ion: 91 Resp: 3955285

Ion Ratio Lower Upper

91 100

120 30.0 12.7 38.1

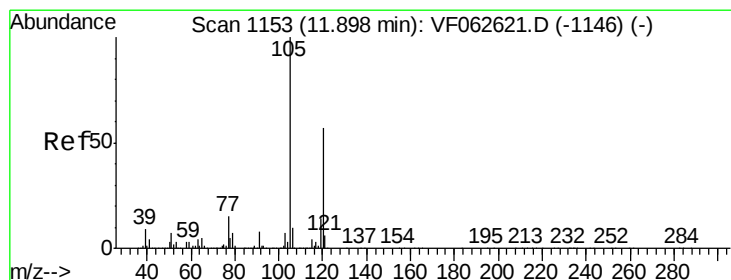
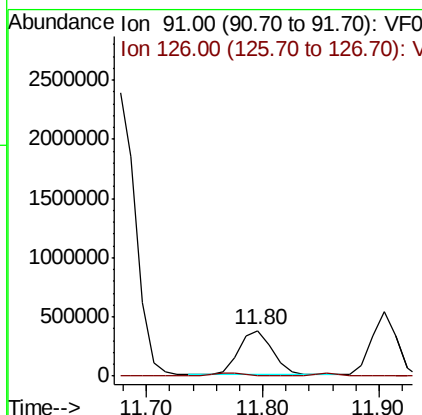
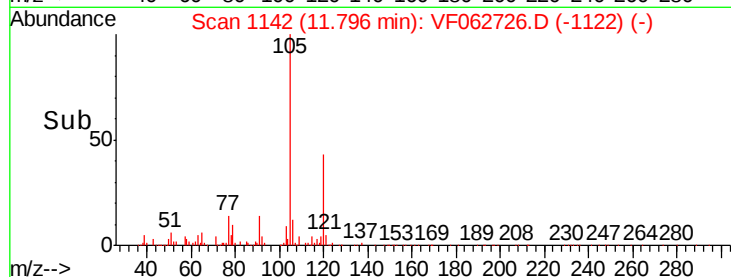
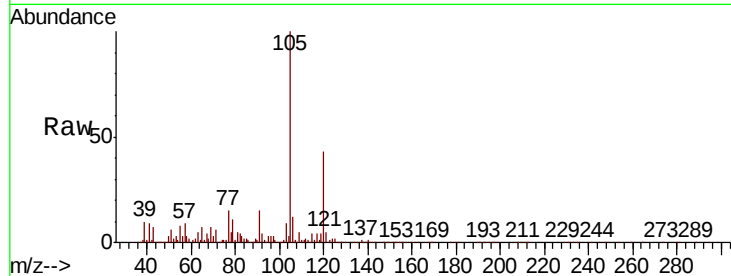




#79
 2-Chlorotoluene
 Concen: 27.496 ug/l
 RT: 11.80 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VF062726.D
 Acq: 23 May 2019 14:56

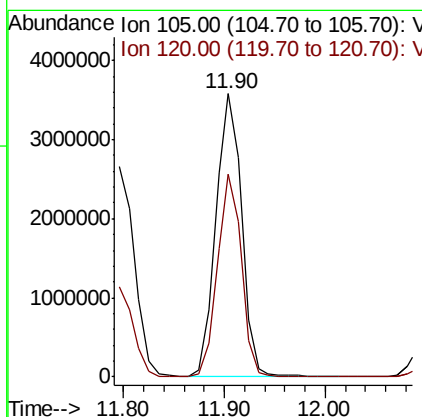
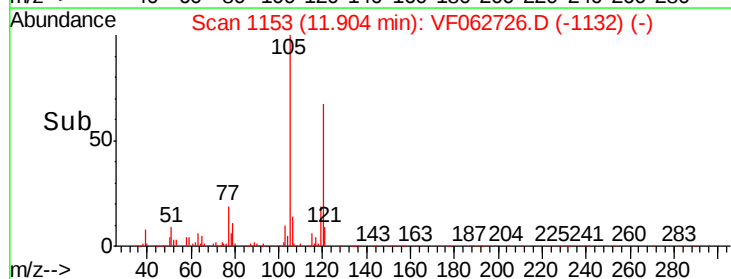
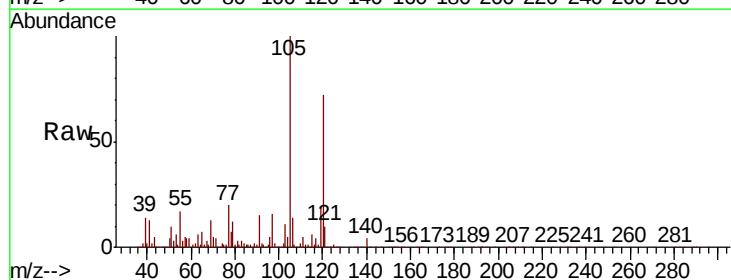
Instrument :
 MSVOA_F
 ClientSampleId :

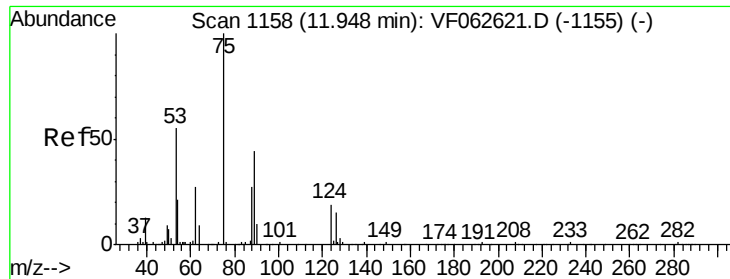
Tot Ion: 91 Resp: 772186
 Ion Ratio Lower Upper
 91 100
 126 1.6 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 187.535 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VF062726.D
 Acq: 23 May 2019 14:56

Tgt Ion: 105 Resp: 6331698
 Ion Ratio Lower Upper
 105 100
 120 71.5 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 30.771 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.04 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

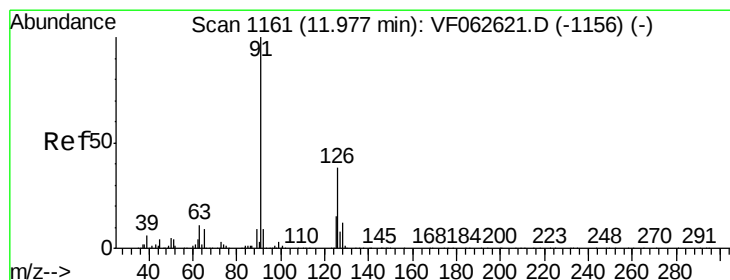
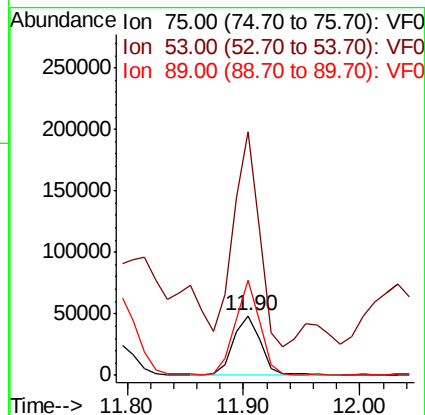
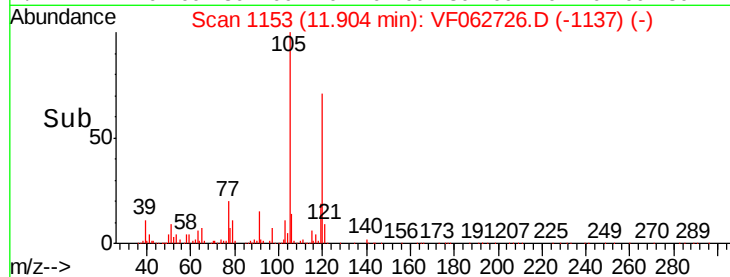
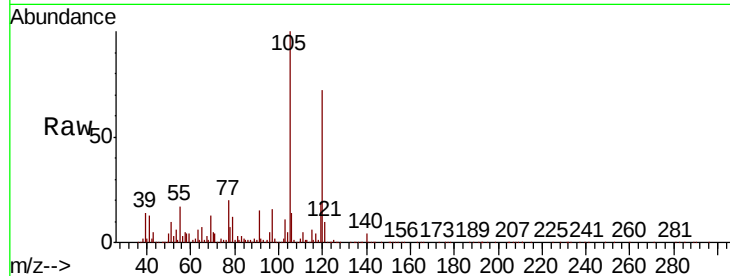
Tot Ion: 75 Resp: 77336

Ion Ratio Lower Upper

75 100

53 408.7 46.9 70.3#

89 159.3 36.4 54.6#



#82

4-Chlorotoluene

Concen: 1.046 ug/l

RT: 12.03 min Scan# 1166

Delta R.T. 0.06 min

Lab File: VF062726.D

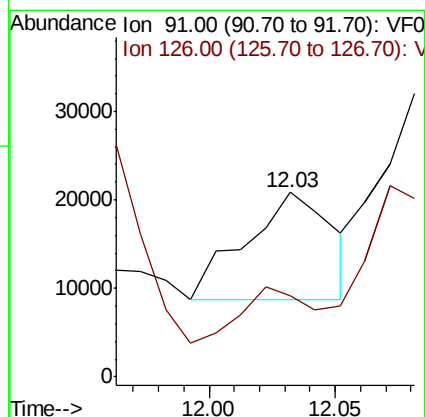
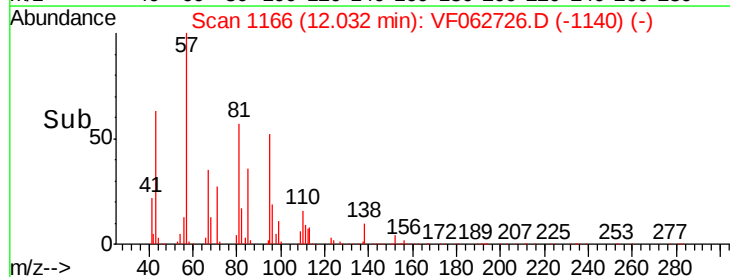
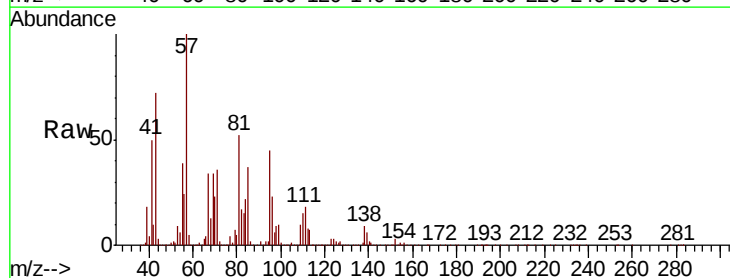
Acq: 23 May 2019 14:56

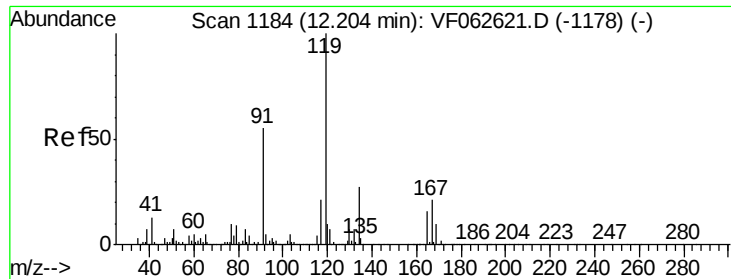
Tgt Ion: 91 Resp: 28954

Ion Ratio Lower Upper

91 100

126 44.1 19.1 57.1





#83

tert-Butylbenzene

Concen: 19.740 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

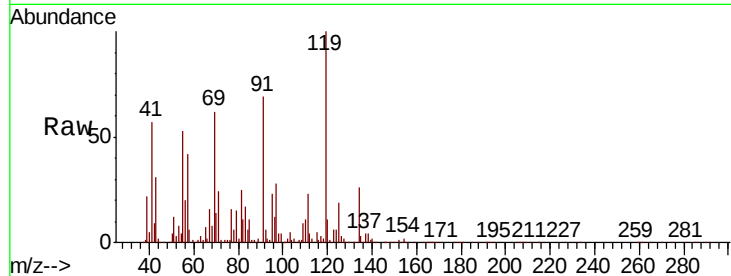
Tot Ion:119 Resp: 676162

Ion Ratio Lower Upper

119 100

91 68.9 27.3 81.9

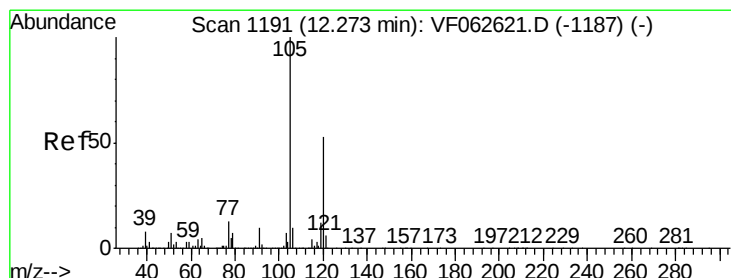
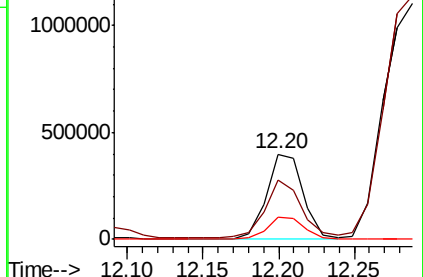
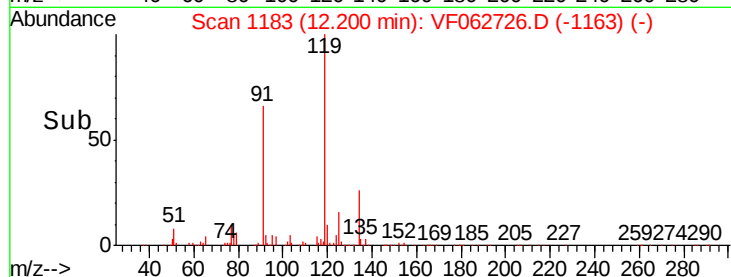
134 26.3 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 328.156 ug/l

RT: 12.29 min Scan# 1192

Delta R.T. 0.02 min

Lab File: VF062726.D

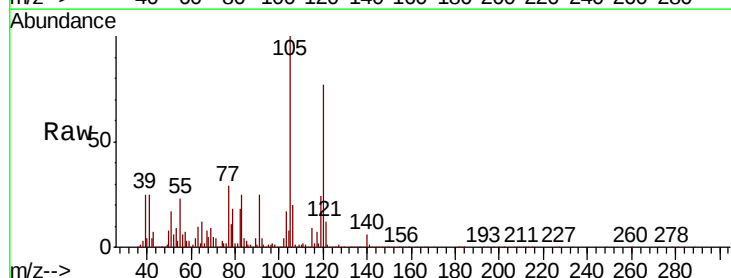
Acq: 23 May 2019 14:56

Tgt Ion:105 Resp:10723432

Ion Ratio Lower Upper

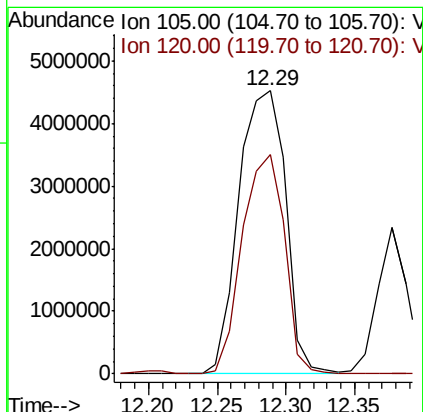
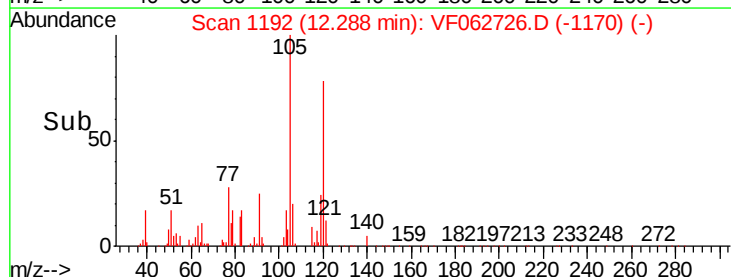
105 100

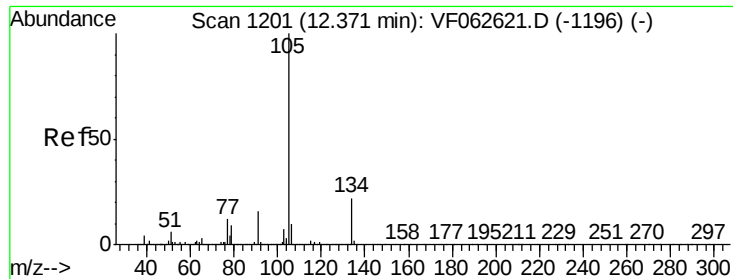
120 77.4 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

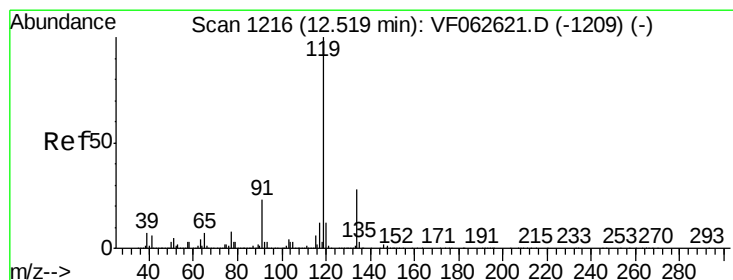
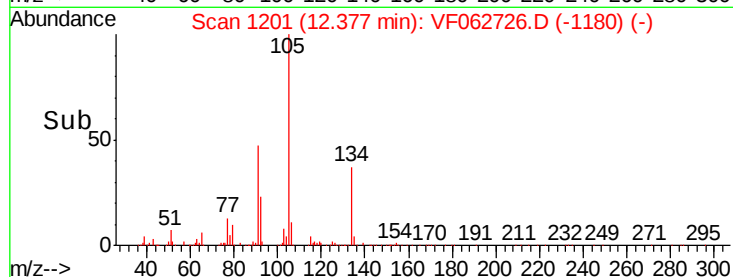
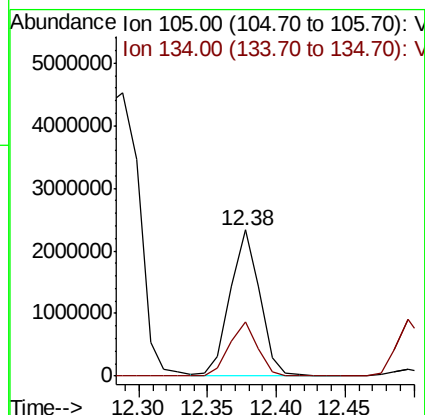
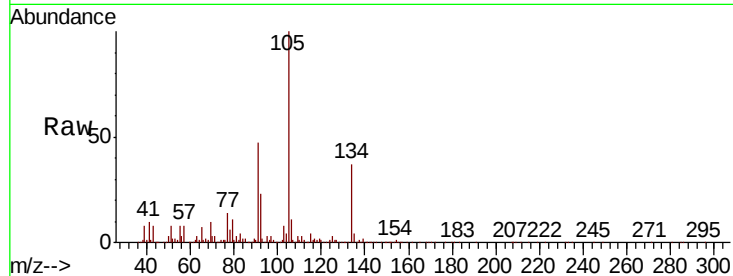




#85
 sec-Butylbenzene
 Concen: 75.252 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062726.D
 Acq: 23 May 2019 14:56

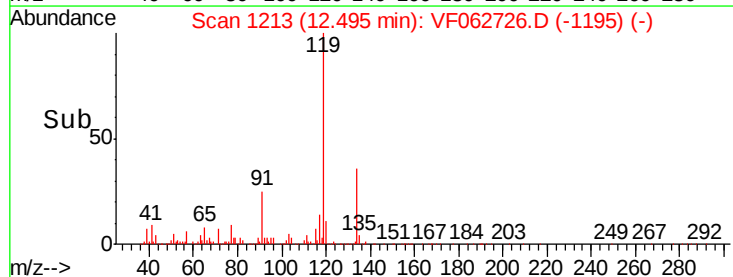
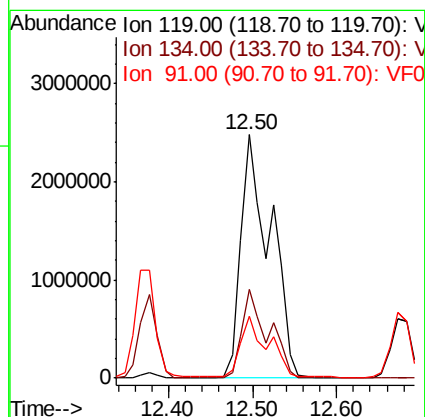
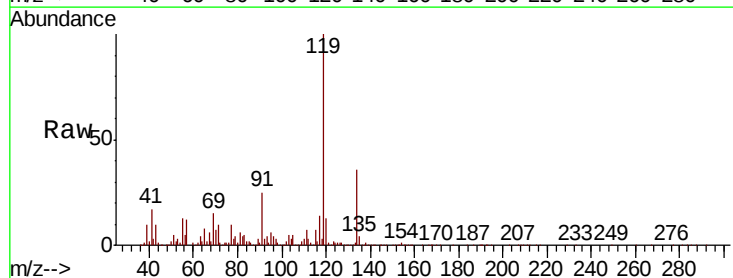
Instrument :
 MSVOA_F
 ClientSampleId :

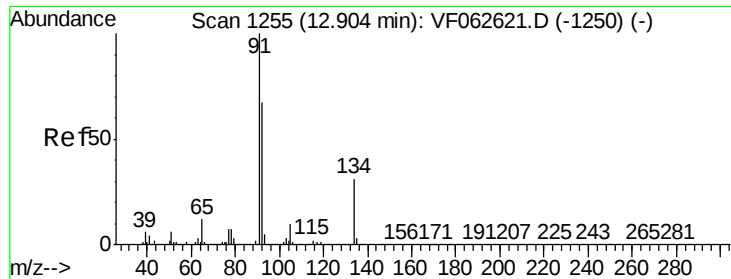
Tot Ion:105 Resp: 3459299
 Ion Ratio Lower Upper
 105 100
 134 36.8 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 157.637 ug/l
 RT: 12.50 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: VF062726.D
 Acq: 23 May 2019 14:56

Tgt Ion:119 Resp: 6107026
 Ion Ratio Lower Upper
 119 100
 134 36.3 14.1 42.3
 91 25.4 11.4 34.2

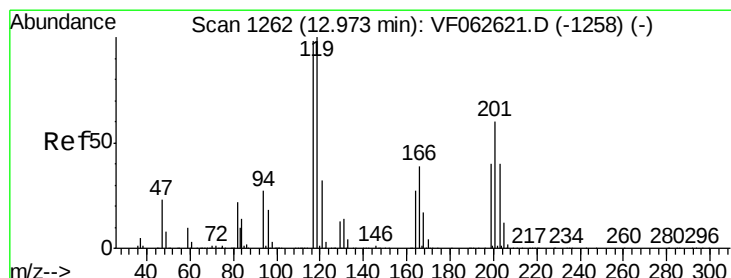
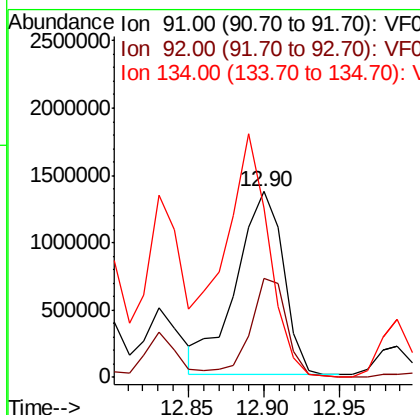
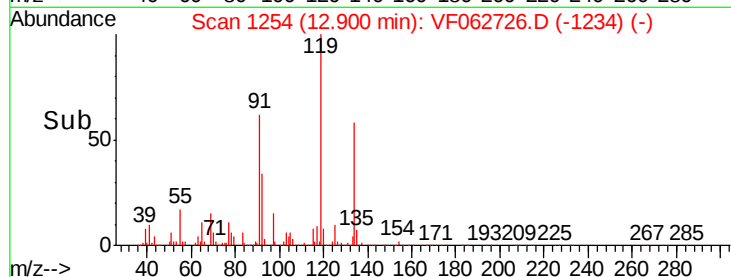
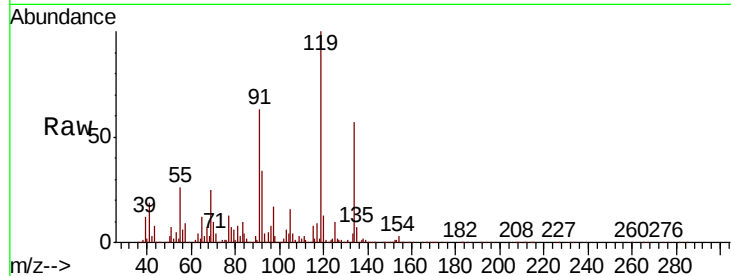




#89
n-Butylbenzene
Concen: 77.521 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

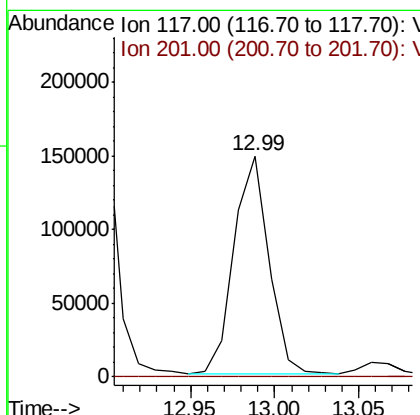
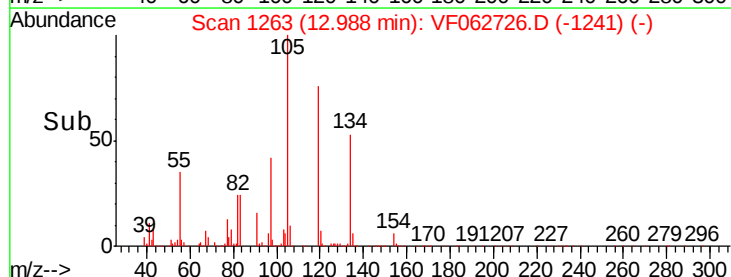
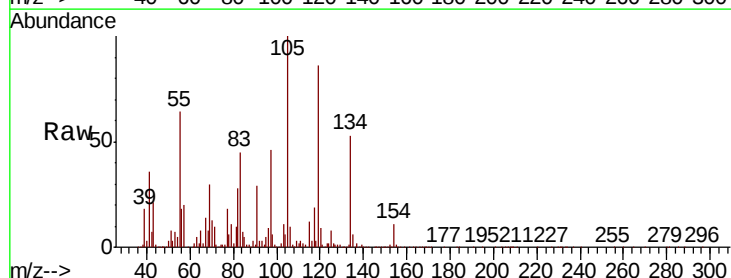
Instrument :
MSVOA_F
ClientSampleId :

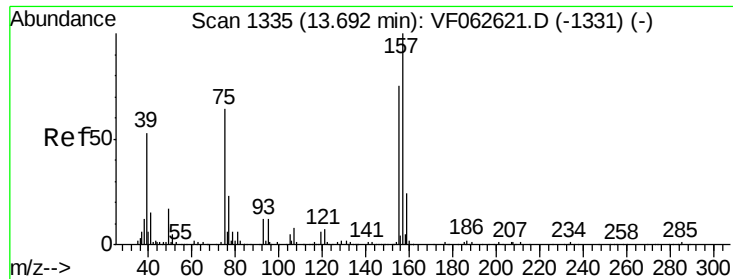
Tot Ion: 91 Resp: 2961069
Ion Ratio Lower Upper
91 100
92 53.3 33.3 99.8
134 91.2 15.4 46.4#



#90
Hexachloroethane
Concen: 22.928 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062726.D
Acq: 23 May 2019 14:56

Tgt Ion: 117 Resp: 213083
Ion Ratio Lower Upper
117 100
201 0.1 30.7 92.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 12.150 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

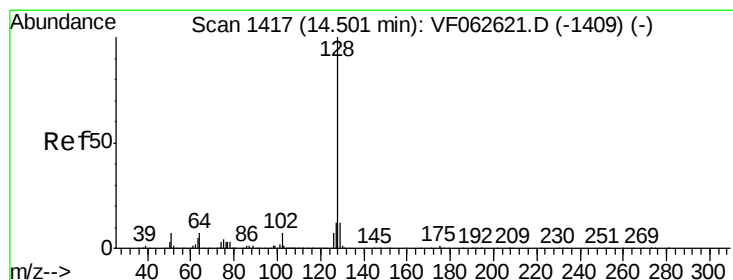
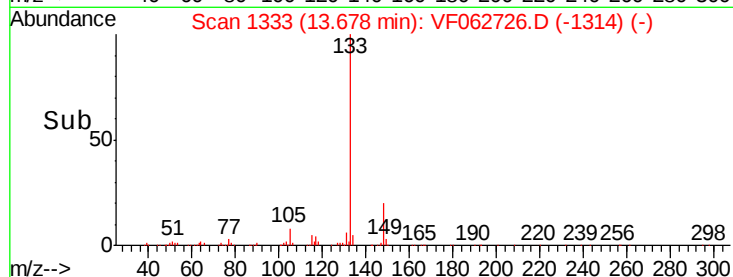
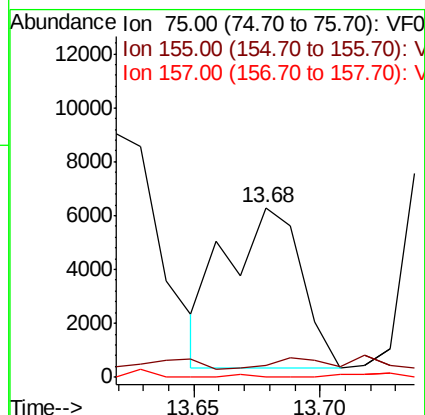
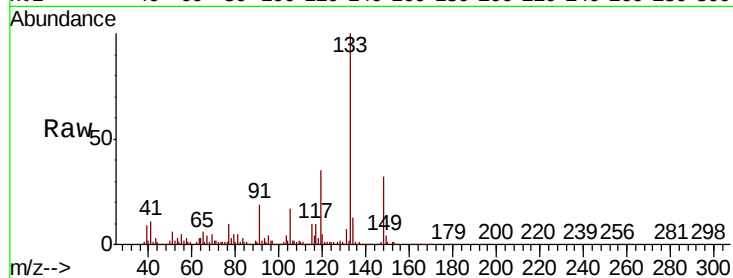
Tot Ion: 75 Resp: 12472

Ion Ratio Lower Upper

75 100

155 6.8 58.1 174.3#

157 0.0 77.8 233.4#



#95

Naphthalene

Concen: 22.641 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062726.D

Acq: 23 May 2019 14:56

Tgt Ion:128 Resp: 496950

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

129 13.0 9.3 13.9

