

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062821.D
 Acq On : 3 Jun 2019 10:56
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 04 08:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	860797	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1386449	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	1134751	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	587485	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	299179	50.26	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.52%	
35) Dibromofluoromethane	4.31	113	569025	54.31	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	108.62%	
50) Toluene-d8	7.71	98	1513420	57.12	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	114.24%	
62) 4-Bromofluorobenzene	11.49	95	532620	55.89	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	474314	48.576	ug/l	93
3) Chloromethane	1.14	50	415880	46.693	ug/l	96
4) Vinyl Chloride	1.19	62	399631	45.151	ug/l	99
5) Bromomethane	1.40	94	239906	47.528	ug/l	99
6) Chloroethane	1.45	64	138998	42.003	ug/l	95
7) Trichlorofluoromethane	1.56	101	597140	47.657	ug/l	84
8) Diethyl Ether	1.72	74	123445	50.075	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	355786	45.164	ug/l	98
10) Methyl Iodide	1.98	142	751782	47.596	ug/l	98
11) Tert butyl alcohol	2.70	59	86097	238.764	ug/l	97
12) 1,1-Dichloroethene	1.87	96	322555	45.092	ug/l	88
13) Acrolein	2.10	56	36703	254.947	ug/l	91
14) Allyl chloride	2.20	41	287423	51.793	ug/l	96
15) Acrylonitrile	3.10	53	218875	161.536	ug/l #	95
16) Acetone	2.35	43	389185	285.664	ug/l	99
17) Carbon Disulfide	1.92	76	944457	45.174	ug/l	99
18) Methyl Acetate	2.46	43	97666	41.023	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	607140	46.848	ug/l	98
20) Methylene Chloride	2.34	84	220750	31.236	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	352098	49.092	ug/l	96
22) Diisopropyl ether	2.94	45	745669	47.294	ug/l	93
23) Vinyl Acetate	3.35	43	2637838	244.383	ug/l	97
24) 1,1-Dichloroethane	3.02	63	521774	44.323	ug/l	99
25) 2-Butanone	4.52	43	795295	250.669	ug/l	98
26) 2,2-Dichloropropane	3.78	77	371297	55.549	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	613066	50.851	ug/l	97
28) Bromochloromethane	3.90	49	327809	51.193	ug/l #	70
29) Tetrahydrofuran	4.27	42	287327	236.782	ug/l	95
30) Chloroform	4.05	83	871499	52.528	ug/l	96
31) Cyclohexane	3.88	56	793877	49.812	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	574100	59.432	ug/l	95
36) 1,1-Dichloropropene	4.48	75	712022	55.786	ug/l	97
37) Ethyl Acetate	4.31	43	255028	52.270	ug/l	96
38) Carbon Tetrachloride	4.19	117	488930	56.680	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	901273	56.736	ug/l	96
40) Benzene	4.83	78	1954123	52.606	ug/l	98
41) Methacrylonitrile	4.94	41	131789	48.588	ug/l #	94
42) 1,2-Dichloroethane	5.14	62	366866	51.927	ug/l	94
43) Isopropyl Acetate	7.12	43	338318	52.491	ug/l #	97
44) Trichloroethene	5.69	130	567831	54.164	ug/l	96
45) 1,2-Dichloropropane	6.41	63	494641	53.063	ug/l	98
46) Dibromomethane	6.27	93	292351	53.717	ug/l	97
47) Bromodichloromethane	6.56	83	576419	52.005	ug/l	96
48) Methyl methacrylate	6.88	41	175968	52.976	ug/l	93
49) 1,4-Dioxane	6.87	88	51544	1177.254	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	1253007	272.302	ug/l	99
52) Toluene	7.78	92	1172160	58.586	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	530371	57.745	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	714346	53.731	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	336041	56.220	ug/l	99
56) Ethyl methacrylate	8.75	69	381193	59.437	ug/l	94
57) 1,3-Dichloropropane	9.00	76	539202	55.241	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	528167	235.641	ug/l	92
59) 2-Hexanone	9.62	43	925752	282.256	ug/l	99
60) Dibromochloromethane	8.86	129	433953	58.641	ug/l	96
61) 1,2-Dibromoethane	9.13	107	350758	56.504	ug/l	97
64) Tetrachloroethene	8.31	164	442289	50.722	ug/l	95
65) Chlorobenzene	9.94	112	1184545	54.055	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	451949	51.785	ug/l	97
67) Ethyl Benzene	10.03	91	1970863	52.410	ug/l	97
68) m/p-Xylenes	10.26	106	1461062	101.533	ug/l	97
69) o-Xylene	10.81	106	782501	53.708	ug/l	99
70) Styrene	10.89	104	1136855	52.940	ug/l	100
71) Bromoform	10.88	173	229265	54.761	ug/l #	92
73) Isopropylbenzene	11.22	105	1971902	48.104	ug/l	100
74) N-amyl acetate	11.44	43	519132	44.933	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	397223	45.376	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	254205	43.808	ug/l	92
77) Bromobenzene	11.58	156	485676	47.154	ug/l	96
78) n-propylbenzene	11.67	91	2244191	45.341	ug/l	98
79) 2-Chlorotoluene	11.80	91	1322430	46.694	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1538202	45.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	156979	63.899	ug/l	97
82) 4-Chlorotoluene	11.98	91	1308935	47.029	ug/l	98
83) tert-Butylbenzene	12.19	119	1648174	49.618	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1612051	50.718	ug/l	96
85) sec-Butylbenzene	12.37	105	2133058	48.733	ug/l	94
86) p-Isopropyltoluene	12.52	119	1882959	51.684	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	952717	52.449	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	883471	52.116	ug/l	97
89) n-Butylbenzene	12.89	91	1836204	50.104	ug/l	97
90) Hexachloroethane	12.97	117	474868	53.442	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	837378	52.448	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	50386	52.831	ug/l	81

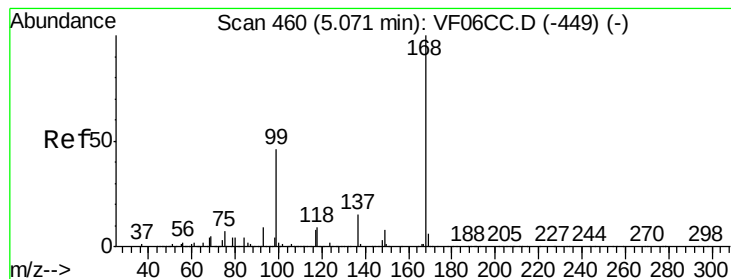
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	585978	53.454	ug/l	99
94) Hexachlorobutadiene	14.22	225	426904	56.292	ug/l	98
95) Naphthalene	14.49	128	981877	54.672	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	541099	54.074	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

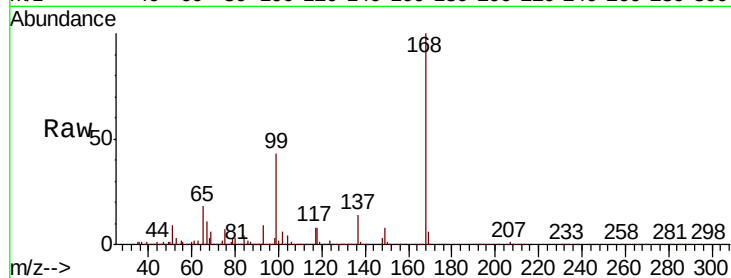
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 860797

Ion Ratio Lower Upper

168 100

99 42.8 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

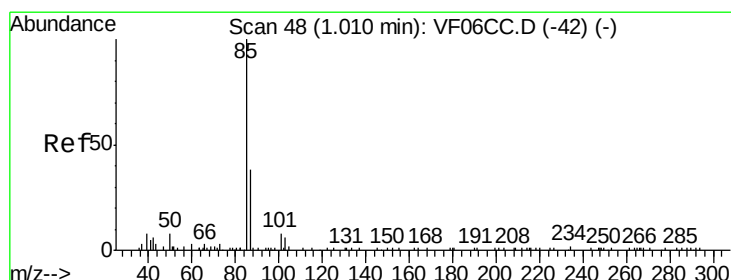
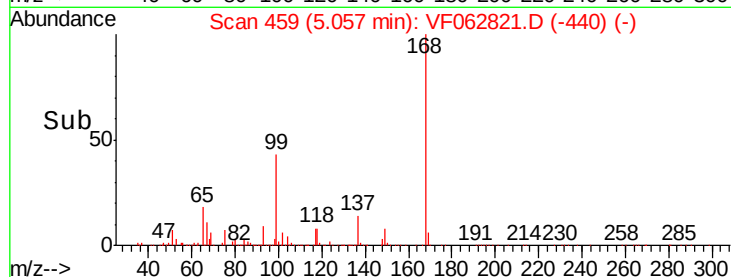
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.576 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062821.D

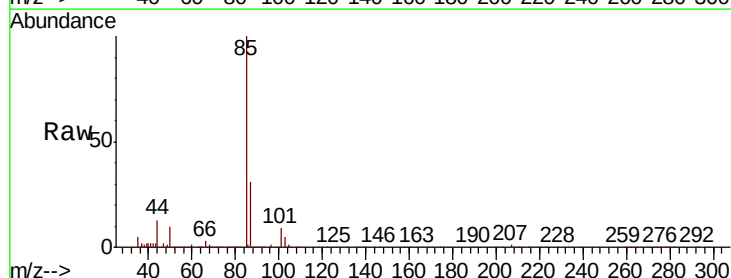
Acq: 3 Jun 2019 10:56

Tgt Ion: 85 Resp: 474314

Ion Ratio Lower Upper

85 100

87 31.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

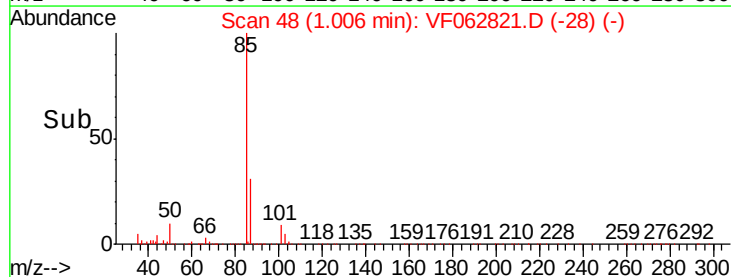
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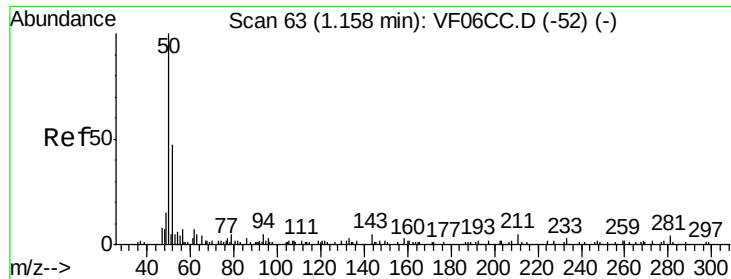
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Time-->

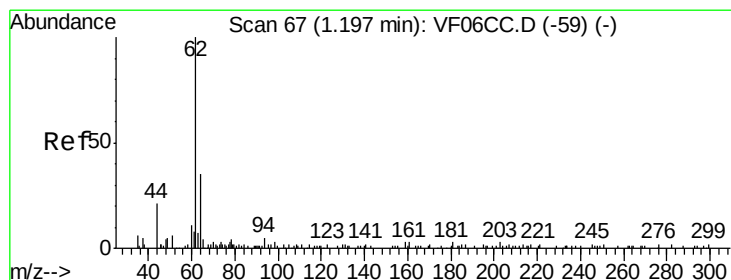
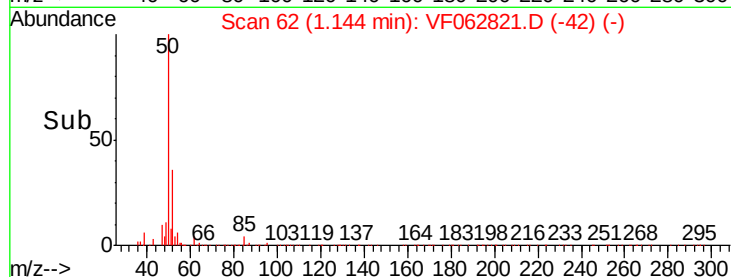
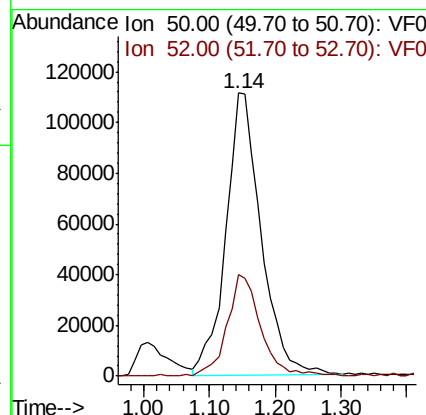
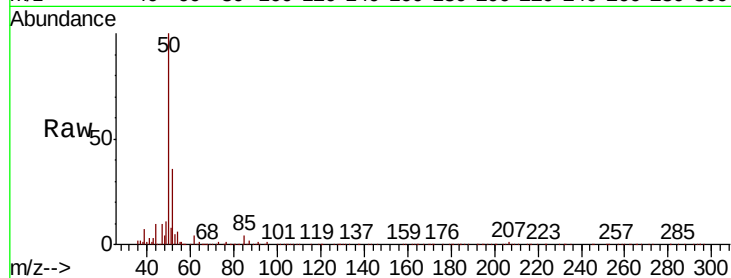




#3
Chloromethane
Concen: 46.693 ug/l
RT: 1.14 min Scan# 62
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

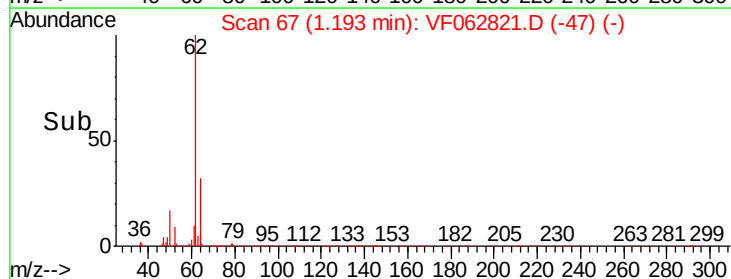
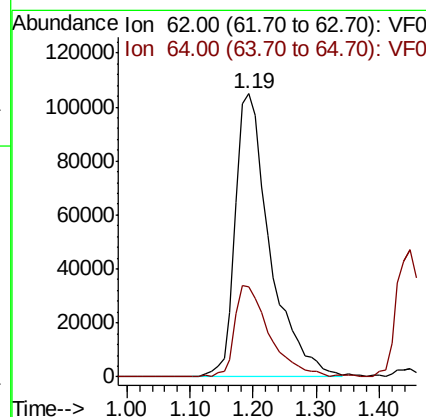
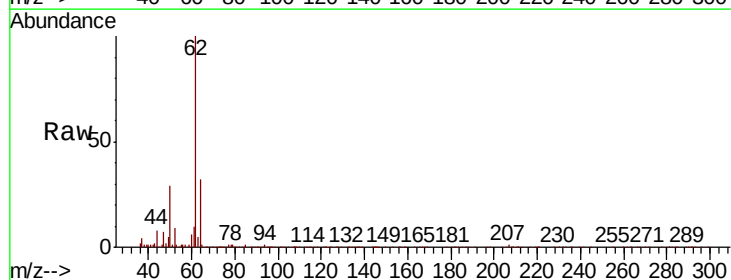
Instrument :
MSVOA_F
ClientSampleId :

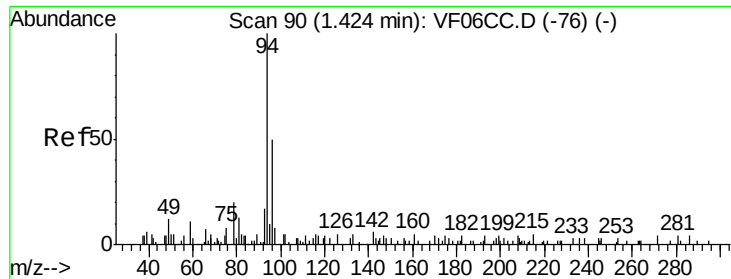
Tot Ion: 50 Resp: 415880
Ion Ratio Lower Upper
50 100
52 35.8 27.0 40.4



#4
Vinyl Chloride
Concen: 45.151 ug/l
RT: 1.19 min Scan# 67
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 62 Resp: 399631
Ion Ratio Lower Upper
62 100
64 31.9 26.2 39.2

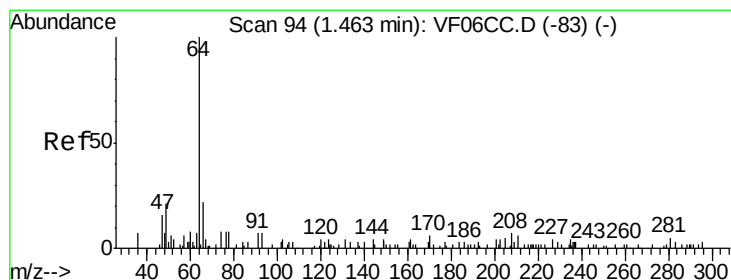
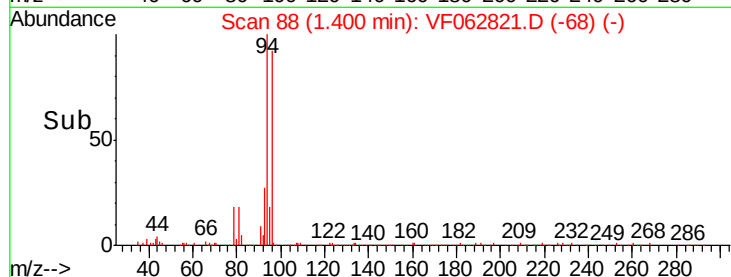
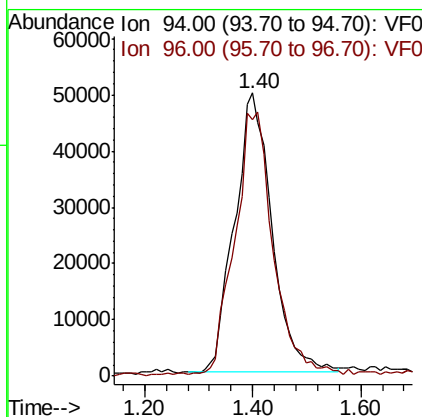
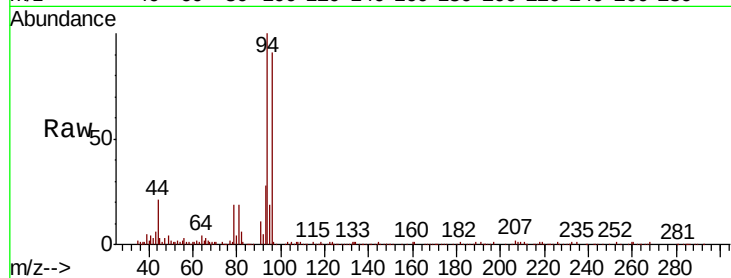




#5
 Bromomethane
 Concen: 47.528 ug/l
 RT: 1.40 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

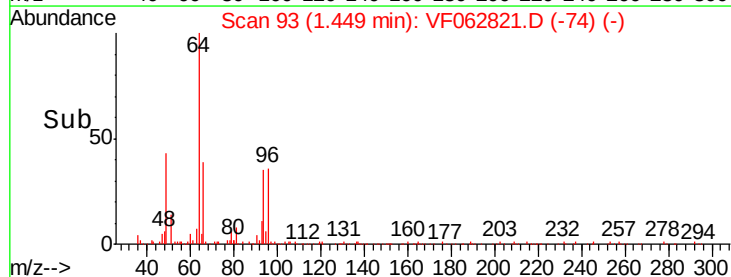
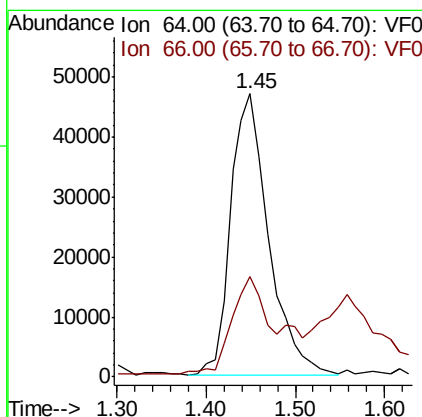
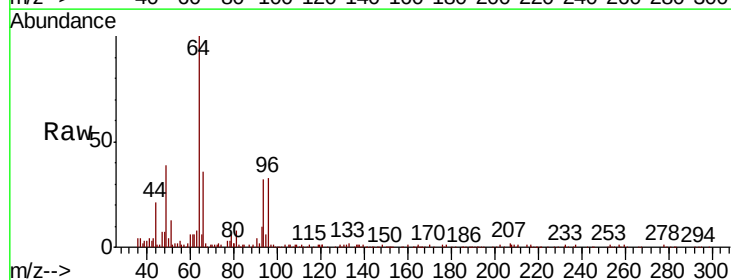
Instrument :
 MSVOA_F
 ClientSampled :

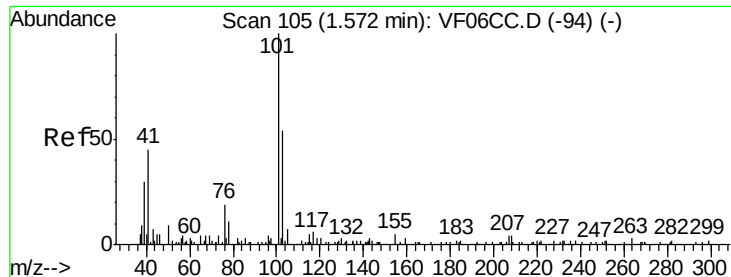
Tot Ion: 94 Resp: 239906
 Ion Ratio Lower Upper
 94 100
 96 90.8 73.8 110.6



#6
 Chloroethane
 Concen: 42.003 ug/l
 RT: 1.45 min Scan# 93
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion: 64 Resp: 138998
 Ion Ratio Lower Upper
 64 100
 66 35.5 31.0 46.4



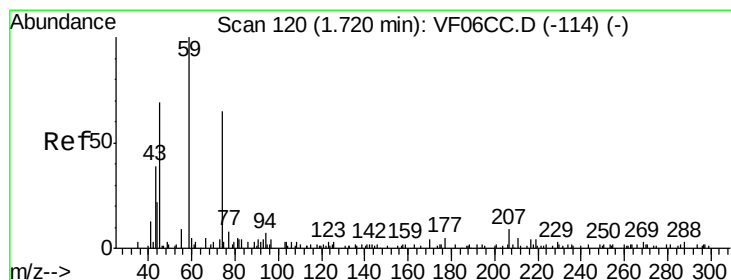
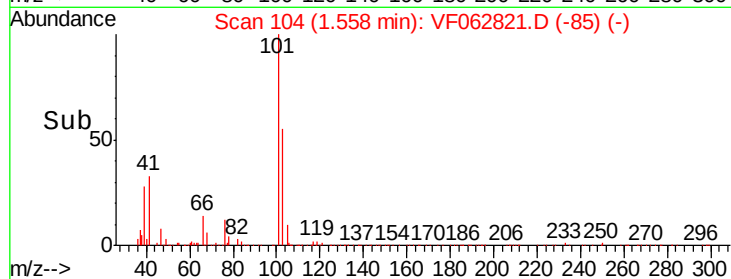
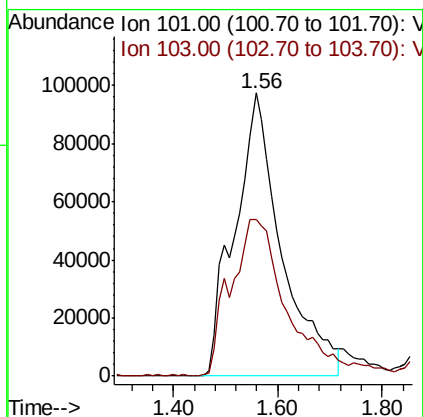
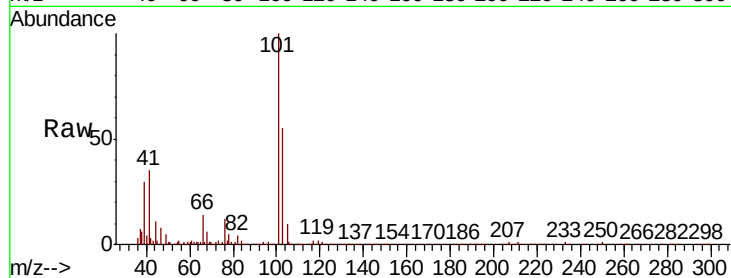


#7

Trichlorofluoromethane
Concen: 47.657 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
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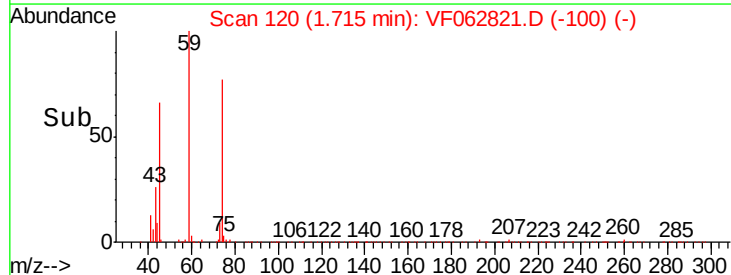
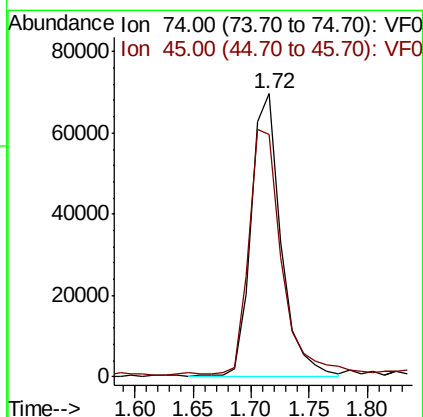
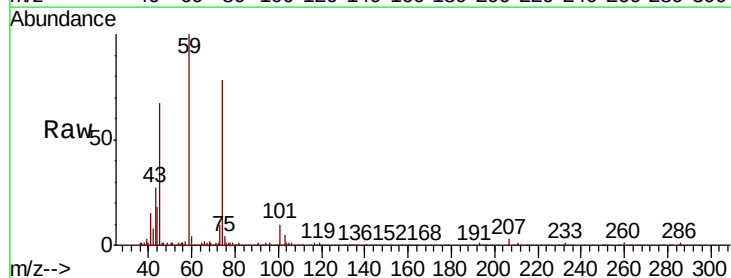
Tot Ion:101 Resp: 597140
Ion Ratio Lower Upper
101 100
103 55.4 54.6 82.0

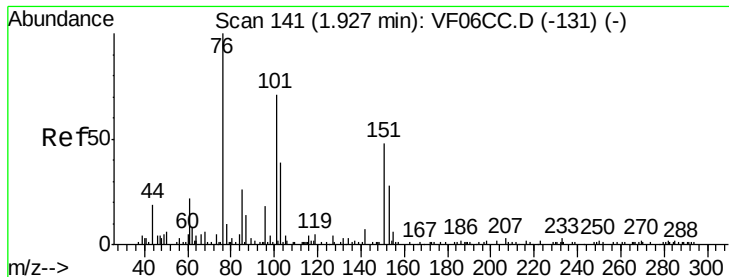


#8

Diethyl Ether
Concen: 50.075 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 74 Resp: 123445
Ion Ratio Lower Upper
74 100
45 85.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.164 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

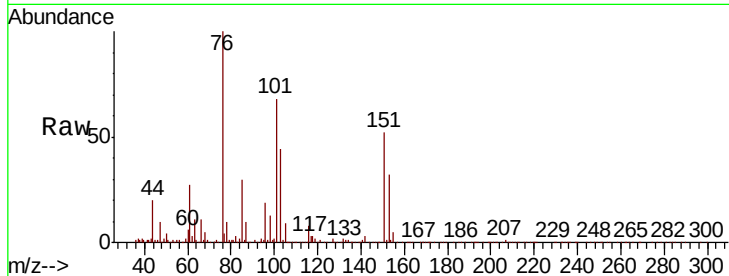
Tot Ion:101 Resp: 355786

Ion Ratio Lower Upper

101 100

85 43.4 37.1 55.7

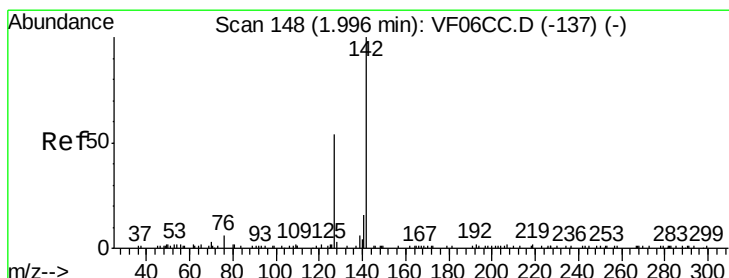
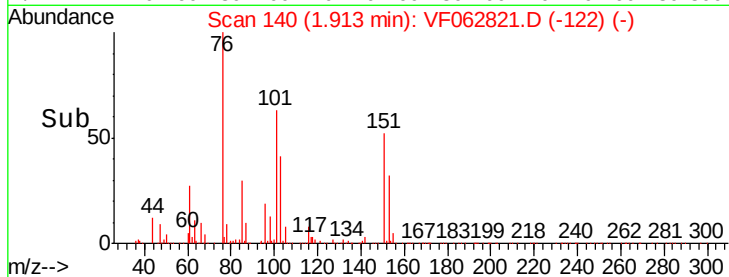
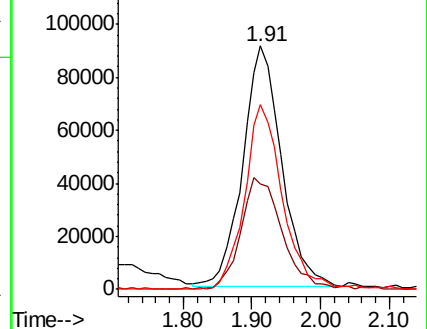
151 75.7 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.596 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

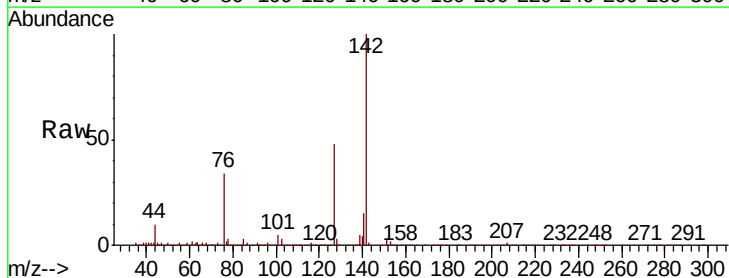
Tgt Ion:142 Resp: 751782

Ion Ratio Lower Upper

142 100

127 47.8 39.4 59.2

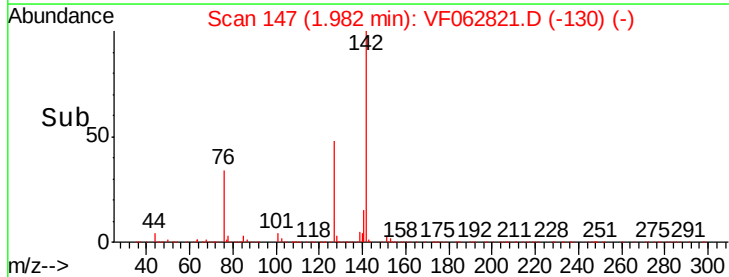
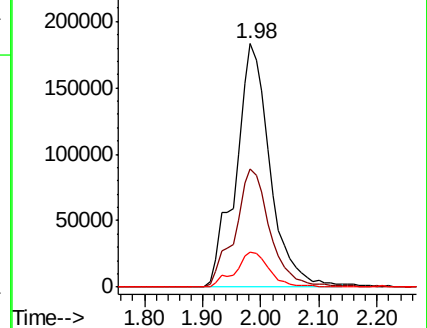
141 14.5 10.6 15.8

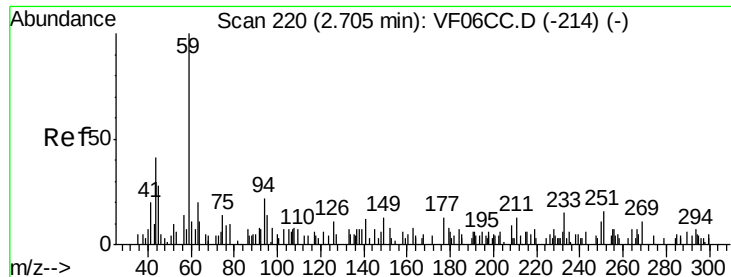


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



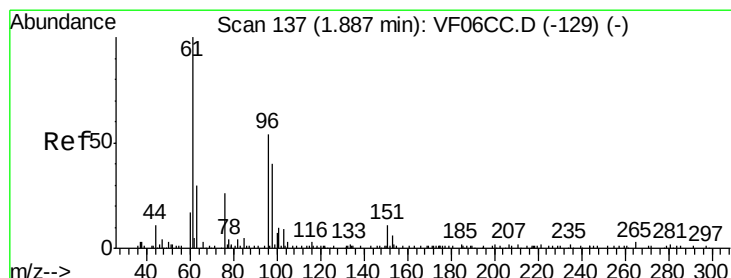
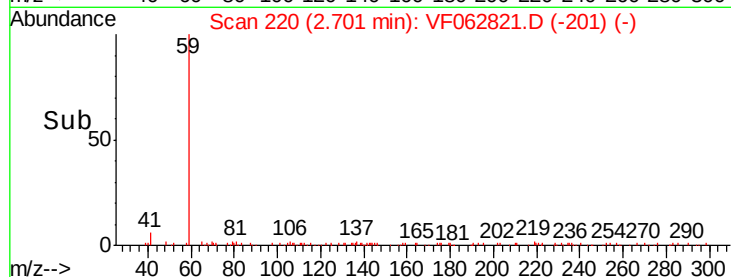
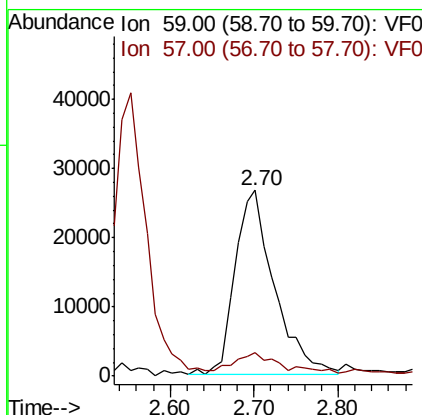
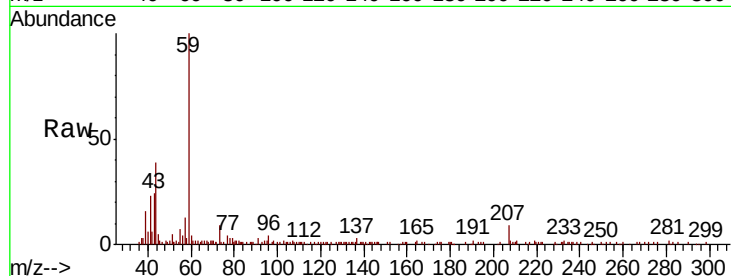


#11

Tert butyl alcohol
Concen: 238.764 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampled :

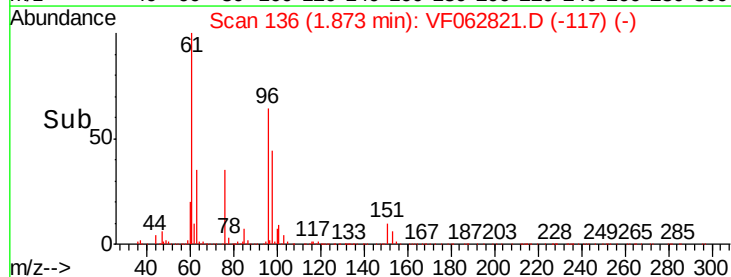
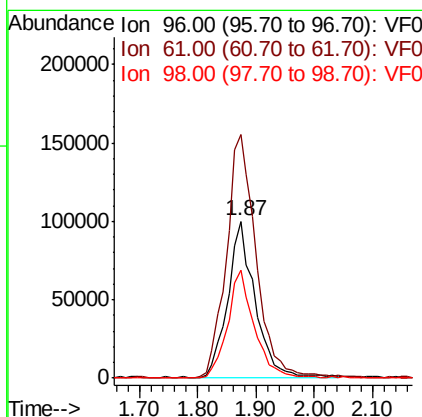
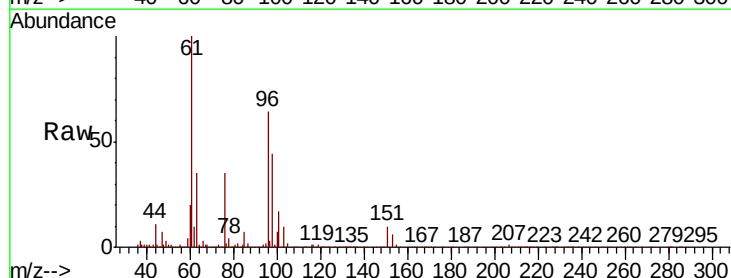
Tot Ion: 59 Resp: 86097
Ion Ratio Lower Upper
59 100
57 12.7 9.2 13.8

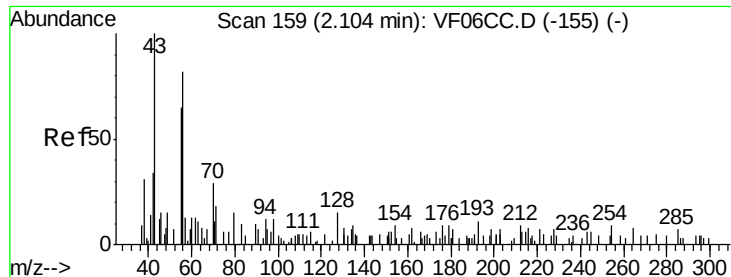


#12

1,1-Dichloroethene
Concen: 45.092 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 96 Resp: 322555
Ion Ratio Lower Upper
96 100
61 155.2 139.4 209.2
98 68.8 50.3 75.5





#13

Acrolein

Concen: 254.947 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

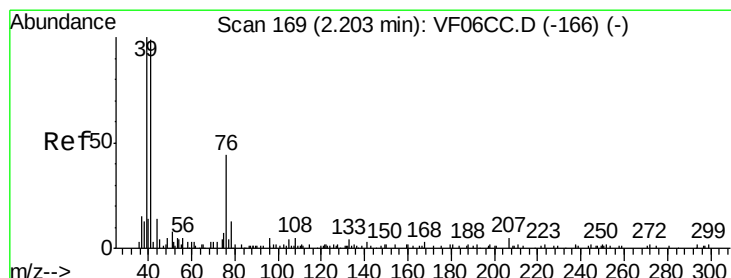
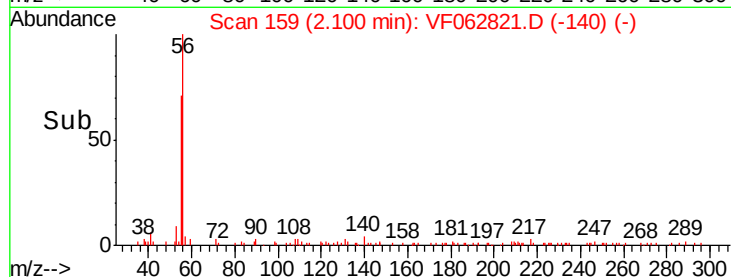
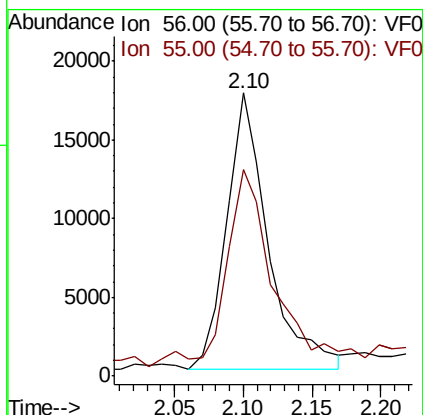
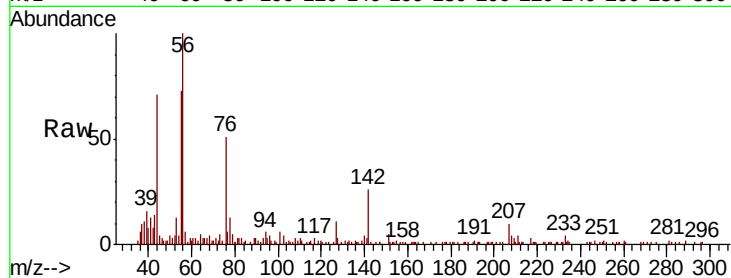
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 36703

Ion Ratio Lower Upper

56 100

55 72.9 52.9 79.3



#14

Allyl chloride

Concen: 51.793 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

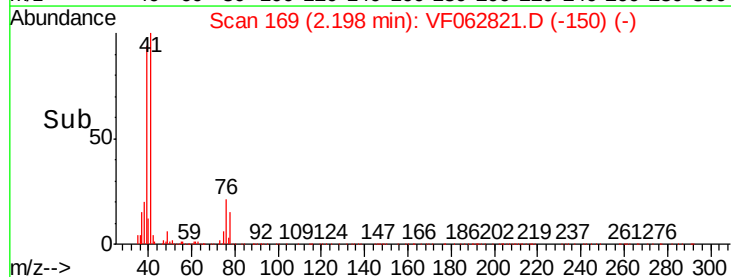
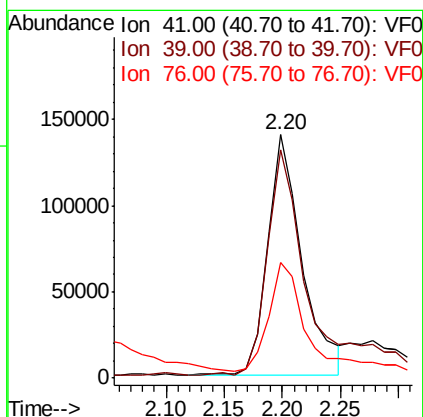
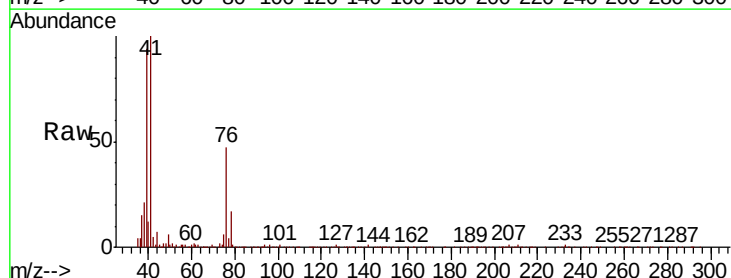
Tgt Ion: 41 Resp: 287423

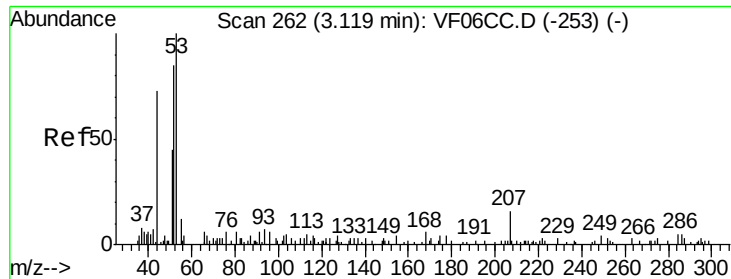
Ion Ratio Lower Upper

41 100

39 93.9 71.9 107.9

76 47.5 39.6 59.4





#15

Acrylonitrile

Concen: 161.536 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

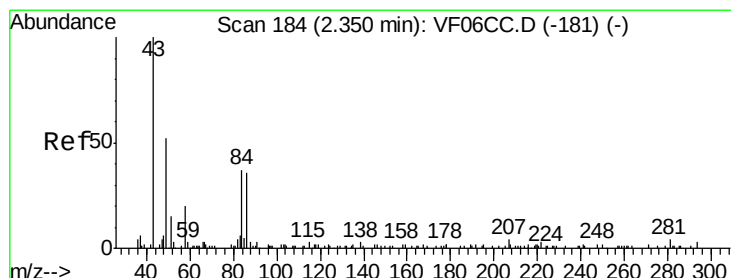
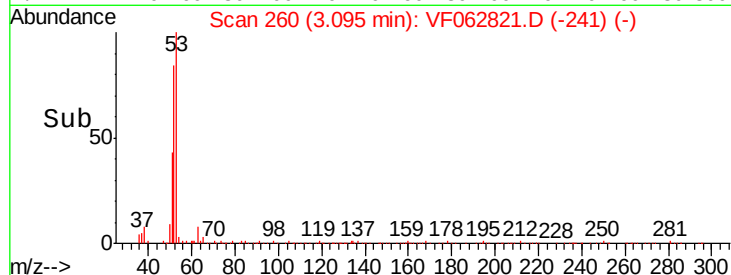
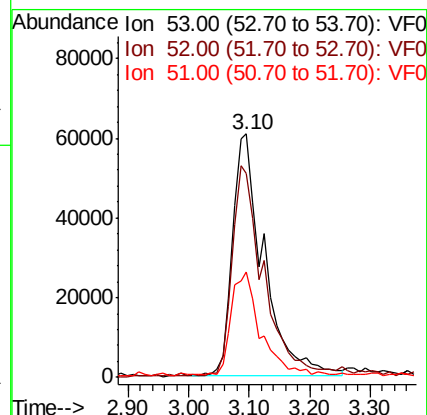
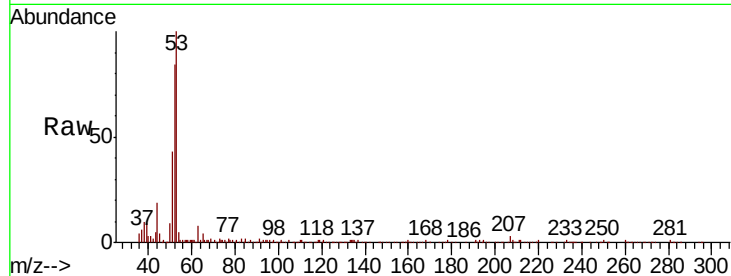
Tot Ion: 53 Resp: 218875

Ion Ratio Lower Upper

53 100

52 84.0 68.1 102.1

51 43.2 27.7 41.5#



#16

Acetone

Concen: 285.664 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.02 min

Lab File: VF062821.D

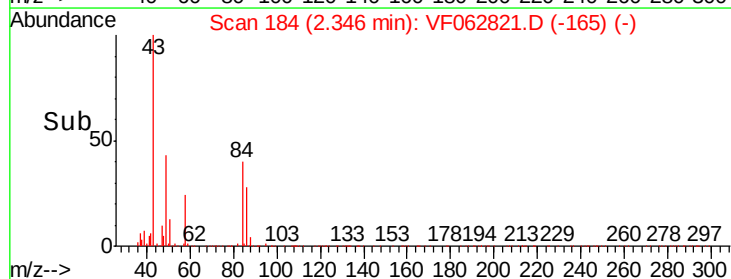
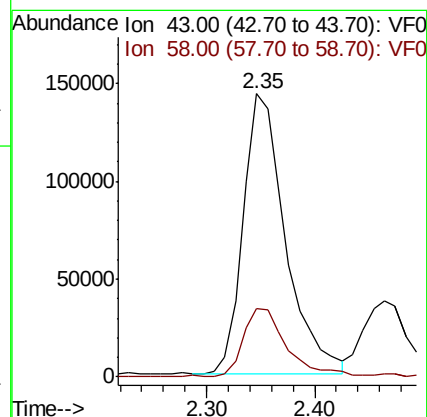
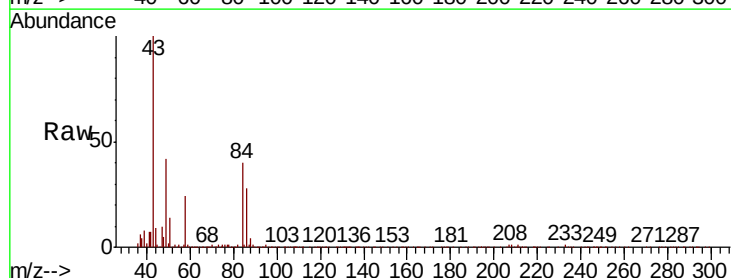
Acq: 3 Jun 2019 10:56

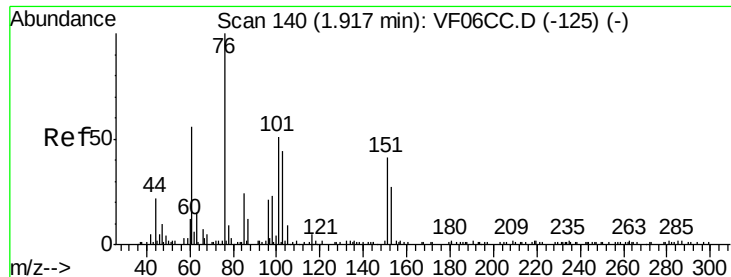
Tgt Ion: 43 Resp: 389185

Ion Ratio Lower Upper

43 100

58 24.3 19.0 28.4





#17

Carbon Disulfide

Concen: 45.174 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

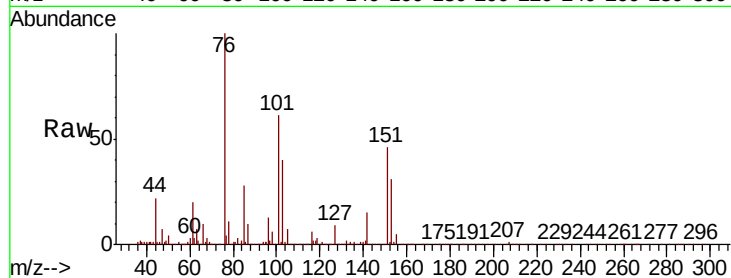
ClientSampleId :

Tot Ion: 76 Resp: 944457

Ion Ratio Lower Upper

76 100

78 11.4 9.4 14.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

150000

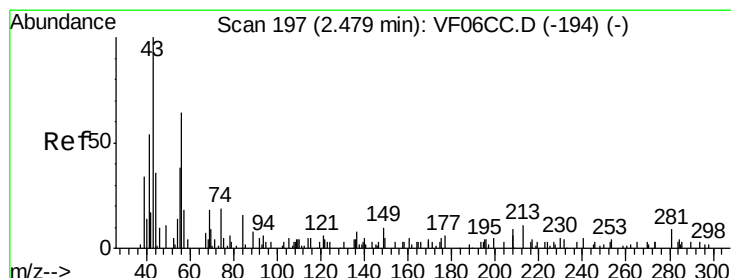
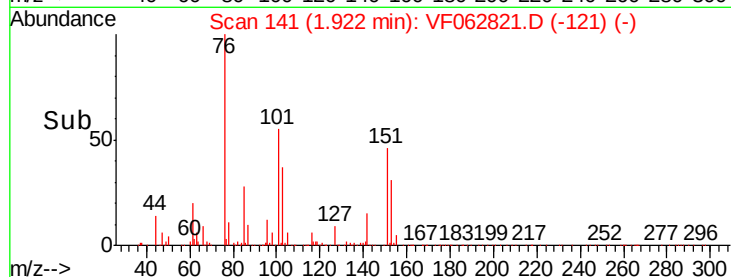
100000

50000

0

1.80 2.00

Time-->



#18

Methyl Acetate

Concen: 41.023 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062821.D

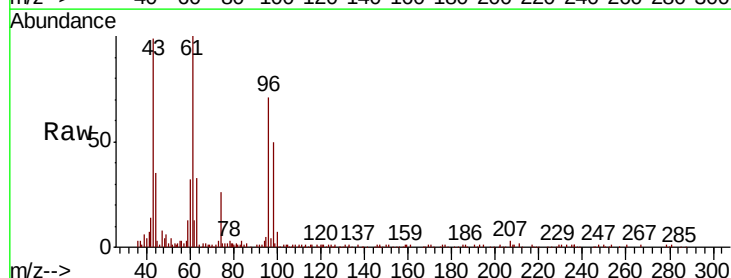
Acq: 3 Jun 2019 10:56

Tgt Ion: 43 Resp: 97666

Ion Ratio Lower Upper

43 100

74 26.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

60000

50000

40000

30000

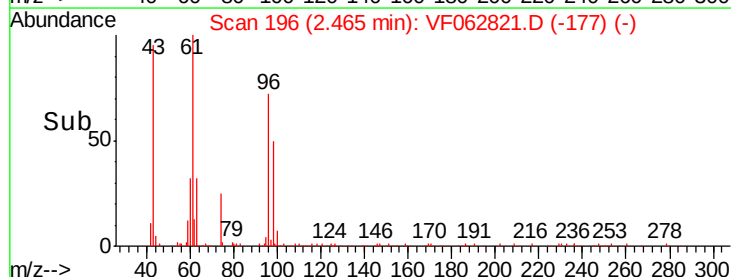
20000

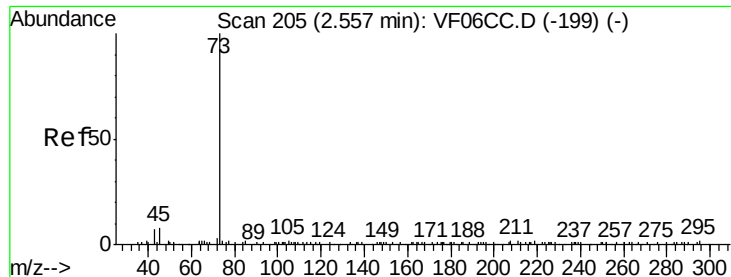
10000

0

2.40 2.45 2.50

Time-->

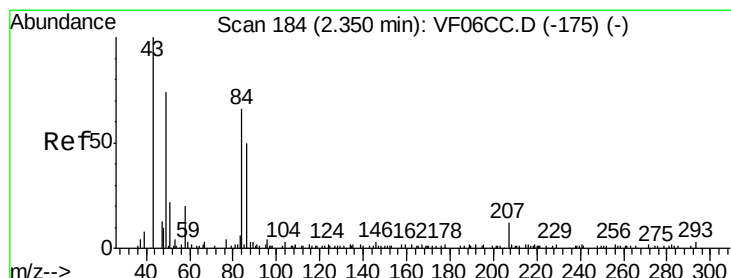
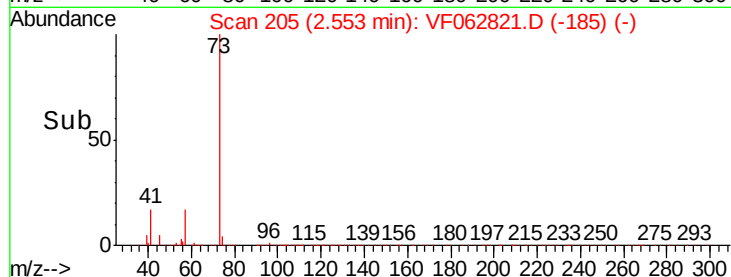
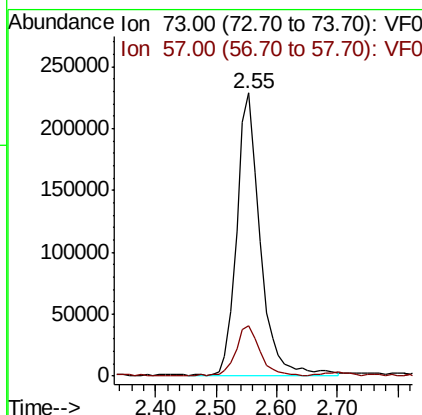
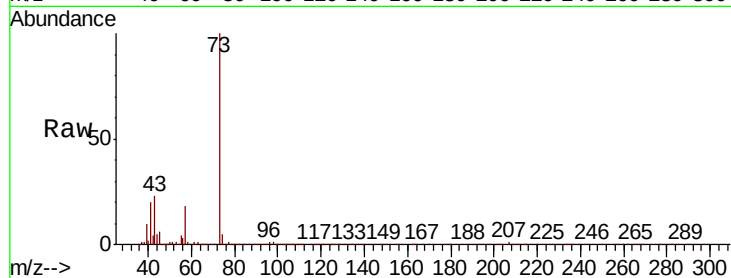




#19
Methyl tert-butyl Ether
Concen: 46.848 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

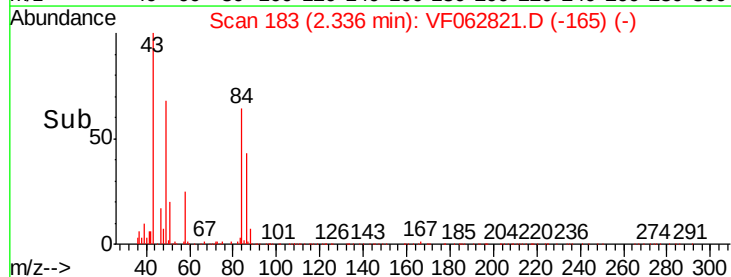
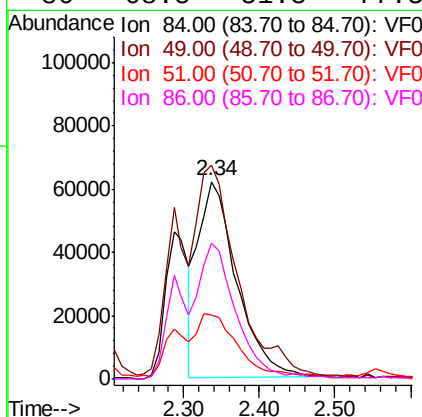
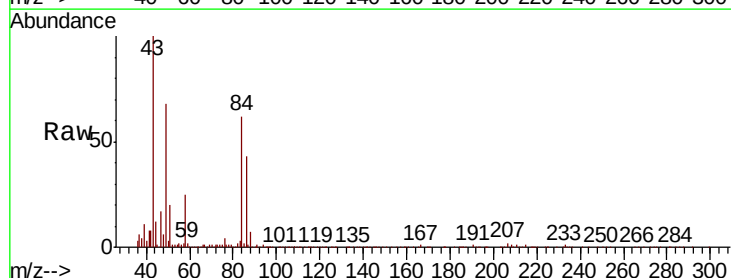
Instrument :
MSVOA_F
ClientSampled :

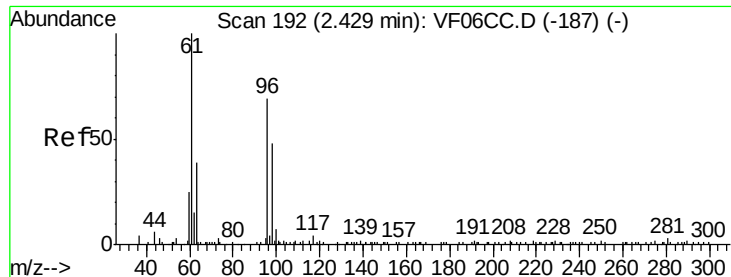
Tot Ion: 73 Resp: 607140
Ion Ratio Lower Upper
73 100
57 17.9 15.1 22.7



#20
Methylene Chloride
Concen: 31.236 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 84 Resp: 220750
Ion Ratio Lower Upper
84 100
49 108.2 82.6 123.8
51 32.2 25.0 37.4
86 68.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.092 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampled :

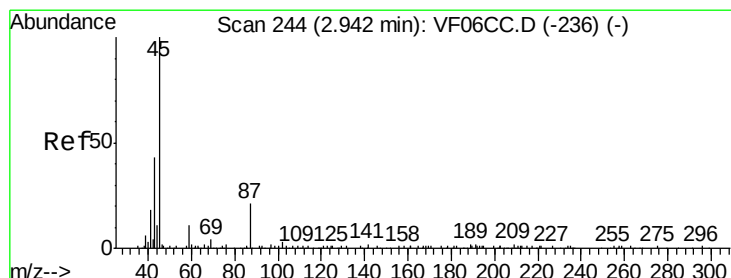
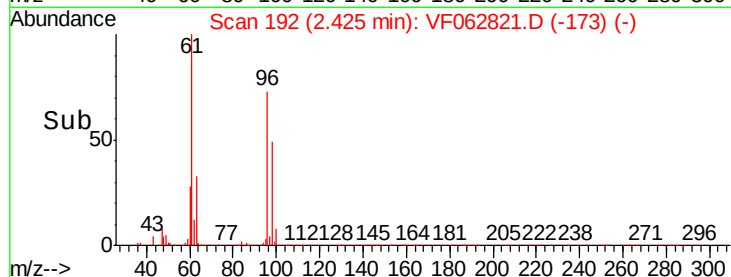
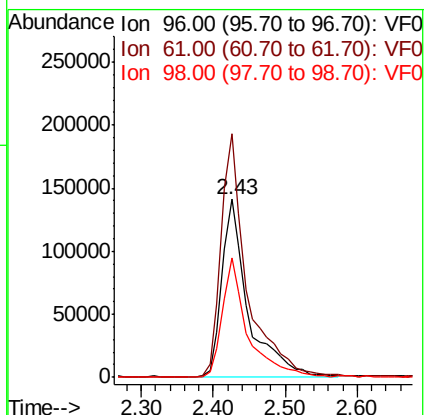
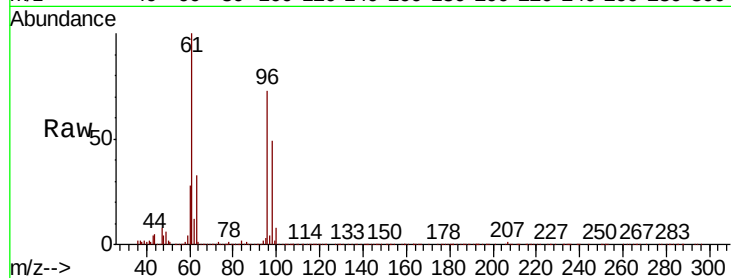
Tot Ion: 96 Resp: 352098

Ion Ratio Lower Upper

96 100

61 136.7 105.0 157.6

98 67.3 51.1 76.7



#22

Diisopropyl ether

Concen: 47.294 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion: 45 Resp: 745669

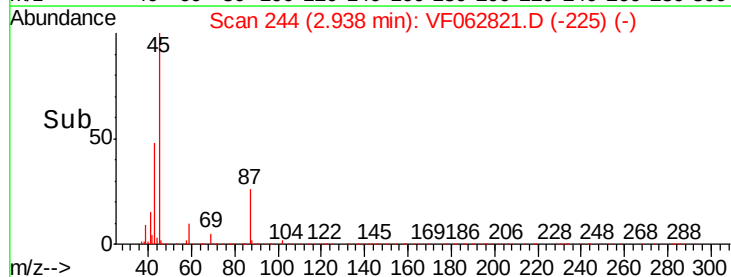
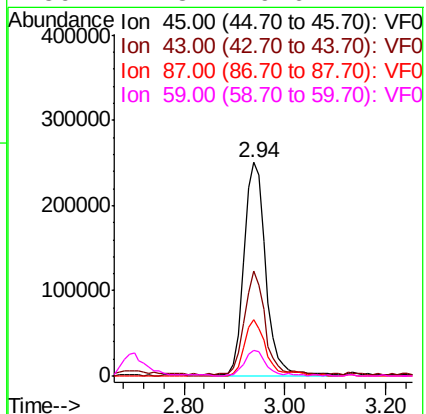
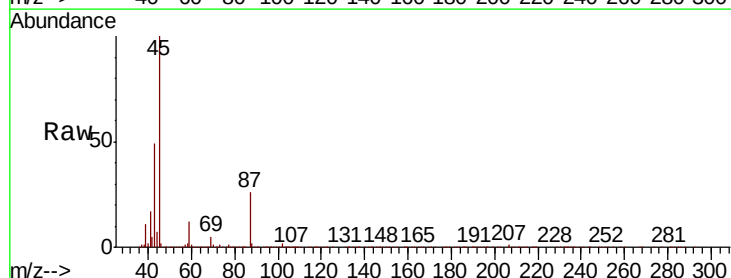
Ion Ratio Lower Upper

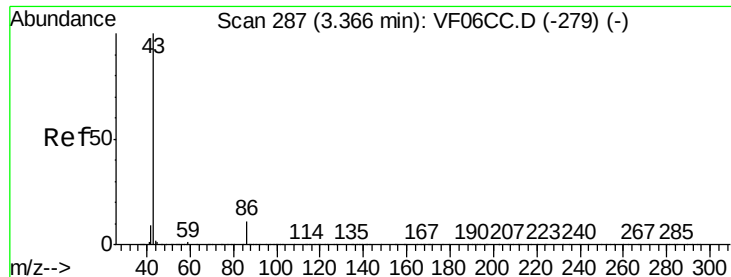
45 100

43 48.9 34.3 51.5

87 26.2 19.0 28.4

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 244.383 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

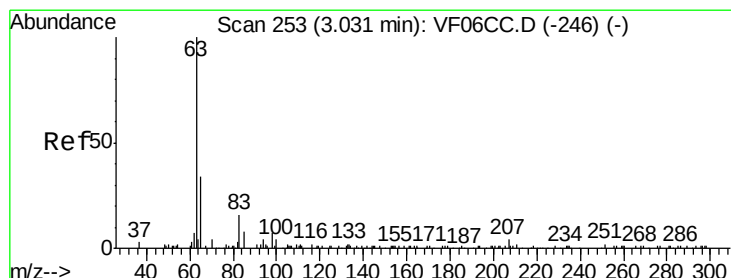
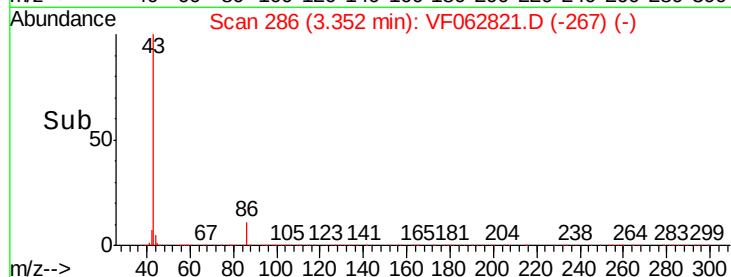
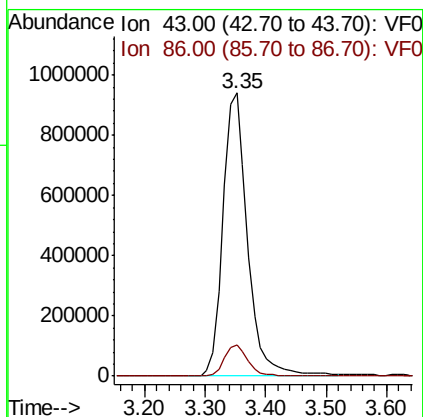
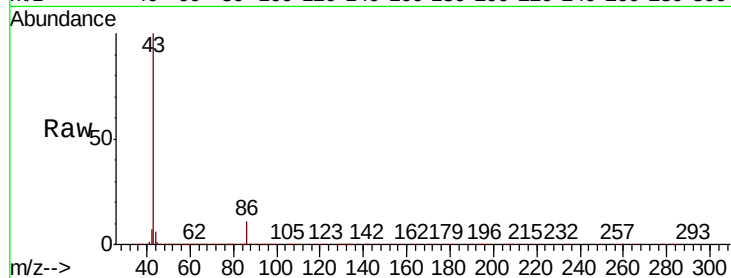
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2637838

Ion Ratio Lower Upper

43 100

86 11.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 44.323 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

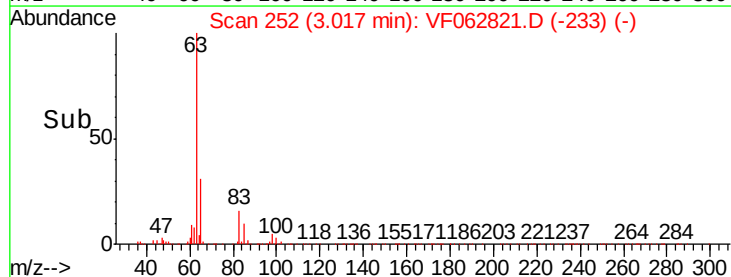
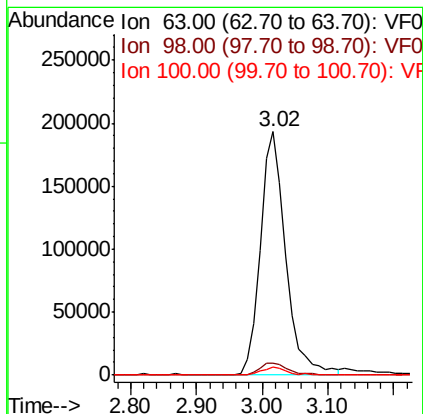
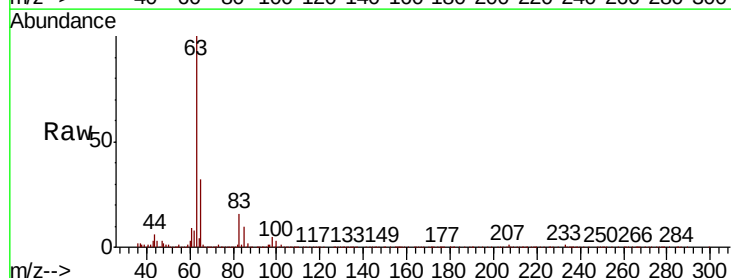
Tgt Ion: 63 Resp: 521774

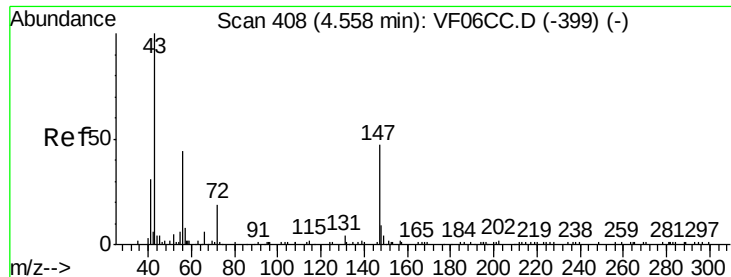
Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.1

100 3.2 1.5 4.5

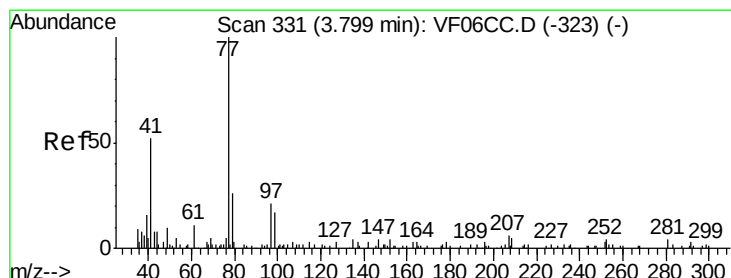
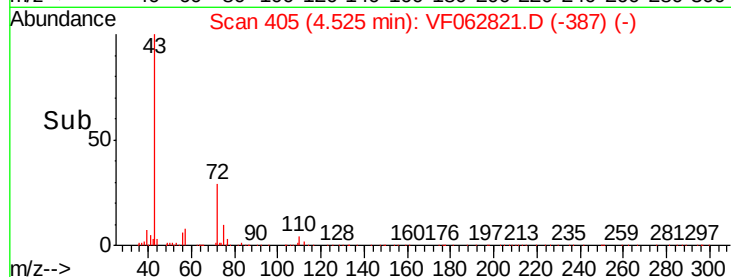
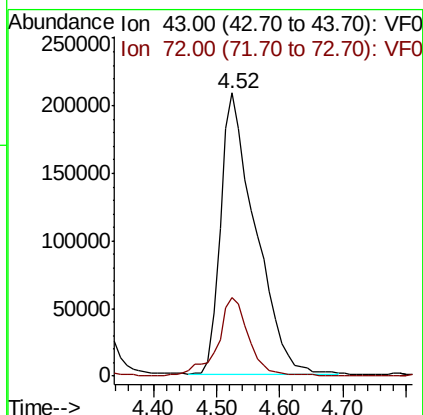
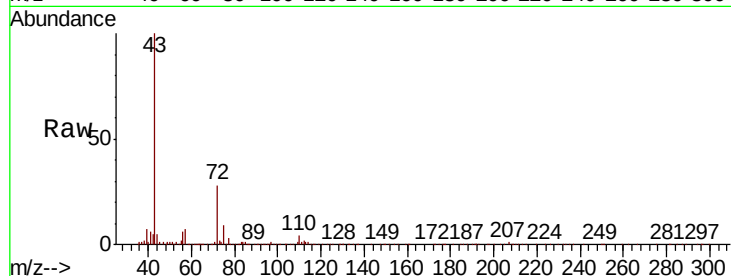




#25
2-Butanone
Concen: 250.669 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

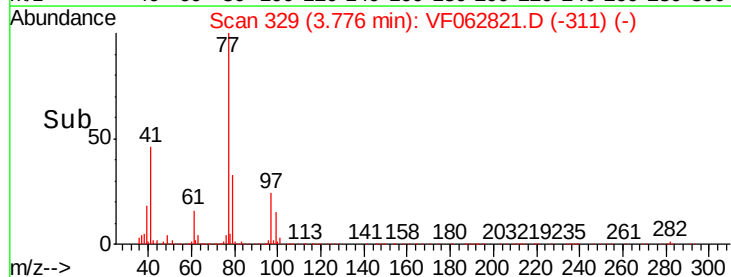
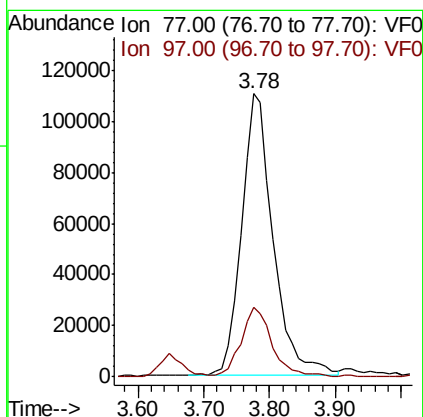
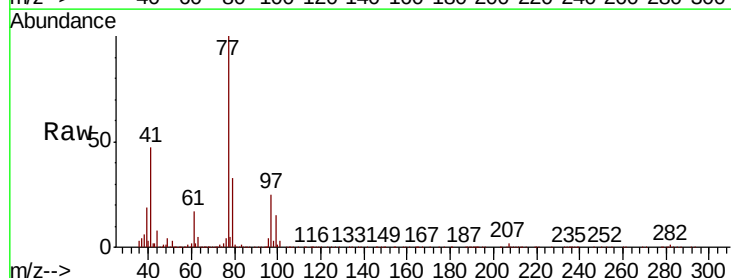
Instrument :
MSVOA_F
ClientSampleId :

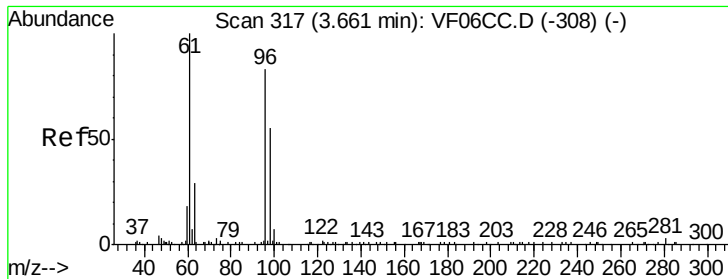
Tot Ion: 43 Resp: 795295
Ion Ratio Lower Upper
43 100
72 27.6 21.4 32.0



#26
2,2-Dichloropropane
Concen: 55.549 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 77 Resp: 371297
Ion Ratio Lower Upper
77 100
97 24.7 12.4 37.4



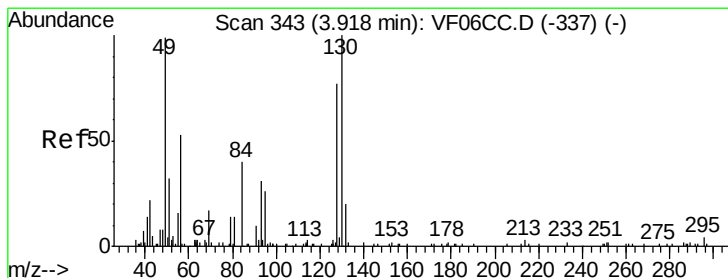
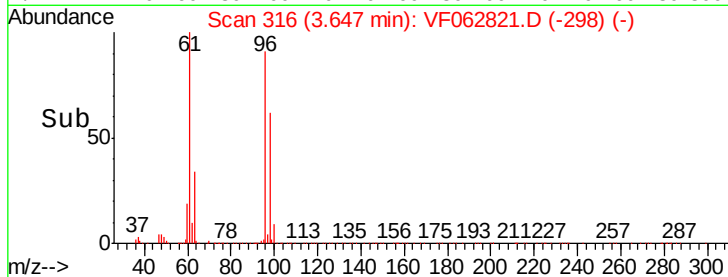
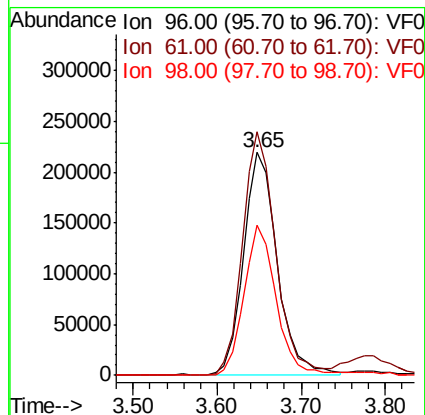
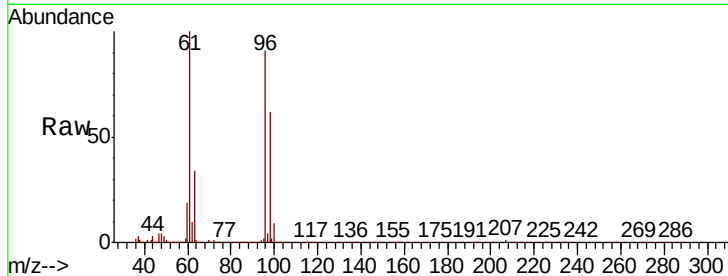


#27

cis-1,2-Dichloroethene
Concen: 50.851 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :

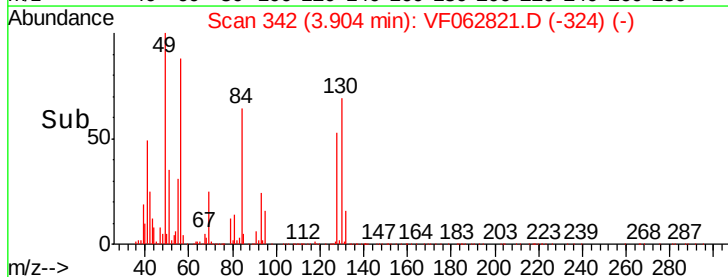
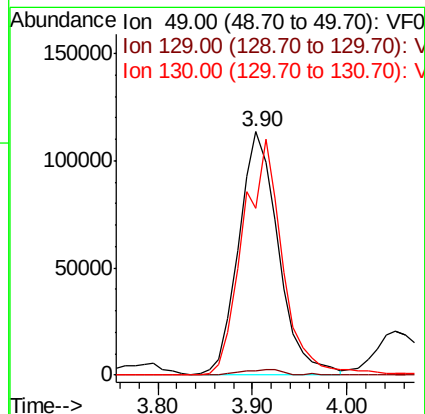
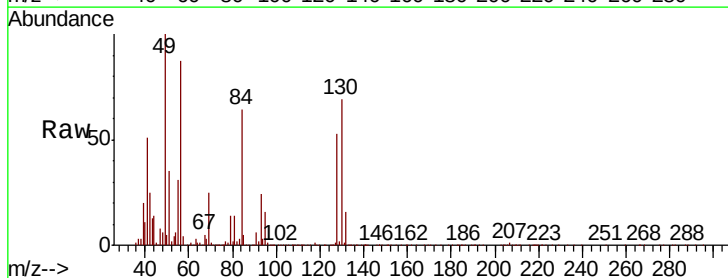
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.4	0.0	213.8
98	67.6	0.0	127.0

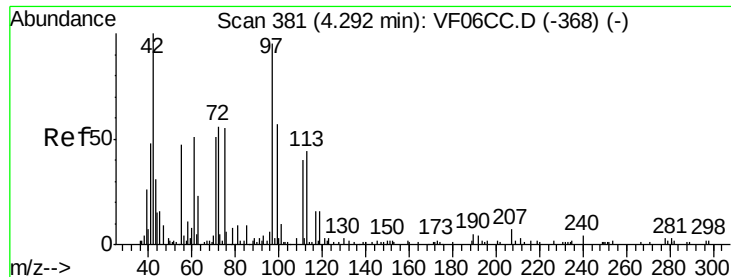


#28

Bromochloromethane
Concen: 51.193 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	68.7	79.2	118.8#

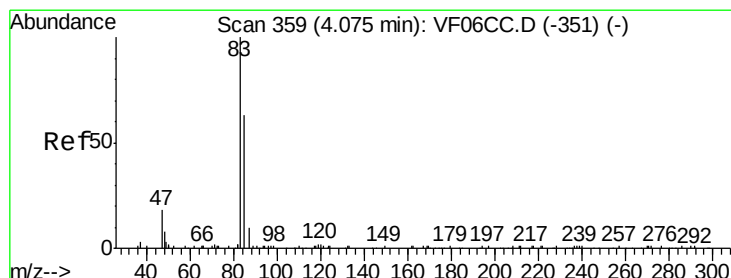
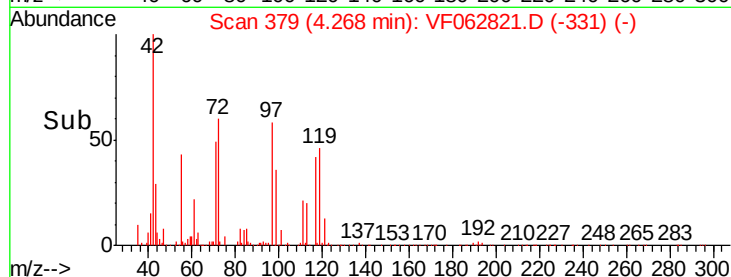
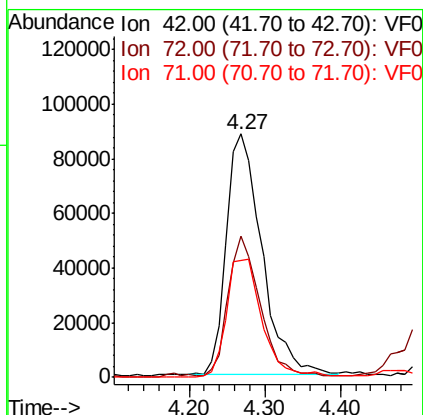
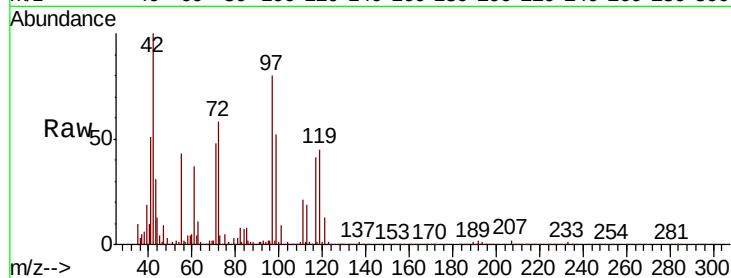




#29
Tetrahydrofuran
Concen: 236.782 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

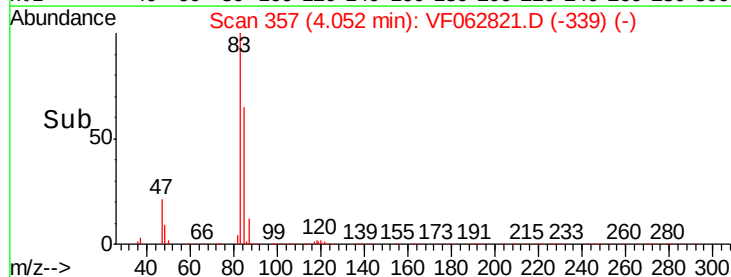
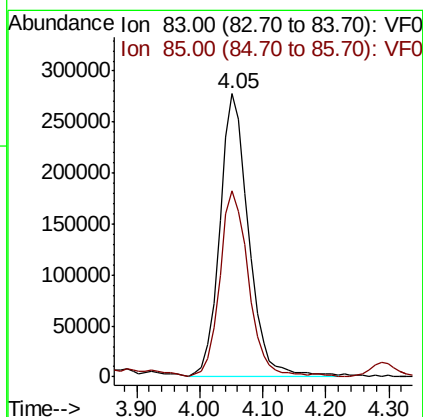
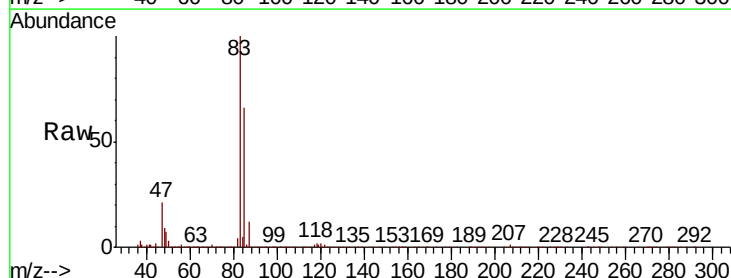
Instrument :
MSVOA_F
ClientSampled :

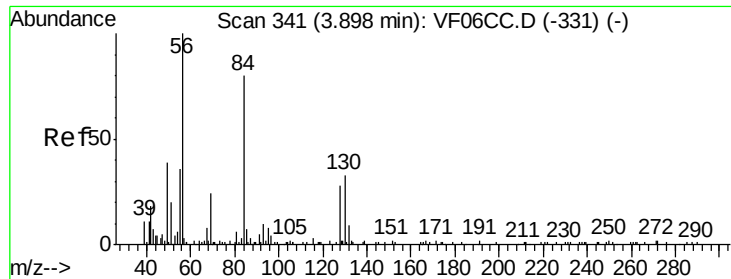
Tot Ion: 42 Resp: 287327
Ion Ratio Lower Upper
42 100
72 52.1 39.0 58.6
71 49.4 36.9 55.3



#30
Chloroform
Concen: 52.528 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 83 Resp: 871499
Ion Ratio Lower Upper
83 100
85 65.9 55.0 82.6

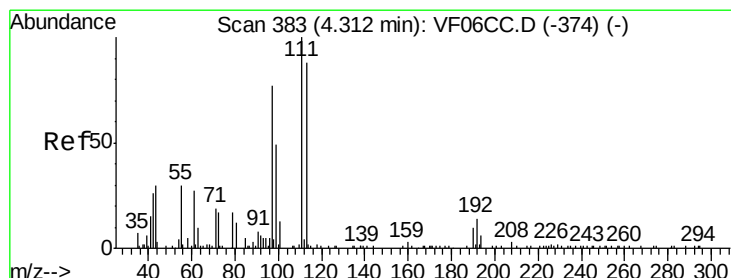
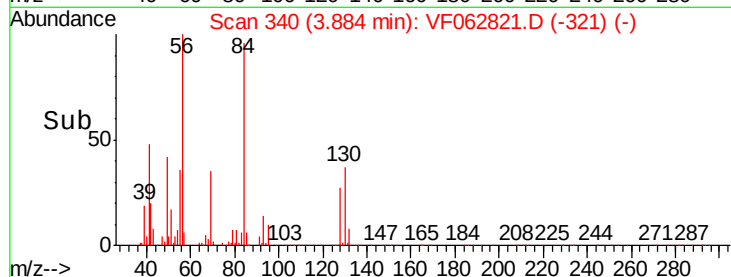
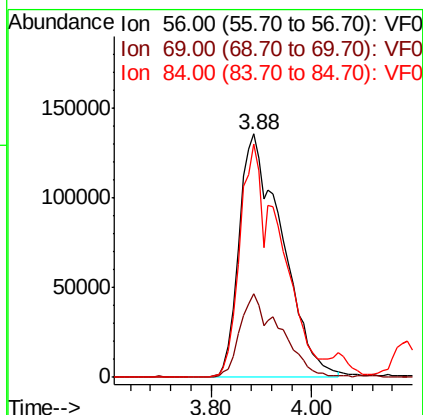
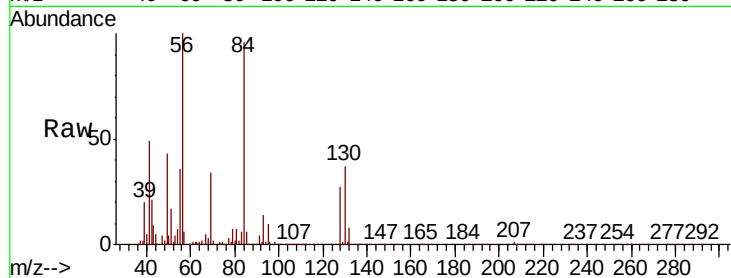




#31
Cyclohexane
Concen: 49.812 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

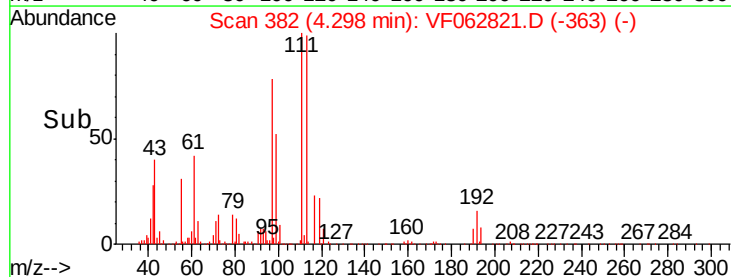
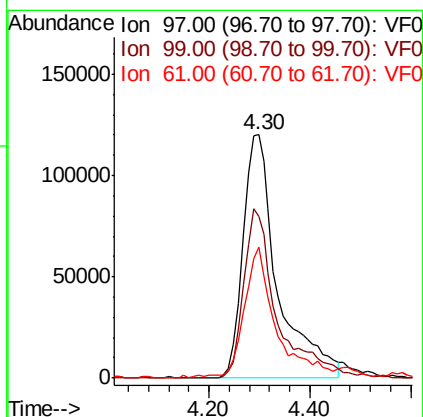
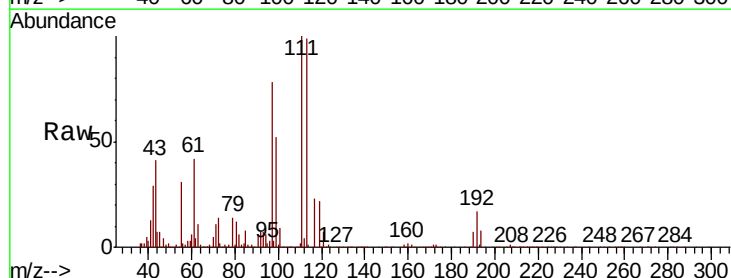
Instrument :
MSVOA_F
ClientSampleId :

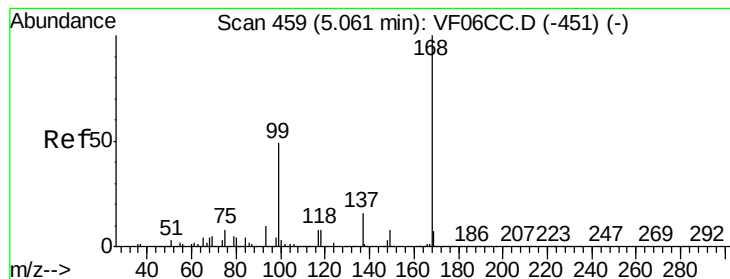
Tot Ion: 56 Resp: 793877
Ion Ratio Lower Upper
56 100
69 34.5 26.7 40.1
84 95.8 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 59.432 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 97 Resp: 574100
Ion Ratio Lower Upper
97 100
99 66.3 51.7 77.5
61 54.0 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 50.261 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

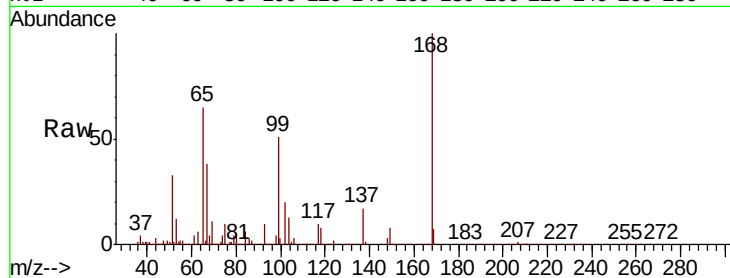
ClientSampleId :

Tot Ion: 65 Resp: 299179

Ion Ratio Lower Upper

65 100

67 58.1 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

120000

100000

80000

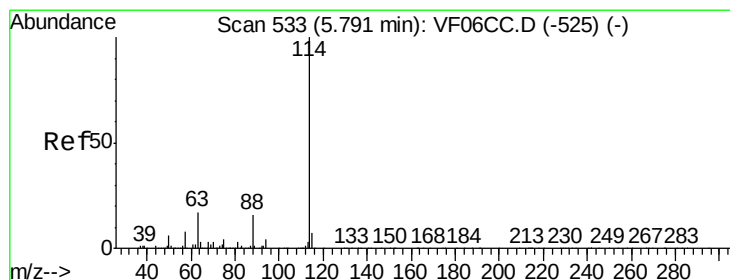
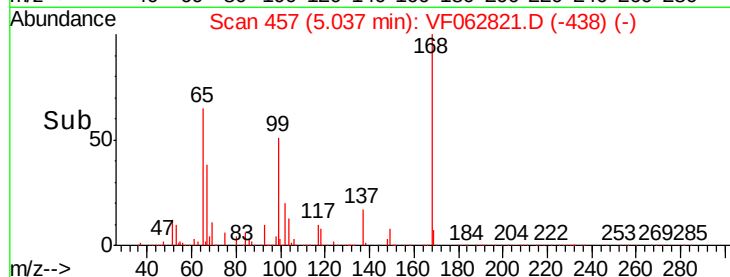
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

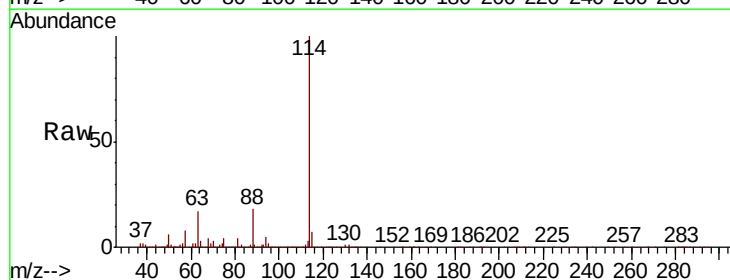
Tgt Ion: 114 Resp: 1386449

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

88 17.9 0.0 31.2



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

5.78

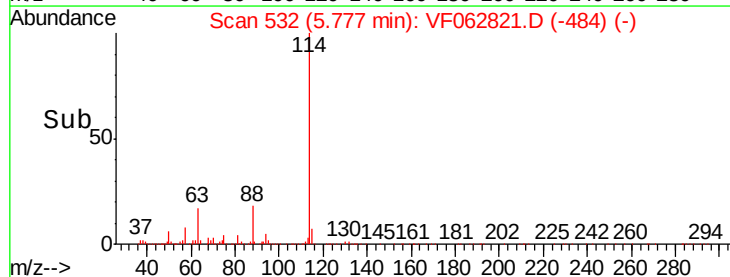
600000

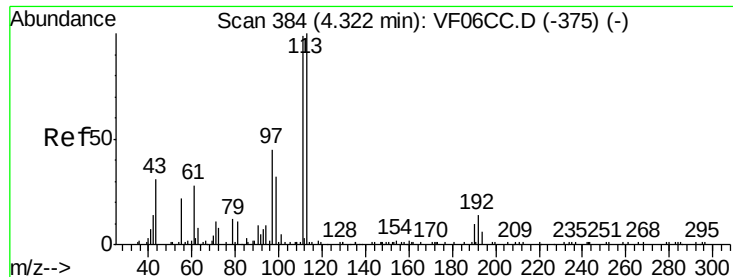
400000

200000

0

Time-->

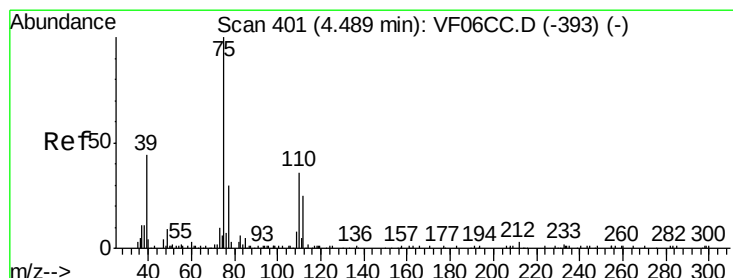
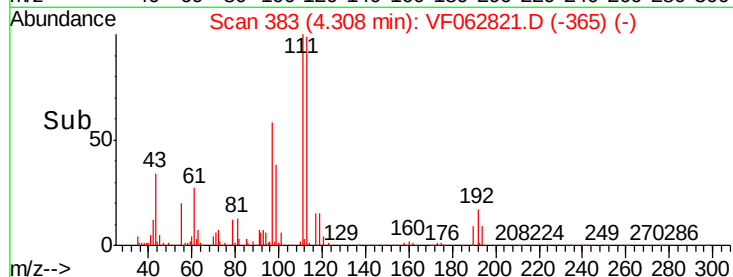
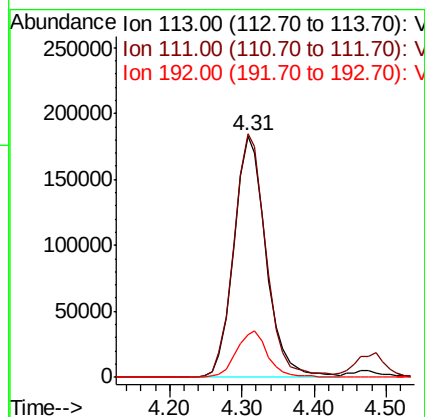
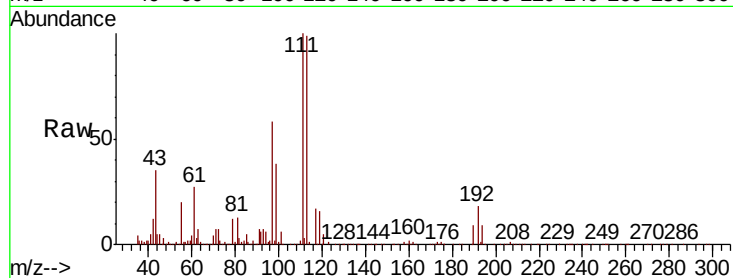




#35
 Dibromofluoromethane
 Concen: 54.313 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.03 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

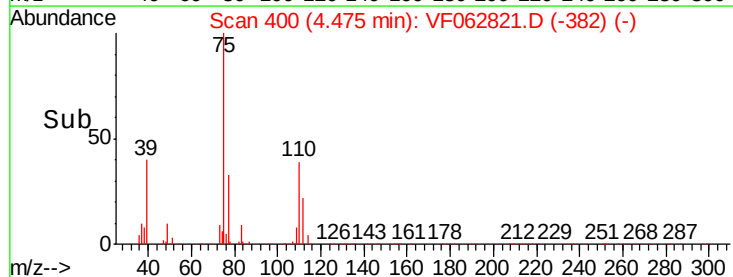
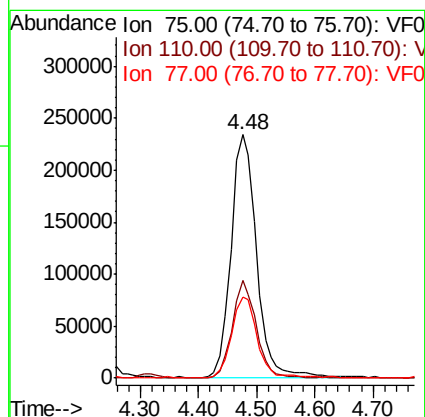
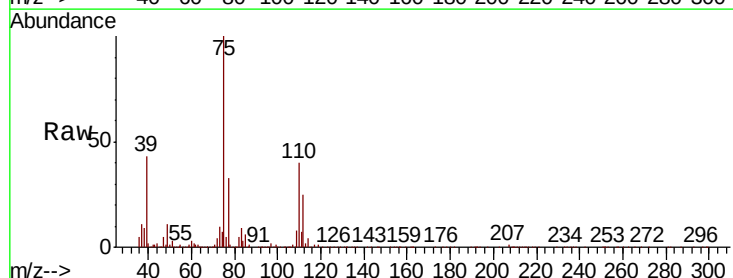
Instrument :
 MSVOA_F
 ClientSampleId :

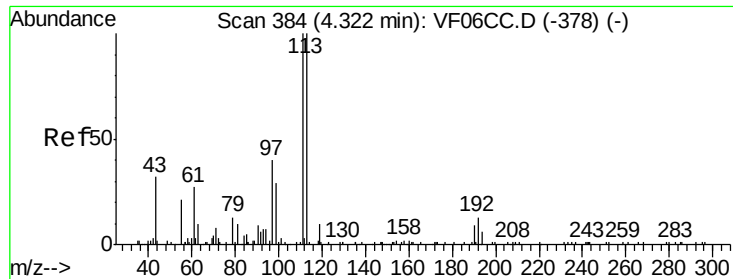
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.9	122.9
192	17.7	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 55.786 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.03 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.0	19.4	58.1
77	33.4	25.4	38.2

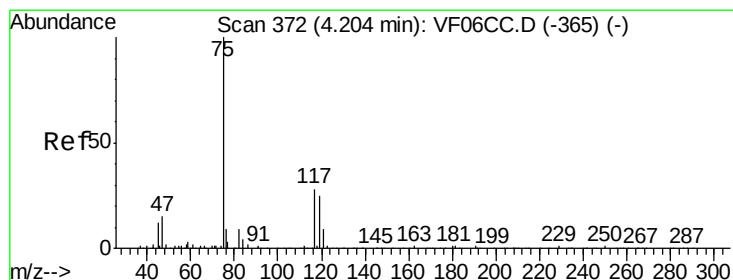
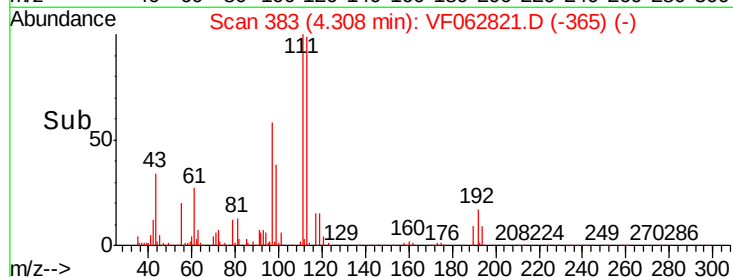
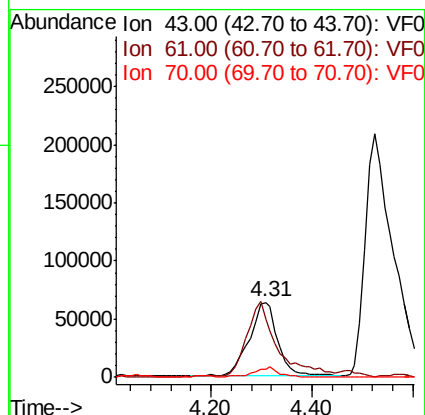
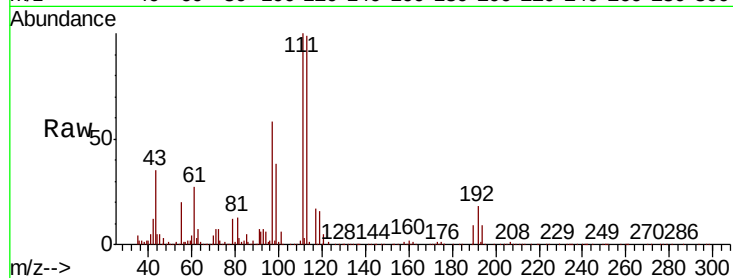




#37
Ethyl Acetate
Concen: 52.270 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

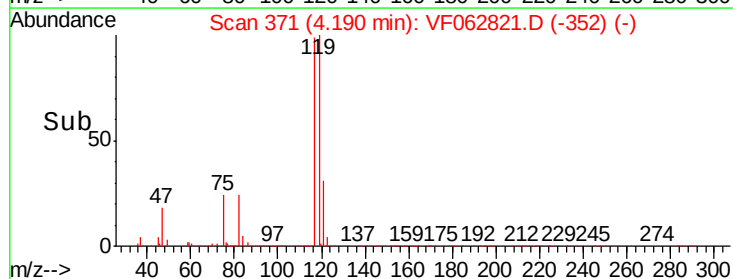
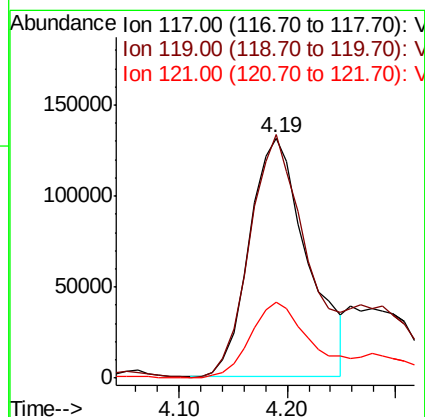
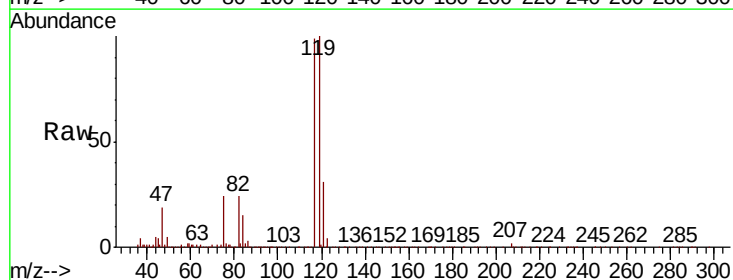
Instrument :
MSVOA_F
ClientSampled :

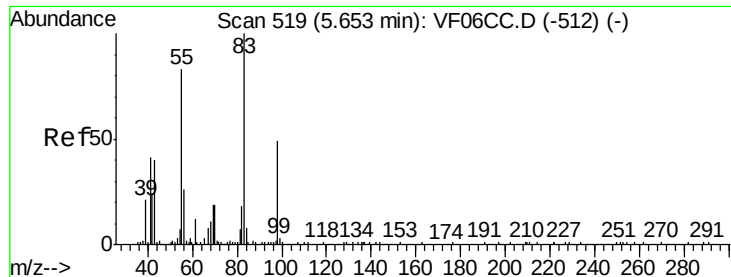
Tot Ion: 43 Resp: 255028
Ion Ratio Lower Upper
43 100
61 77.6 59.1 88.7
70 11.5 10.1 15.1



#38
Carbon Tetrachloride
Concen: 56.680 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 117 Resp: 488930
Ion Ratio Lower Upper
117 100
119 101.5 78.2 117.2
121 31.5 28.2 42.2

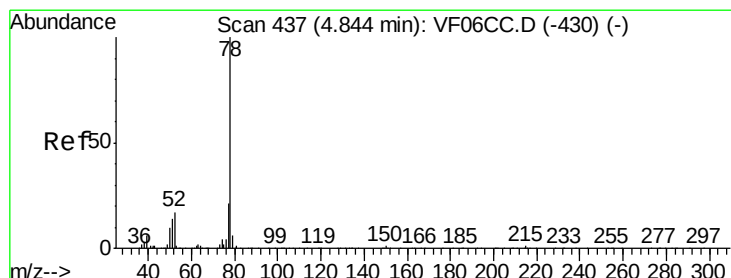
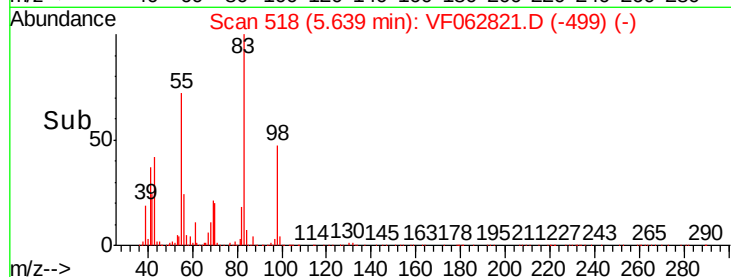
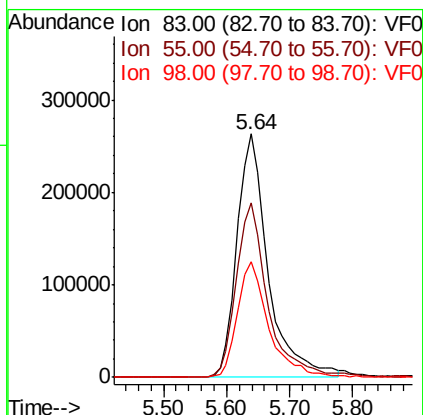
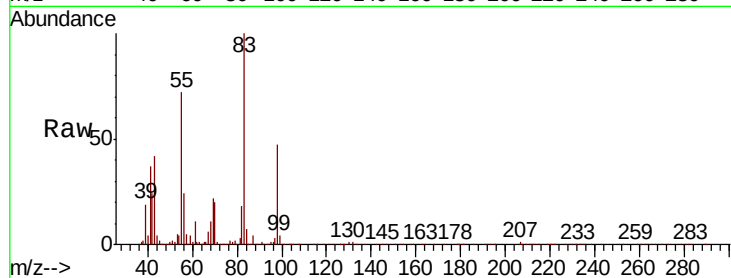




#39
Methylvlcyclohexane
Concen: 56.736 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

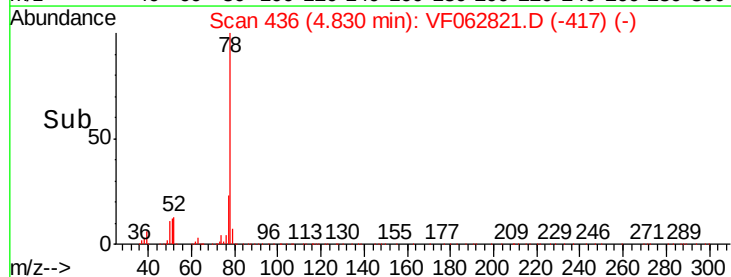
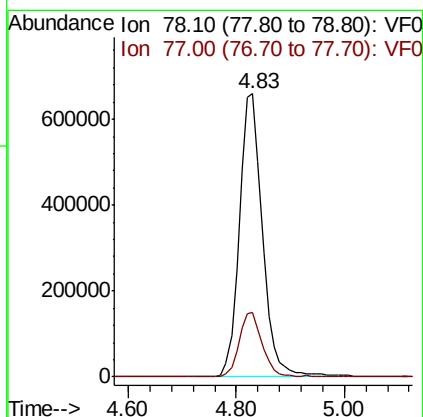
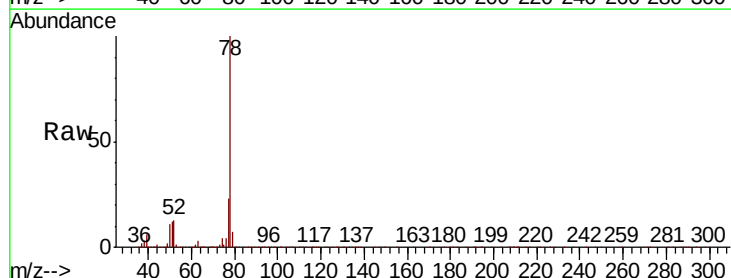
Instrument :
MSVOA_F
ClientSampleId :

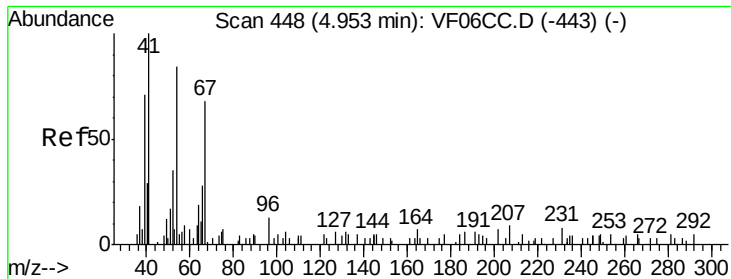
Tot Ion: 83 Resp: 901273
Ion Ratio Lower Upper
83 100
55 71.7 61.6 92.4
98 47.5 37.4 56.2



#40
Benzene
Concen: 52.606 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 78 Resp: 1954123
Ion Ratio Lower Upper
78 100
77 22.8 18.9 28.3

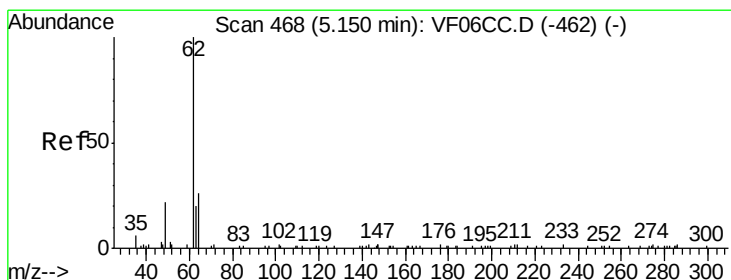
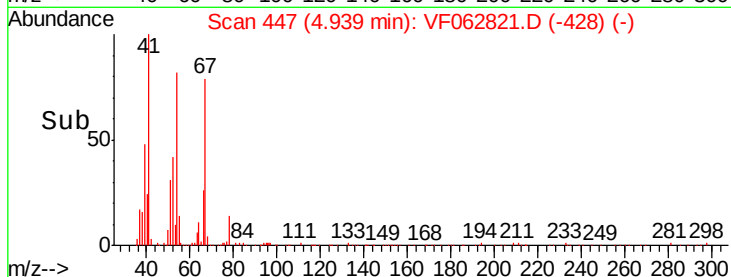
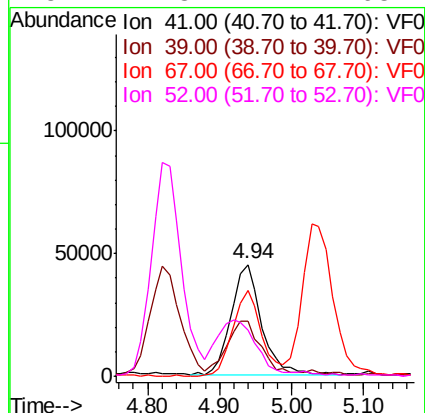
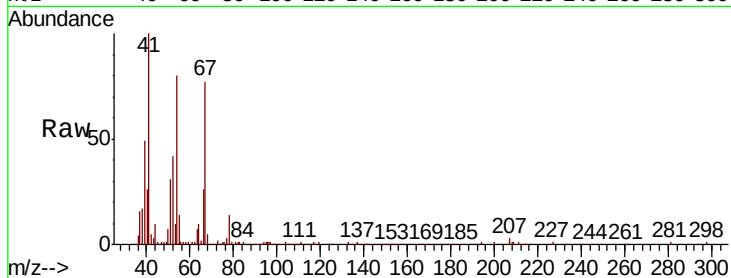




#41
Methacrylonitrile
Concen: 48.588 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

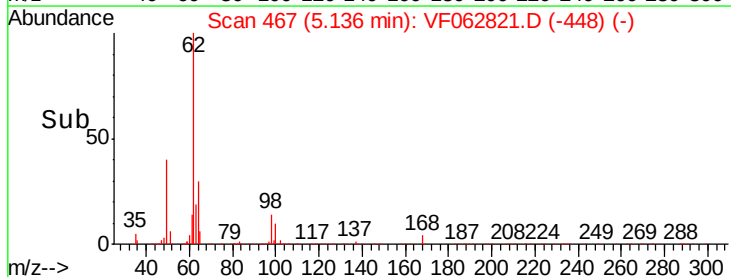
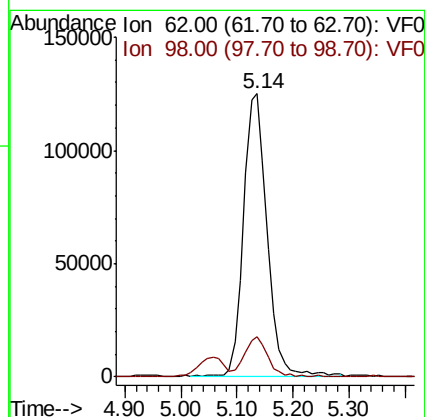
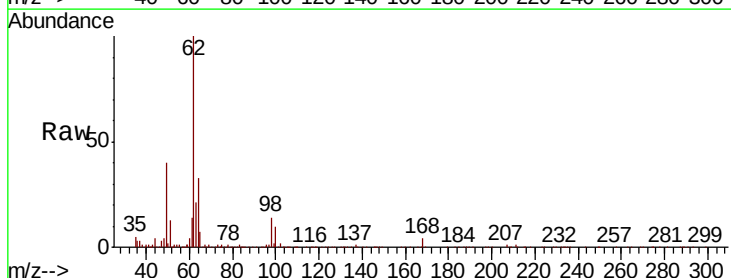
Instrument :
MSVOA_F
ClientSampleId :

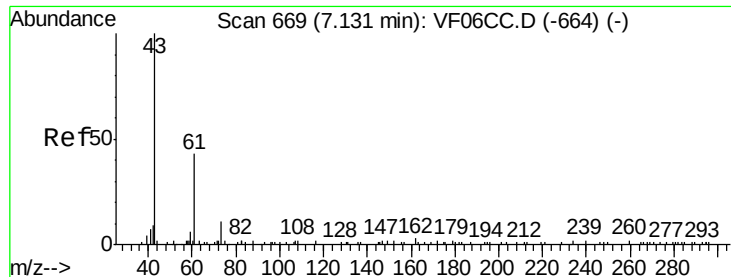
Tot Ion:	41	Resp:	131789
Ion	Ratio	Lower	Upper
41	100		
39	49.0	42.0	63.0
67	77.4	61.4	92.0
52	41.8	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 51.927 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion:	62	Resp:	366866
Ion	Ratio	Lower	Upper
62	100		
98	14.2	0.0	24.0





#43

Isopropyl Acetate

Concen: 52.491 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

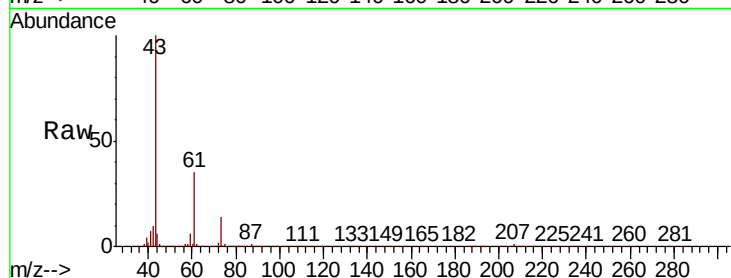
Tot Ion: 43 Resp: 338318

Ion Ratio Lower Upper

43 100

61 35.2 29.8 44.6

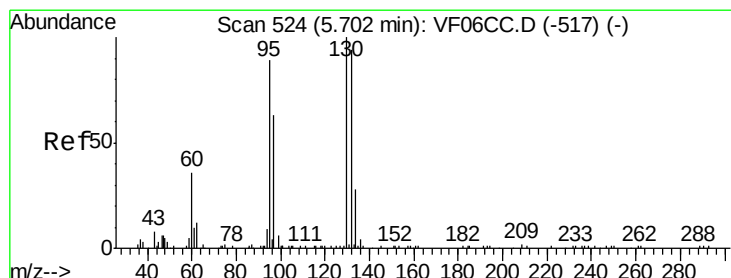
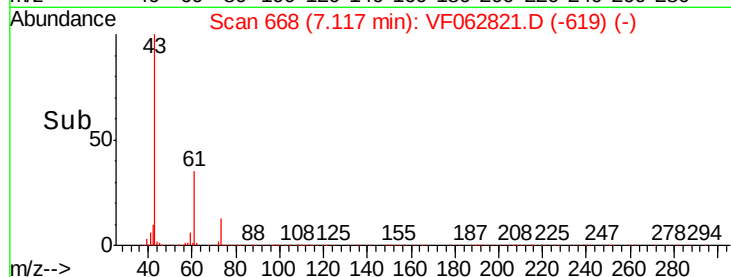
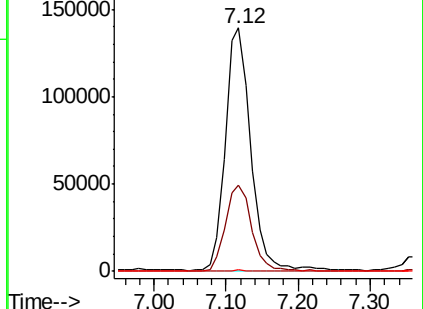
87 0.7 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 54.164 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.02 min

Lab File: VF062821.D

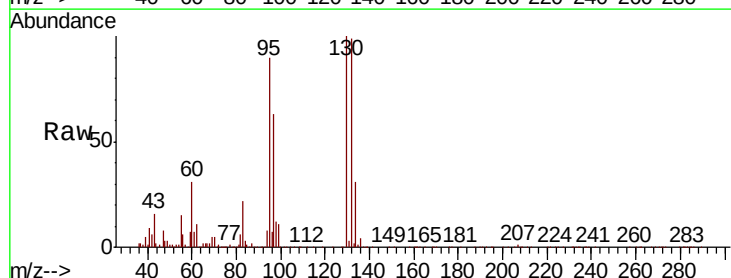
Acq: 3 Jun 2019 10:56

Tgt Ion: 130 Resp: 567831

Ion Ratio Lower Upper

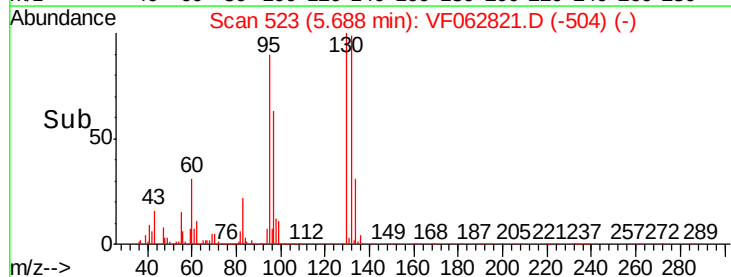
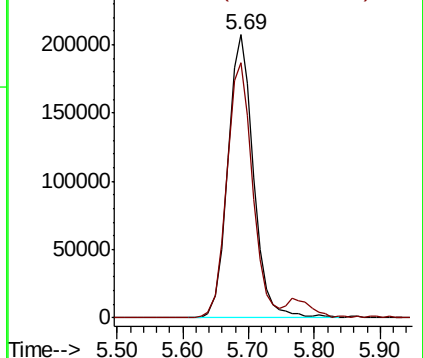
130 100

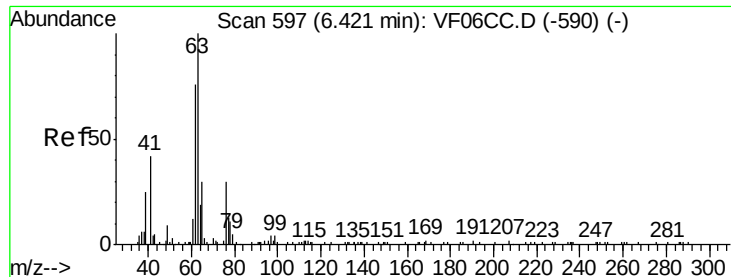
95 90.0 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

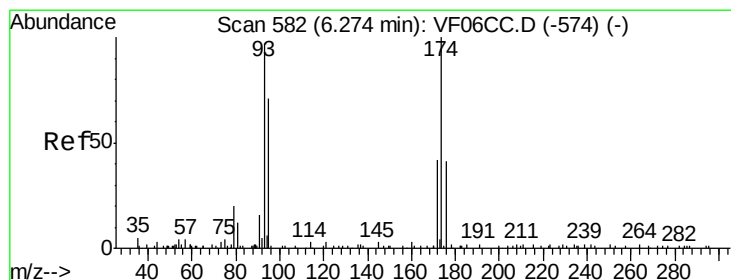
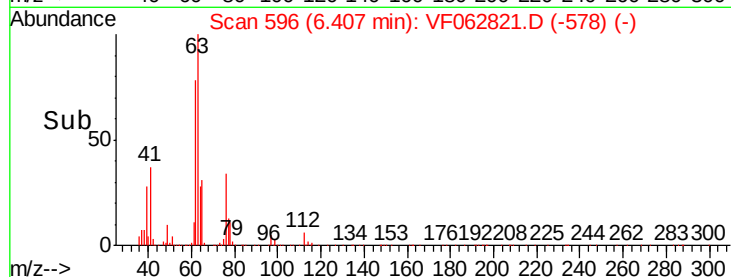
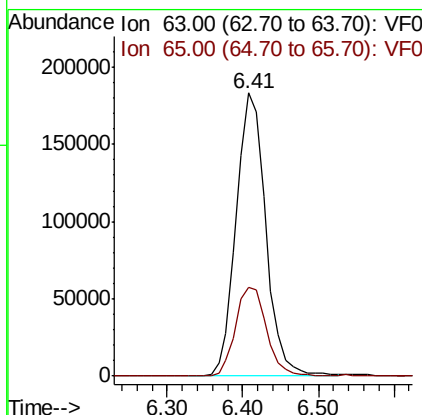
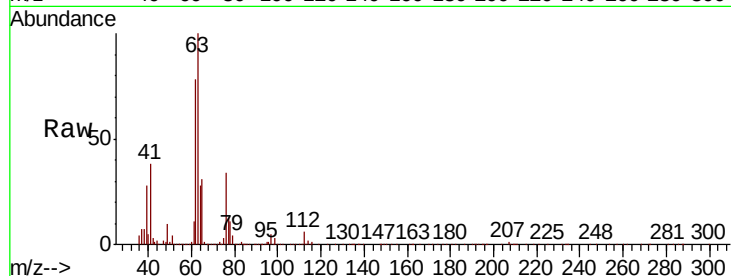




#45
 1,2-Dichloropropane
 Concen: 53.063 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. -0.03 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

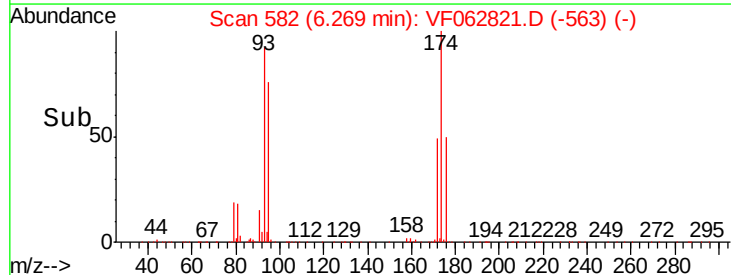
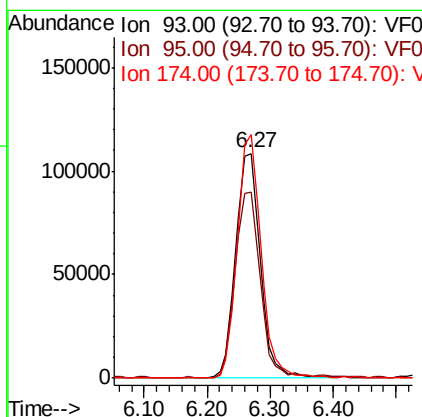
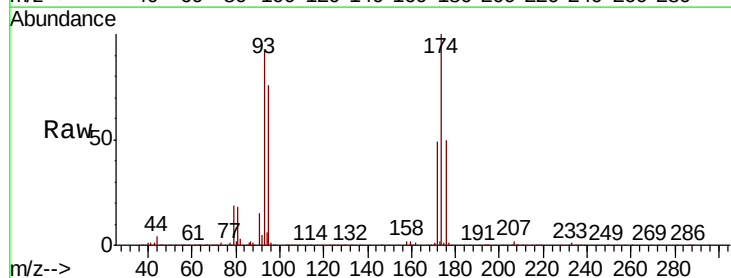
Instrument :
 MSVOA_F
 ClientSampleId :

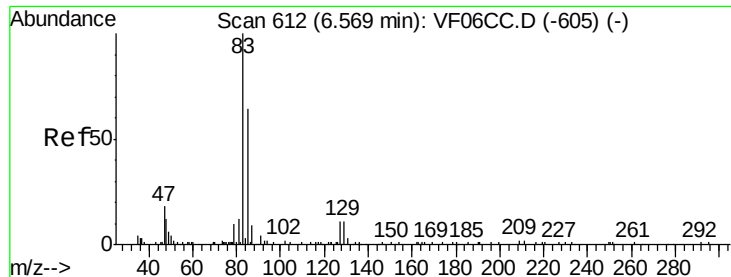
Tot Ion: 63 Resp: 494641
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.2



#46
 Dibromomethane
 Concen: 53.717 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion: 93 Resp: 292351
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.9 101.9
 174 109.9 85.0 127.4





#47

Bromodichloromethane

Concen: 52.005 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampled :

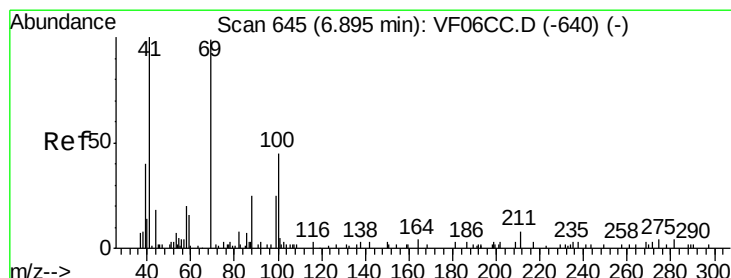
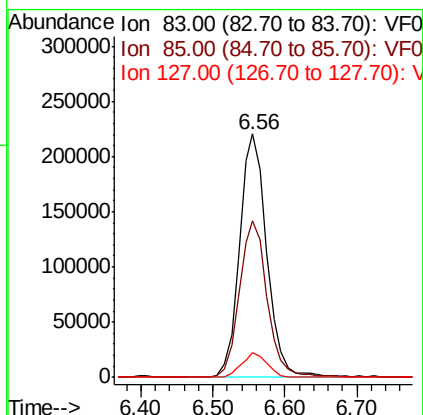
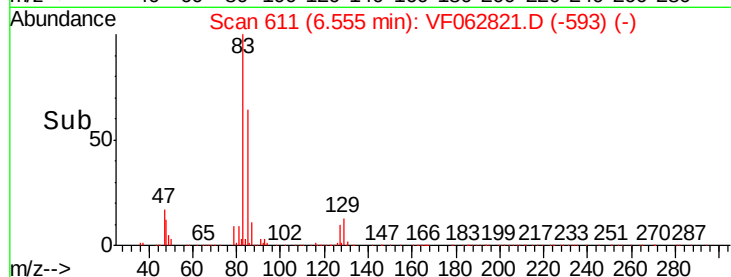
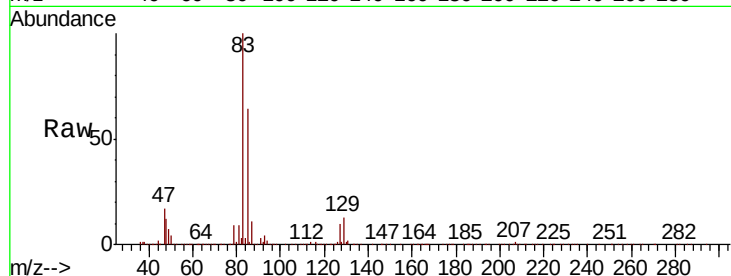
Tot Ion: 83 Resp: 576419

Ion Ratio Lower Upper

83 100

85 64.2 54.2 81.4

127 10.3 7.0 10.4



#48

Methyl methacrylate

Concen: 52.976 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

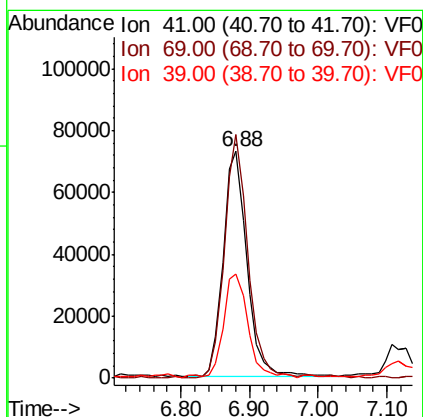
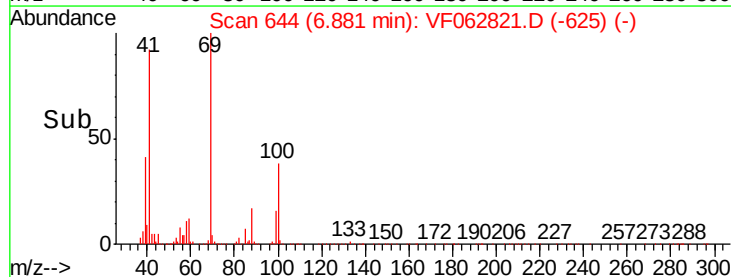
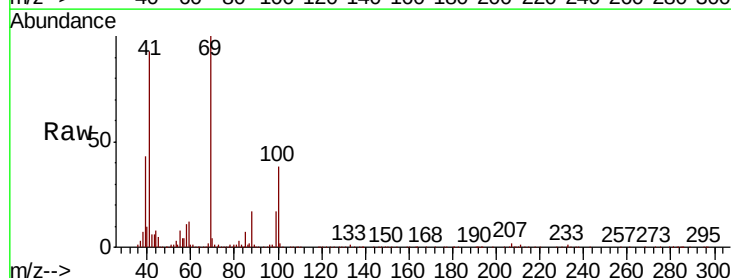
Tgt Ion: 41 Resp: 175968

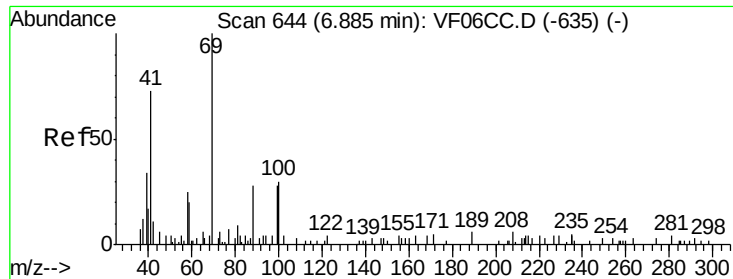
Ion Ratio Lower Upper

41 100

69 107.6 79.4 119.2

39 45.9 39.8 59.6

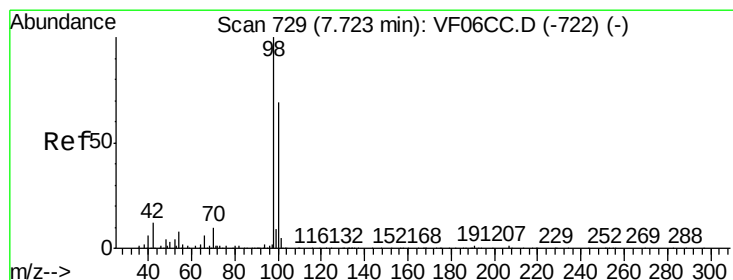
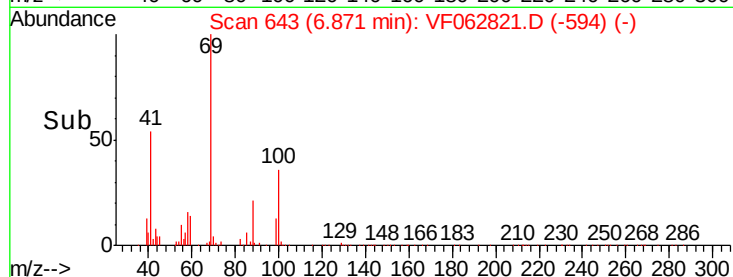
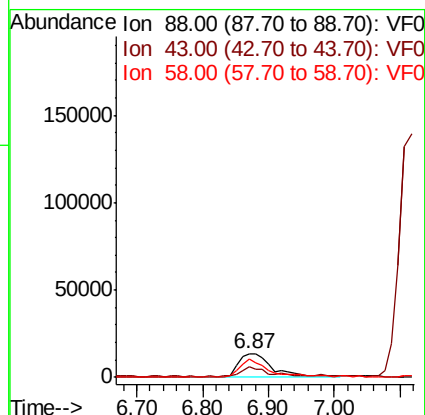
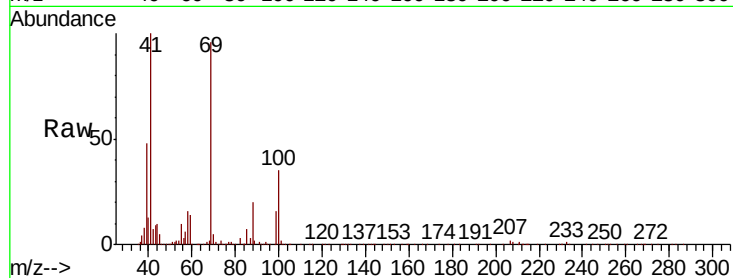




#49
1,4-Dioxane
Concen: 1177.254 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

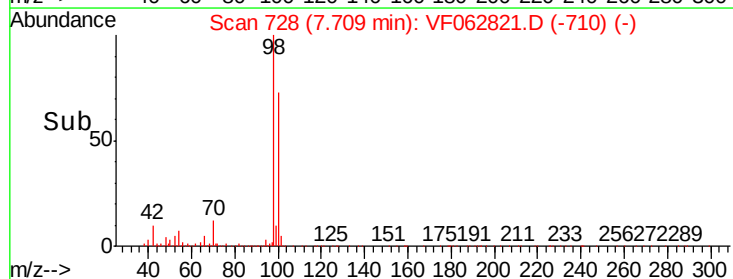
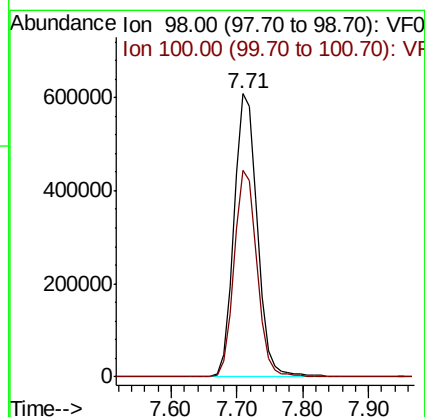
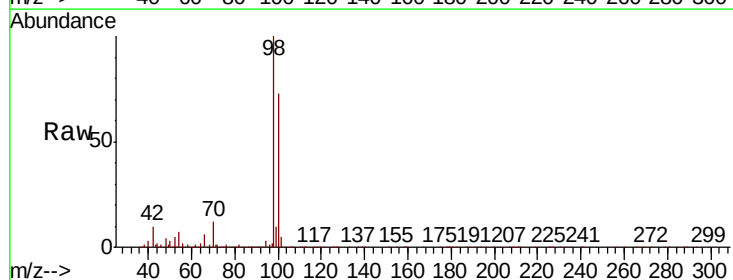
Instrument :
MSVOA_F
ClientSampleId :

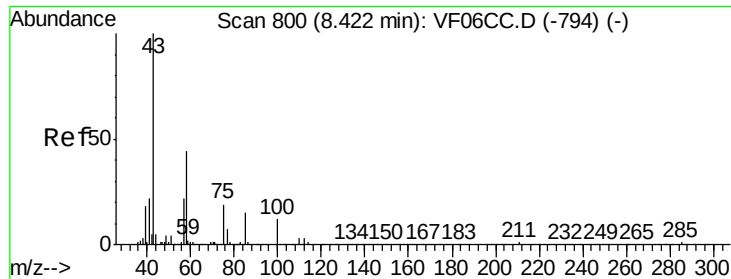
Tot Ion: 88 Resp: 51544
Ion Ratio Lower Upper
88 100
43 45.1 34.8 52.2
58 80.6 59.9 89.9



#50
Toluene-d8
Concen: 57.125 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 98 Resp: 1513420
Ion Ratio Lower Upper
98 100
100 73.2 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 272.302 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

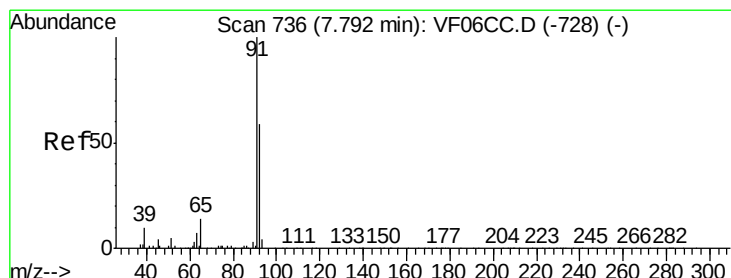
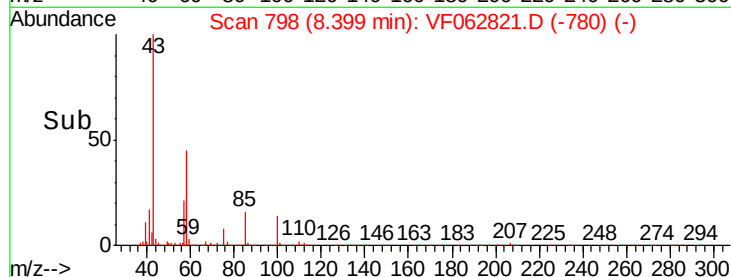
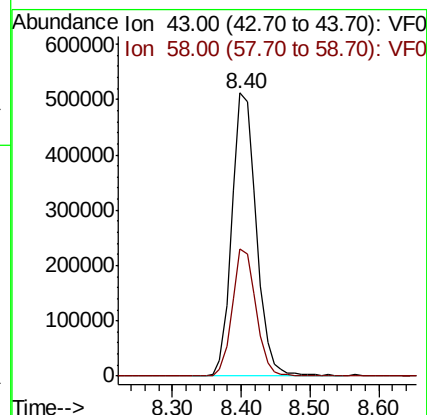
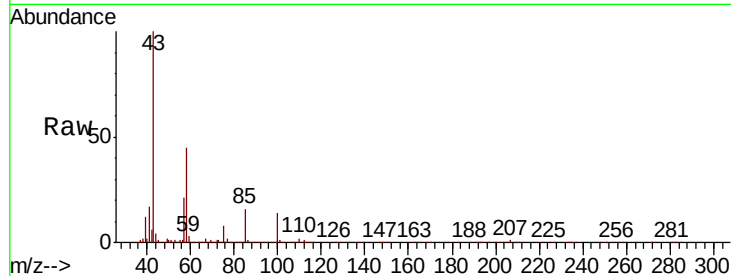
ClientSampled :

Tot Ion: 43 Resp: 1253007

Ion Ratio Lower Upper

43 100

58 45.0 35.5 53.3



#52

Toluene

Concen: 58.586 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.03 min

Lab File: VF062821.D

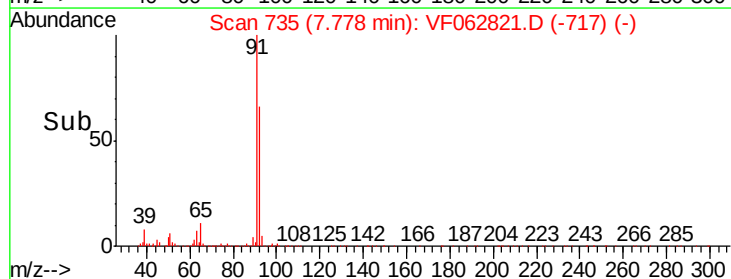
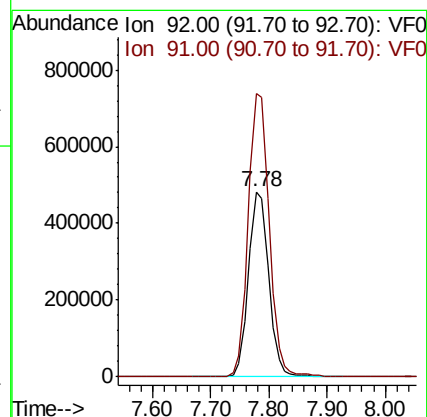
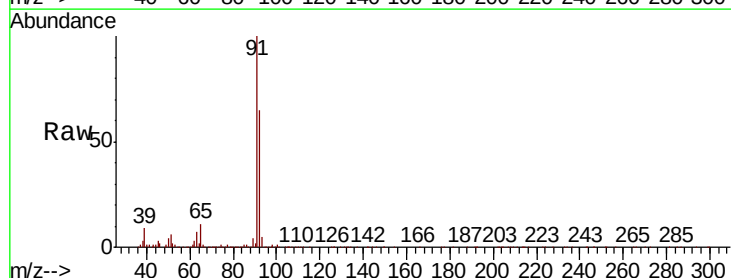
Acq: 3 Jun 2019 10:56

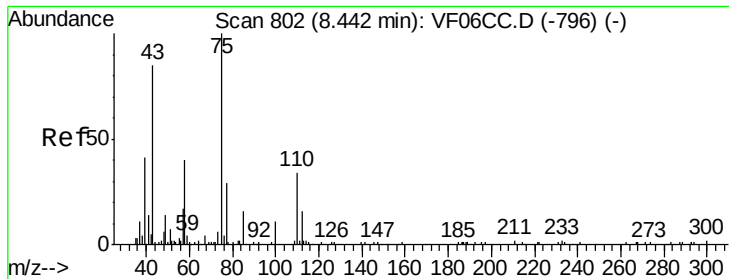
Tgt Ion: 92 Resp: 1172160

Ion Ratio Lower Upper

92 100

91 152.8 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 57.745 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

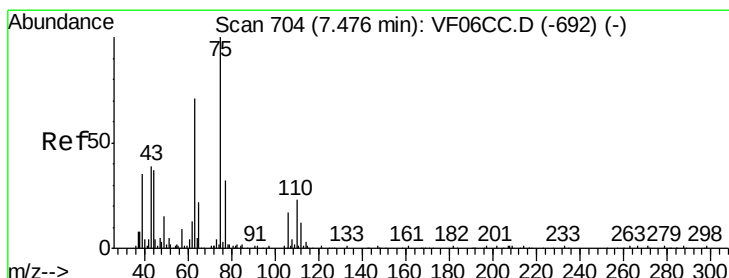
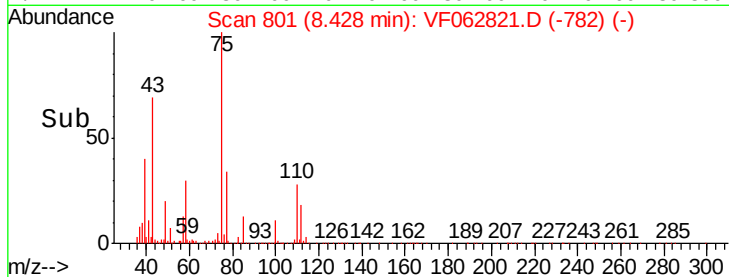
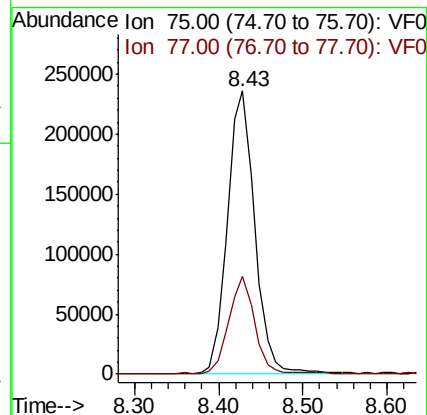
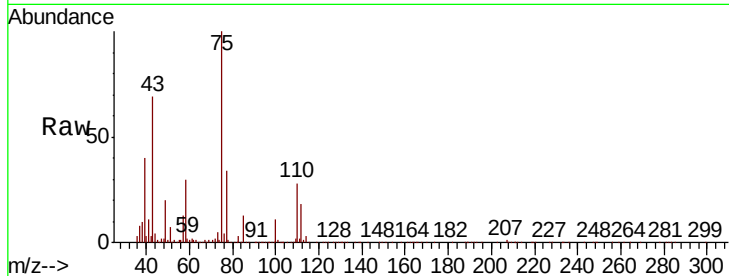
ClientSampled :

Tot Ion: 75 Resp: 530371

Ion Ratio Lower Upper

75 100

77 34.4 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 53.731 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

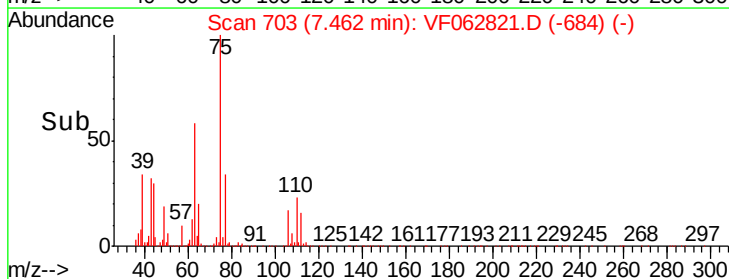
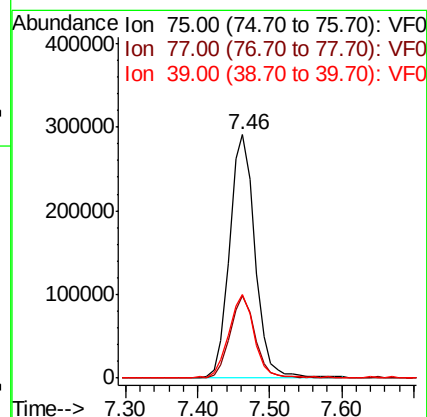
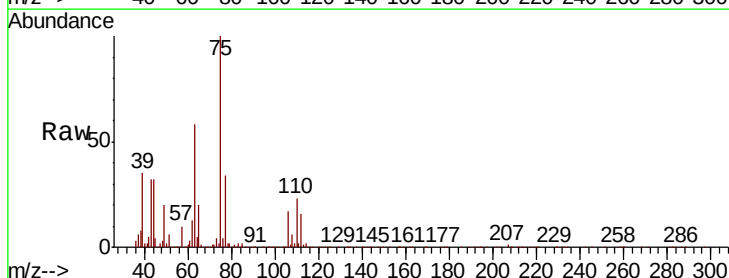
Tgt Ion: 75 Resp: 714346

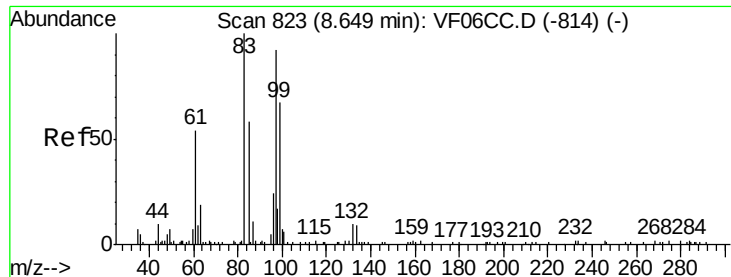
Ion Ratio Lower Upper

75 100

77 33.8 25.8 38.8

39 34.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 56.220 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 336041

Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.0	108.0
85	60.2	47.5	71.3
99	66.6	54.1	81.1

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->

8.50 8.60 8.70

150000

100000

50000

0

8.64

8.50 8.60 8.70

Time-->

8.50 8.60 8.70

Time-->

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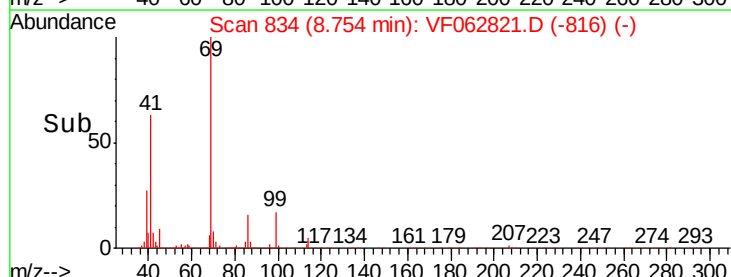
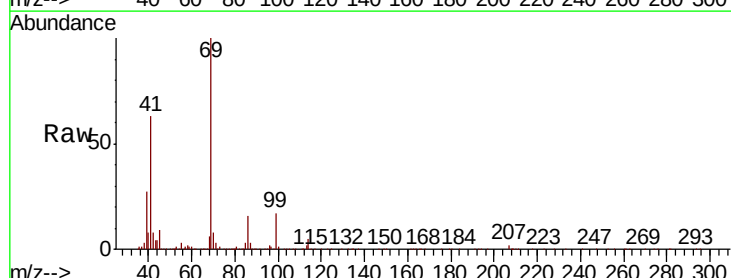
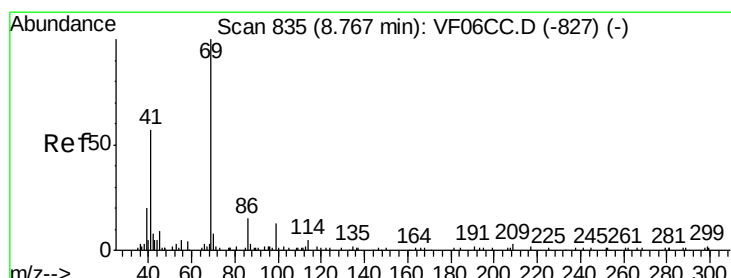
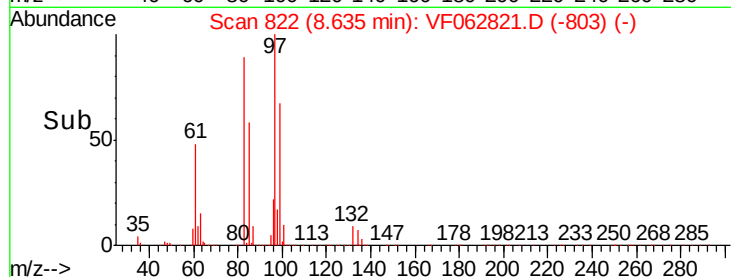
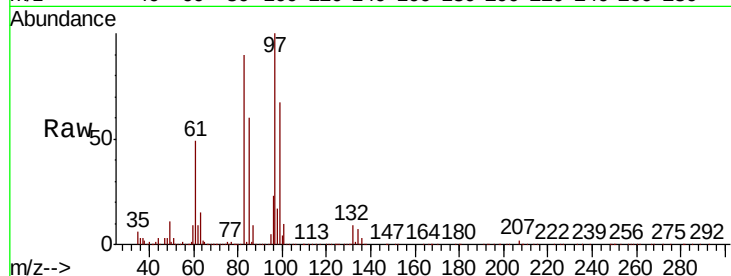
Time-->

Time-->

Time-->

Time-->

Time-->



#56

Ethyl methacrylate

Concen: 59.437 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion: 69 Resp: 381193

Ion	Ratio	Lower	Upper
69	100		
41	63.3	46.6	69.8
39	27.2	19.6	29.4

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

8.70 8.80 8.90

200000

150000

100000

50000

0

8.75

8.70 8.80 8.90

Time-->

Time-->

Time-->

Time-->

Time-->

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Time-->

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Time-->

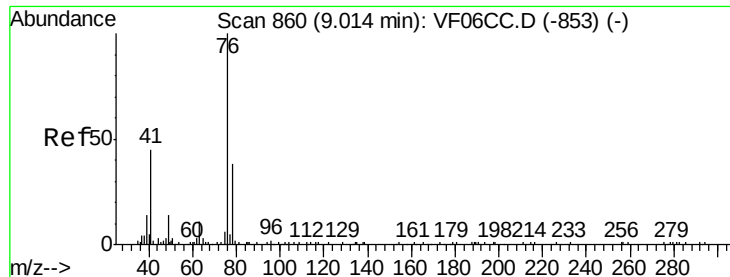
Time-->

Time-->

Time-->

Time-->

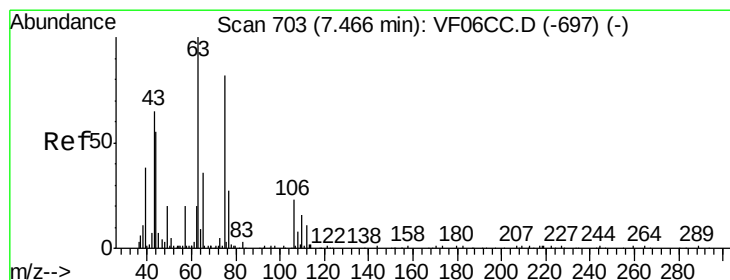
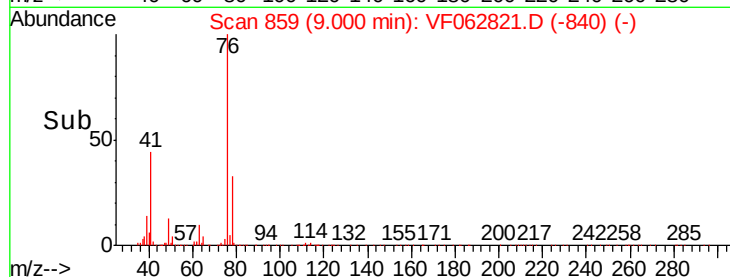
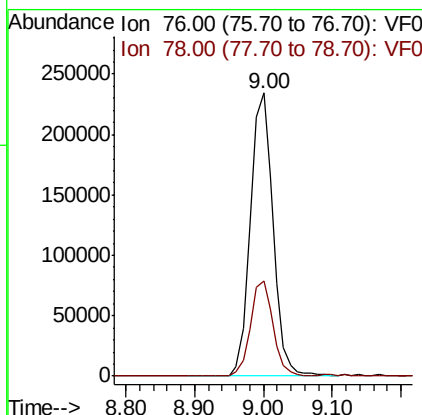
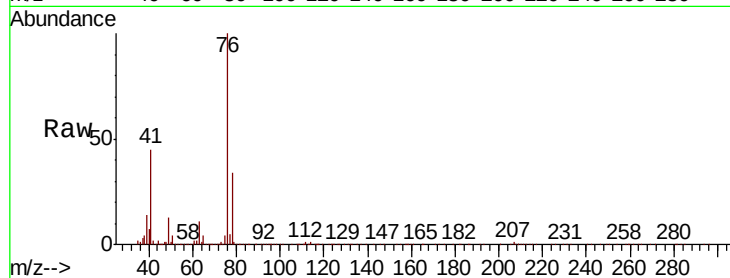
Time-->



#57
 1,3-Dichloropropane
 Concen: 55.241 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

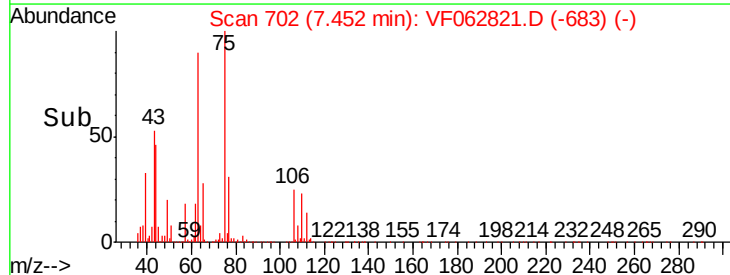
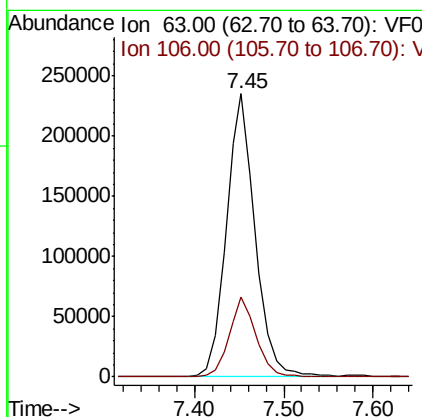
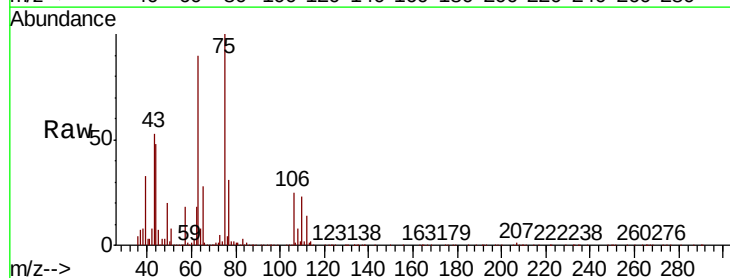
Instrument :
 MSVOA_F
 ClientSampleId :

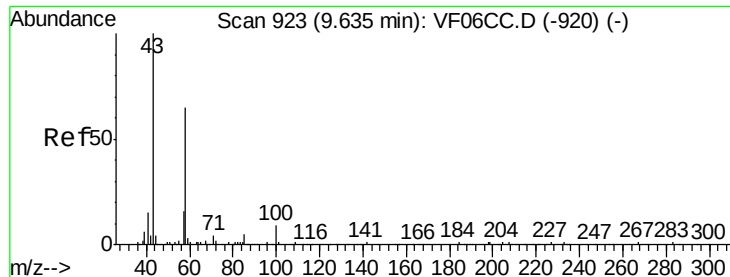
Tot Ion: 76 Resp: 539202
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.641 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion: 63 Resp: 528167
 Ion Ratio Lower Upper
 63 100
 106 28.2 19.5 29.3

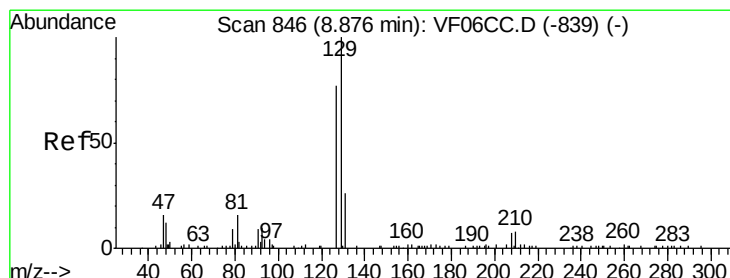
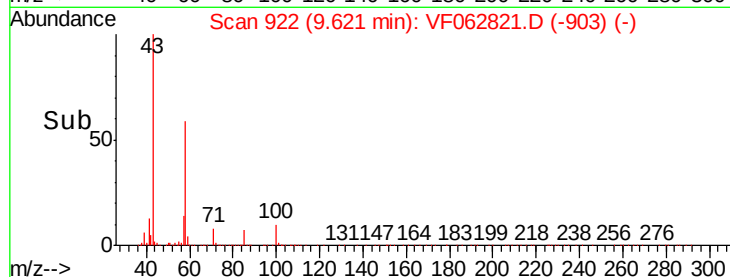
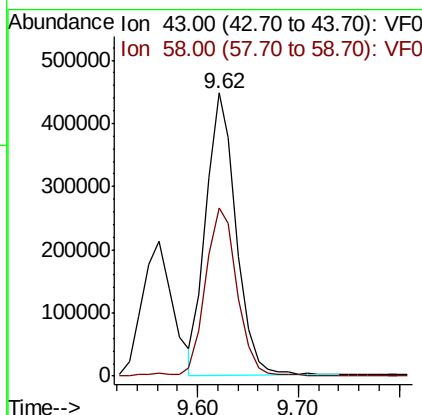
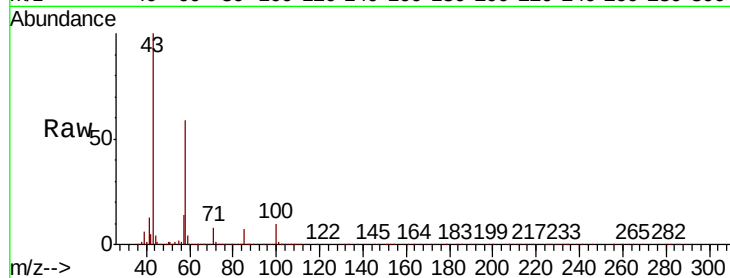




#59
2-Hexanone
Concen: 282.256 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

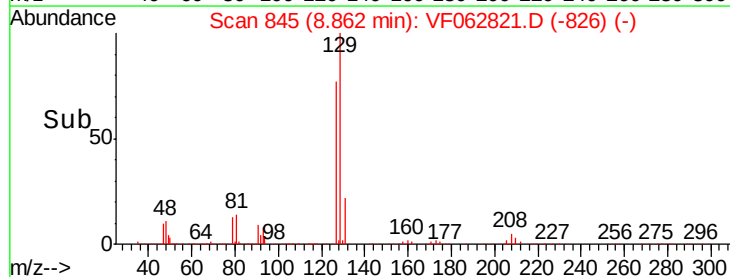
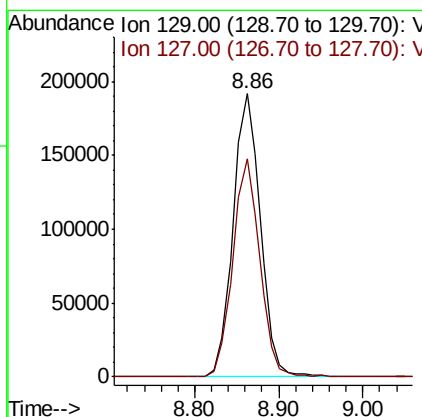
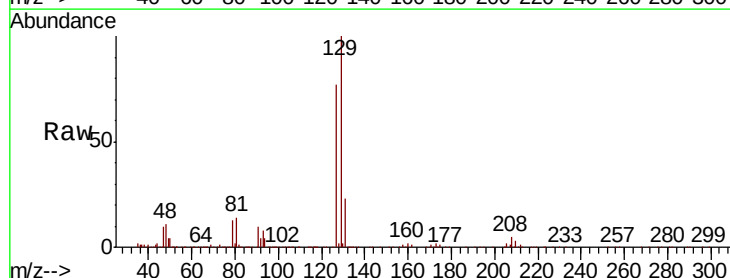
Instrument :
MSVOA_F
ClientSampleId :

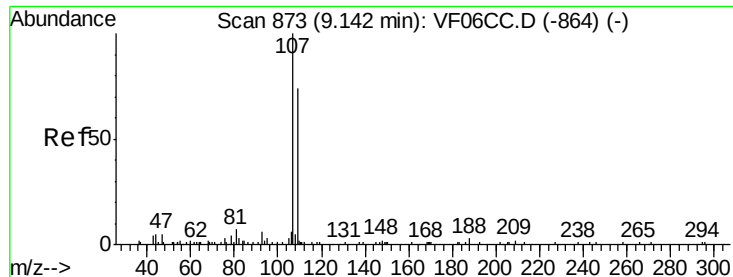
Tot Ion: 43 Resp: 925752
Ion Ratio Lower Upper
43 100
58 59.4 29.3 87.9



#60
Dibromochloromethane
Concen: 58.641 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 129 Resp: 433953
Ion Ratio Lower Upper
129 100
127 77.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 56.504 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

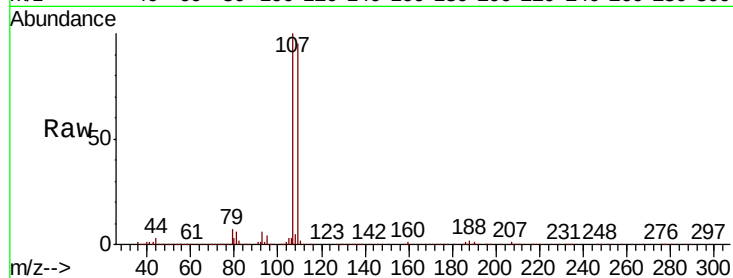
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 350758

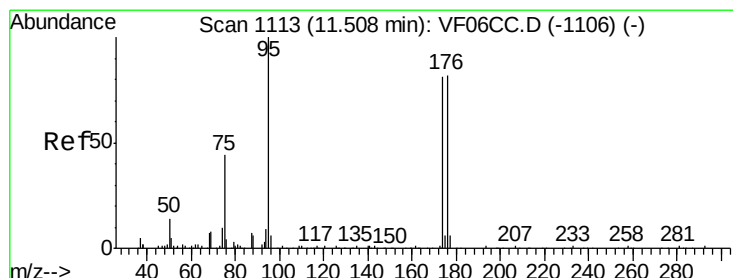
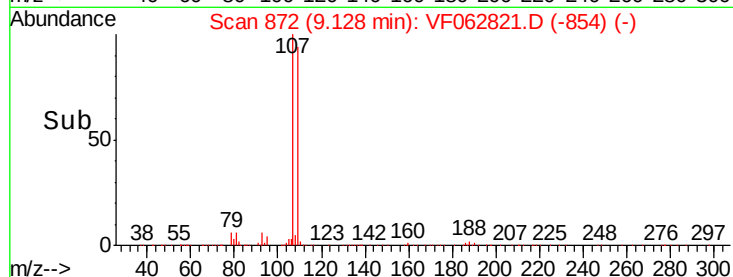
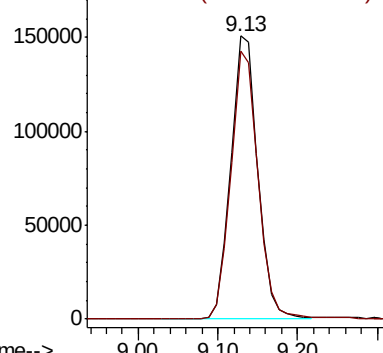
Ion Ratio Lower Upper

107 100

109 94.6 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.889 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

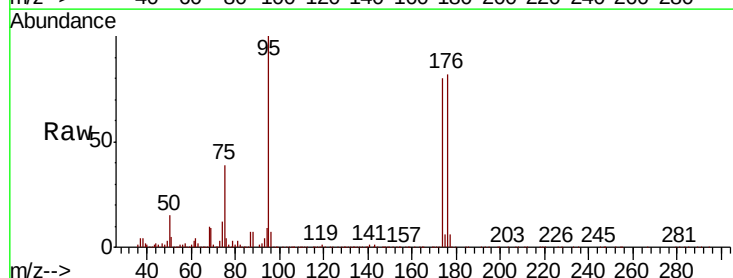
Tgt Ion: 95 Resp: 532620

Ion Ratio Lower Upper

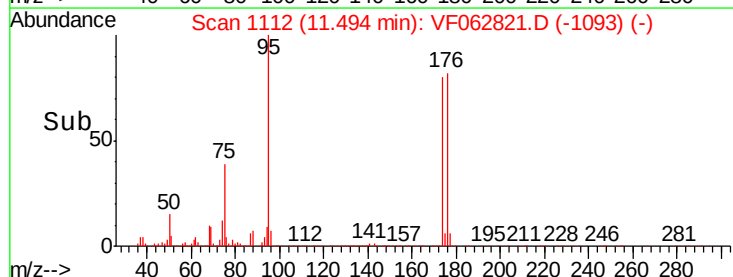
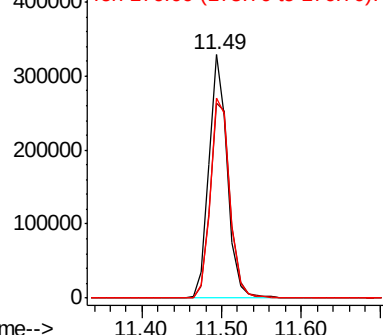
95 100

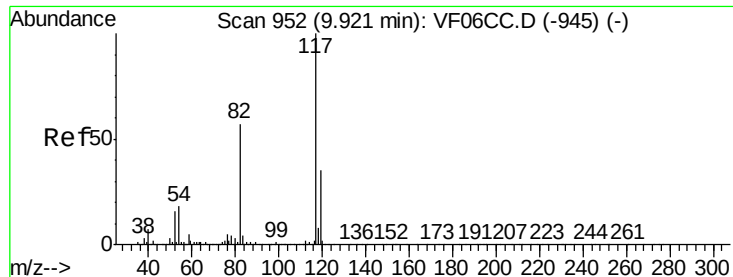
174 80.3 0.0 170.6

176 82.3 0.0 170.6



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

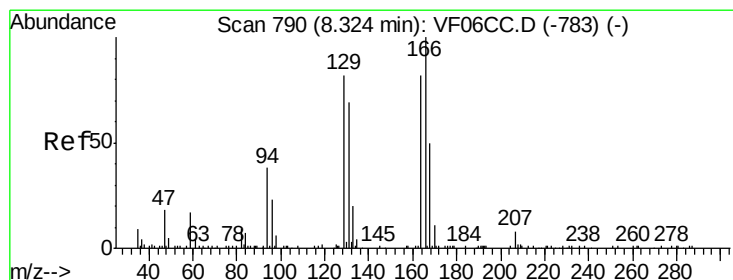
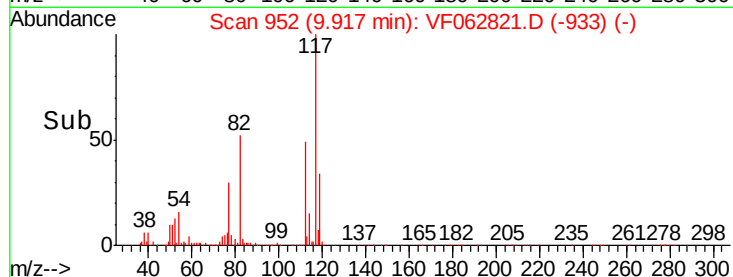
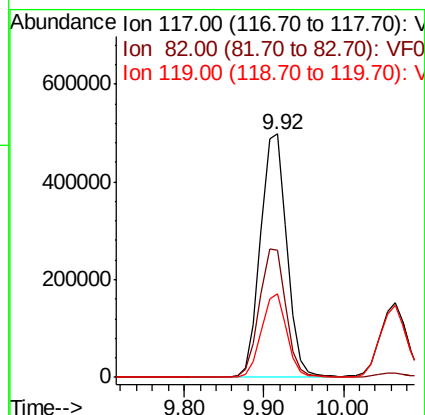
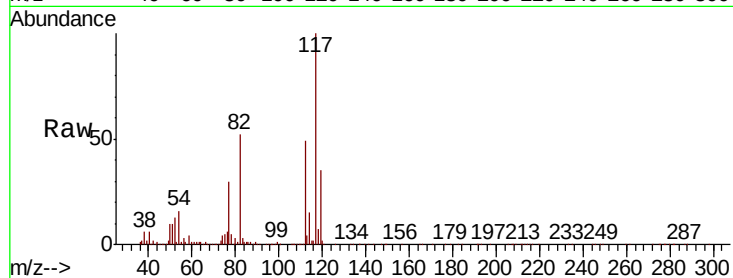




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

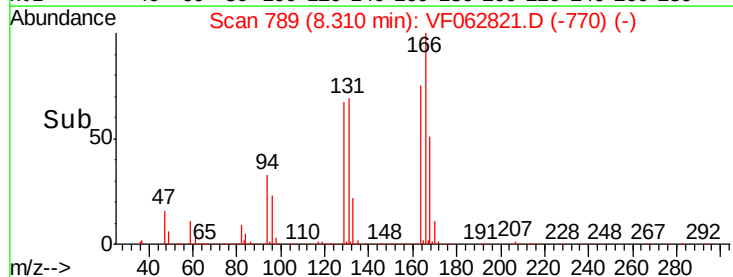
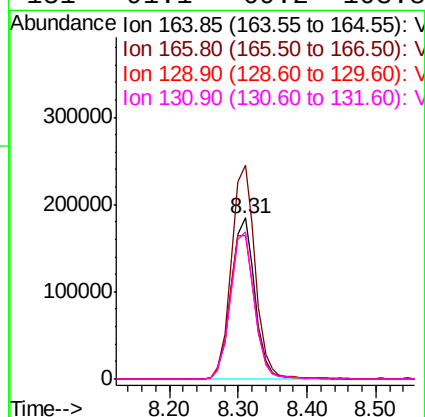
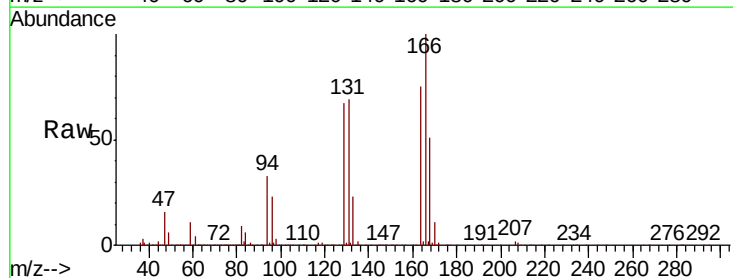
Instrument :
MSVOA_F
ClientSampleId :

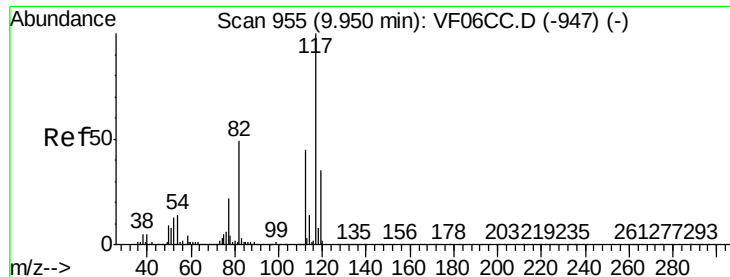
Tot Ion:117 Resp: 1134751
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 34.5 27.1 40.7



#64
Tetrachloroethene
Concen: 50.722 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion:164 Resp: 442289
Ion Ratio Lower Upper
164 100
166 132.5 99.1 148.7
129 88.9 69.5 104.3
131 91.1 69.2 103.8





#65

Chlorobenzene

Concen: 54.055 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

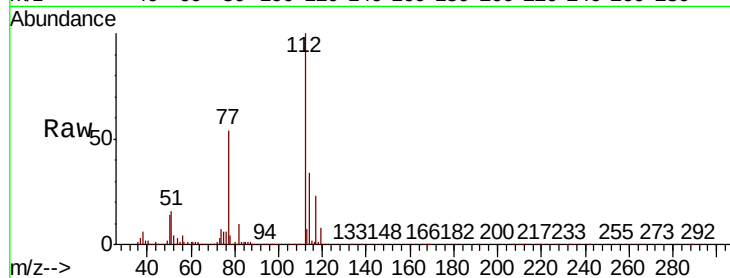
ClientSampled :

Tot Ion:112 Resp: 1184545

Ion Ratio Lower Upper

112 100

114 33.7 27.4 41.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.94

600000

500000

400000

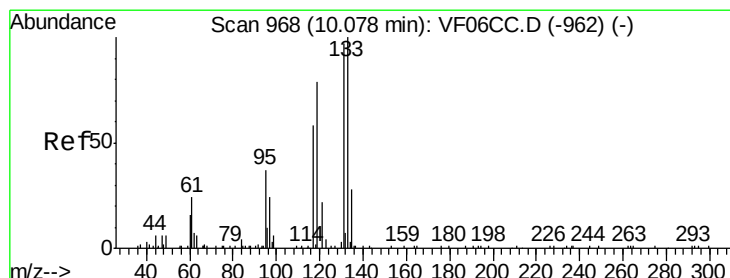
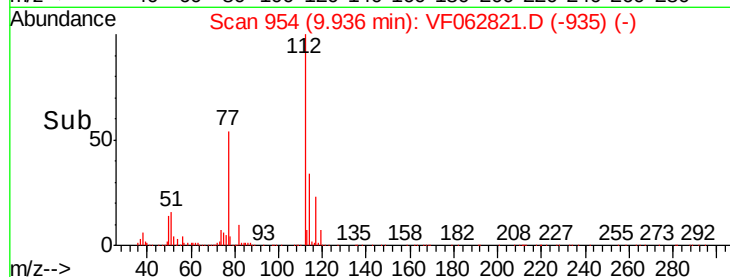
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.785 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

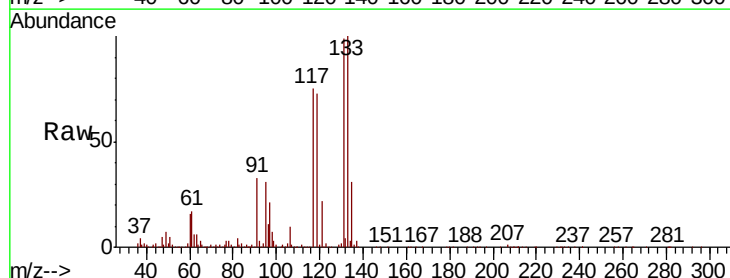
Tgt Ion:131 Resp: 451949

Ion Ratio Lower Upper

131 100

133 100.7 48.9 146.7

119 73.4 38.0 114.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.06

250000

200000

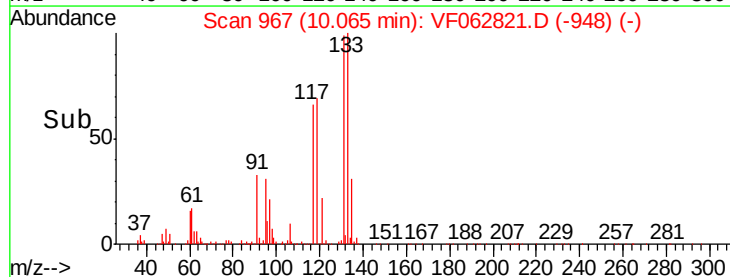
150000

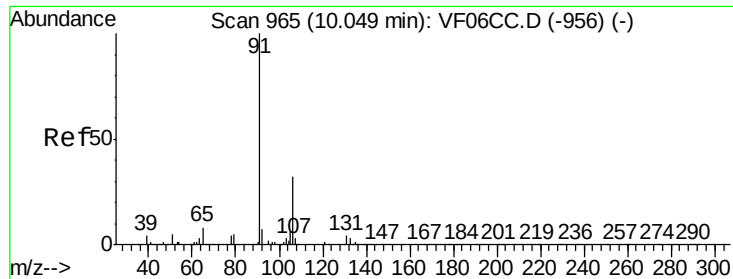
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 52.410 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

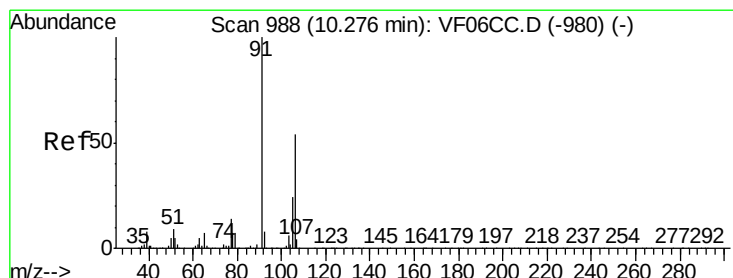
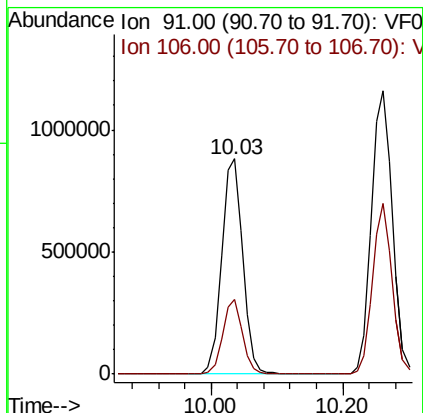
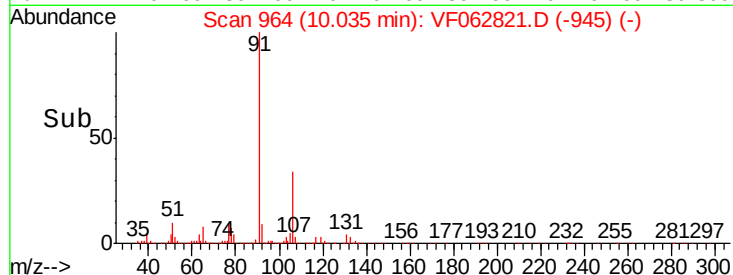
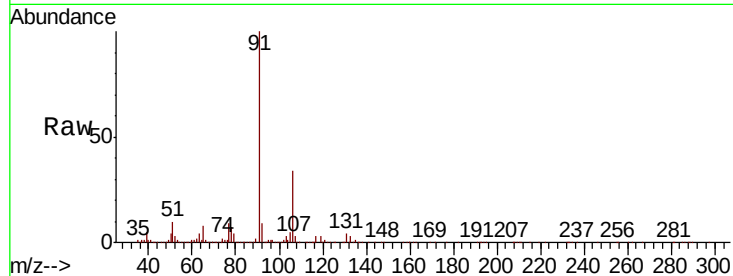
ClientSampleId :

Tot Ion: 91 Resp: 1970863

Ion Ratio Lower Upper

91 100

106 34.4 26.0 39.0



#68

m/p-Xylenes

Concen: 101.533 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062821.D

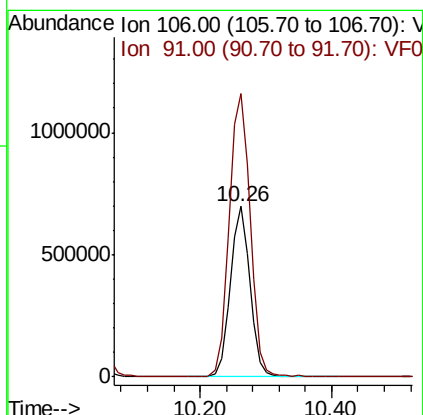
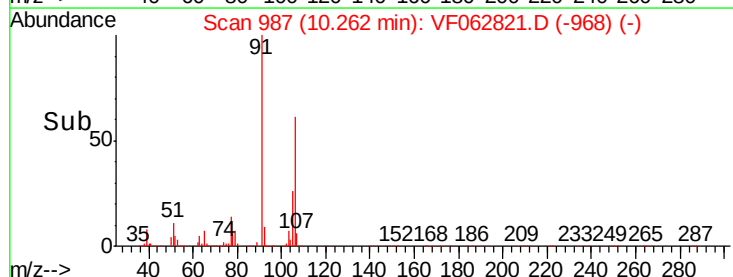
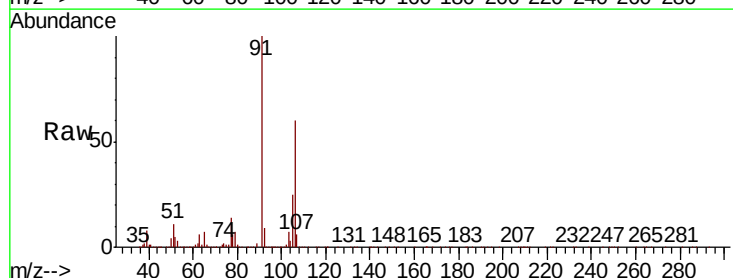
Acq: 3 Jun 2019 10:56

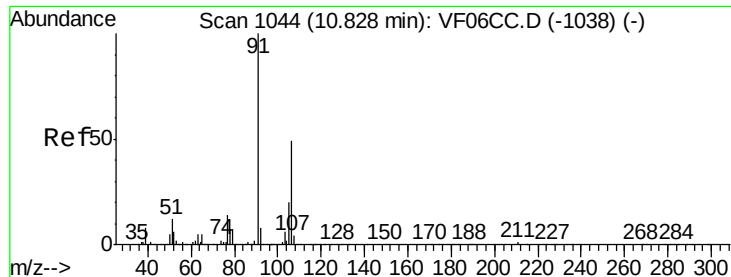
Tgt Ion: 106 Resp: 1461062

Ion Ratio Lower Upper

106 100

91 166.2 136.2 204.4

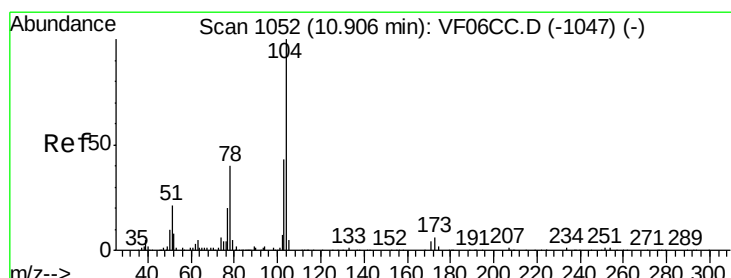
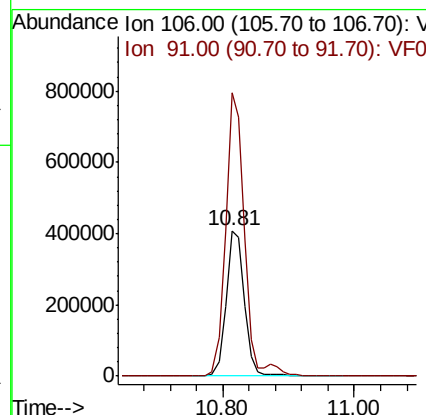
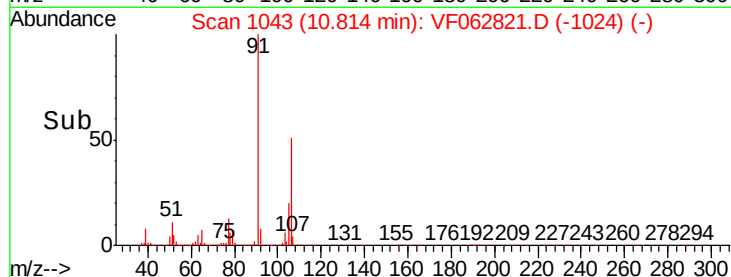
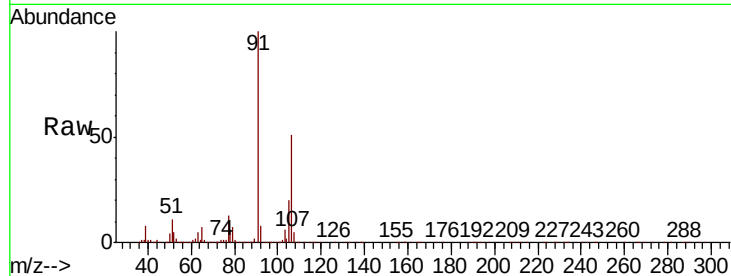




#69
o-Xylene
Concen: 53.708 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

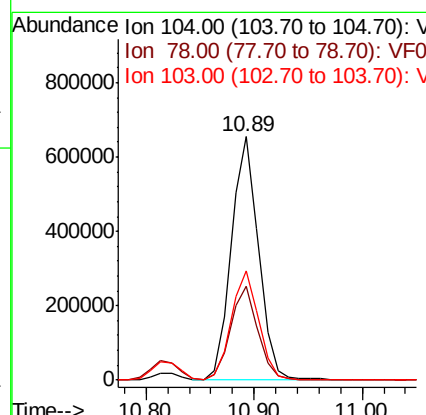
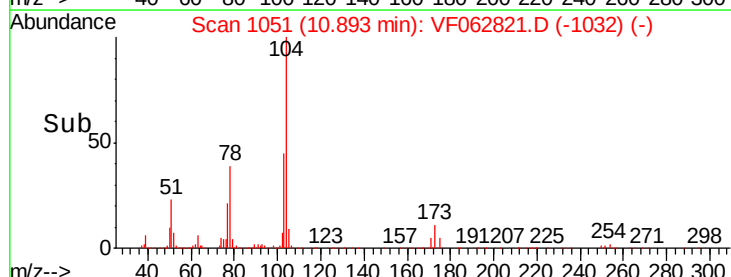
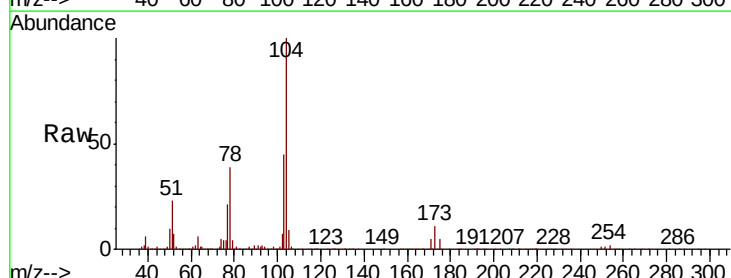
Instrument :
MSVOA_F
ClientSampled :

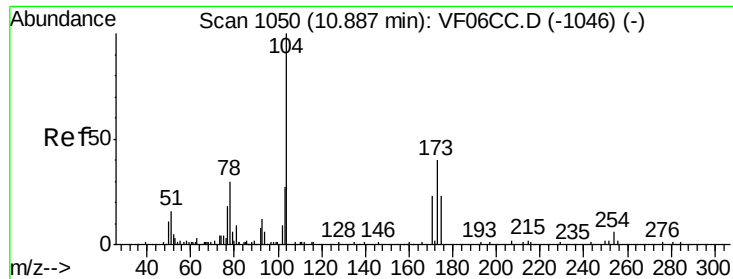
Tot Ion:106 Resp: 782501
Ion Ratio Lower Upper
106 100
91 194.6 96.6 289.8



#70
Styrene
Concen: 52.940 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion:104 Resp: 1136855
Ion Ratio Lower Upper
104 100
78 38.6 30.8 46.2
103 44.7 35.8 53.6





#71

Bromoform

Concen: 54.761 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

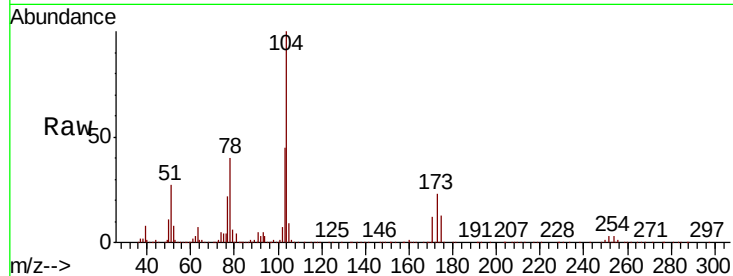
Tot Ion:173 Resp: 229265

Ion Ratio Lower Upper

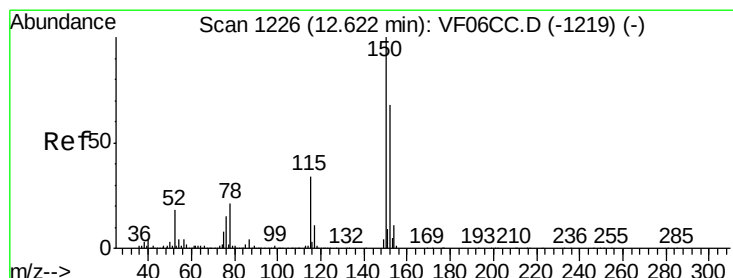
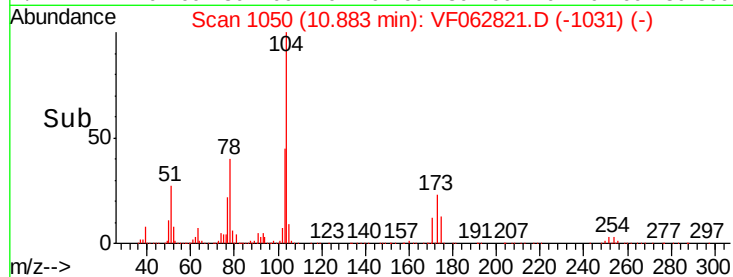
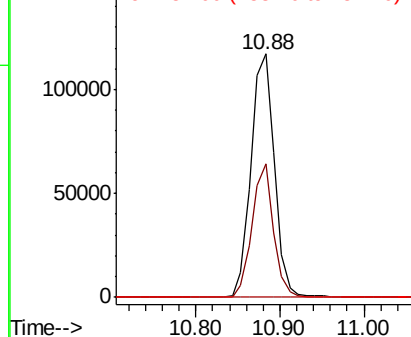
173 100

175 54.7 24.6 74.0

254 0.3 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

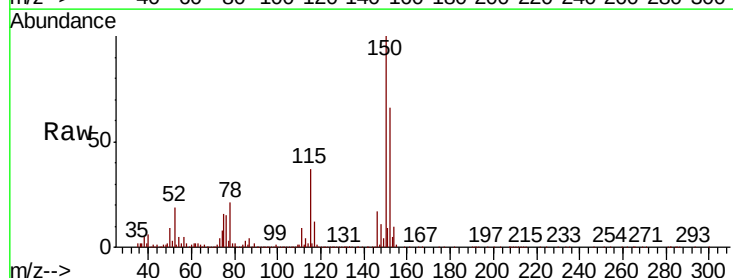
Tgt Ion:152 Resp: 587485

Ion Ratio Lower Upper

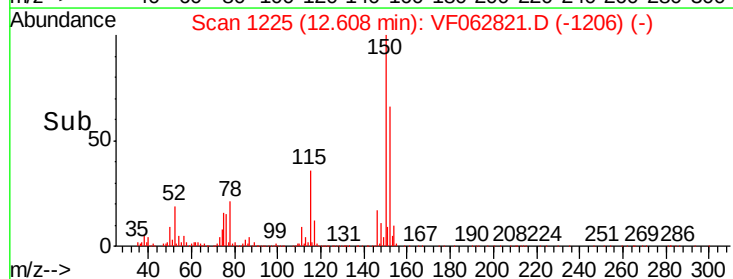
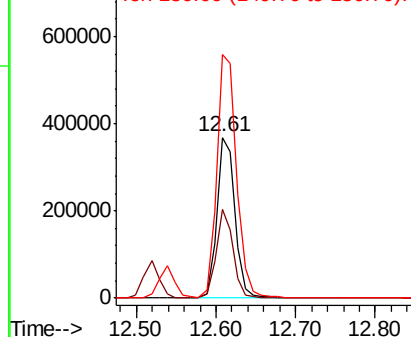
152 100

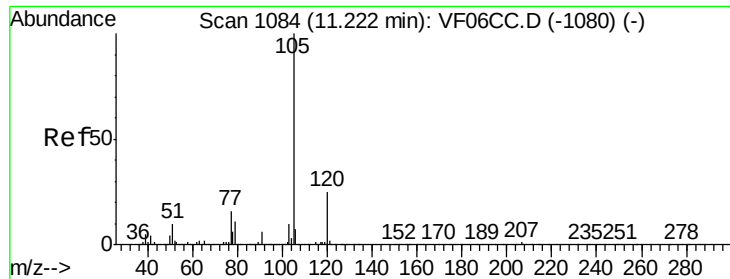
115 55.4 24.6 74.0

150 151.7 0.0 290.6



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: 48.104 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

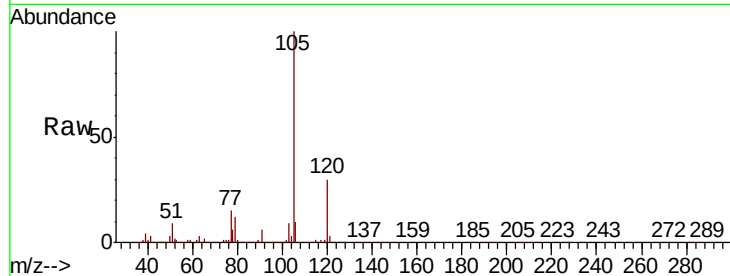
ClientSampleId :

Tot Ion:105 Resp: 1971902

Ion Ratio Lower Upper

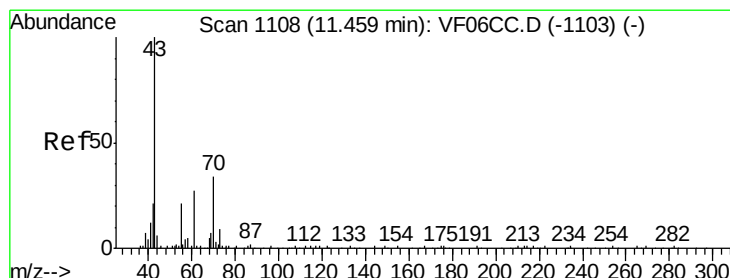
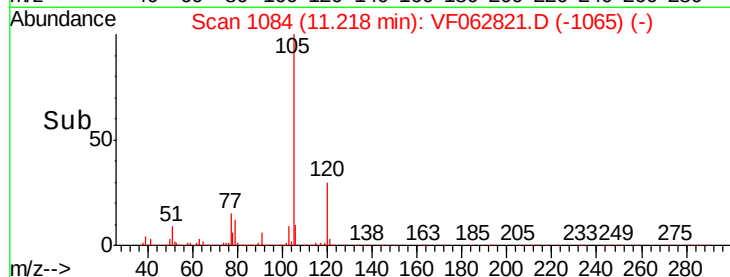
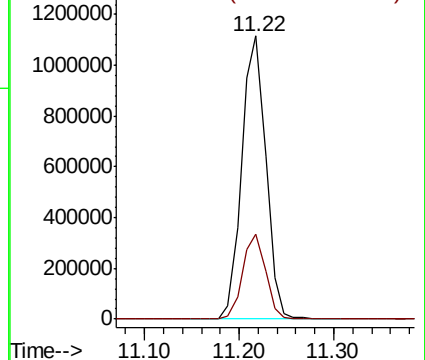
105 100

120 30.0 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.933 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion: 43 Resp: 519132

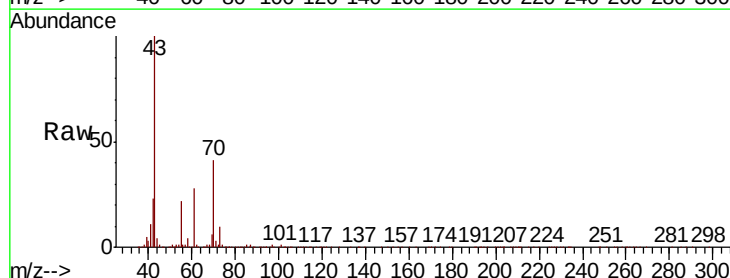
Ion Ratio Lower Upper

43 100

70 40.6 32.9 49.3

55 22.5 17.3 25.9

61 27.5 23.7 35.5

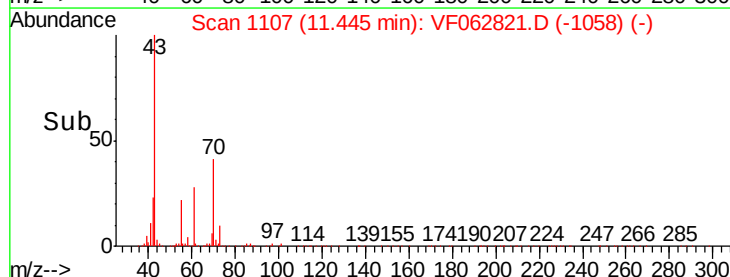
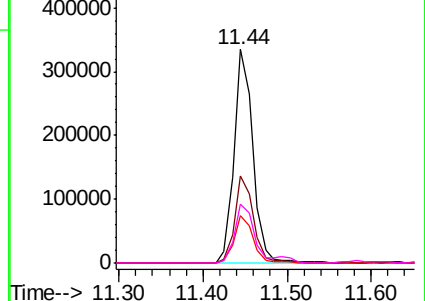


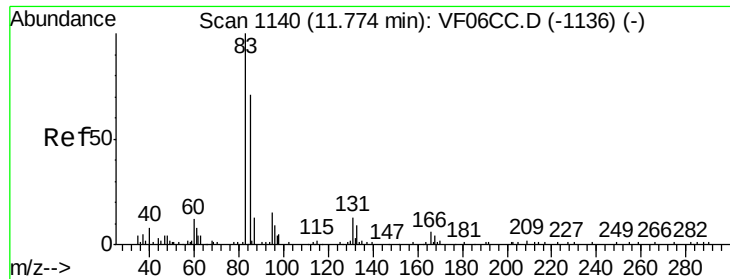
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 45.376 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

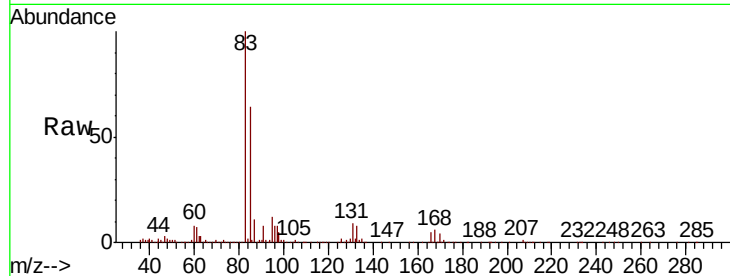
Tot Ion: 83 Resp: 397223

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.9	14.7
85	64.2	32.1	96.5

83 100

131 9.1 4.9 14.7

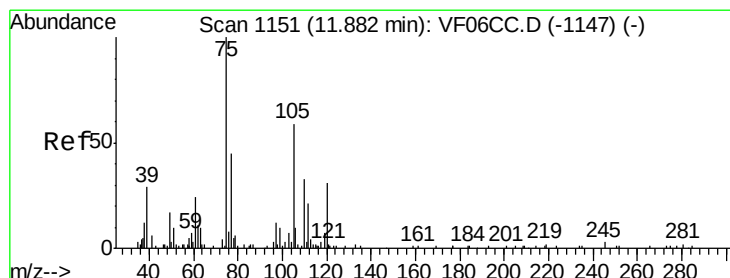
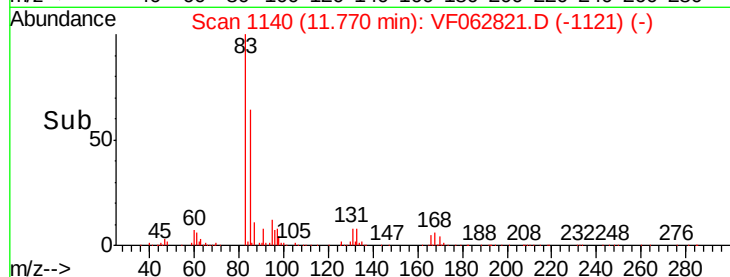
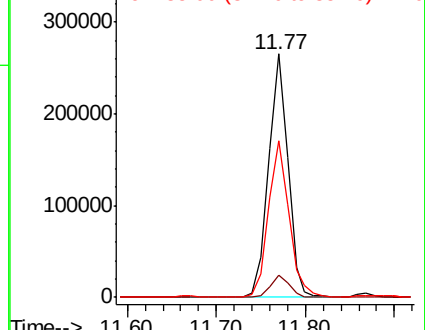
85 64.2 32.1 96.5



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: 43.808 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062821.D

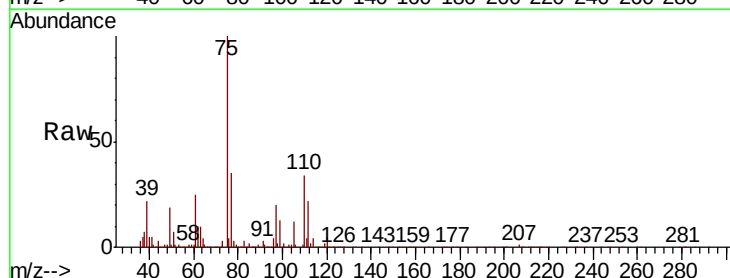
Acq: 3 Jun 2019 10:56

Tgt Ion: 75 Resp: 254205

Ion	Ratio	Lower	Upper
75	100		
77	35.2	20.1	60.2

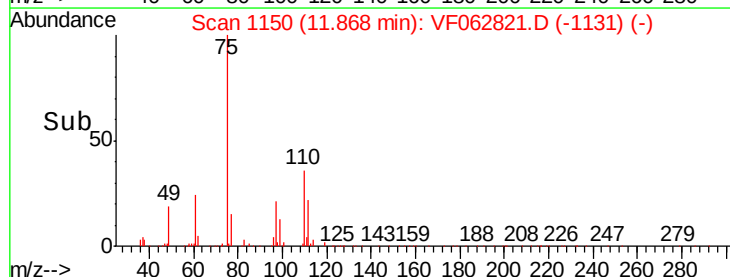
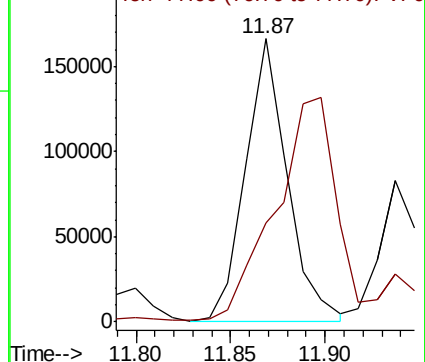
75 100

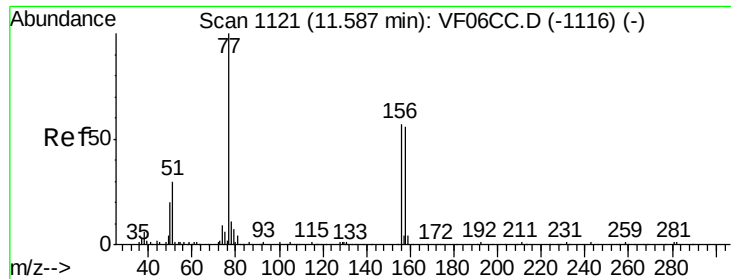
77 35.2 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.154 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

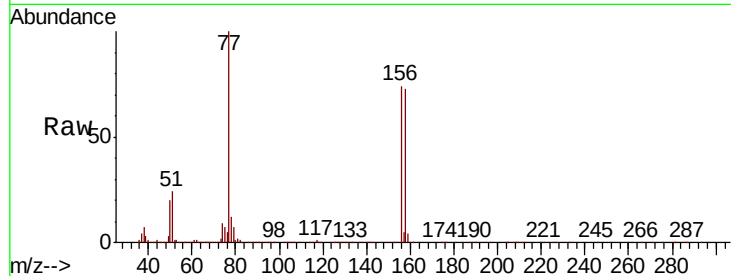
Tot Ion:156 Resp: 485676

Ion Ratio Lower Upper

156 100

77 134.9 64.2 192.6

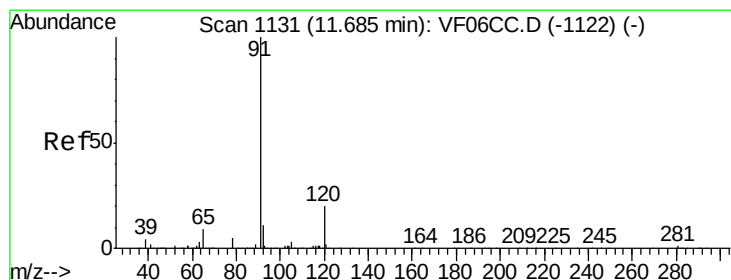
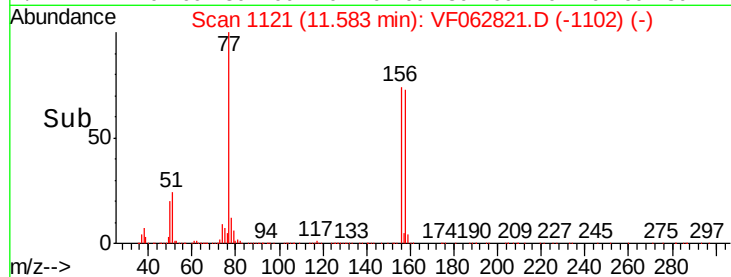
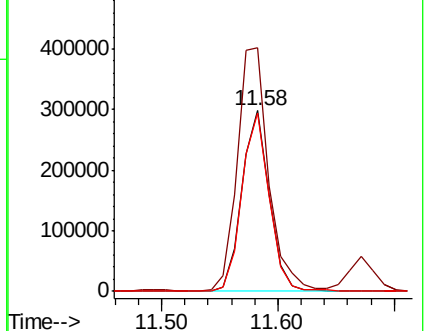
158 98.8 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 45.341 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062821.D

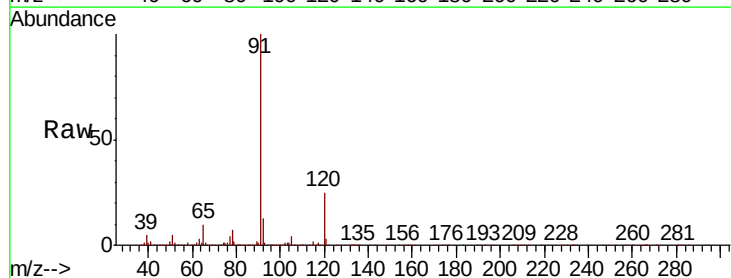
Acq: 3 Jun 2019 10:56

Tgt Ion: 91 Resp: 2244191

Ion Ratio Lower Upper

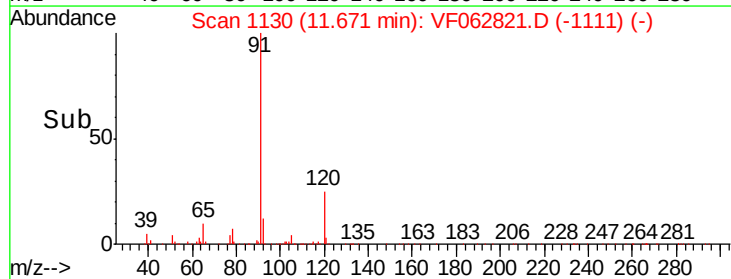
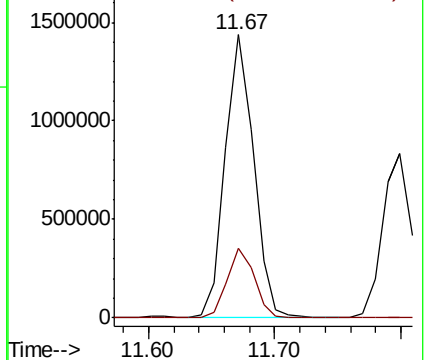
91 100

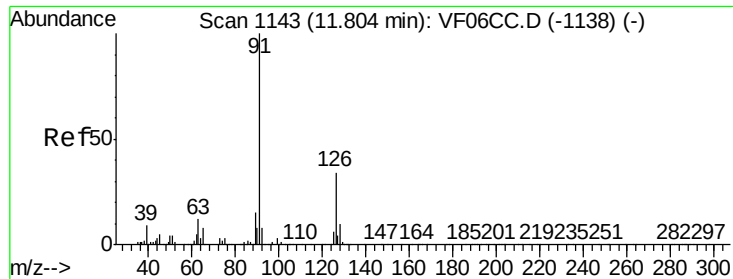
120 24.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

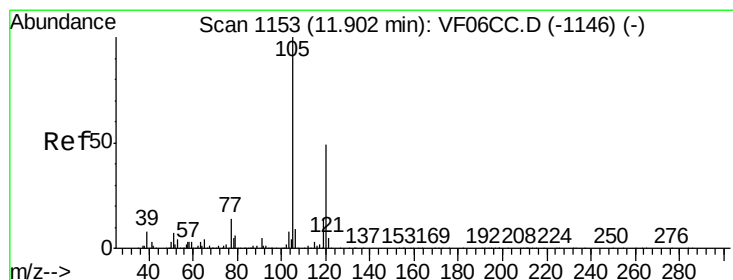
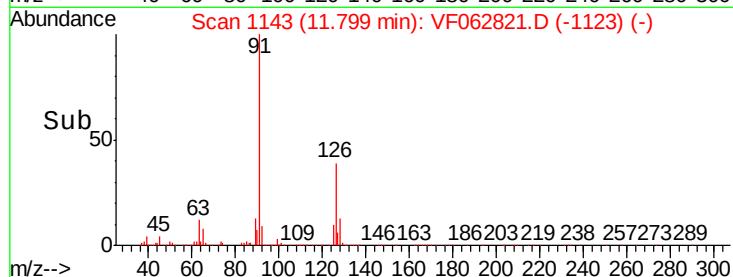
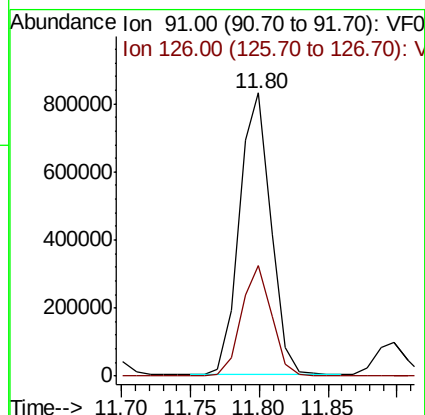
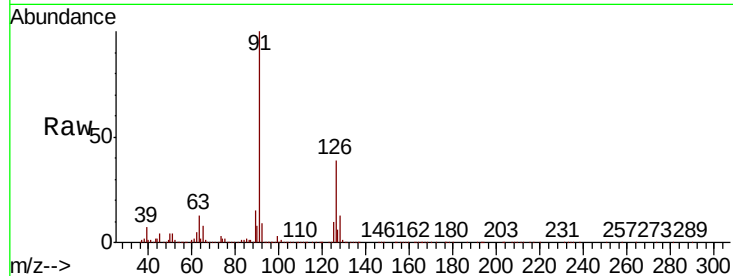




#79
 2-Chlorotoluene
 Concen: 46.694 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

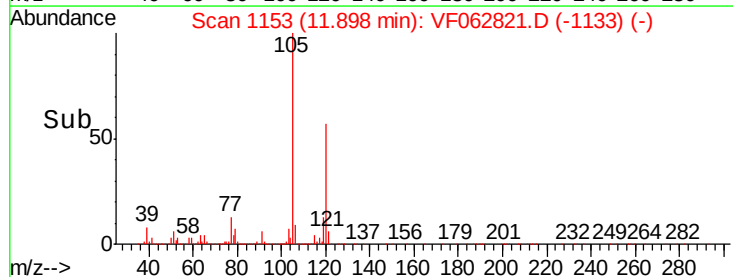
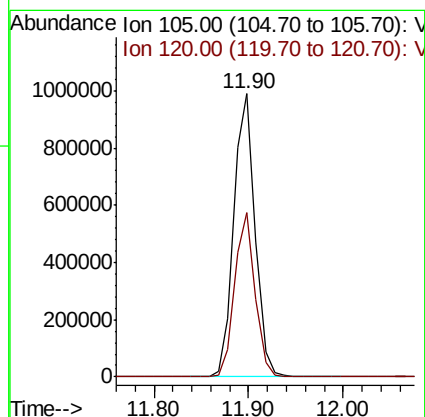
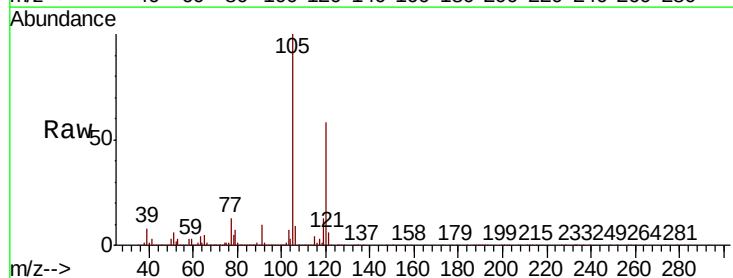
Instrument :
 MSVOA_F
 ClientSampleId :

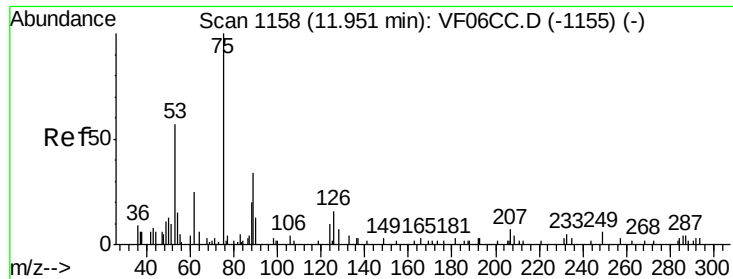
Tot Ion: 91 Resp: 1322430
 Ion Ratio Lower Upper
 91 100
 126 39.1 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 45.885 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion: 105 Resp: 1538202
 Ion Ratio Lower Upper
 105 100
 120 58.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 63.899 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

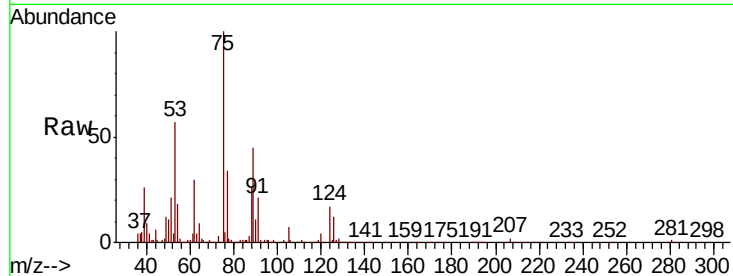
Tot Ion: 75 Resp: 156979

Ion Ratio Lower Upper

75 100

53 56.8 43.5 65.3

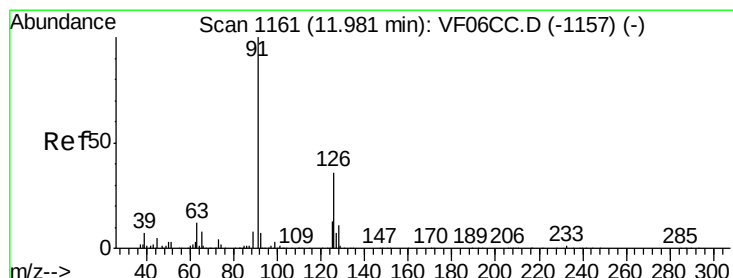
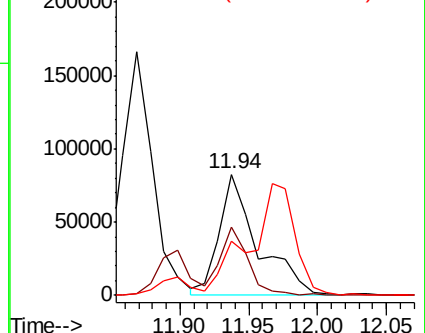
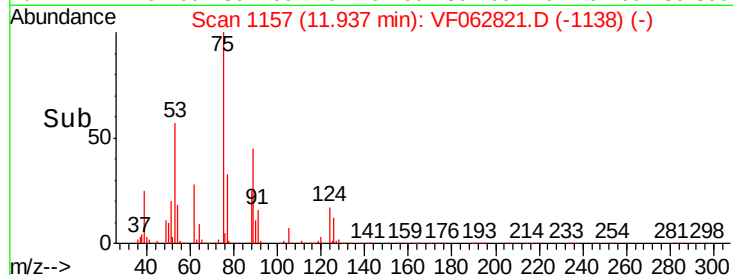
89 44.9 34.3 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.029 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062821.D

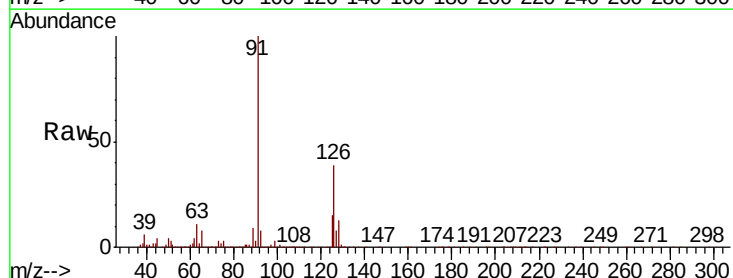
Acq: 3 Jun 2019 10:56

Tgt Ion: 91 Resp: 1308935

Ion Ratio Lower Upper

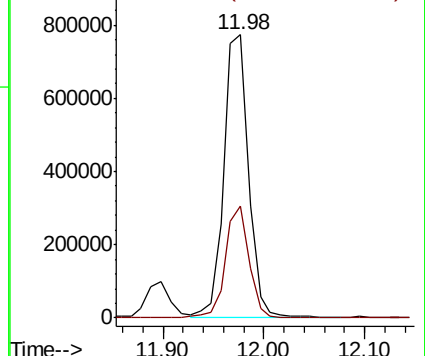
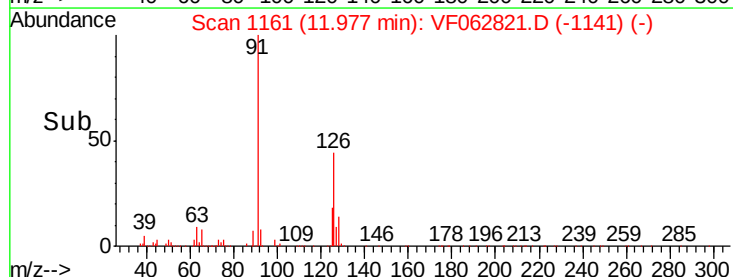
91 100

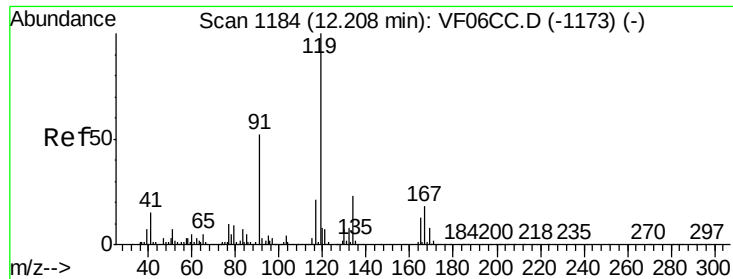
126 39.5 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 49.618 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

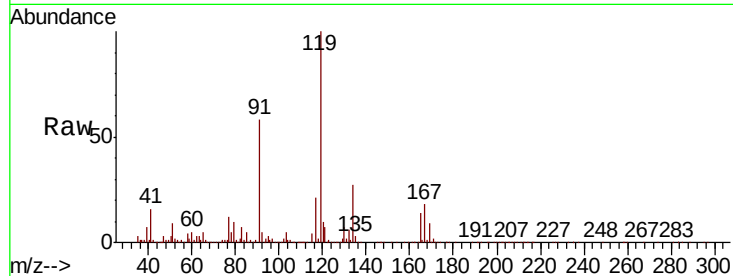
Tot Ion:119 Resp: 1648174

Ion Ratio Lower Upper

119 100

91 57.5 28.9 86.7

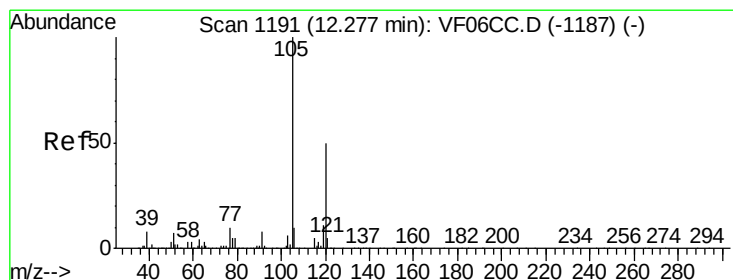
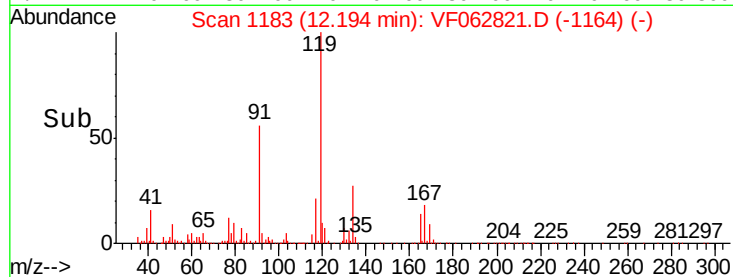
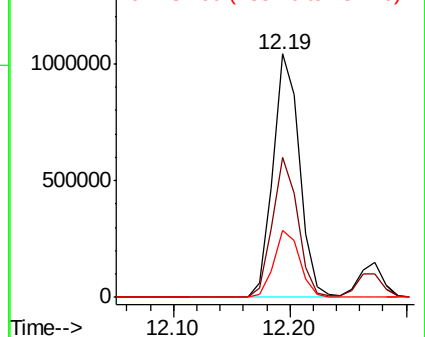
134 27.3 14.3 42.9



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: 50.718 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062821.D

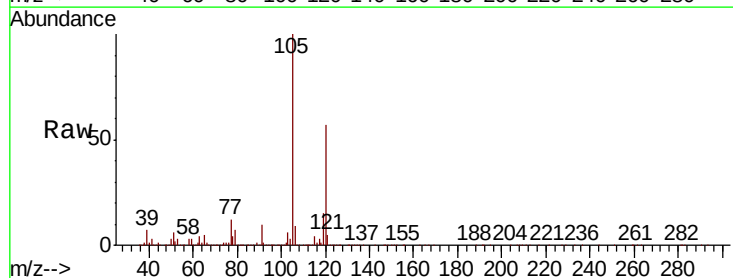
Acq: 3 Jun 2019 10:56

Tgt Ion:105 Resp: 1612051

Ion Ratio Lower Upper

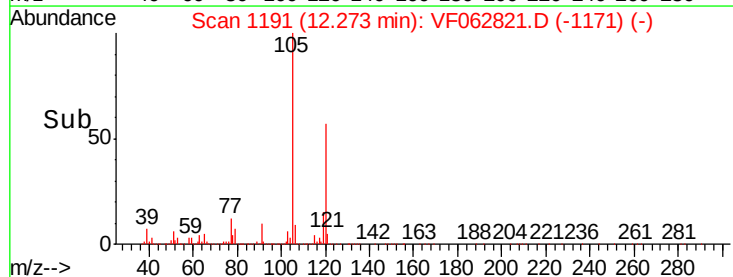
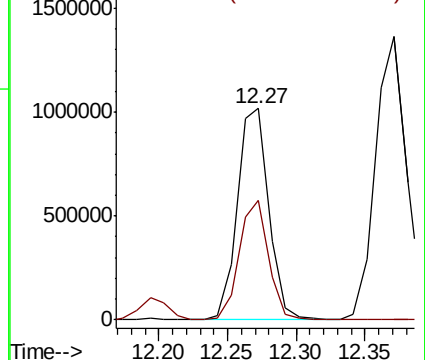
105 100

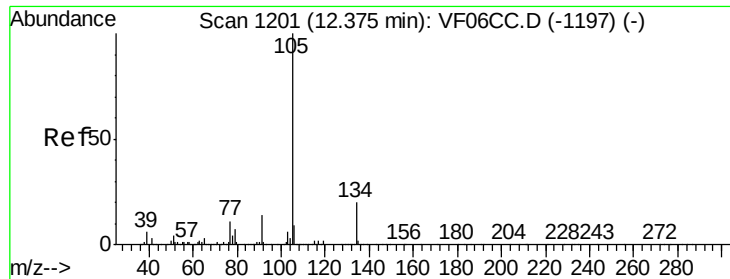
120 56.8 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.733 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

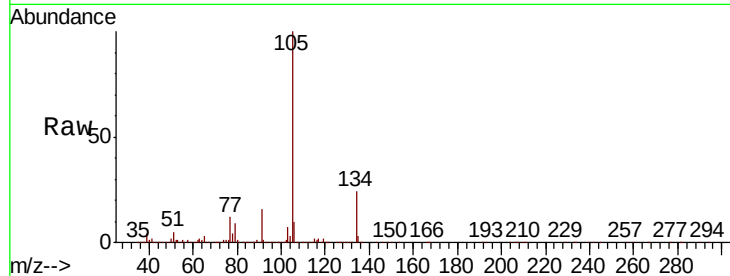
ClientSampleId :

Tot Ion:105 Resp: 2133058

Ion Ratio Lower Upper

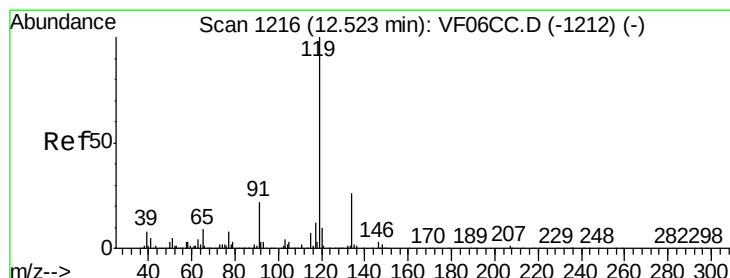
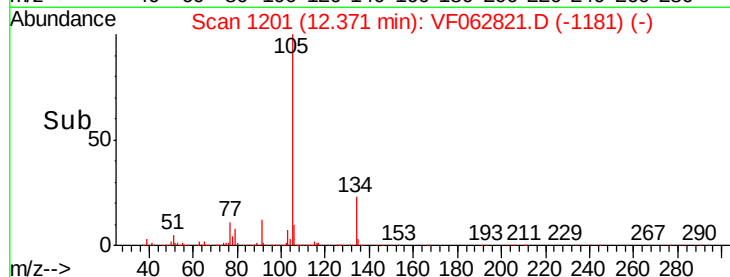
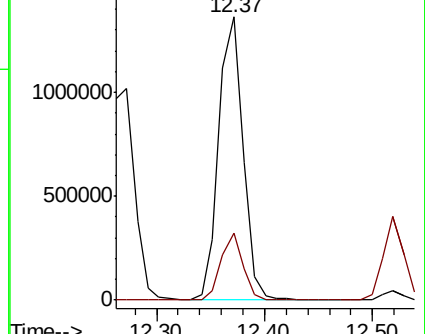
105 100

134 23.9 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.684 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

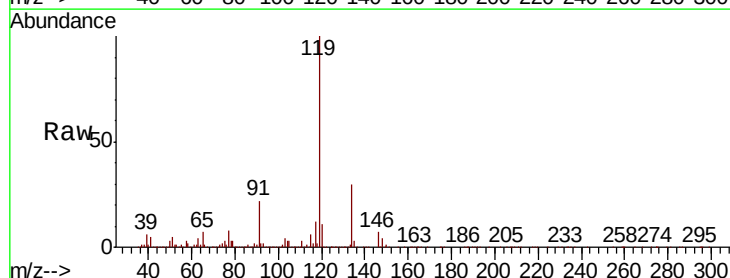
Tgt Ion:119 Resp: 1882959

Ion Ratio Lower Upper

119 100

134 29.9 15.5 46.5

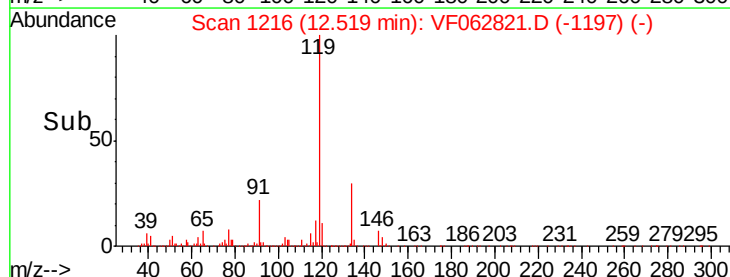
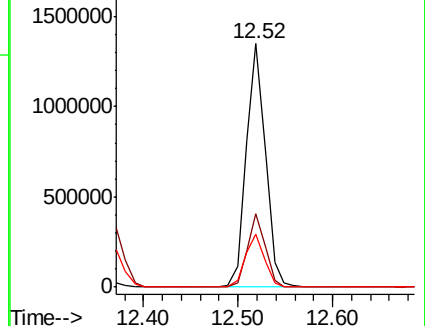
91 21.8 10.3 30.9

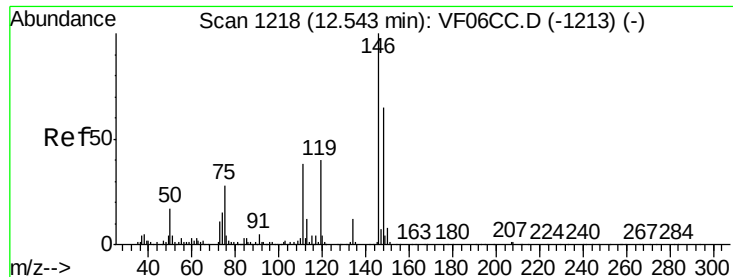


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 52.449 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062821.D

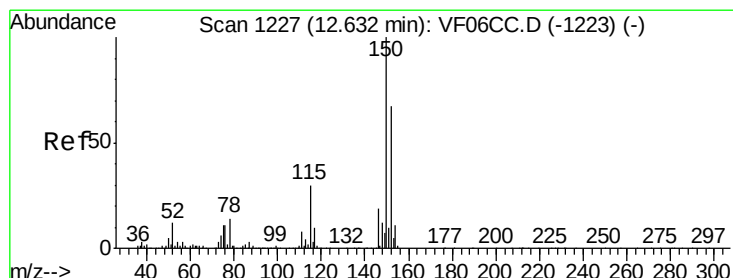
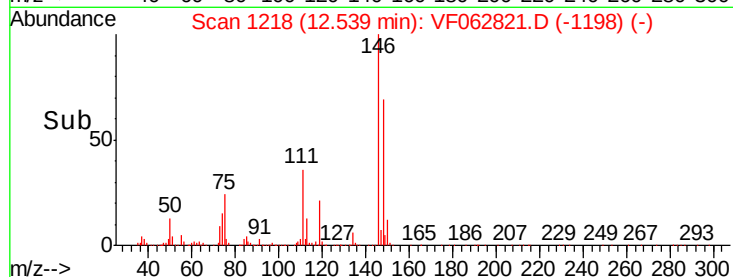
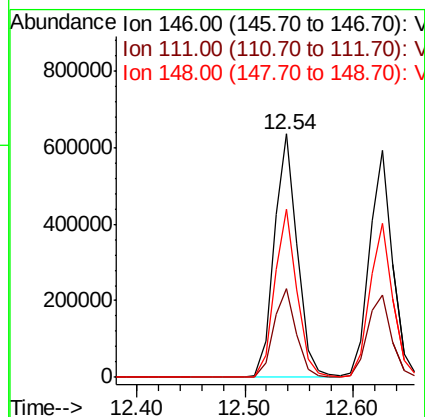
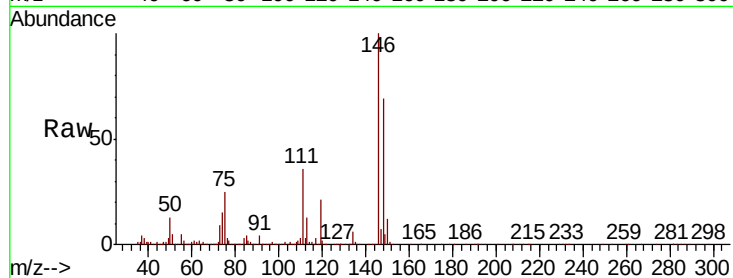
Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:146	Resp:	952717
Ion	Ratio	Lower Upper
146	100	
111	36.3	19.6 58.8
148	68.9	34.2 102.5



#88

1,4-Dichlorobenzene

Concen: 52.116 ug/l

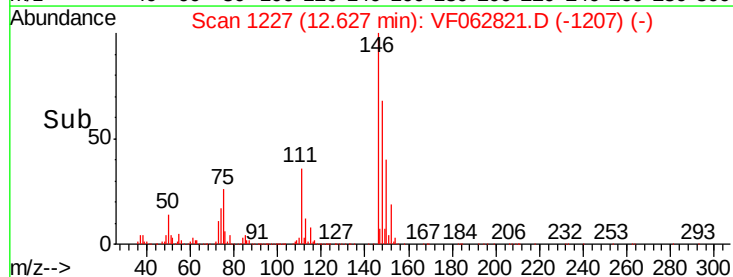
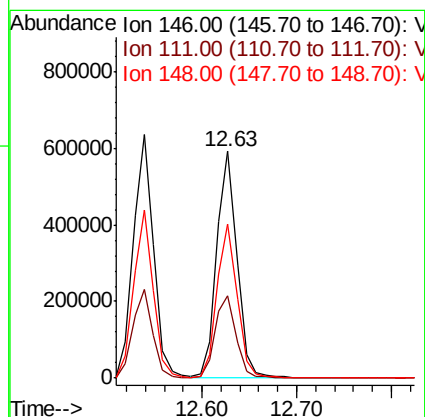
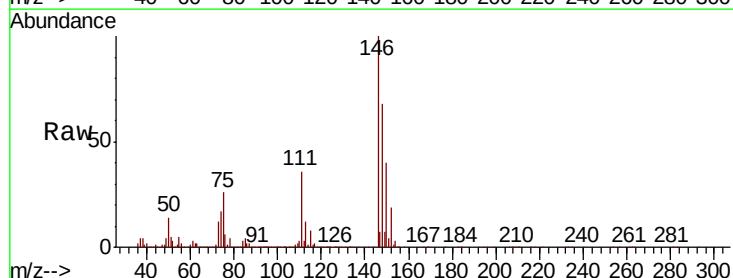
RT: 12.63 min Scan# 1227

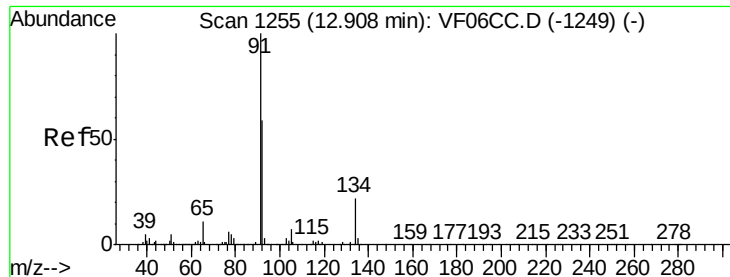
Delta R.T. -0.01 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Tgt Ion:146	Resp:	883471
Ion	Ratio	Lower Upper
146	100	
111	36.4	20.3 60.9
148	67.9	34.0 101.8

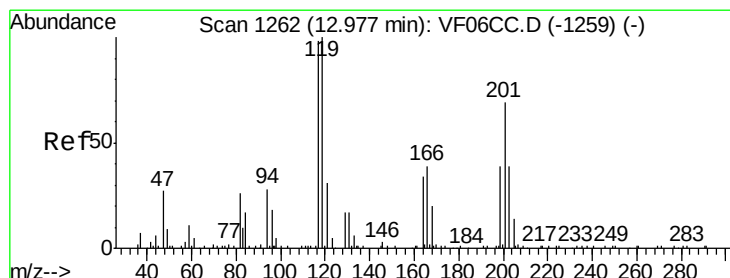
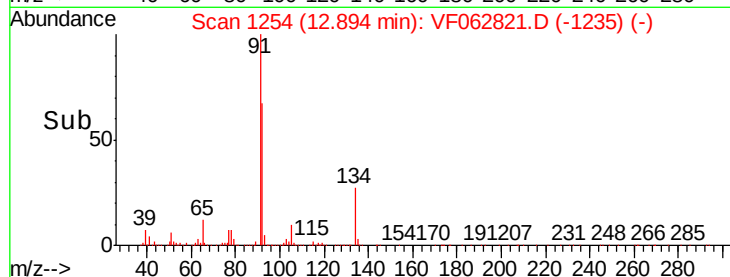
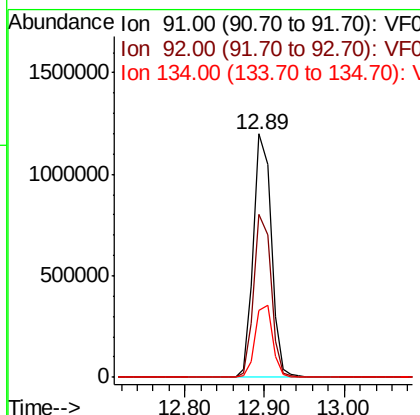
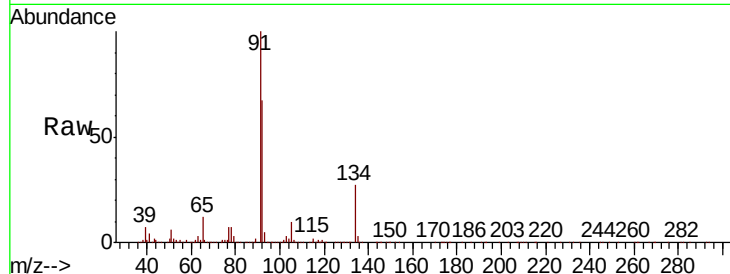




#89
n-Butylbenzene
Concen: 50.104 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

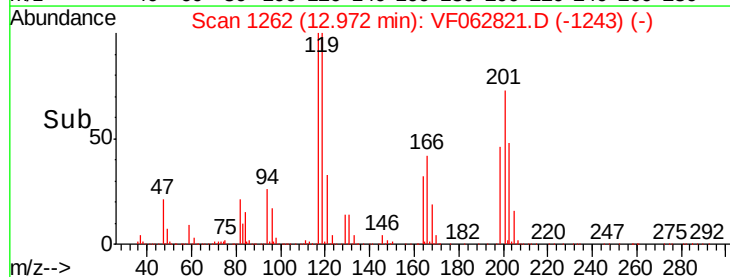
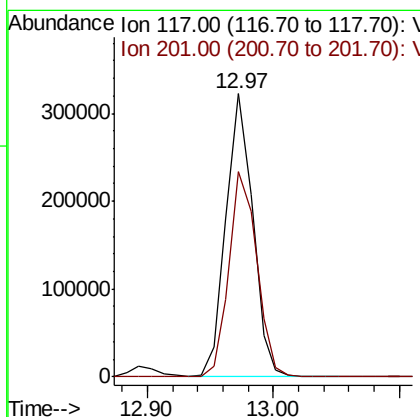
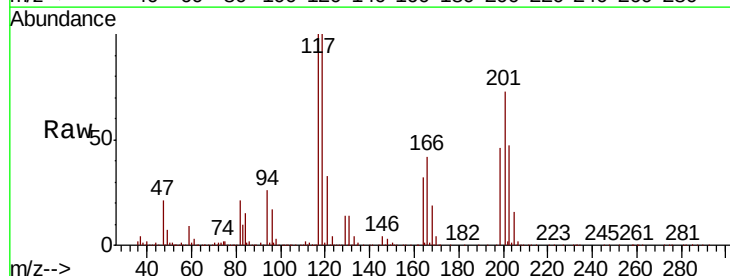
Instrument :
MSVOA_F
ClientSampleId :

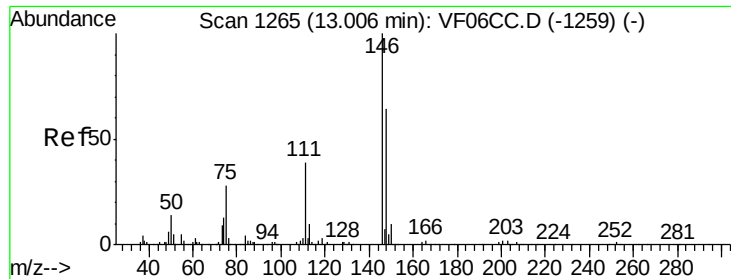
Tot Ion: 91 Resp: 1836204
Ion Ratio Lower Upper
91 100
92 67.1 34.2 102.6
134 27.5 15.8 47.3



#90
Hexachloroethane
Concen: 53.442 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion: 117 Resp: 474868
Ion Ratio Lower Upper
117 100
201 72.6 38.9 116.7

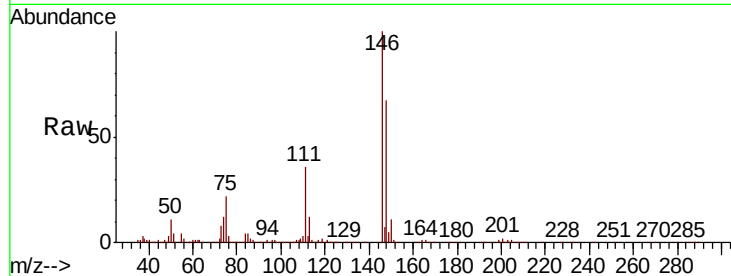




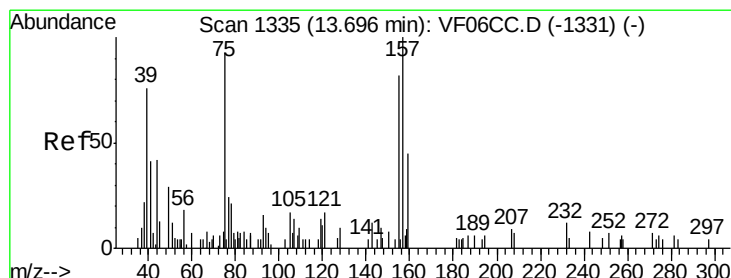
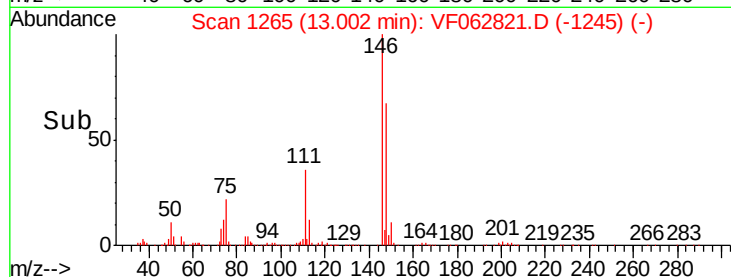
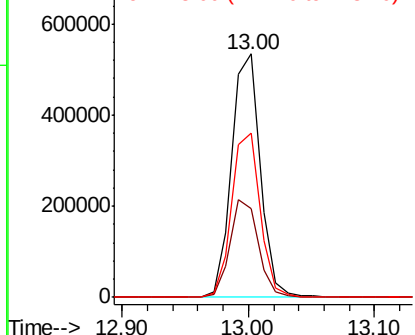
#91
 1,2-Dichlorobenzene
 Concen: 52.448 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:146 Resp: 837378
 Ion Ratio Lower Upper
 146 100
 111 36.3 20.4 61.3
 148 67.2 34.1 102.3

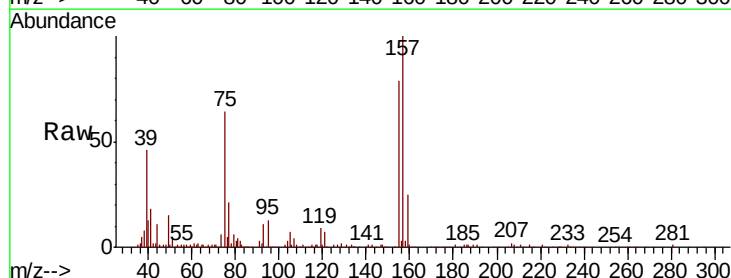


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

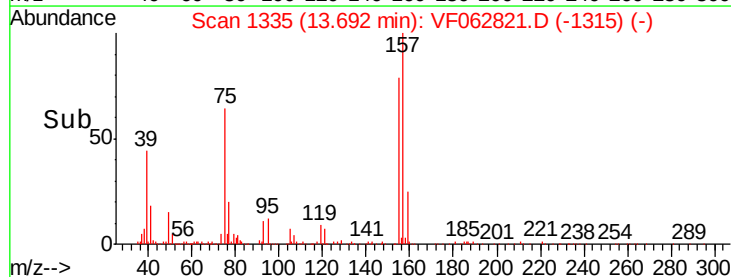
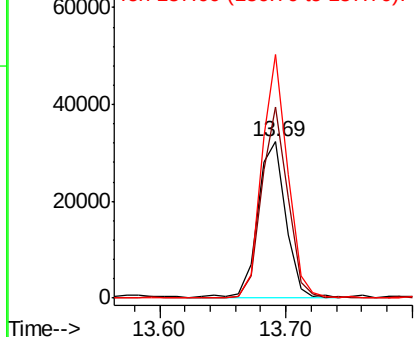


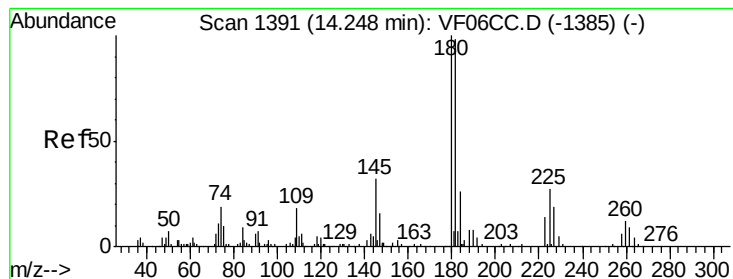
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.831 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062821.D
 Acq: 3 Jun 2019 10:56

Tgt Ion: 75 Resp: 50386
 Ion Ratio Lower Upper
 75 100
 155 122.5 51.7 155.1
 157 155.7 66.8 200.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 53.454 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

Instrument :

MSVOA_F

ClientSampled :

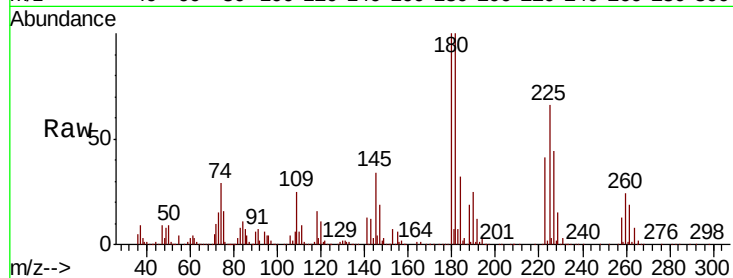
Tot Ion:180 Resp: 585978

Ion Ratio Lower Upper

180 100

182 100.2 50.3 150.9

145 33.7 15.4 46.2

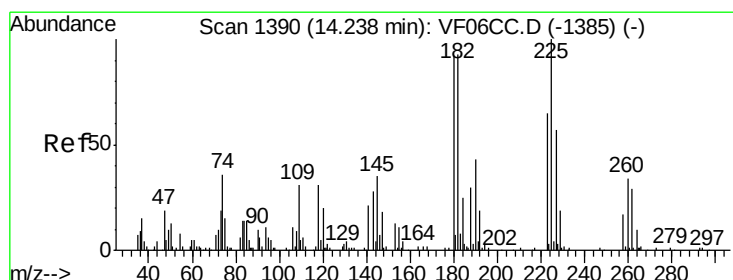
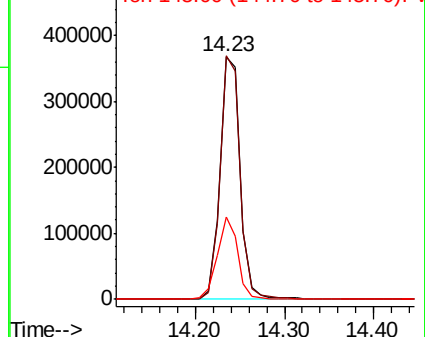
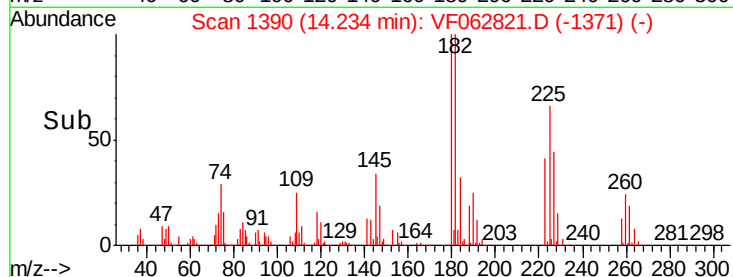


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 56.292 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VF062821.D

Acq: 3 Jun 2019 10:56

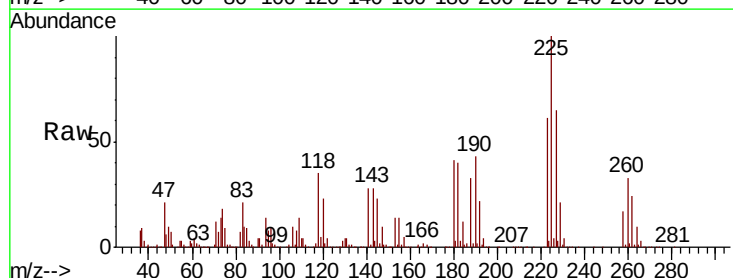
Tgt Ion:225 Resp: 426904

Ion Ratio Lower Upper

225 100

223 60.6 30.8 92.4

227 65.3 31.9 95.5

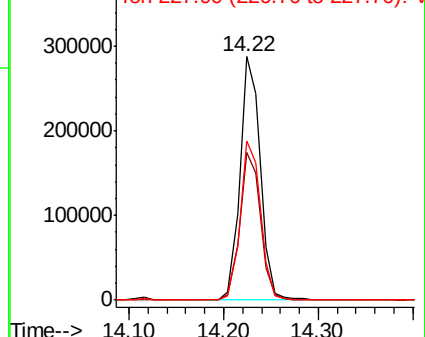
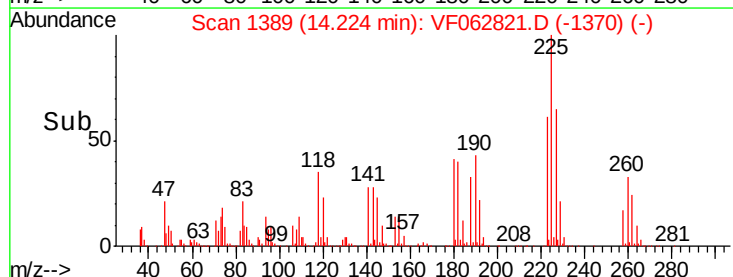


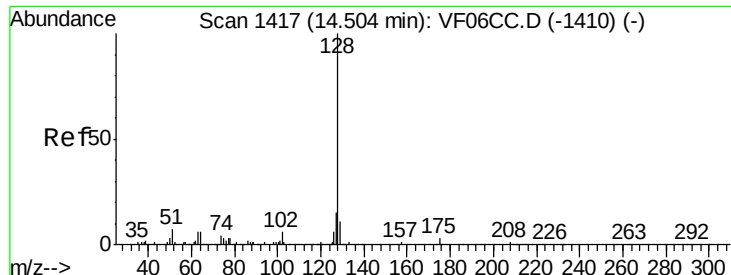
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

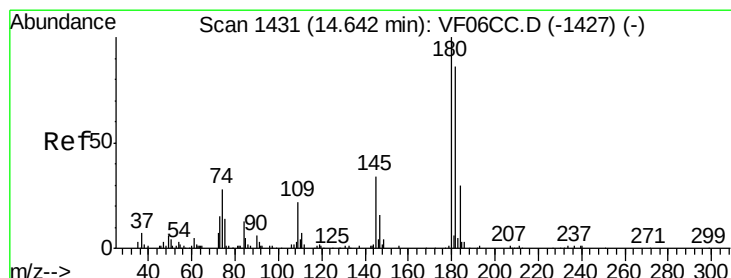
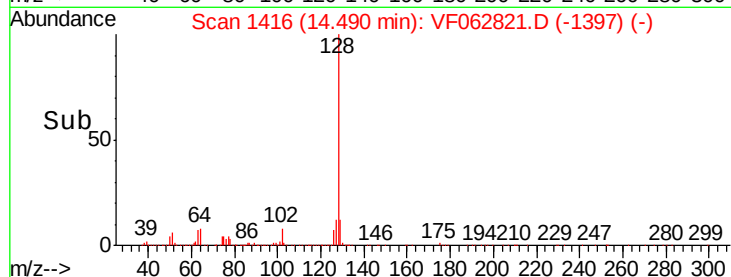
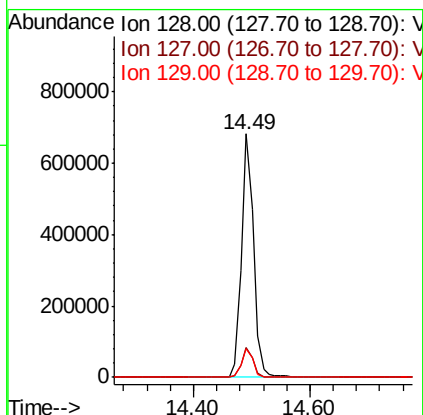
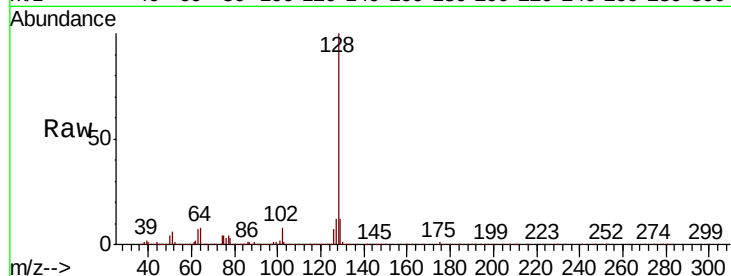




#95
Naphthalene
Concen: 54.672 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.7	14.5
129	11.8	9.4	14.2



#96
1,2,3-Trichlorobenzene
Concen: 54.074 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062821.D
Acq: 3 Jun 2019 10:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.6	145.9
145	29.4	15.7	47.0

