

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062923.D
 Acq On : 12 Jun 2019 13:13
 Operator : FY/SY
 Sample : VF0612SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:29:48 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	5.04	168	785750	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1249971	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	959601	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	429020	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	270210	49.73	ug/l	-0.03
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	4.30	113	504118	53.37	ug/l	-0.03
Spiked Amount			Recovery	=	106.74%	
50) Toluene-d8	7.70	98	1312473	54.95	ug/l	-0.03
Spiked Amount			Recovery	=	109.90%	
62) 4-Bromofluorobenzene	11.49	95	416905	48.52	ug/l	-0.02
Spiked Amount			Recovery	=	97.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	199287	19.815	ug/l	100
3) Chloromethane	1.14	50	148252	18.235	ug/l	95
4) Vinyl Chloride	1.19	62	153065	18.945	ug/l	94
5) Bromomethane	1.41	94	87959	19.090	ug/l	98
6) Chloroethane	1.44	64	55881	18.499	ug/l	90
7) Trichlorofluoromethane	1.55	101	175057	15.305	ug/l	95
8) Diethyl Ether	1.71	74	39971	17.763	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.93	101	136747	19.017	ug/l	93
10) Methyl Iodide	1.99	142	224595	15.577	ug/l	98
11) Tert butyl alcohol	2.71	59	29860	90.717	ug/l #	89
12) 1,1-Dichloroethene	1.88	96	121220	18.565	ug/l	97
13) Acrolein	2.10	56	12074	86.468	ug/l #	66
14) Allyl chloride	2.19	41	90488	17.863	ug/l	96
15) Acrylonitrile	3.10	53	112613	91.049	ug/l	94
16) Acetone	2.34	43	113979	91.652	ug/l	97
17) Carbon Disulfide	1.92	76	271692	14.236	ug/l	99
18) Methyl Acetate	2.46	43	41201	18.959	ug/l #	82
19) Methyl tert-butyl Ether	2.55	73	226659	19.160	ug/l	97
20) Methylene Chloride	2.34	84	100186	13.934	ug/l	92
21) trans-1,2-Dichloroethene	2.42	96	125575	19.181	ug/l	93
22) Diisopropyl ether	2.93	45	273926	19.033	ug/l	93
23) Vinyl Acetate	3.35	43	929728	94.361	ug/l	99
24) 1,1-Dichloroethane	3.01	63	202387	18.834	ug/l	100
25) 2-Butanone	4.52	43	279582	96.538	ug/l	99
26) 2,2-Dichloropropane	3.76	77	127188	20.846	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	217661	19.778	ug/l	97
28) Bromochloromethane	3.90	49	110221	18.857	ug/l	87
29) Tetrahydrofuran	4.26	42	116853	105.494	ug/l	98
30) Chloroform	4.05	83	306088	20.211	ug/l	99
31) Cyclohexane	3.87	56	158464	10.892	ug/l	90
32) 1,1,1-Trichloroethane	4.28	97	189061	21.441	ug/l	90
36) 1,1-Dichloropropene	4.47	75	232770	20.228	ug/l	95
37) Ethyl Acetate	4.30	43	100473	22.841	ug/l #	92
38) Carbon Tetrachloride	4.19	117	166779	21.445	ug/l	97

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:29:48 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)
39) Methylcyclohexane	5.62	83	281398	19.648	ug/l	95
40) Benzene	4.82	78	683680	20.414	ug/l	100
41) Methacrylonitrile	4.93	41	49871	20.394	ug/l	92
42) 1,2-Dichloroethane	5.12	62	135143	21.217	ug/l	99
43) Isopropyl Acetate	7.10	43	126172	21.713	ug/l #	90
44) Trichloroethene	5.68	130	193974	20.523	ug/l	97
45) 1,2-Dichloropropane	6.41	63	160338	19.078	ug/l	93
46) Dibromomethane	6.26	93	105338	21.468	ug/l	93
47) Bromodichloromethane	6.54	83	209495	20.964	ug/l	93
48) Methyl methacrylate	6.88	41	56191	18.764	ug/l	93
49) 1,4-Dioxane	6.88	88	17110	433.457	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	443022	106.789	ug/l	99
52) Toluene	7.77	92	407011	22.564	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	188008	22.705	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	276393	23.059	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	118657	22.019	ug/l	94
56) Ethyl methacrylate	8.75	69	112748	19.500	ug/l	95
57) 1,3-Dichloropropane	8.99	76	179391	20.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	257018	127.188	ug/l	97
59) 2-Hexanone	9.62	43	346877	117.308	ug/l	90
60) Dibromochloromethane	8.86	129	135318	20.282	ug/l	100
61) 1,2-Dibromoethane	9.12	107	99061	17.700	ug/l	95
64) Tetrachloroethene	8.31	164	122425	16.602	ug/l #	88
65) Chlorobenzene	9.92	112	377252	20.357	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	142598	19.322	ug/l	93
67) Ethyl Benzene	10.02	91	629247	19.787	ug/l	96
68) m/p-Xylenes	10.26	106	461558	37.929	ug/l	84
69) o-Xylene	10.81	106	234351	19.021	ug/l	94
70) Styrene	10.89	104	322372	17.752	ug/l	97
71) Bromoform	10.87	173	75406	21.298	ug/l #	92
73) Isopropylbenzene	11.20	105	722221	24.126	ug/l	92
74) N-amyl acetate	11.44	43	201736	23.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	140750	22.017	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	98746	23.303	ug/l	89
77) Bromobenzene	11.58	156	155024	20.611	ug/l	94
78) n-propylbenzene	11.67	91	813465	22.506	ug/l	91
79) 2-Chlorotoluene	11.80	91	446424	21.585	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	549227	22.435	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	49785	27.751	ug/l	94
82) 4-Chlorotoluene	11.96	91	445245	21.906	ug/l	93
83) tert-Butylbenzene	12.19	119	549086	22.636	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	522973	22.531	ug/l	89
85) sec-Butylbenzene	12.37	105	700049	21.901	ug/l	98
86) p-Isopropyltoluene	12.51	119	604633	22.726	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	282129	21.269	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	257350	20.788	ug/l	95
89) n-Butylbenzene	12.89	91	651485	24.343	ug/l	87
90) Hexachloroethane	12.97	117	153847	23.709	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	245771	21.079	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17319	24.867	ug/l	70

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Sample : VF0612SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 13 08:29:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

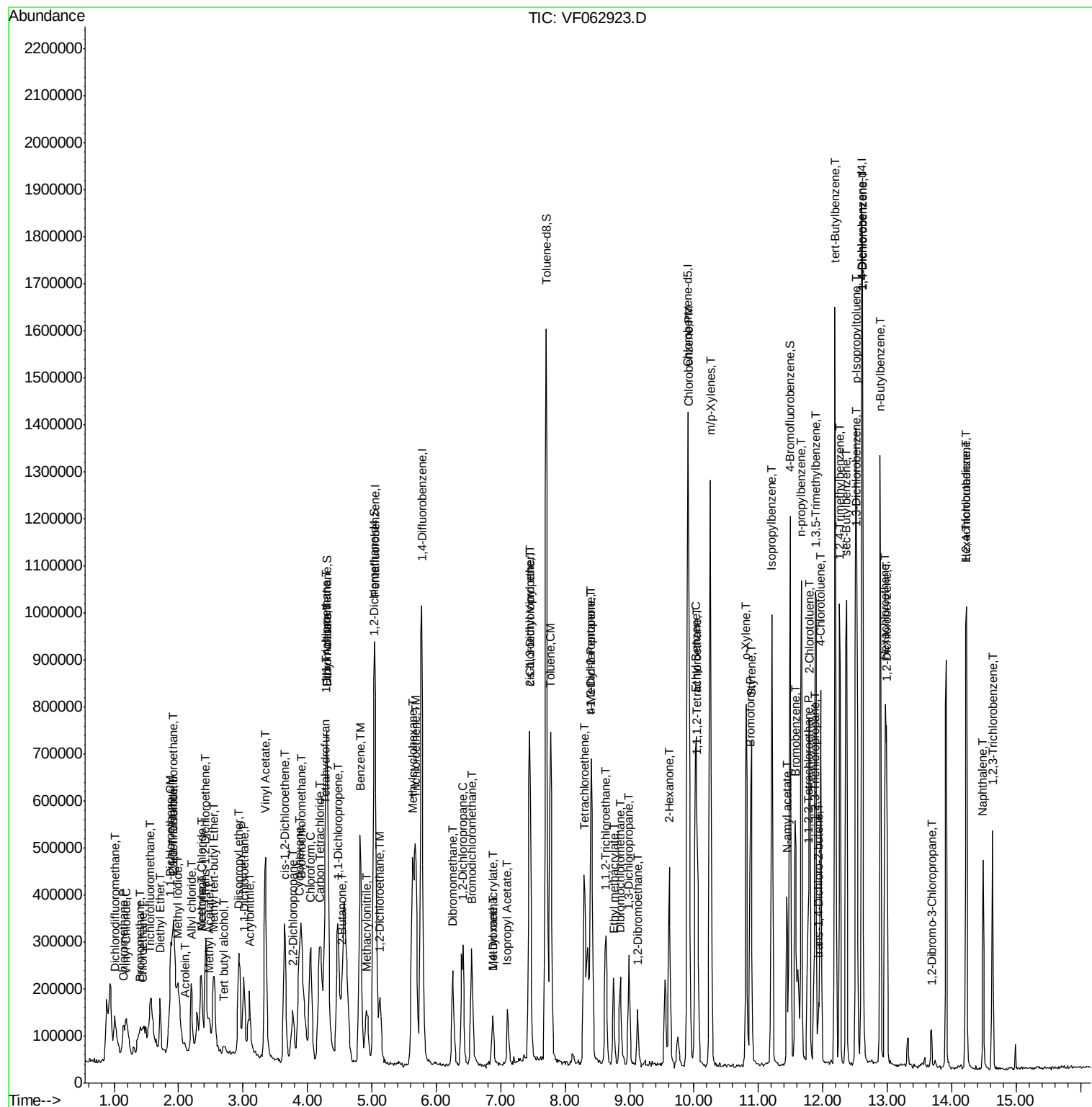
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	168654	21.068	ug/l	98
94) Hexachlorobutadiene	14.22	225	115613	20.876	ug/l	99
95) Naphthalene	14.49	128	284669	21.705	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	155927	21.338	ug/l	97

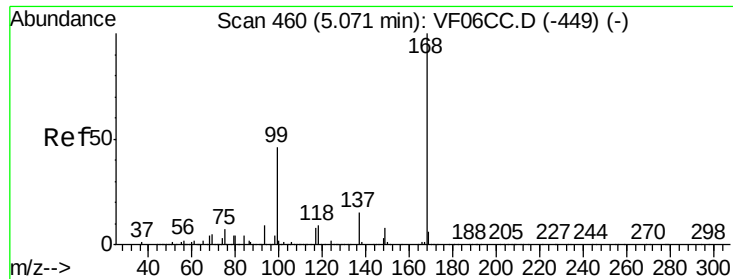
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062923.D
Acq On : 12 Jun 2019 13:13
Operator : FY/SY
Sample : VF0612SBSD01
Misc : 5.00q/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampled :

Quant Time: Jun 13 08:29:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

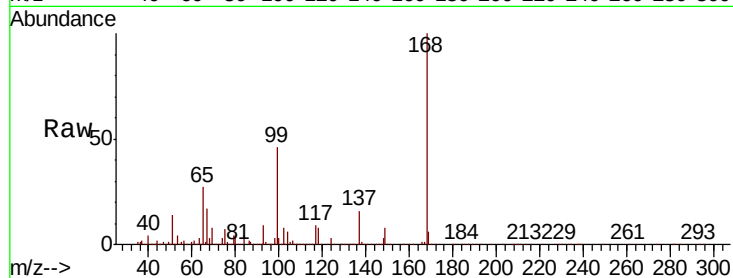
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 785750

Ion Ratio Lower Upper

168 100

99 46.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

250000

200000

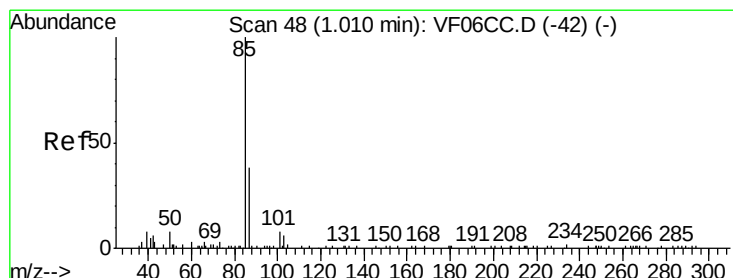
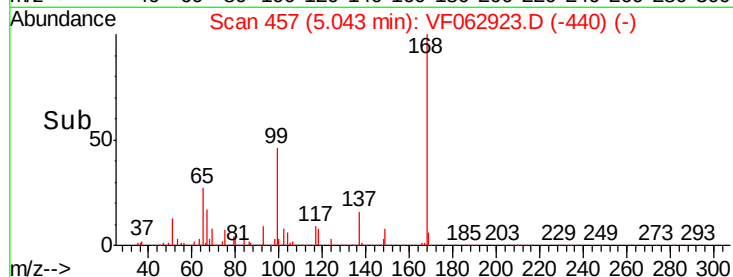
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.815 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062923.D

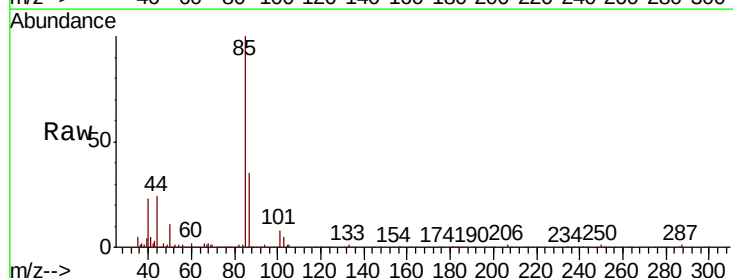
Acq: 12 Jun 2019 13:13

Tgt Ion: 85 Resp: 199287

Ion Ratio Lower Upper

85 100

87 35.1 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

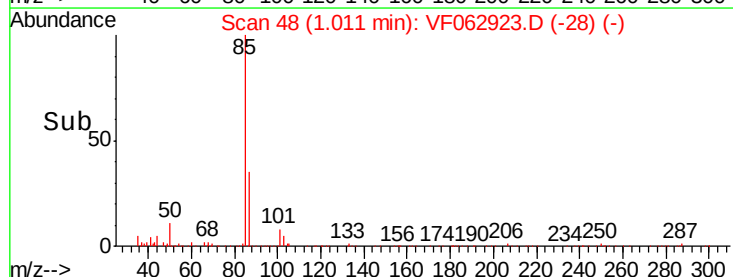
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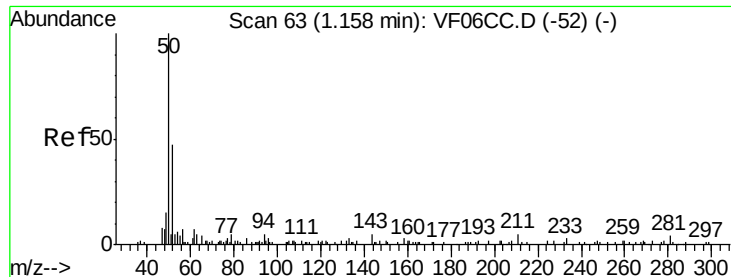
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.235 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

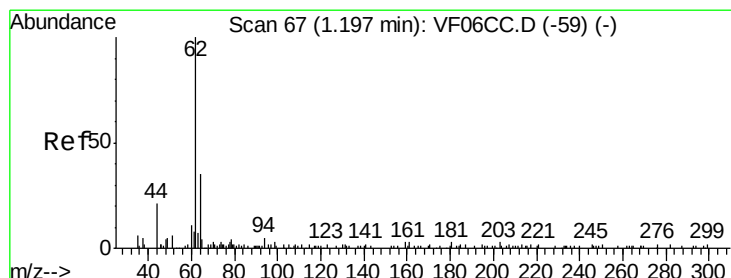
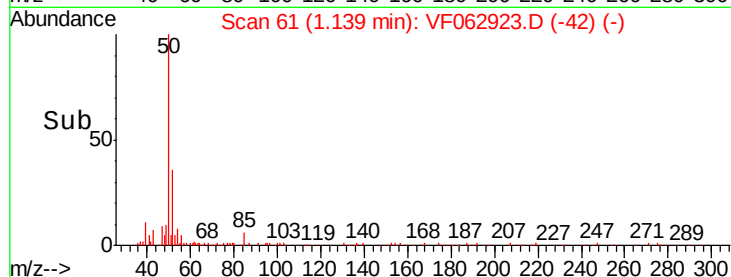
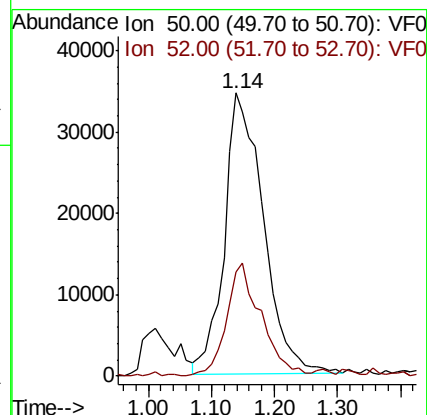
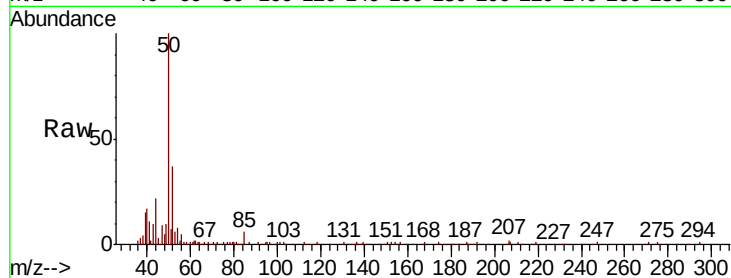
ClientSampleId :

Tot Ion: 50 Resp: 148252

Ion Ratio Lower Upper

50 100

52 36.6 27.0 40.4



#4

Vinyl Chloride

Concen: 18.945 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062923.D

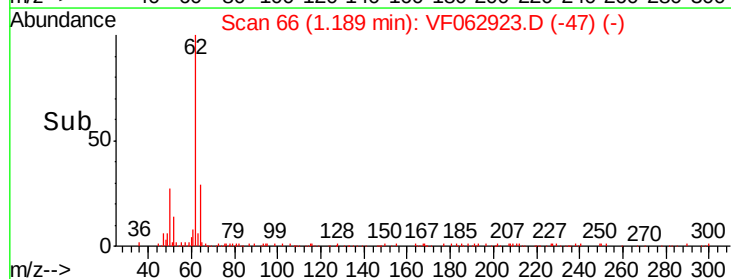
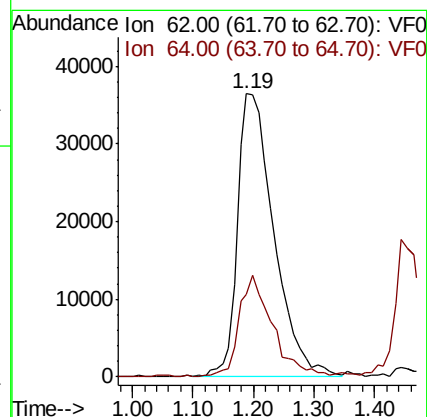
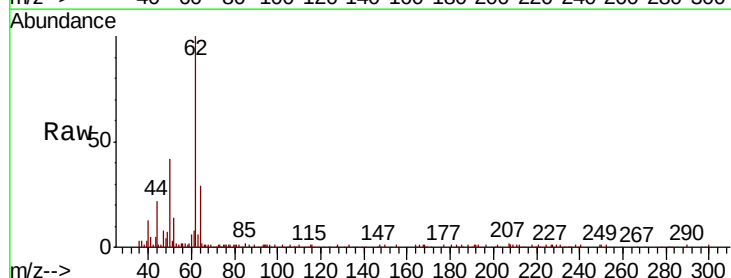
Acq: 12 Jun 2019 13:13

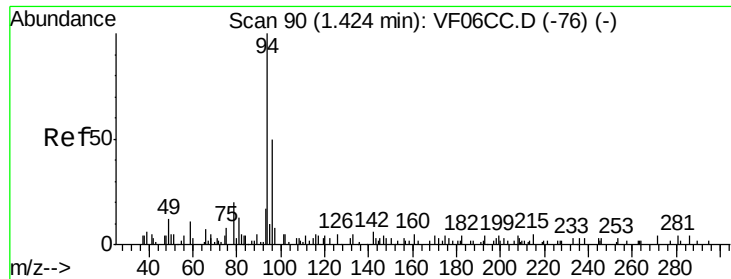
Tgt Ion: 62 Resp: 153065

Ion Ratio Lower Upper

62 100

64 29.3 26.2 39.2

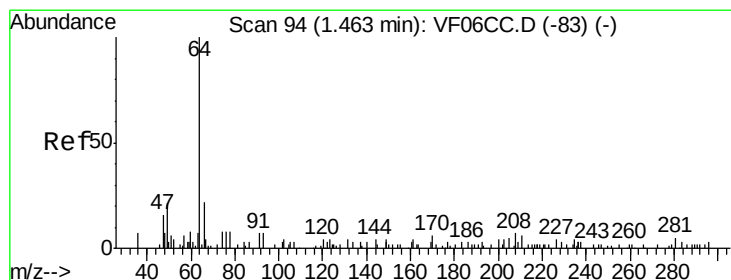
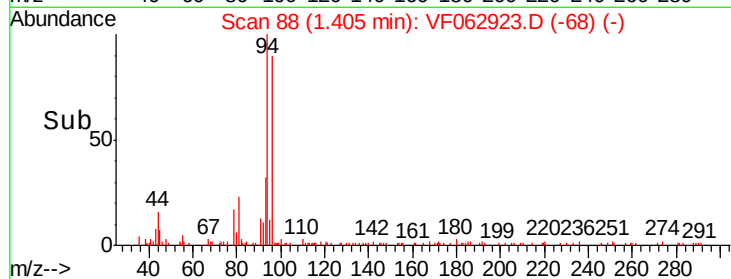
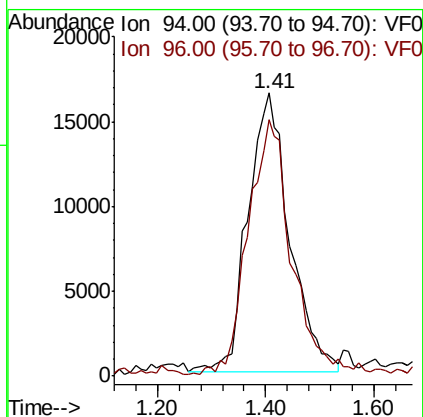
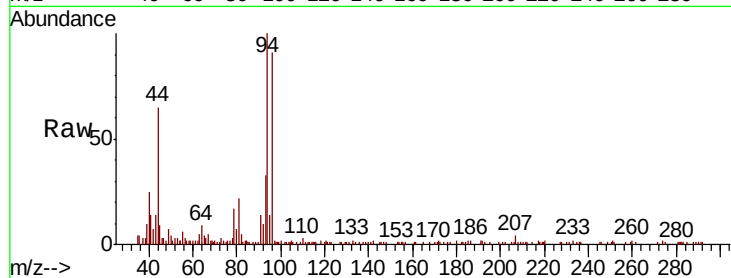




#5
Bromomethane
Concen: 19.090 ug/l
RT: 1.41 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

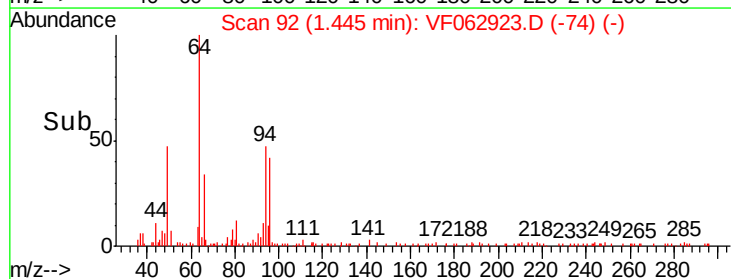
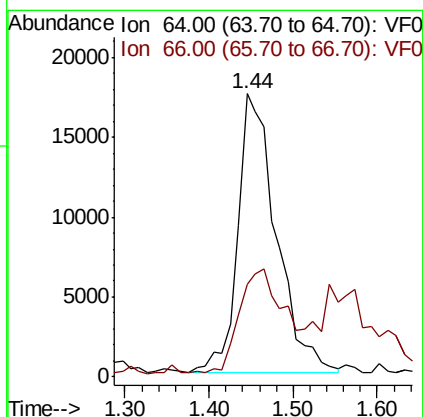
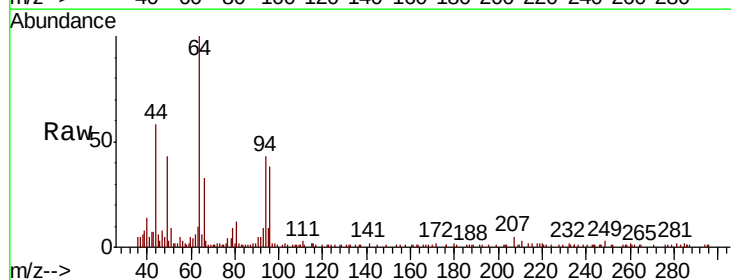
Instrument :
MSVOA_F
ClientSampled :

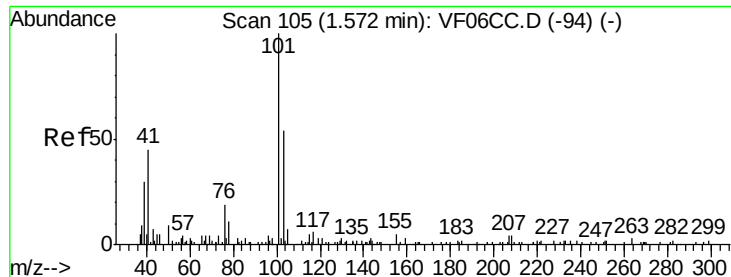
Tot Ion: 94 Resp: 87959
Ion Ratio Lower Upper
94 100
96 90.7 73.8 110.6



#6
Chloroethane
Concen: 18.499 ug/l
RT: 1.44 min Scan# 92
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 64 Resp: 55881
Ion Ratio Lower Upper
64 100
66 32.8 31.0 46.4



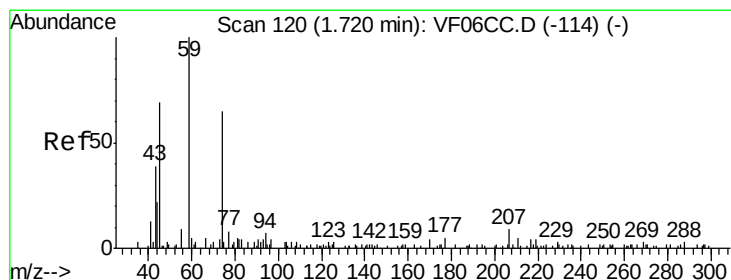
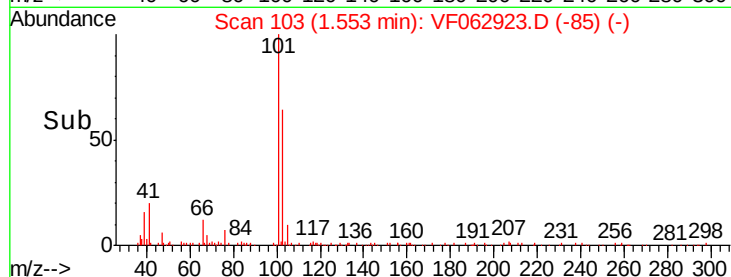
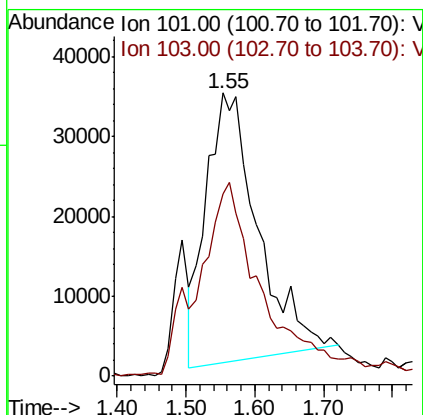
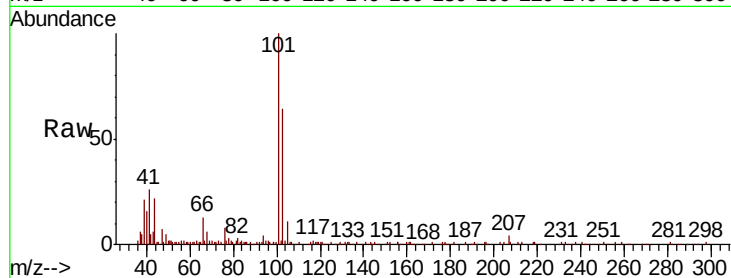


#7

Trichlorofluoromethane
Concen: 15.305 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

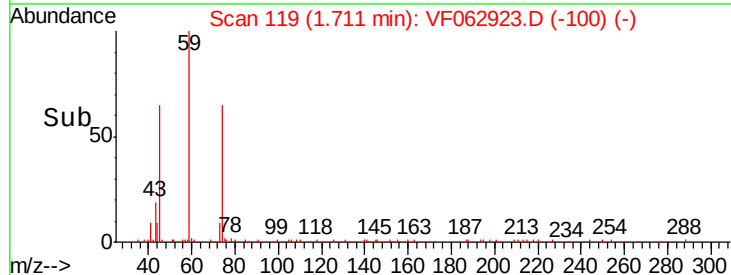
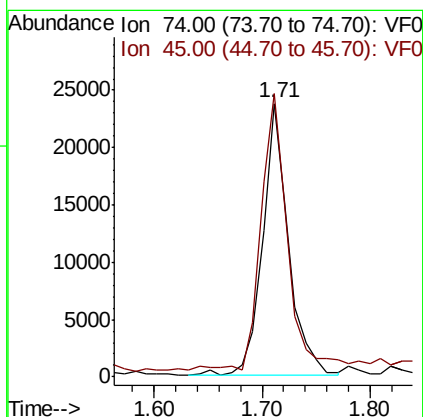
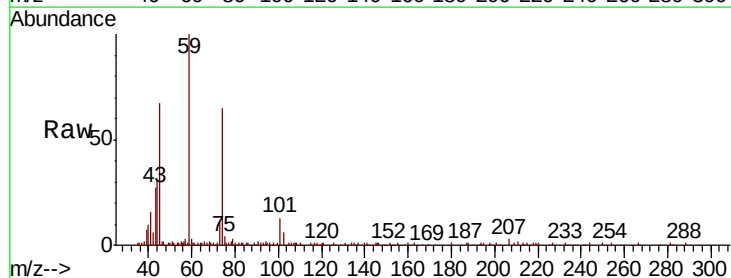
Tot Ion:101 Resp: 175057
Ion Ratio Lower Upper
101 100
103 64.3 54.6 82.0

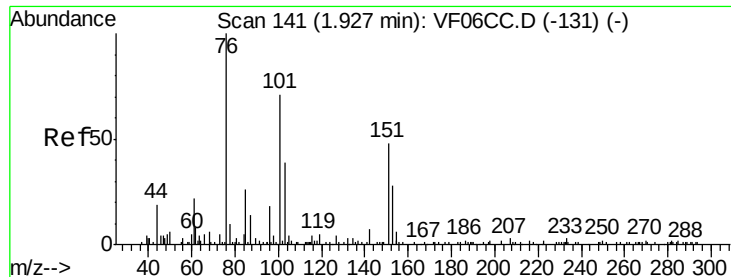


#8

Diethyl Ether
Concen: 17.763 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 74 Resp: 39971
Ion Ratio Lower Upper
74 100
45 103.5 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.017 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

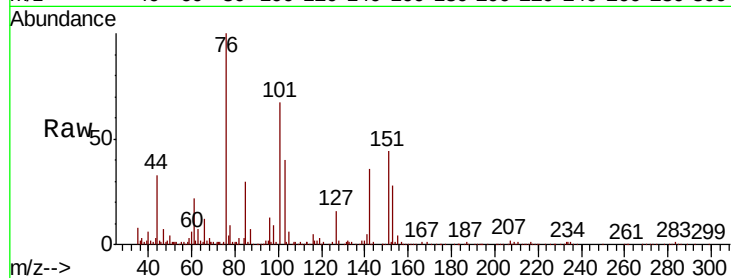
Tot Ion:101 Resp: 136747

Ion Ratio Lower Upper

101 100

85 45.2 37.1 55.7

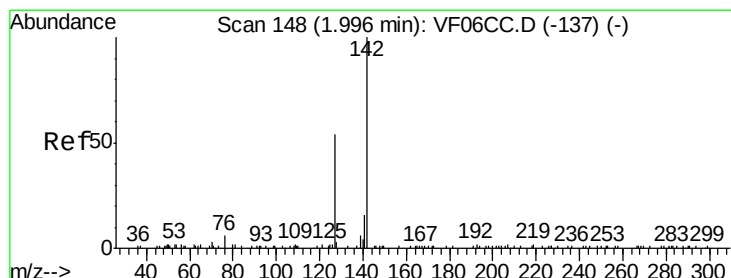
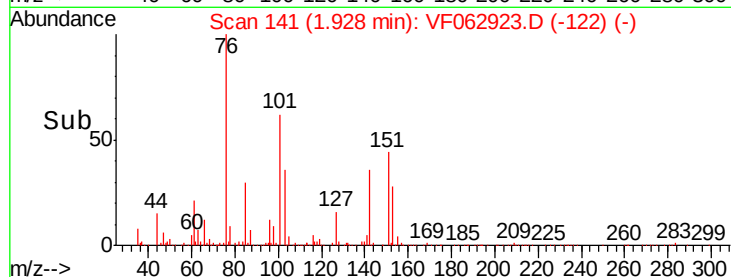
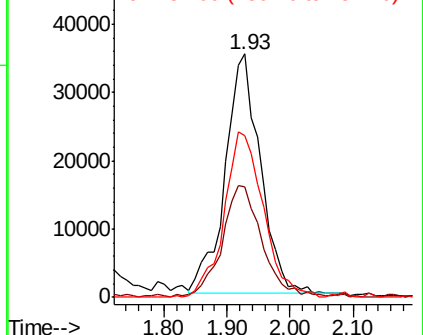
151 66.2 60.3 90.5



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: 15.577 ug/l

RT: 1.99 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

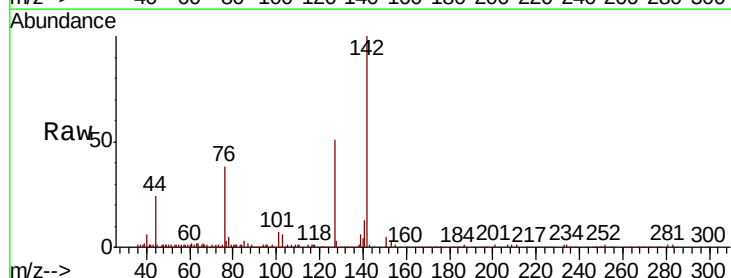
Tgt Ion:142 Resp: 224595

Ion Ratio Lower Upper

142 100

127 50.7 39.4 59.2

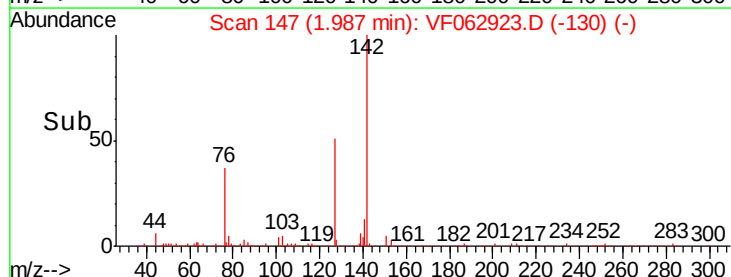
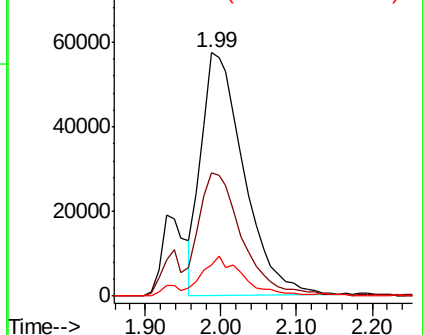
141 12.8 10.6 15.8

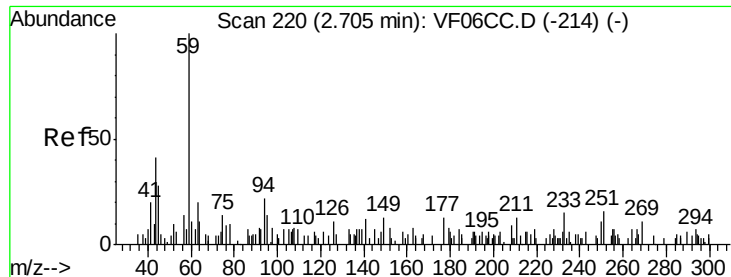


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



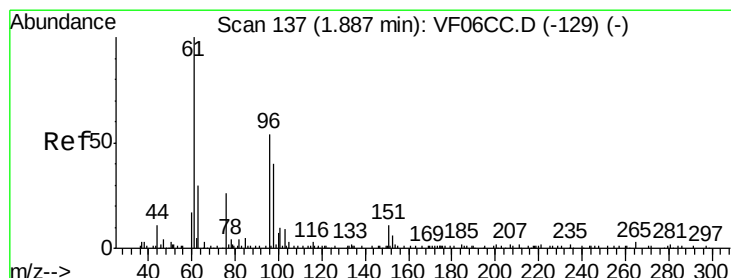
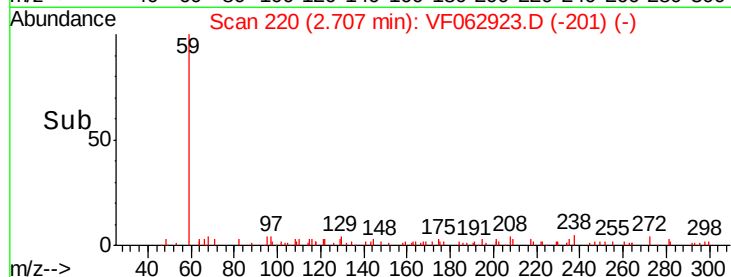
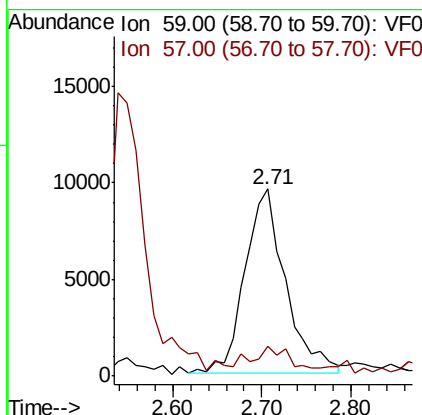
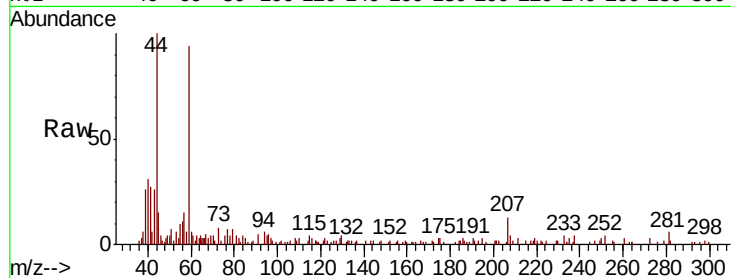


#11

Tert butyl alcohol
 Concen: 90.717 ug/l
 RT: 2.71 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :

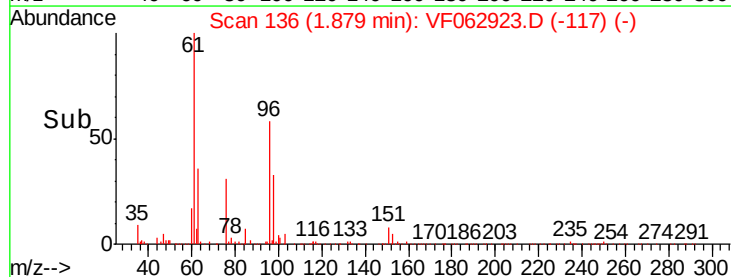
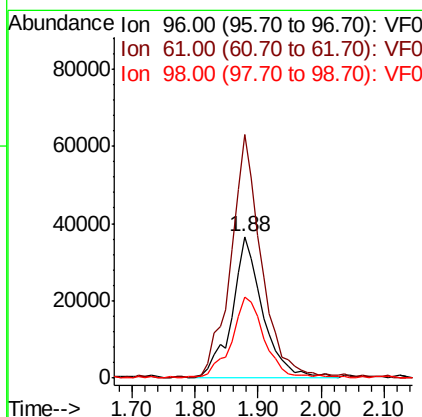
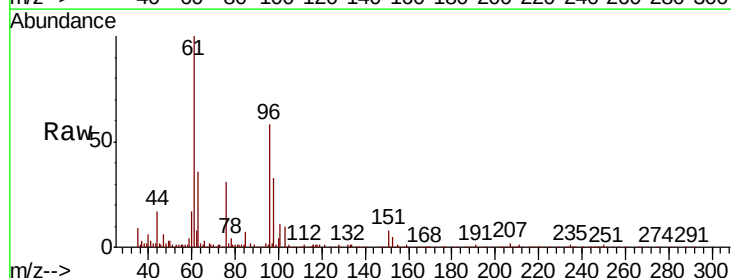
Tot Ion: 59 Resp: 29860
 Ion Ratio Lower Upper
 59 100
 57 15.8 9.2 13.8#

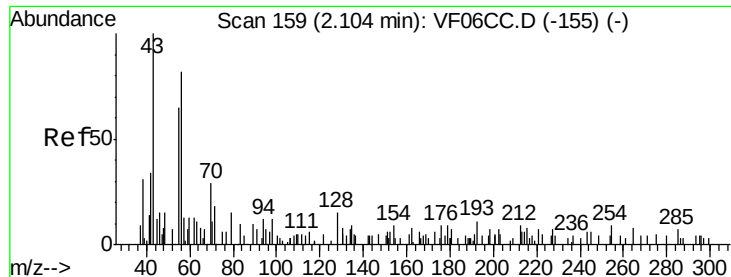


#12

1,1-Dichloroethene
 Concen: 18.565 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion: 96 Resp: 121220
 Ion Ratio Lower Upper
 96 100
 61 171.6 139.4 209.2
 98 58.4 50.3 75.5





#13

Acrolein

Concen: 86.468 ug/l

RT: 2.10 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

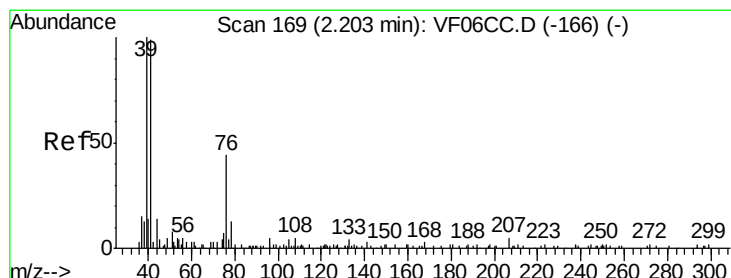
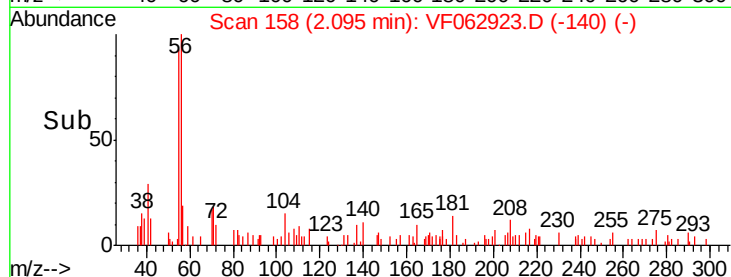
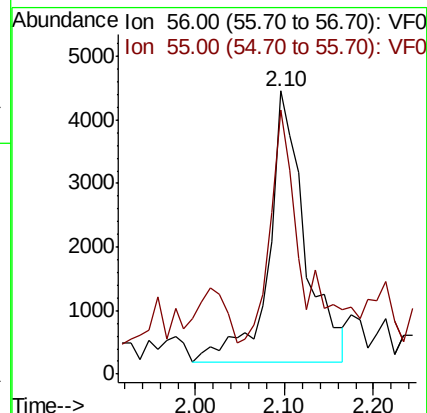
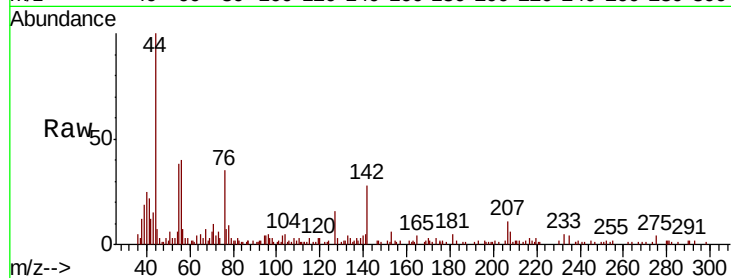
ClientSampleId :

Tot Ion: 56 Resp: 12074

Ion Ratio Lower Upper

56 100

55 93.3 52.9 79.3#



#14

Allyl chloride

Concen: 17.863 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

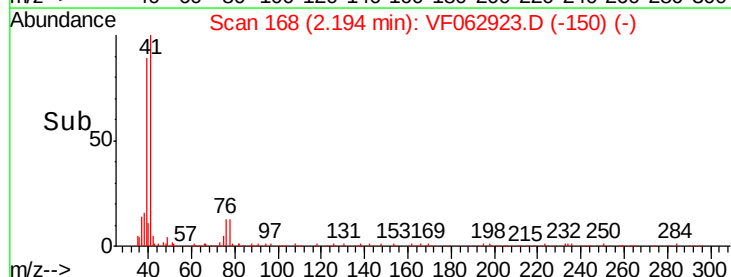
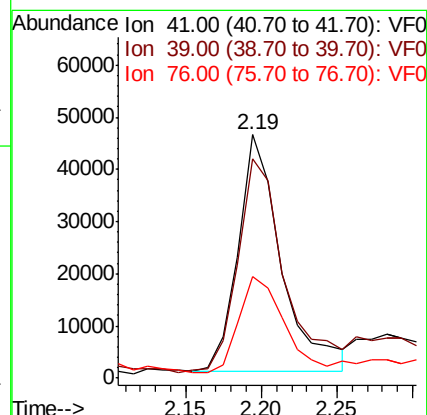
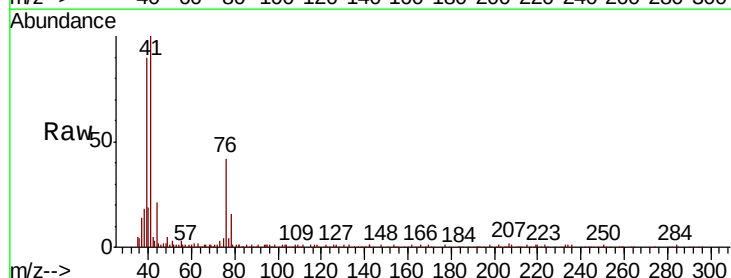
Tgt Ion: 41 Resp: 90488

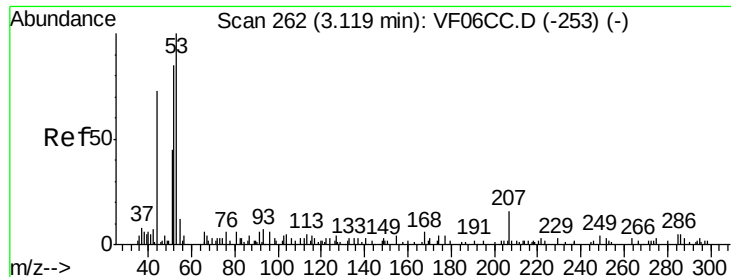
Ion Ratio Lower Upper

41 100

39 89.9 71.9 107.9

76 41.8 39.6 59.4





#15

Acrylonitrile

Concen: 91.049 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

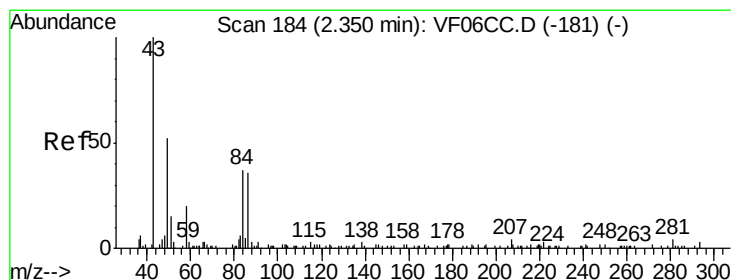
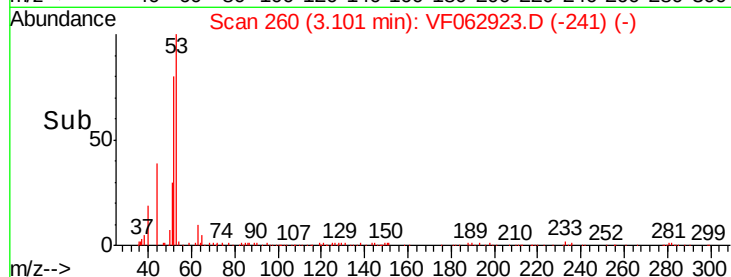
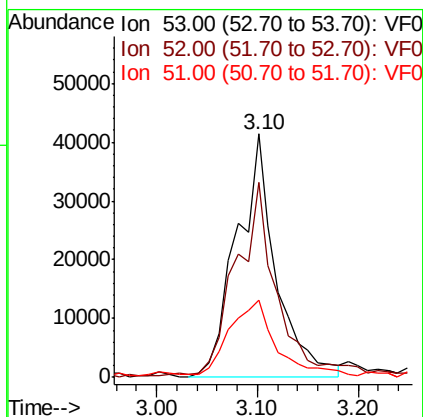
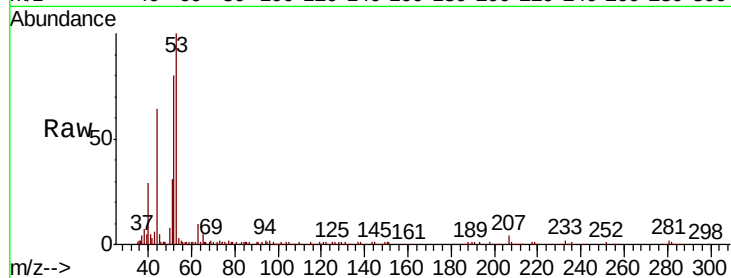
Tot Ion: 53 Resp: 112613

Ion Ratio Lower Upper

53 100

52 79.9 68.1 102.1

51 31.5 27.7 41.5



#16

Acetone

Concen: 91.652 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062923.D

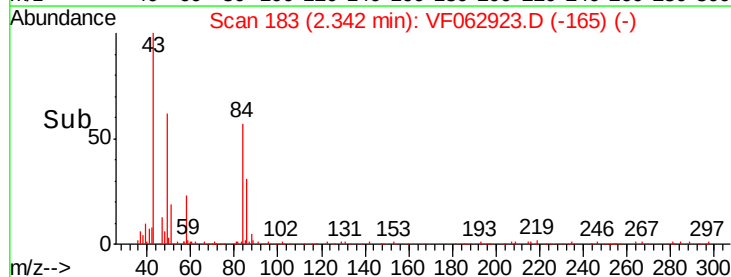
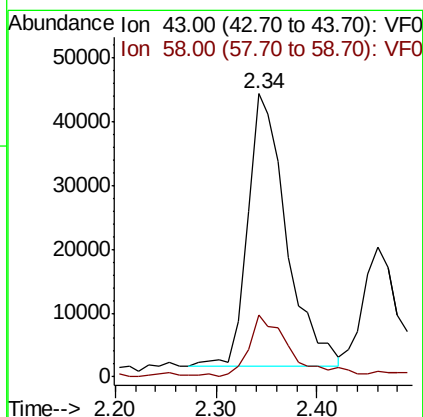
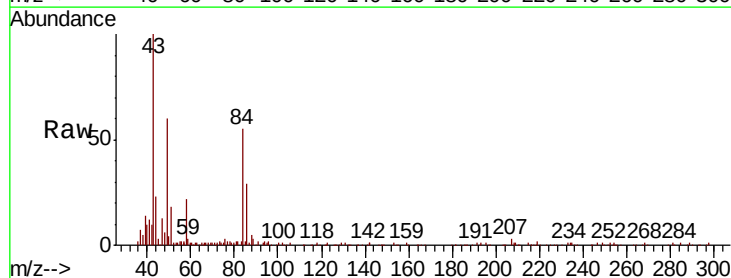
Acq: 12 Jun 2019 13:13

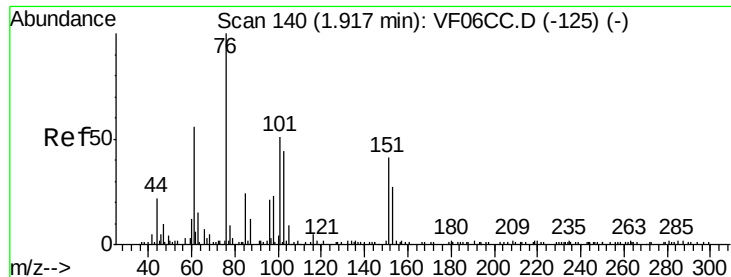
Tgt Ion: 43 Resp: 113979

Ion Ratio Lower Upper

43 100

58 22.1 19.0 28.4





#17

Carbon Disulfide

Concen: 14.236 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

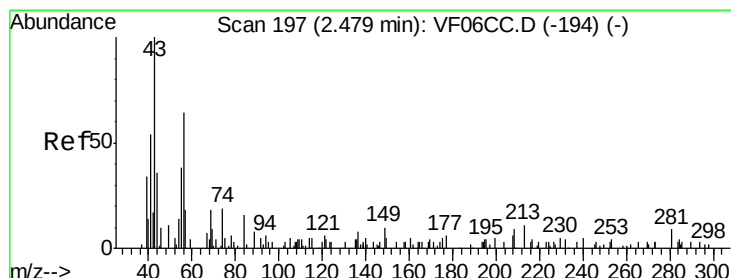
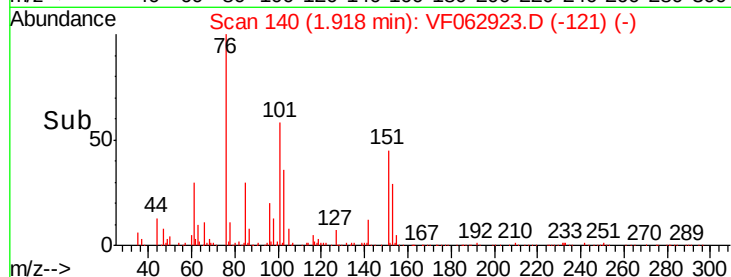
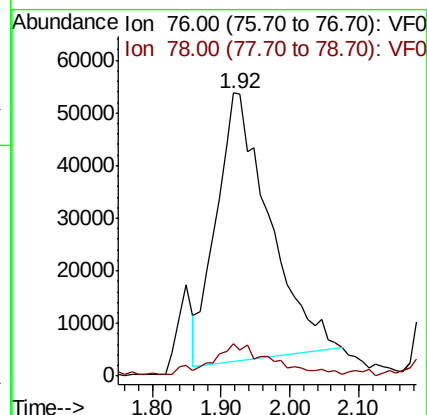
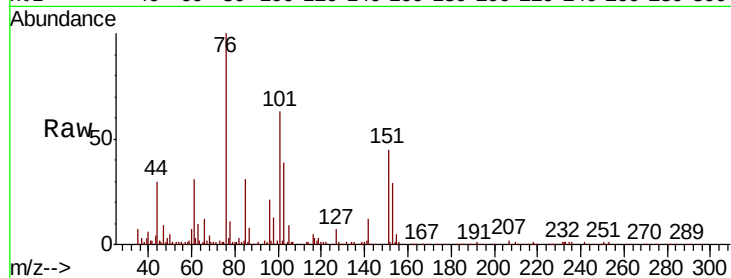
ClientSampled :

Tot Ion: 76 Resp: 271692

Ion Ratio Lower Upper

76 100

78 11.5 9.4 14.2



#18

Methyl Acetate

Concen: 18.959 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062923.D

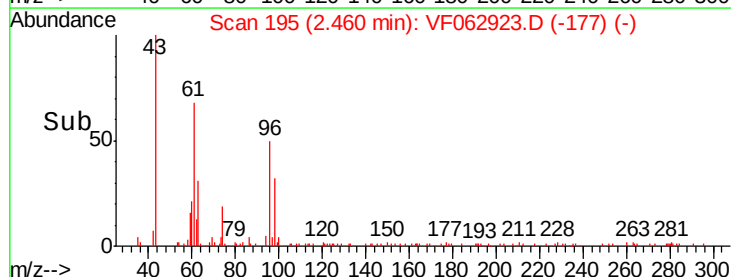
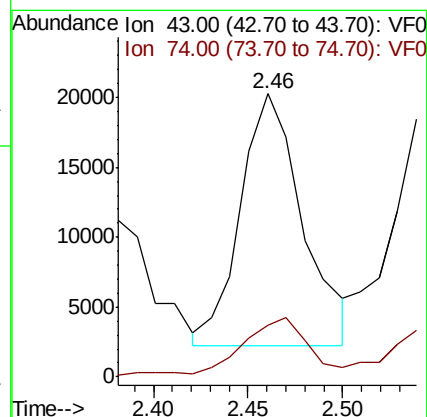
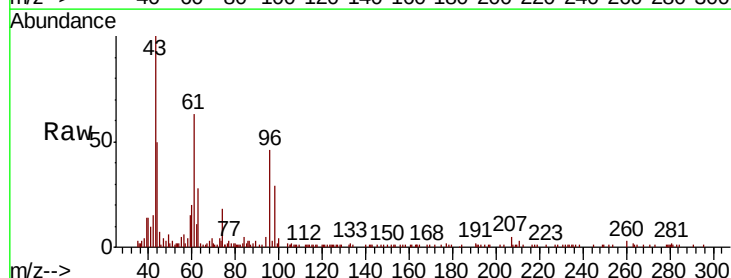
Acq: 12 Jun 2019 13:13

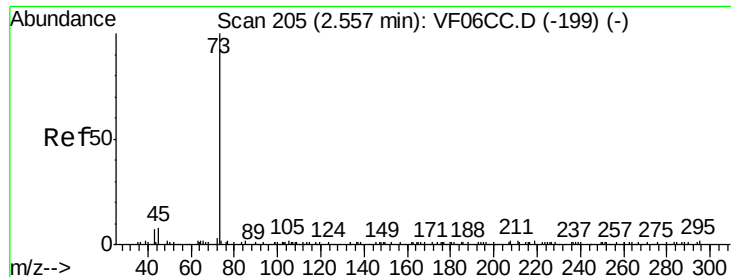
Tgt Ion: 43 Resp: 41201

Ion Ratio Lower Upper

43 100

74 18.4 22.1 33.1#

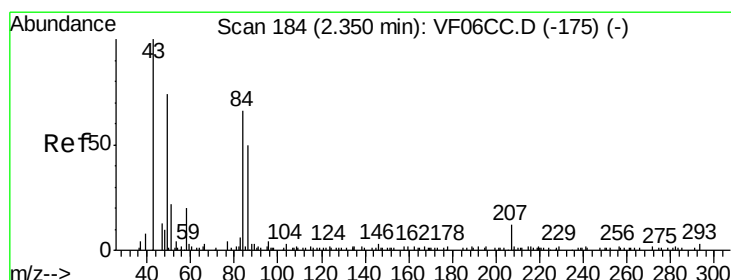
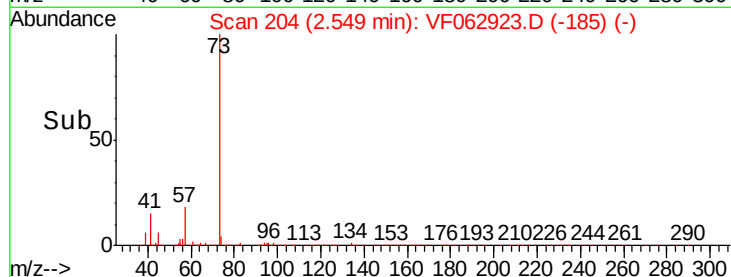
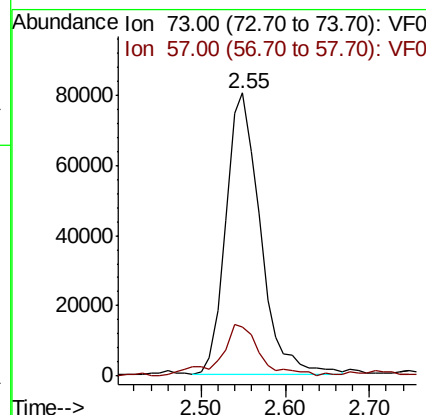
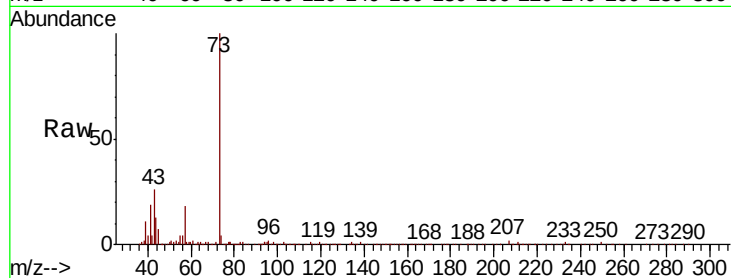




#19
Methyl tert-butyl Ether
Concen: 19.160 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

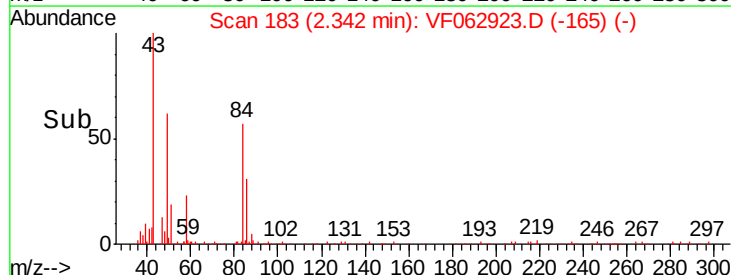
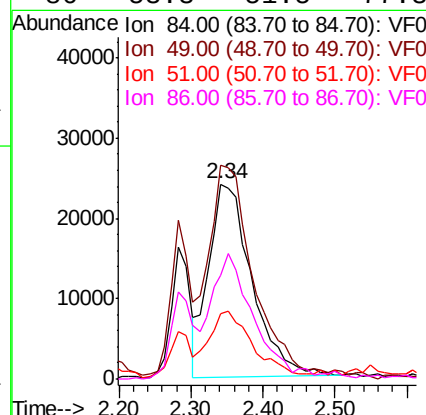
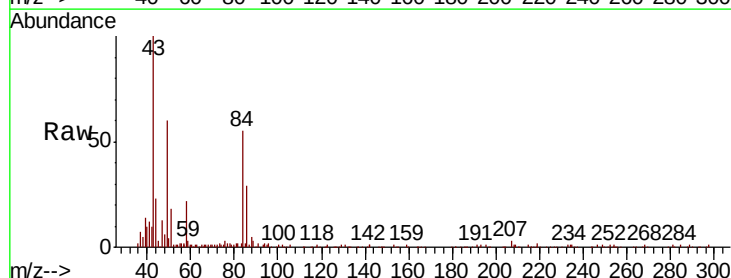
Instrument :
MSVOA_F
ClientSampleId :

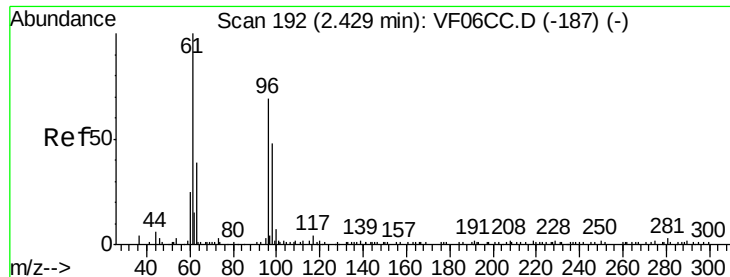
Tot Ion: 73 Resp: 226659
Ion Ratio Lower Upper
73 100
57 17.6 15.1 22.7



#20
Methylene Chloride
Concen: 13.934 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 84 Resp: 100186
Ion Ratio Lower Upper
84 100
49 109.4 82.6 123.8
51 33.5 25.0 37.4
86 53.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.181 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

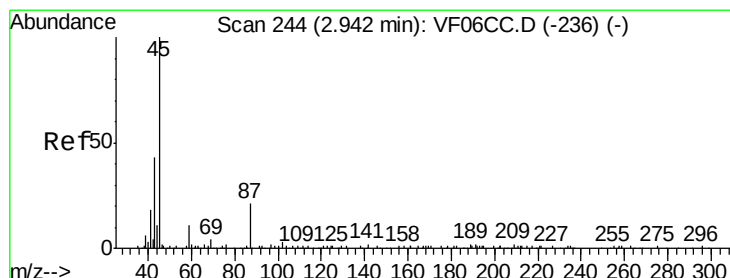
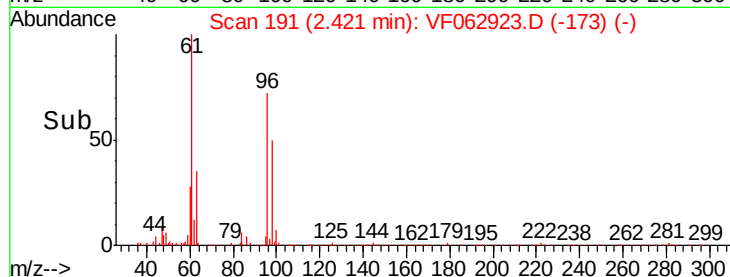
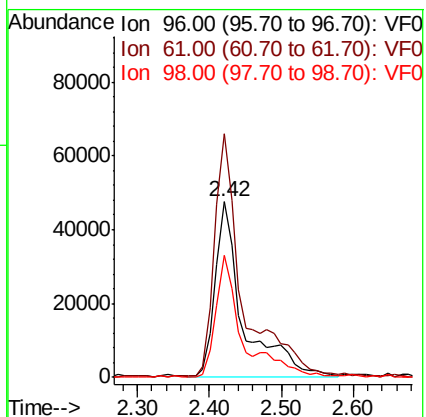
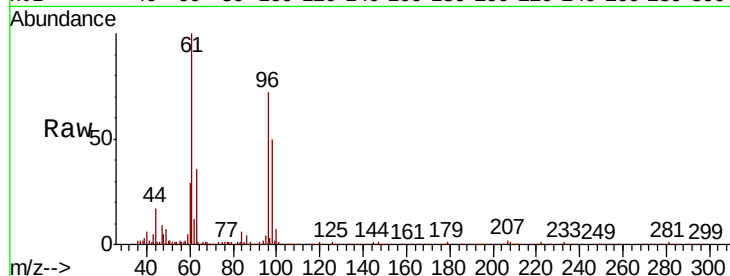
Tot Ion: 96 Resp: 125575

Ion Ratio Lower Upper

96 100

61 139.0 105.0 157.6

98 69.5 51.1 76.7



#22

Diisopropyl ether

Concen: 19.033 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion: 45 Resp: 273926

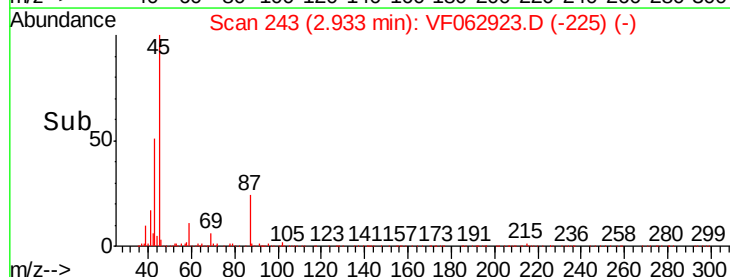
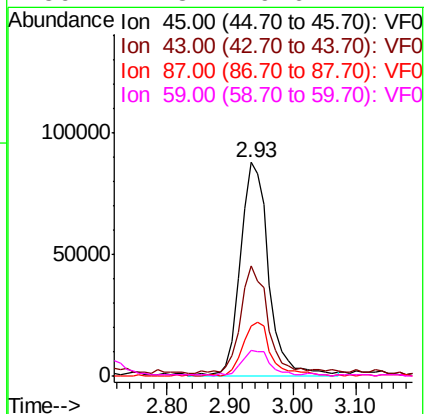
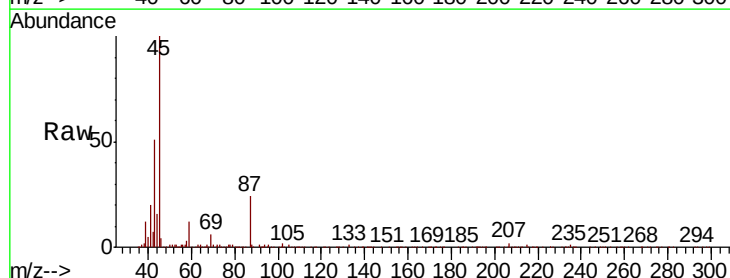
Ion Ratio Lower Upper

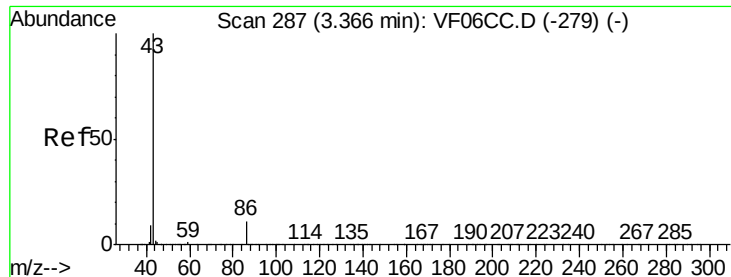
45 100

43 51.4 34.3 51.5

87 23.7 19.0 28.4

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 94.361 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

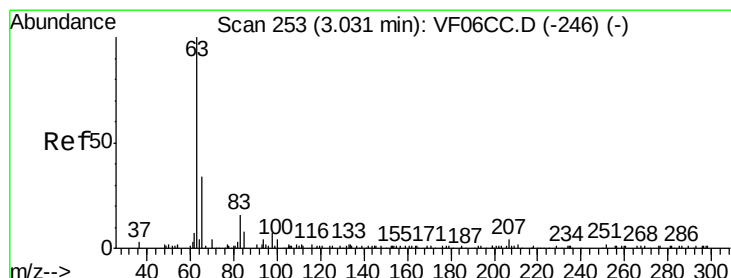
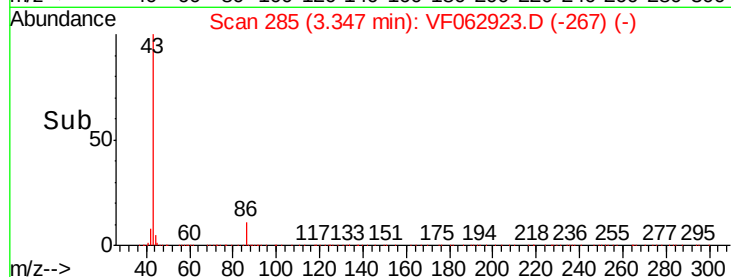
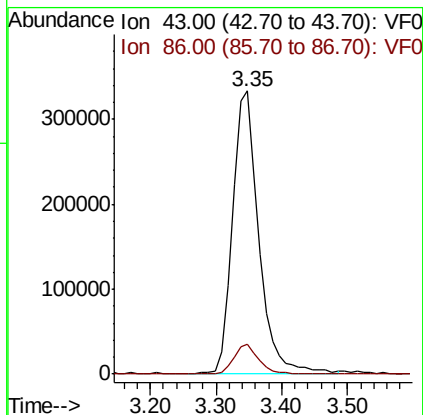
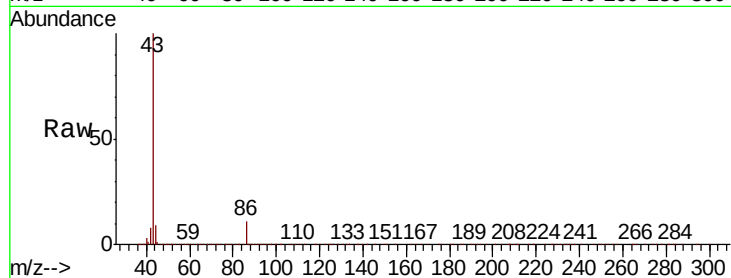
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 929728

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 18.834 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

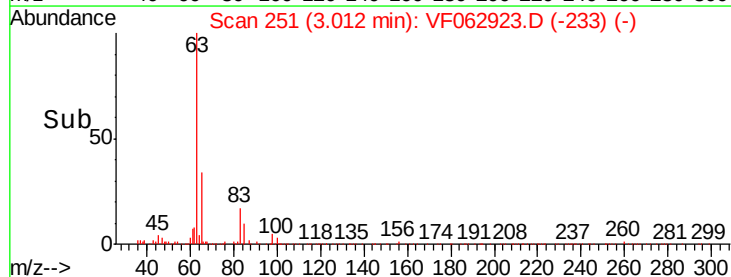
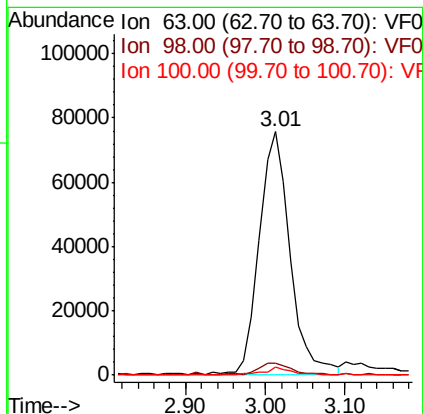
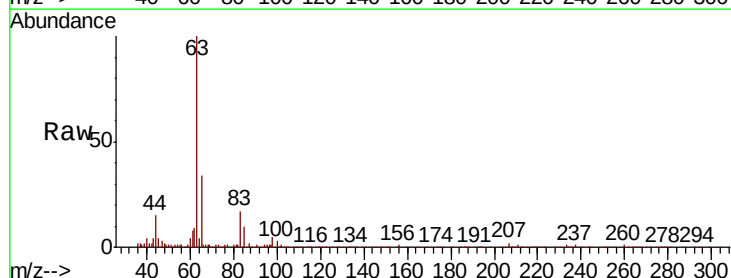
Tgt Ion: 63 Resp: 202387

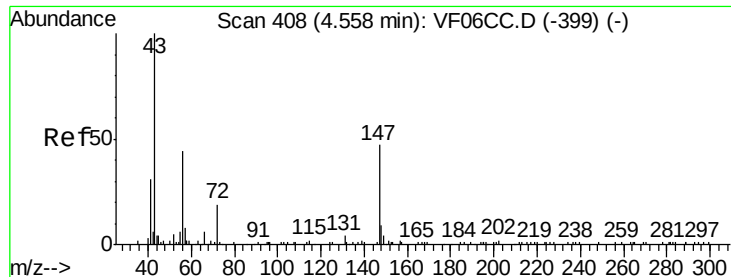
Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.1

100 3.1 1.5 4.5





#25

2-Butanone

Concen: 96.538 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

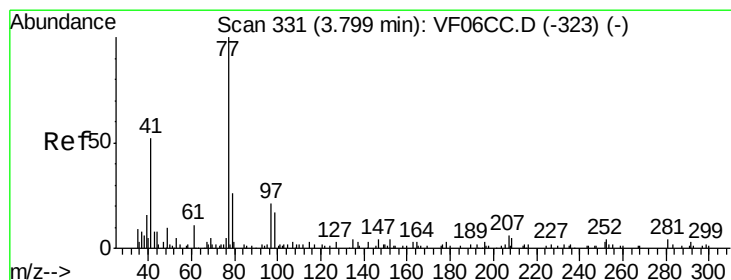
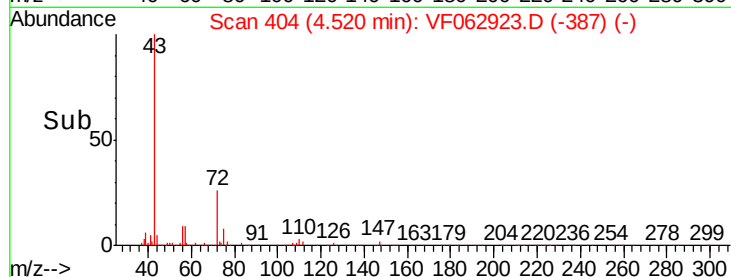
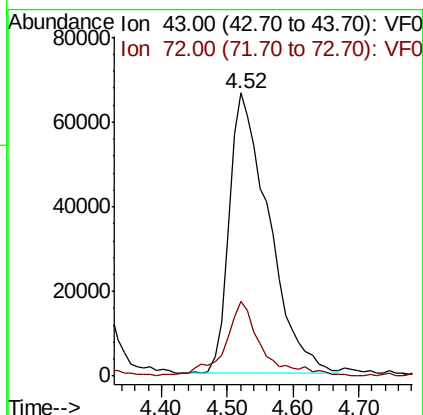
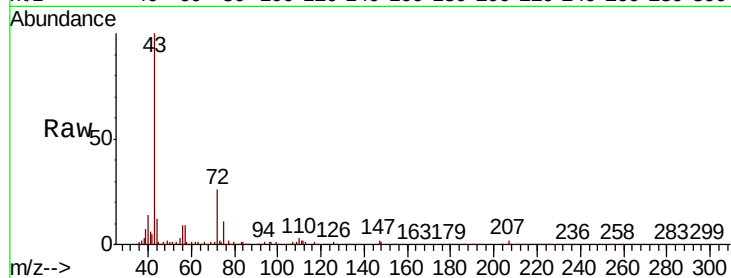
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 279582

Ion Ratio Lower Upper

43 100

72 26.4 21.4 32.0



#26

2,2-Dichloropropane

Concen: 20.846 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.04 min

Lab File: VF062923.D

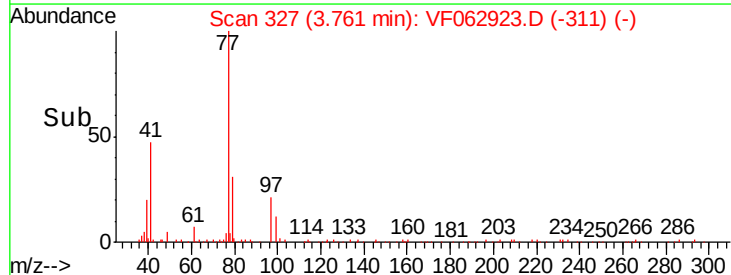
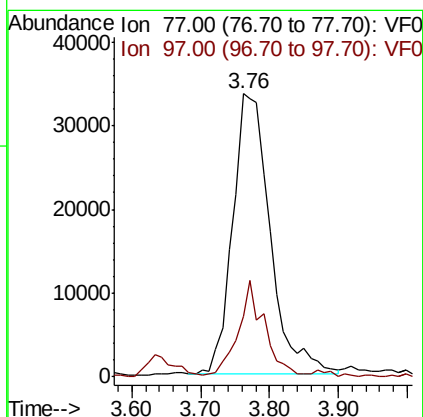
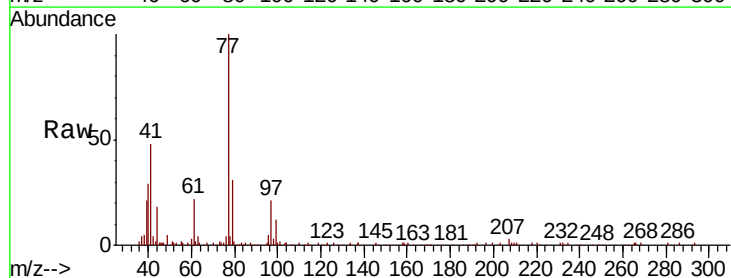
Acq: 12 Jun 2019 13:13

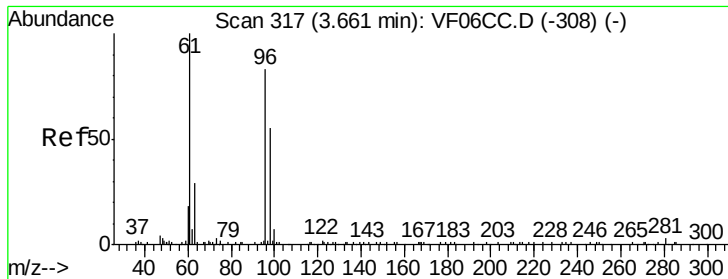
Tgt Ion: 77 Resp: 127188

Ion Ratio Lower Upper

77 100

97 21.3 12.4 37.4



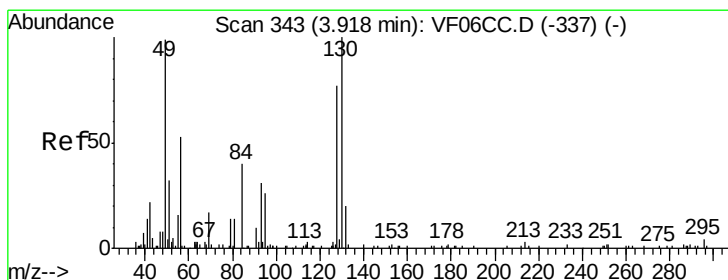
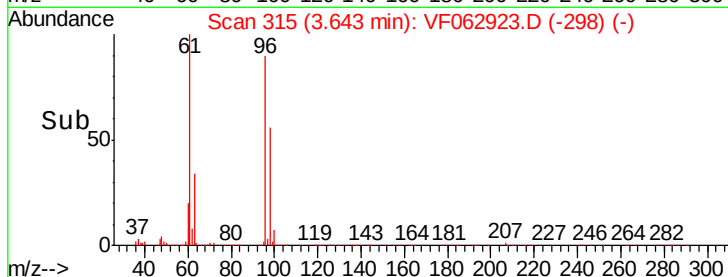
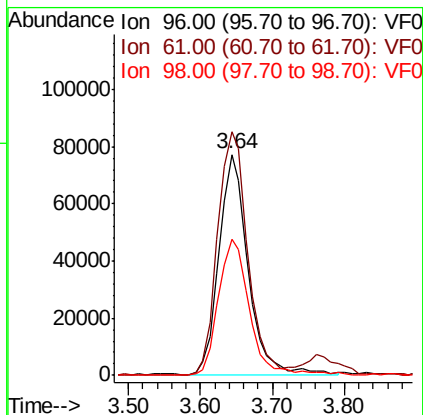
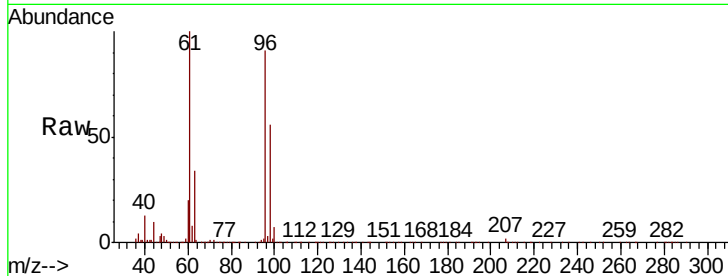


#27

cis-1,2-Dichloroethene
Concen: 19.778 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

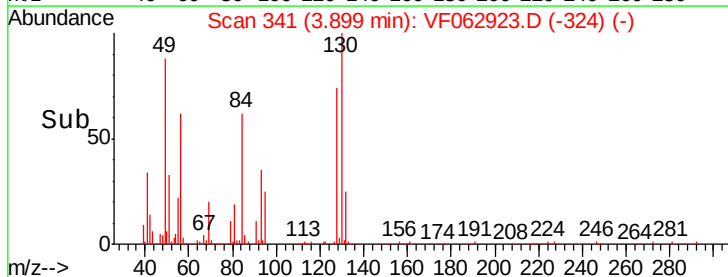
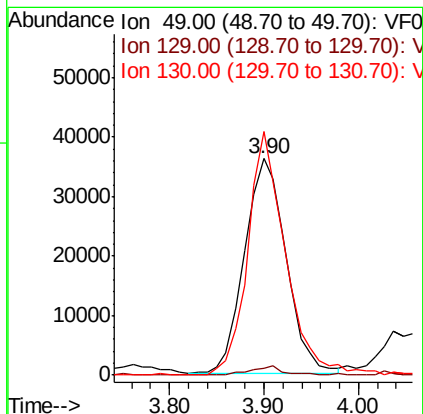
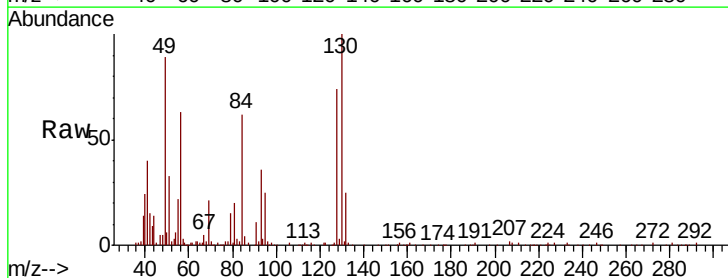
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.3	0.0	213.8
98	61.7	0.0	127.0

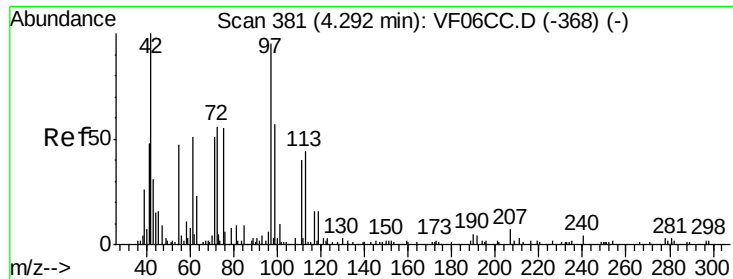


#28

Bromochloromethane
Concen: 18.857 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.4
130	112.4	79.2	118.8

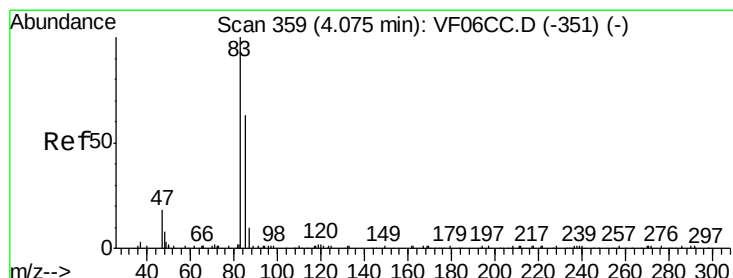
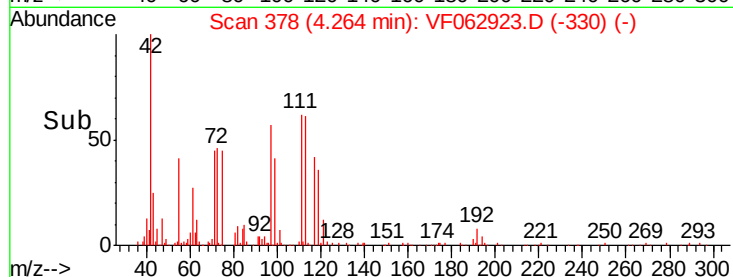
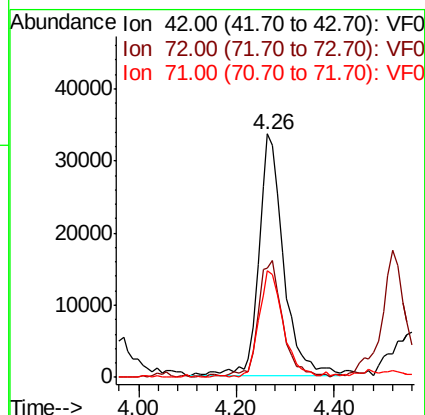
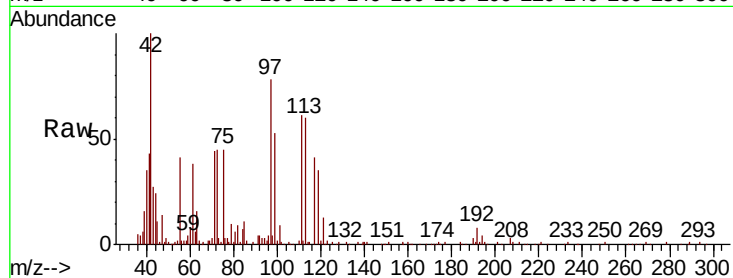




#29
Tetrahydrofuran
Concen: 105.494 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

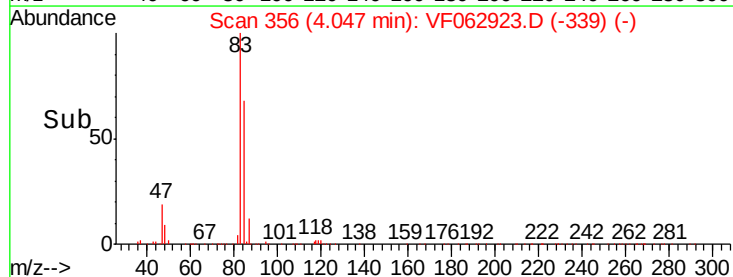
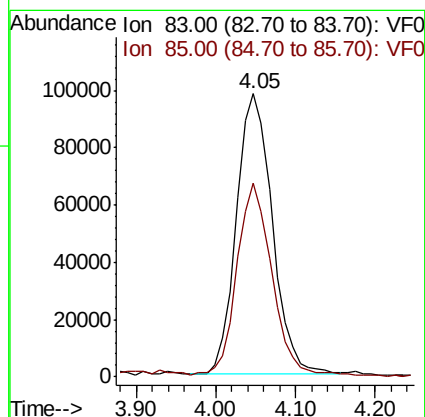
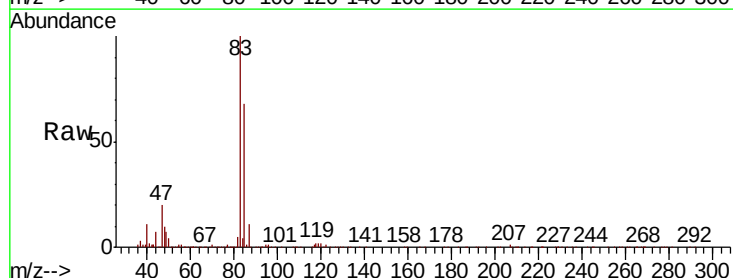
Instrument :
MSVOA_F
ClientSampled :

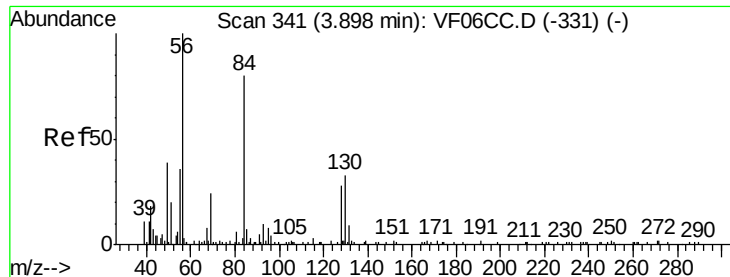
Tot Ion: 42 Resp: 116853
Ion Ratio Lower Upper
42 100
72 48.4 39.0 58.6
71 43.8 36.9 55.3



#30
Chloroform
Concen: 20.211 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 83 Resp: 306088
Ion Ratio Lower Upper
83 100
85 68.3 55.0 82.6





#31

Cyclohexane

Concen: 10.892 ug/l

RT: 3.87 min Scan# 338

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

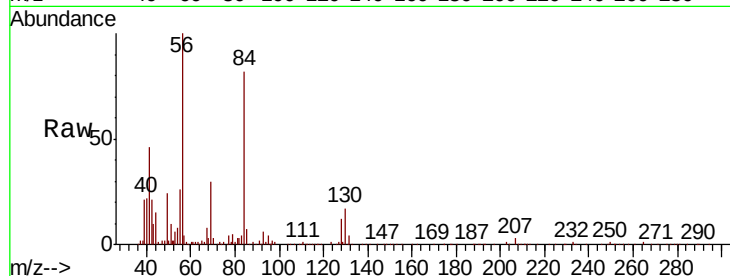
Tot Ion: 56 Resp: 158464

Ion Ratio Lower Upper

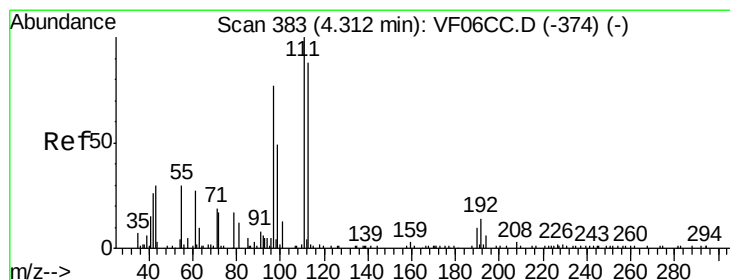
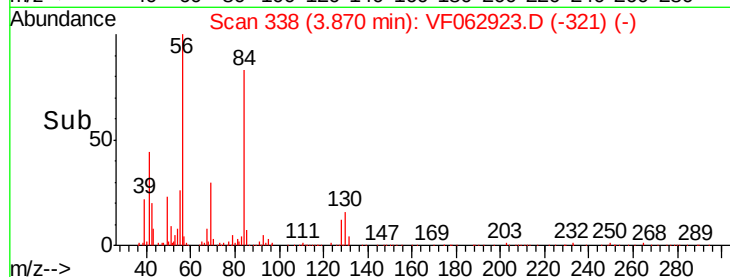
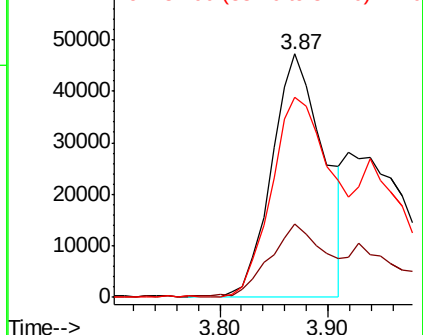
56 100

69 30.0 26.7 40.1

84 82.2 74.3 111.5



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.441 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

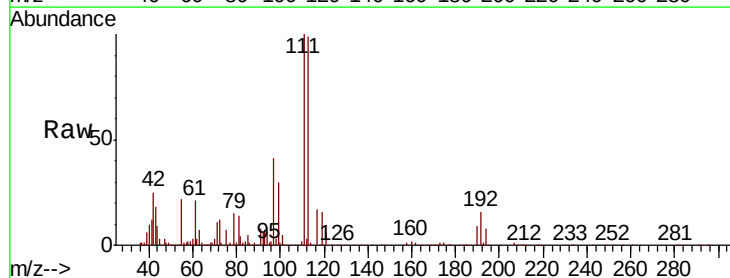
Tgt Ion: 97 Resp: 189061

Ion Ratio Lower Upper

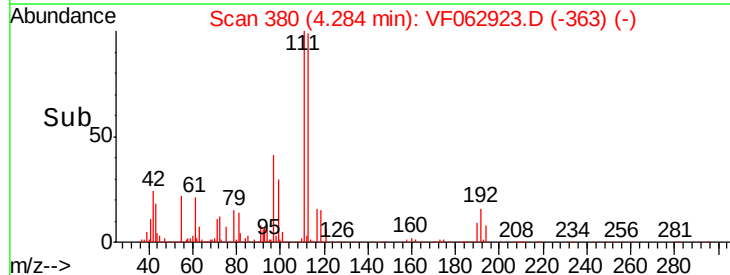
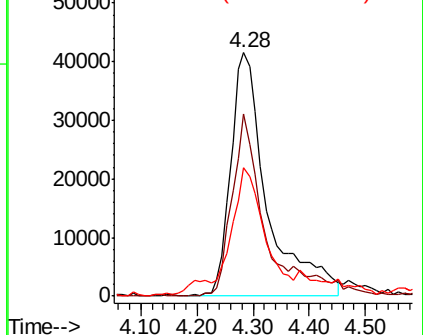
97 100

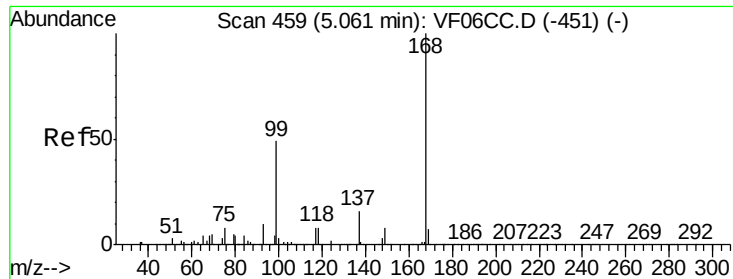
99 74.6 51.7 77.5

61 52.8 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

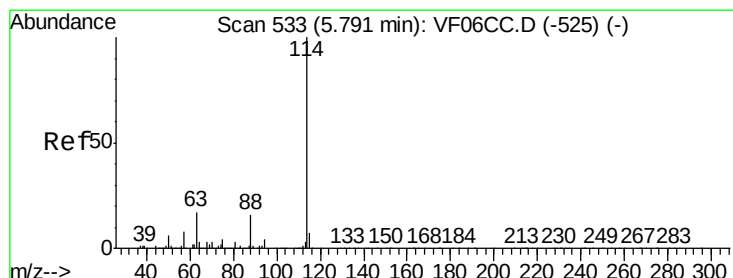
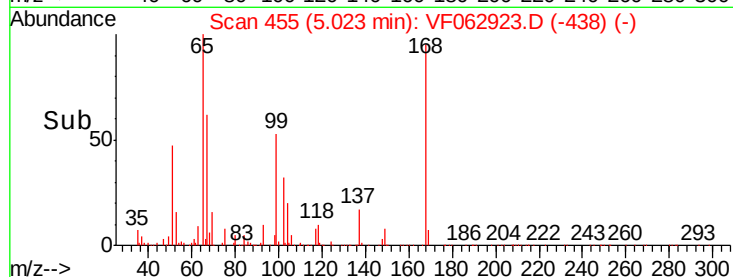
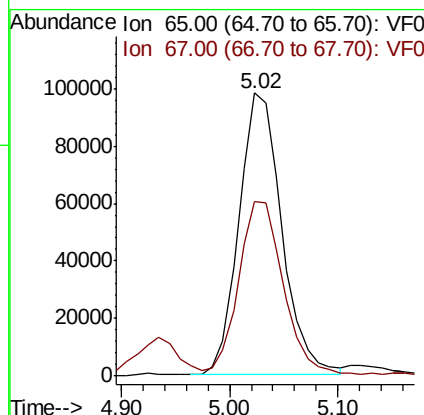
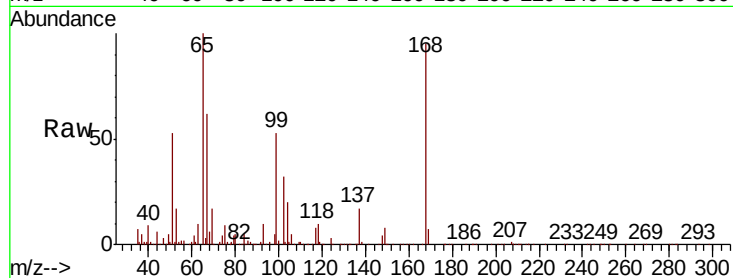




#33
 1,2-Dichloroethane-d4
 Concen: 49.730 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

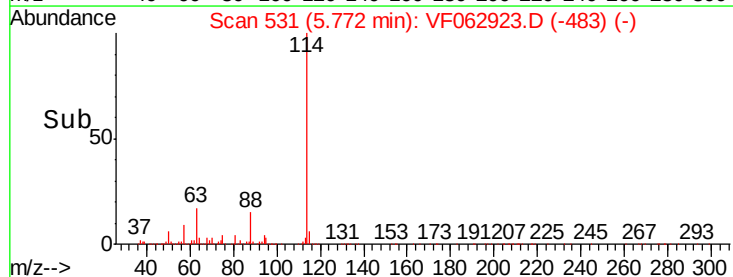
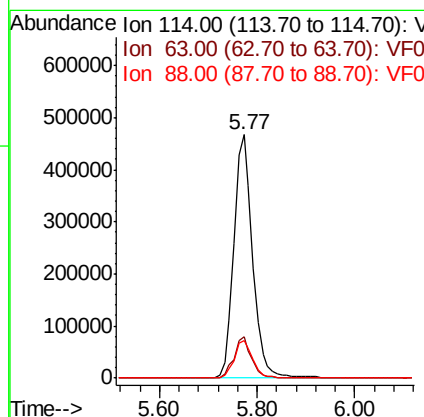
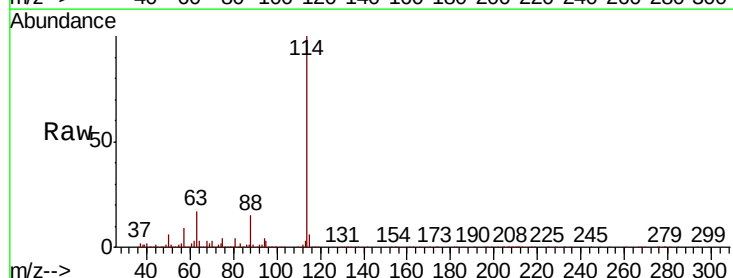
Instrument :
 MSVOA_F
 ClientSampleId :

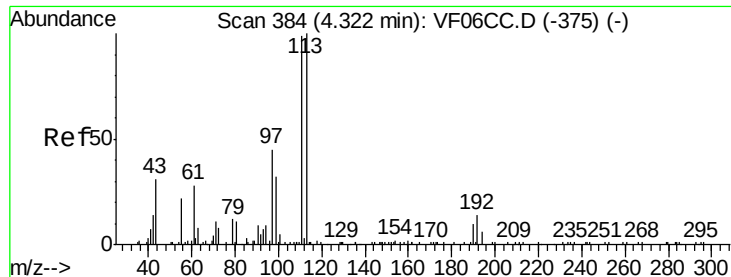
Tot Ion: 65 Resp: 270210
 Ion Ratio Lower Upper
 65 100
 67 61.7 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion: 114 Resp: 1249971
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.2
 88 15.5 0.0 31.2

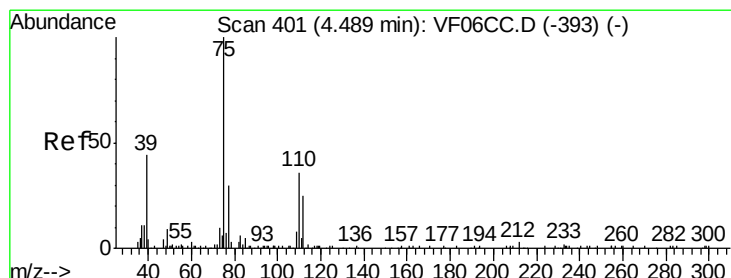
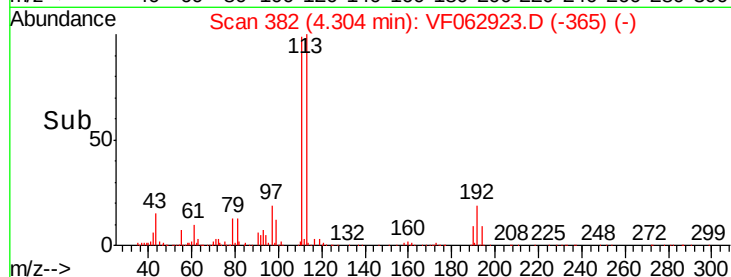
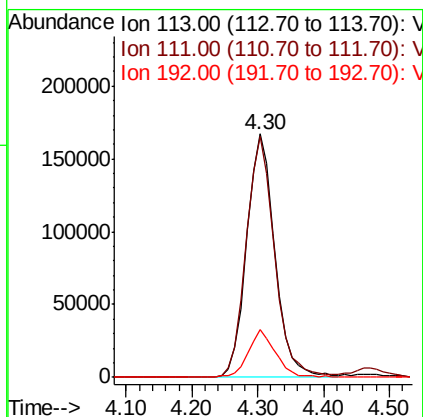
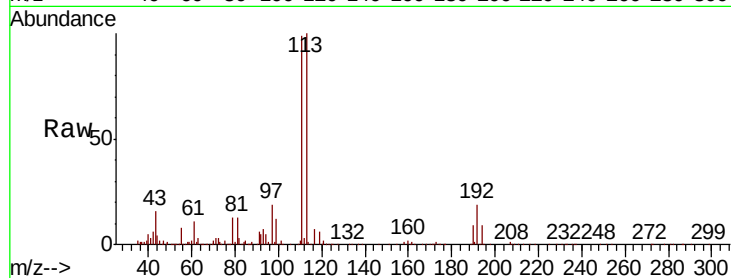




#35
 Dibromofluoromethane
 Concen: 53.372 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

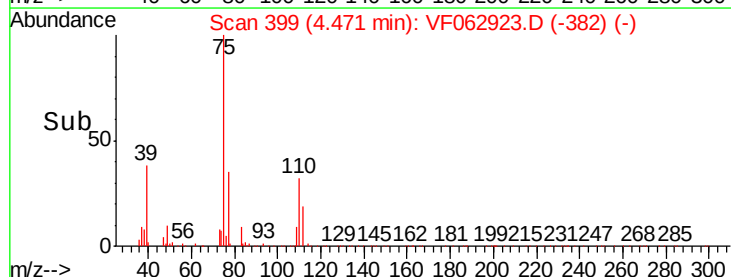
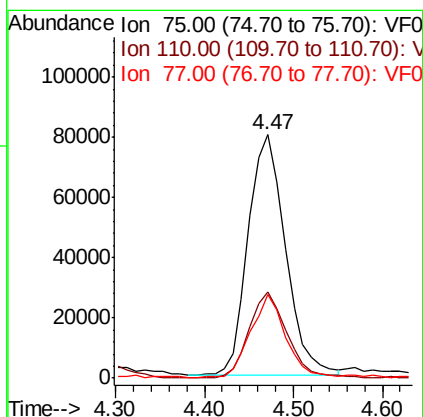
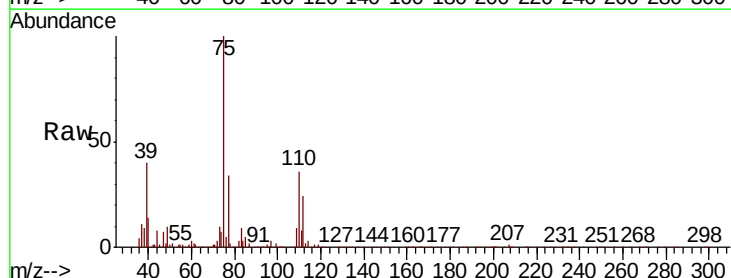
Instrument :
 MSVOA_F
 ClientSampleId :

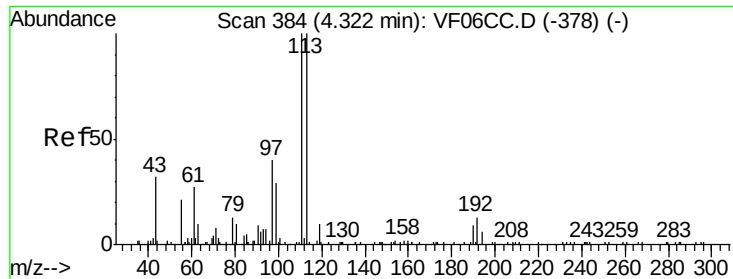
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.9	81.9	122.9
192	19.5	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 20.228 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	19.4	58.1
77	34.2	25.4	38.2

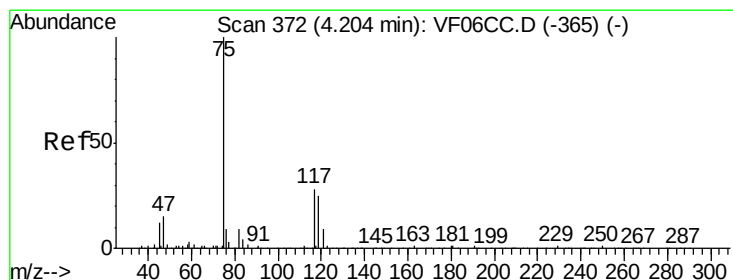
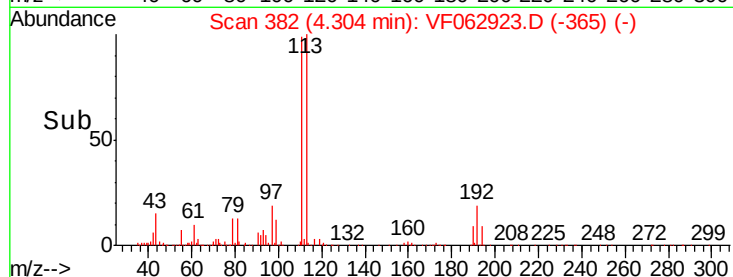
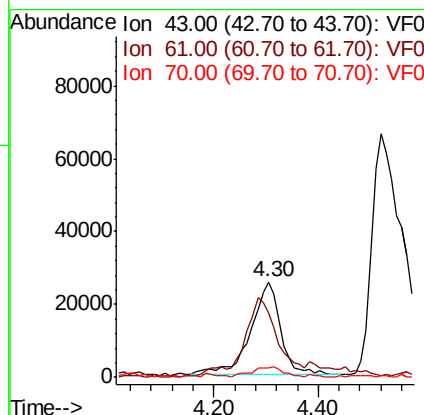
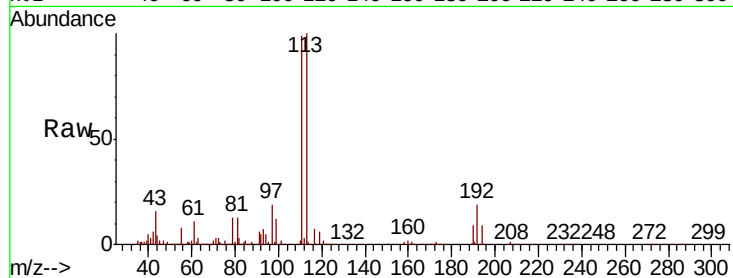




#37
Ethyl Acetate
Concen: 22.841 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

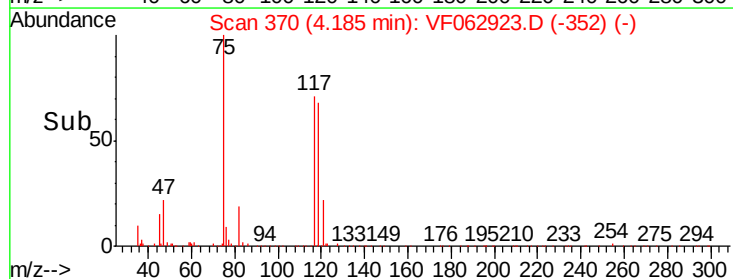
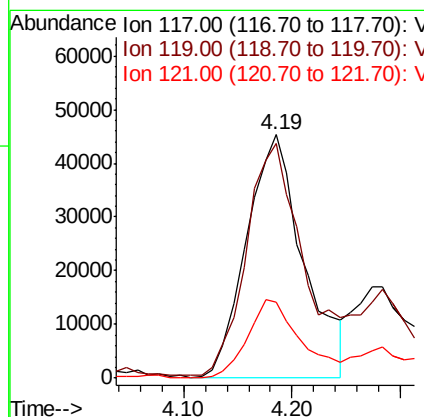
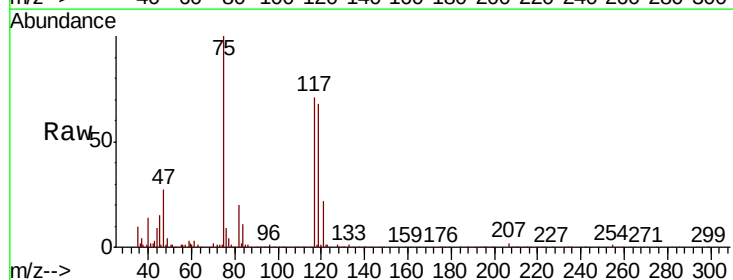
Instrument :
MSVOA_F
ClientSampleId :

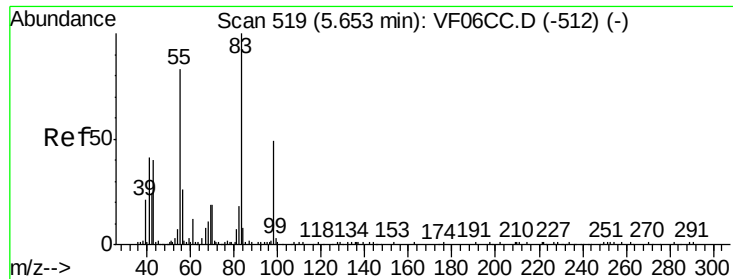
Tot Ion: 43 Resp: 100473
Ion Ratio Lower Upper
43 100
61 67.1 59.1 88.7
70 10.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 21.445 ug/l
RT: 4.19 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 117 Resp: 166779
Ion Ratio Lower Upper
117 100
119 96.4 78.2 117.2
121 31.3 28.2 42.2

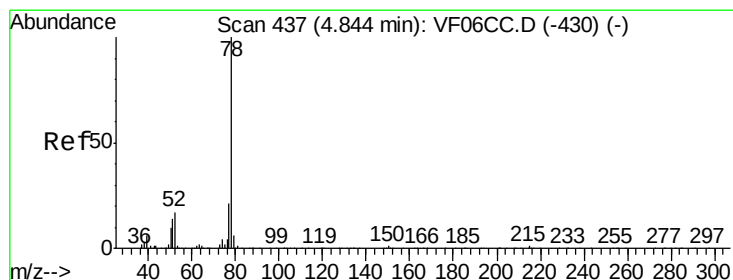
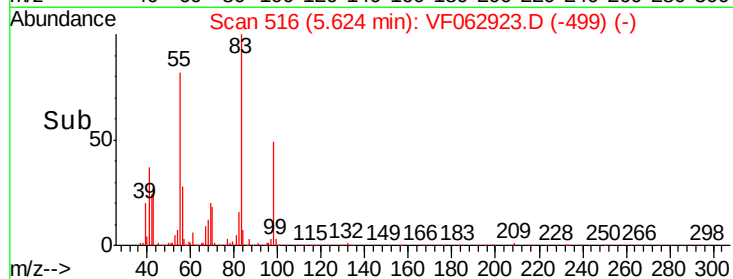
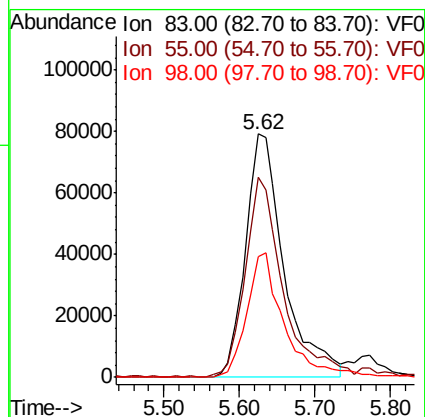
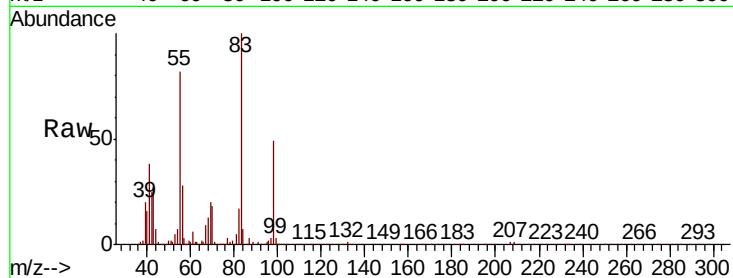




#39
Methylvlcyclohexane
Concen: 19.648 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

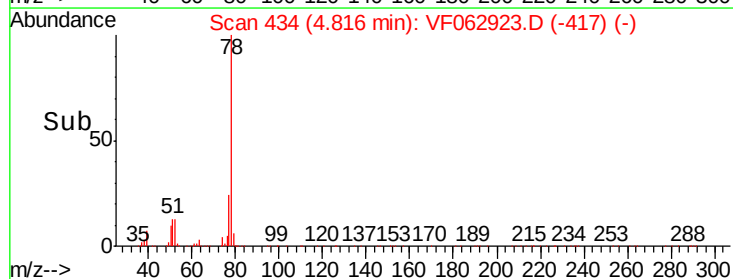
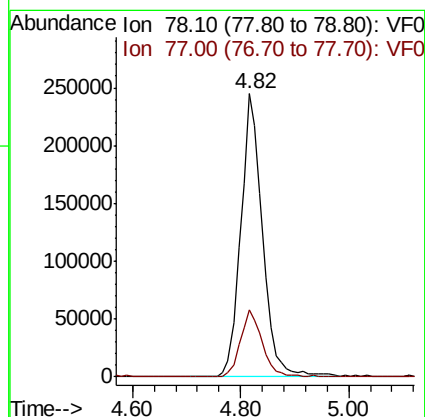
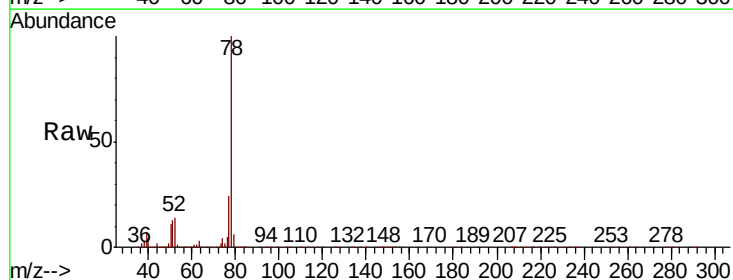
Instrument :
MSVOA_F
ClientSampleId :

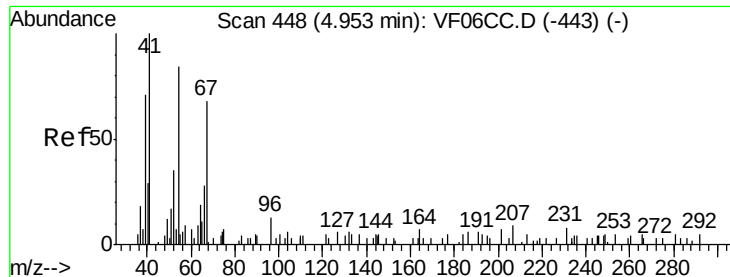
Tot Ion	83.00	Resp	281398
Ion Ratio	Lower	Upper	
83	100		
55	82.2	61.6	92.4
98	49.4	37.4	56.2



#40
Benzene
Concen: 20.414 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	78	Resp	683680
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.9	28.3

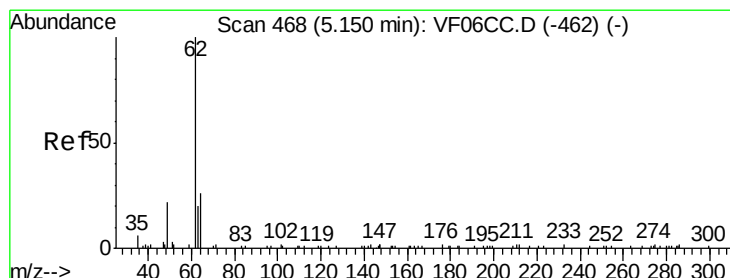
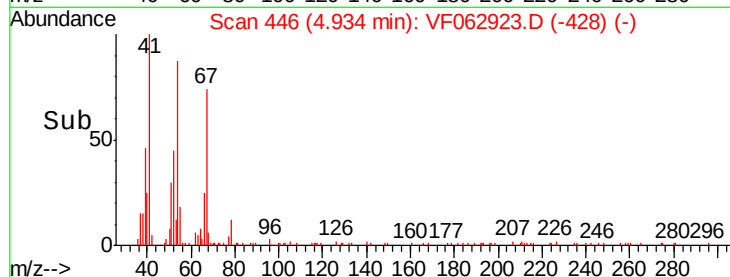
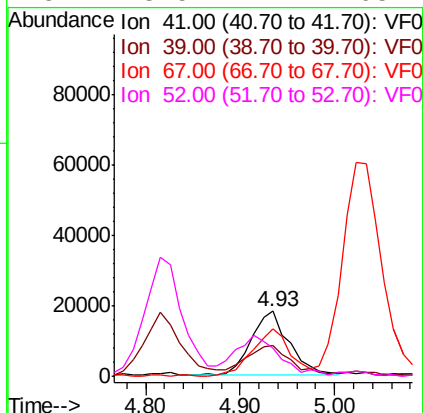
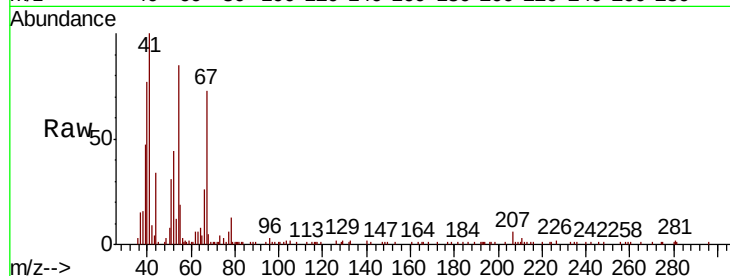




#41
Methacrylonitrile
Concen: 20.394 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

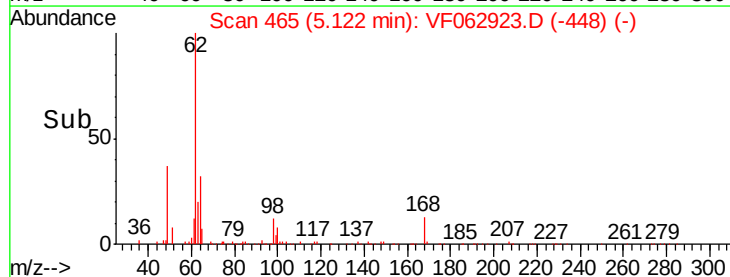
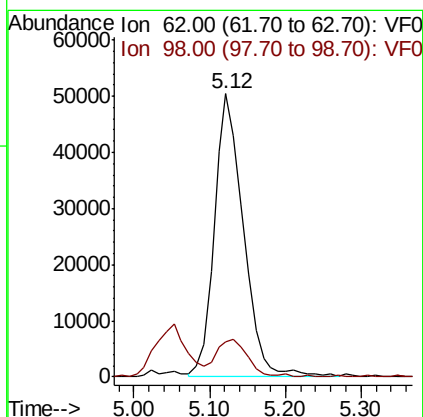
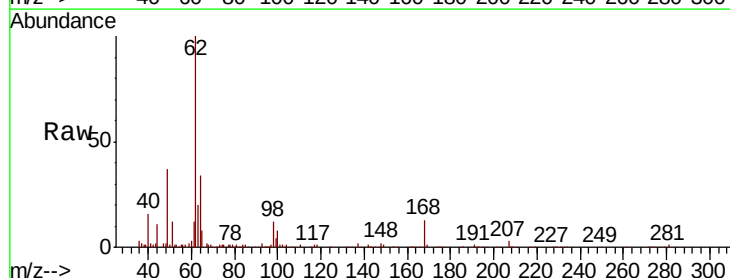
Instrument :
MSVOA_F
ClientSampleId :

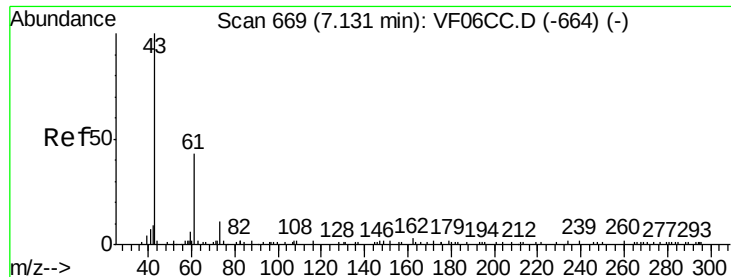
Tot Ion:	41	Resp:	49871
Ion	Ratio	Lower	Upper
41	100		
39	46.5	42.0	63.0
67	73.3	61.4	92.0
52	43.5	42.1	63.1



#42
1,2-Dichloroethane
Concen: 21.217 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion:	62	Resp:	135143
Ion	Ratio	Lower	Upper
62	100		
98	12.4	0.0	24.0





#43

Isopropyl Acetate

Concen: 21.713 ug/l

RT: 7.10 min Scan# 666

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

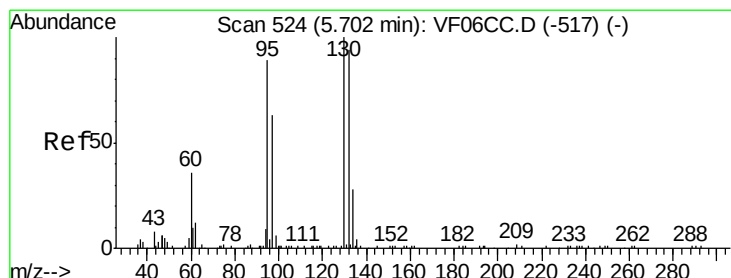
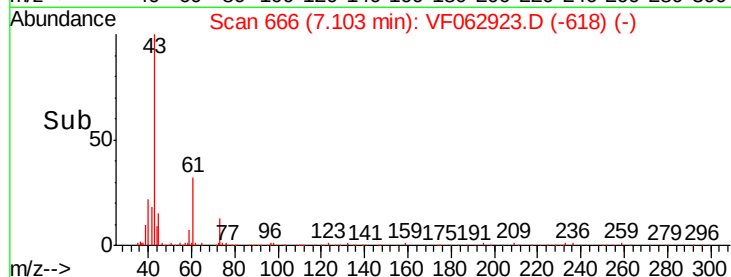
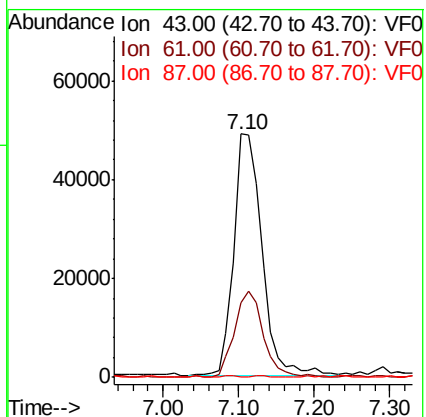
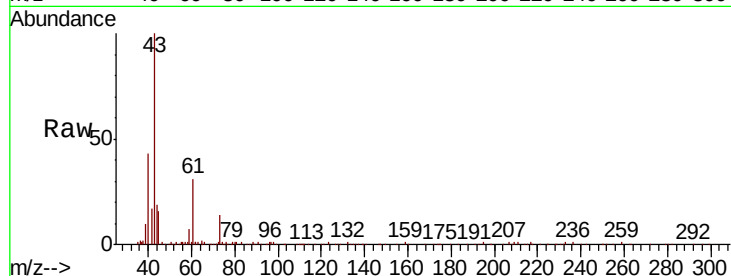
Tot Ion: 43 Resp: 126172

Ion Ratio Lower Upper

43 100

61 30.9 29.8 44.6

87 0.3 0.3 0.5#



#44

Trichloroethene

Concen: 20.523 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.02 min

Lab File: VF062923.D

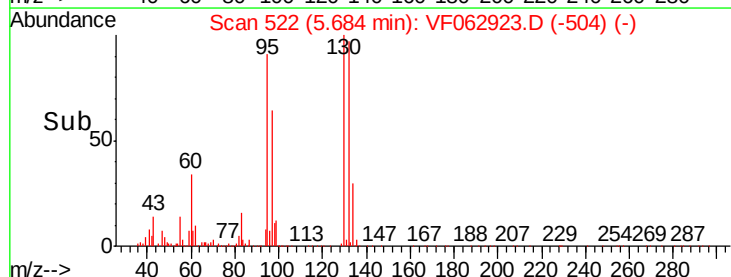
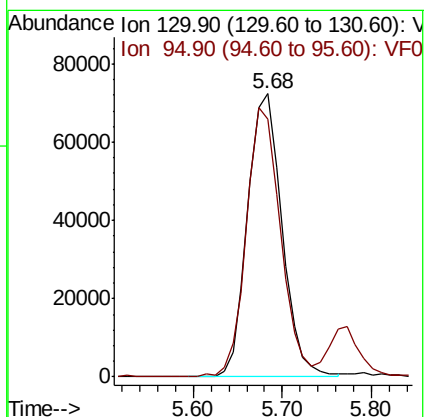
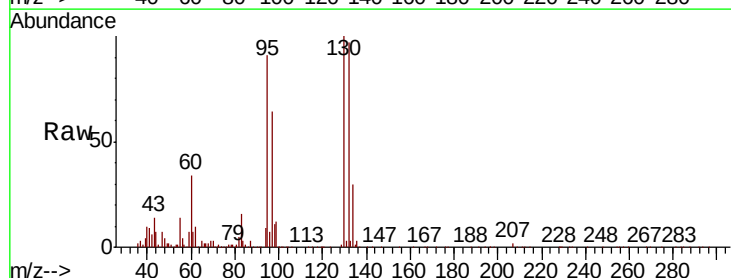
Acq: 12 Jun 2019 13:13

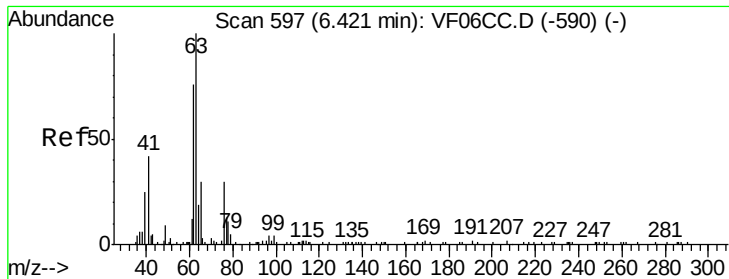
Tgt Ion:130 Resp: 193974

Ion Ratio Lower Upper

130 100

95 91.1 0.0 188.2





#45

1,2-Dichloropropane

Concen: 19.078 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

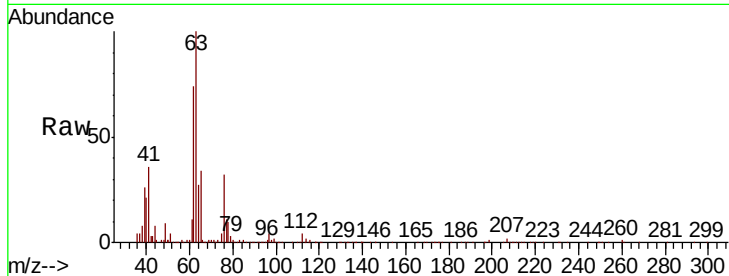
ClientSampleId :

Tot Ion: 63 Resp: 160338

Ion Ratio Lower Upper

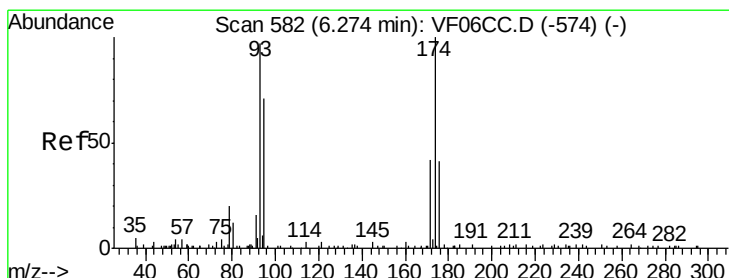
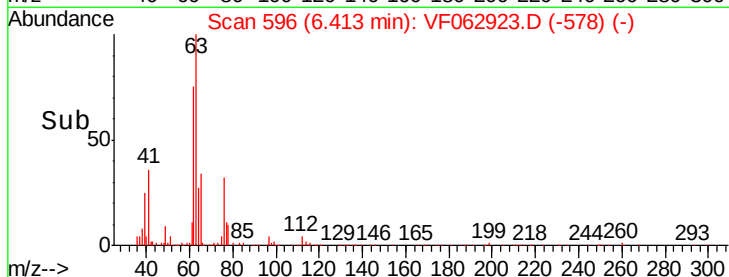
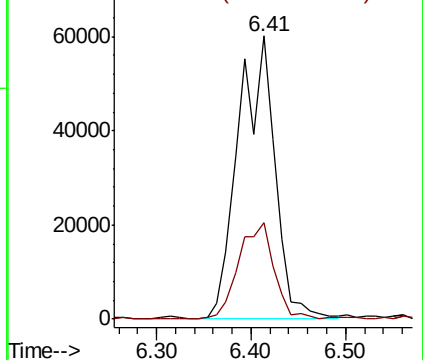
63 100

65 34.1 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.468 ug/l

RT: 6.26 min Scan# 580

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

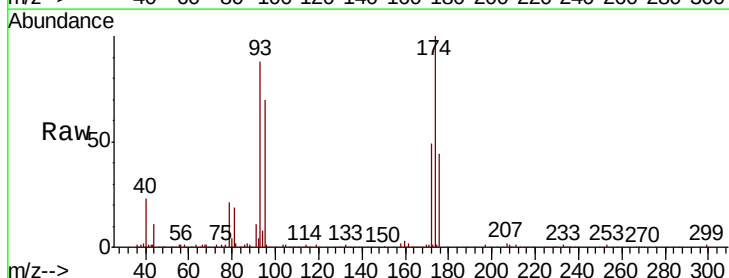
Tgt Ion: 93 Resp: 105338

Ion Ratio Lower Upper

93 100

95 79.0 67.9 101.9

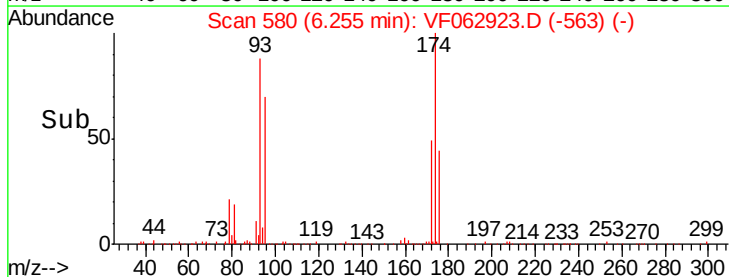
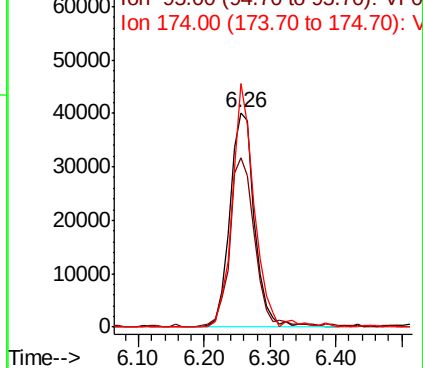
174 114.6 85.0 127.4

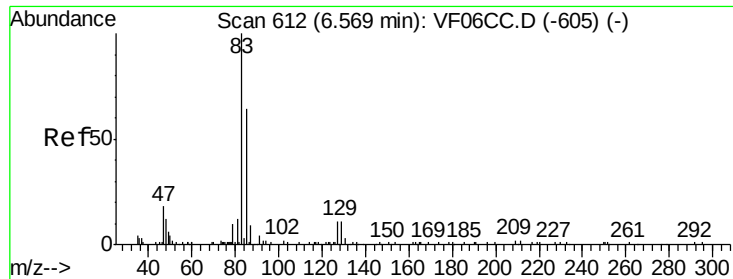


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.964 ug/l

RT: 6.54 min Scan# 609

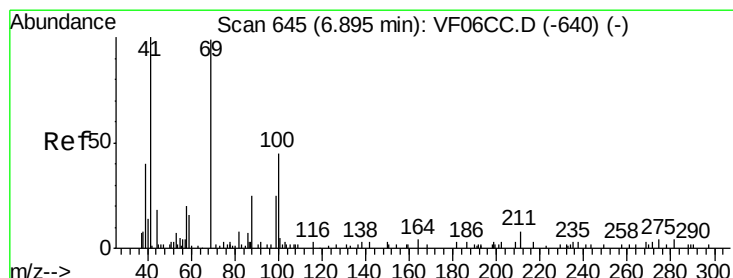
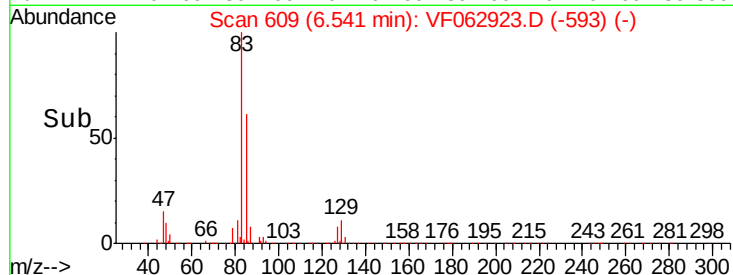
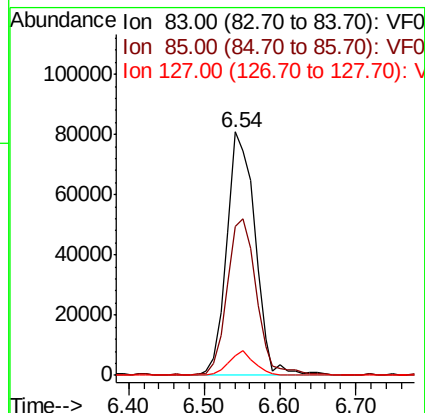
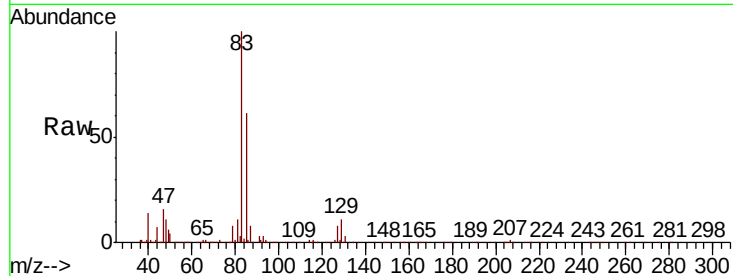
Delta R.T. -0.04 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	209495
Ion	Ratio	Lower	Upper
83	100		
85	61.3	54.2	81.4
127	8.2	7.0	10.4



#48

Methyl methacrylate

Concen: 18.764 ug/l

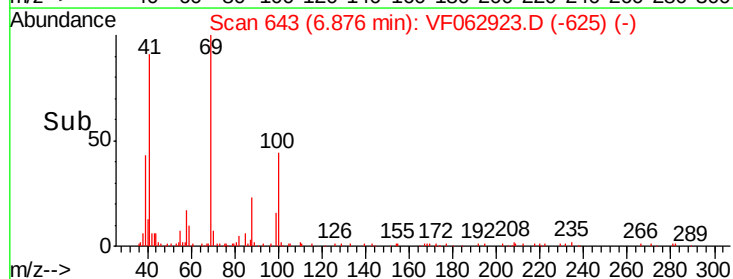
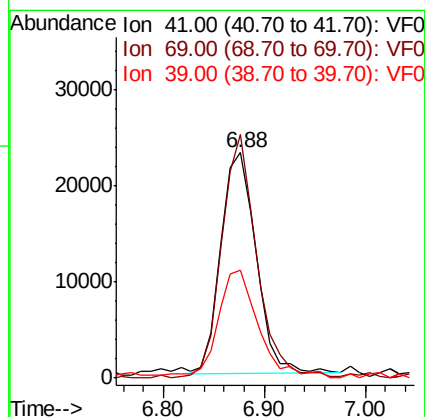
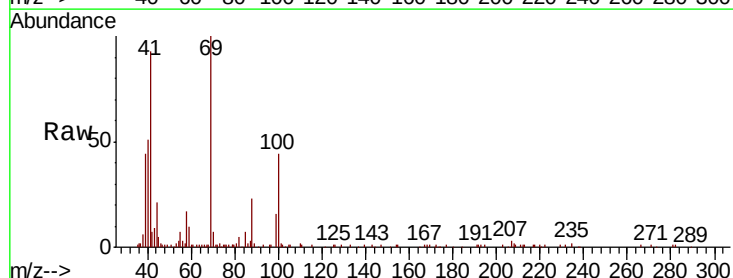
RT: 6.88 min Scan# 643

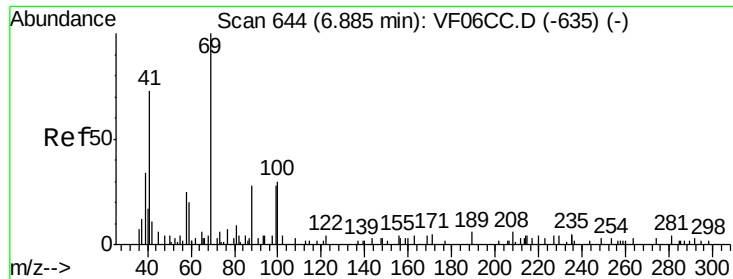
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	41	Resp:	56191
Ion	Ratio	Lower	Upper
41	100		
69	107.9	79.4	119.2
39	47.7	39.8	59.6





#49

1,4-Dioxane

Concen: 433.457 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

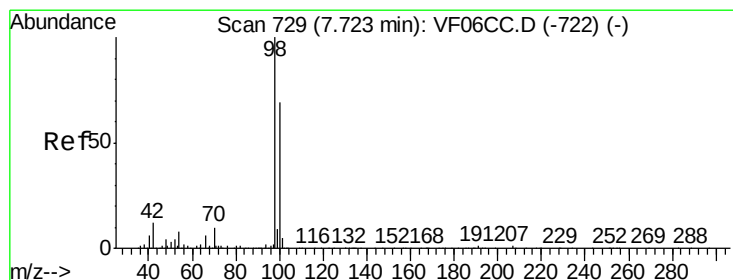
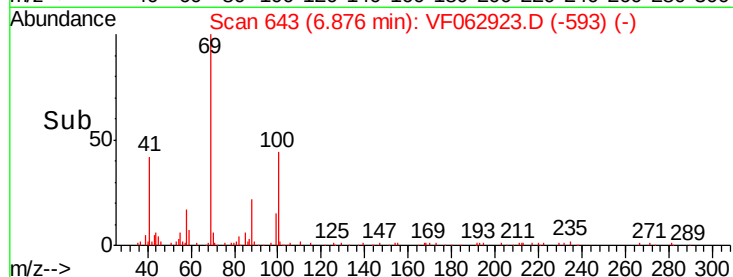
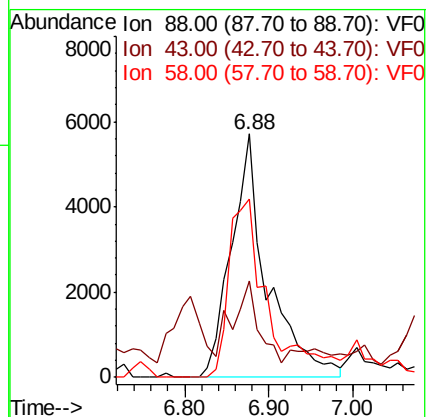
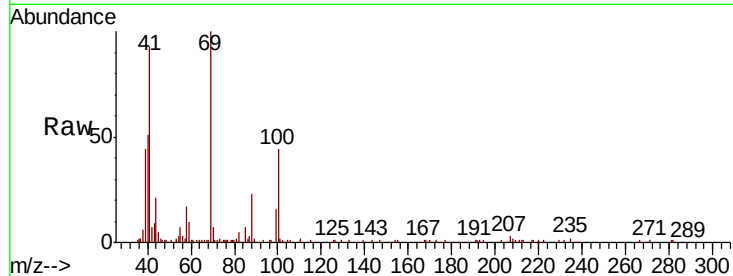
Tot Ion: 88 Resp: 17110

Ion Ratio Lower Upper

88 100

43 39.7 34.8 52.2

58 73.4 59.9 89.9



#50

Toluene-d8

Concen: 54.949 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062923.D

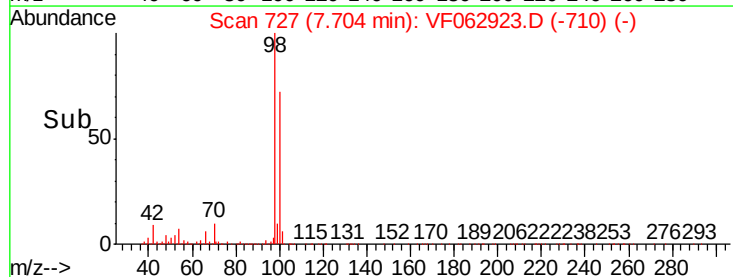
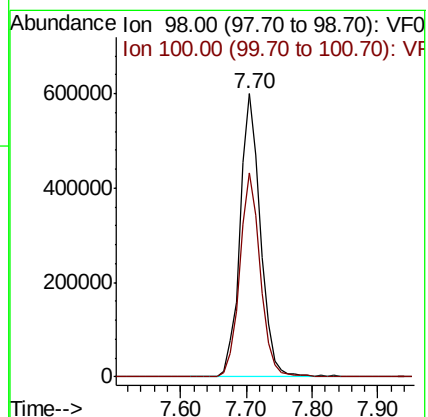
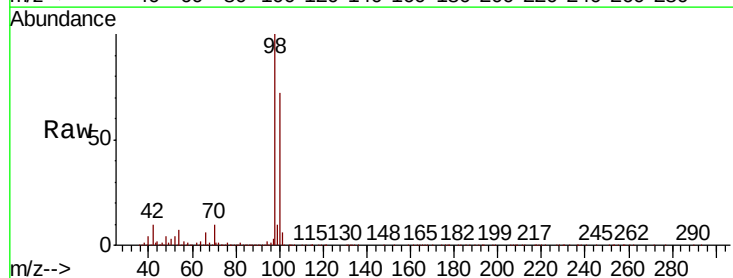
Acq: 12 Jun 2019 13:13

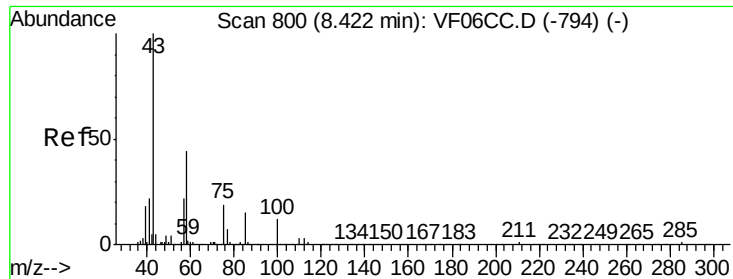
Tgt Ion: 98 Resp: 1312473

Ion Ratio Lower Upper

98 100

100 72.2 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 106.789 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

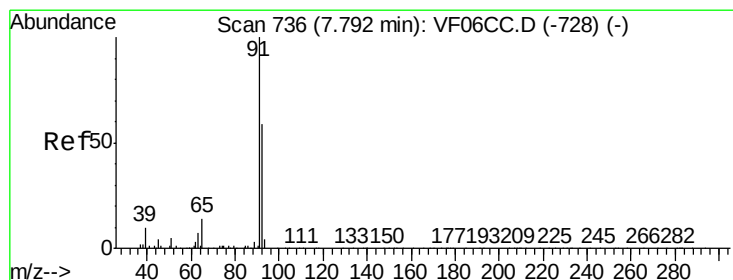
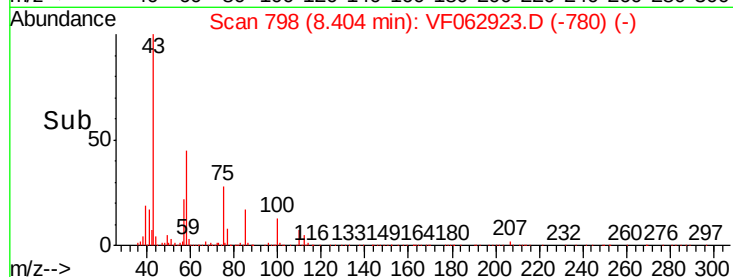
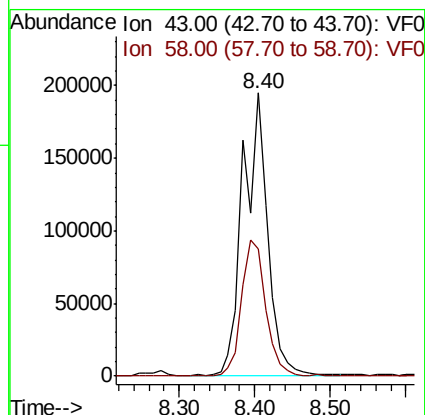
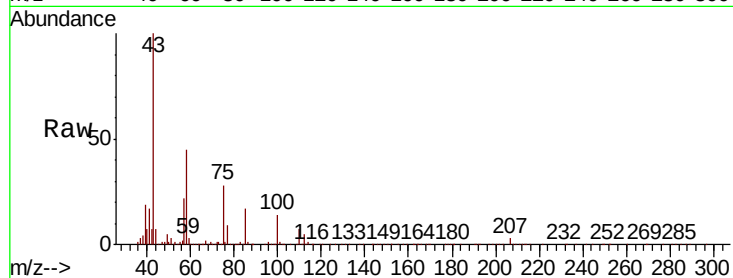
ClientSampleId :

Tot Ion: 43 Resp: 443022

Ion Ratio Lower Upper

43 100

58 44.9 35.5 53.3



#52

Toluene

Concen: 22.564 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062923.D

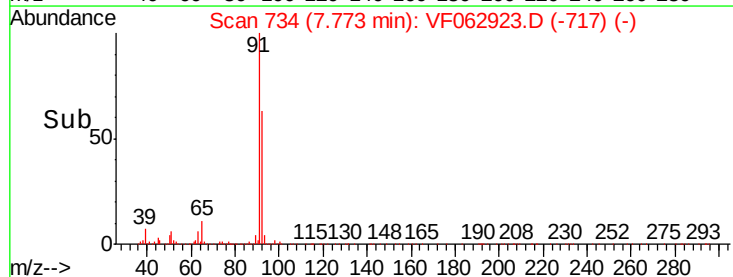
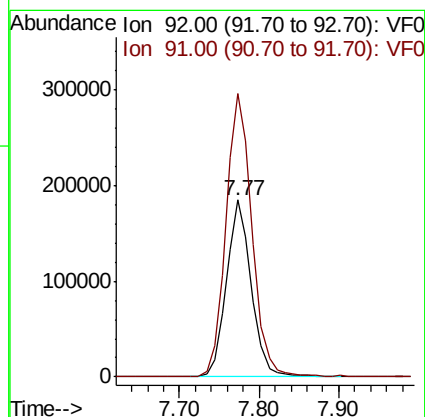
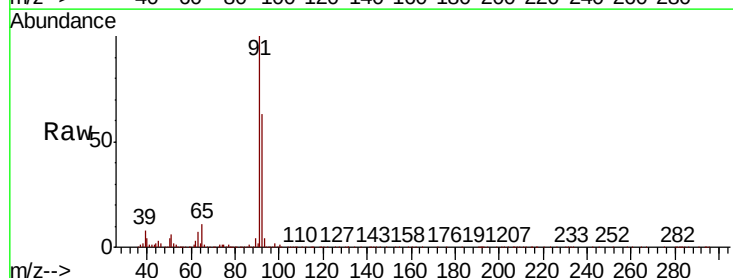
Acq: 12 Jun 2019 13:13

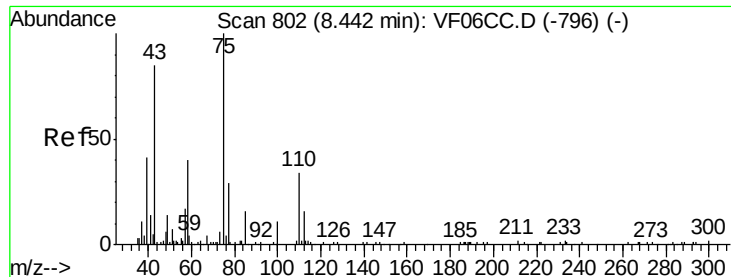
Tgt Ion: 92 Resp: 407011

Ion Ratio Lower Upper

92 100

91 159.8 123.2 184.8

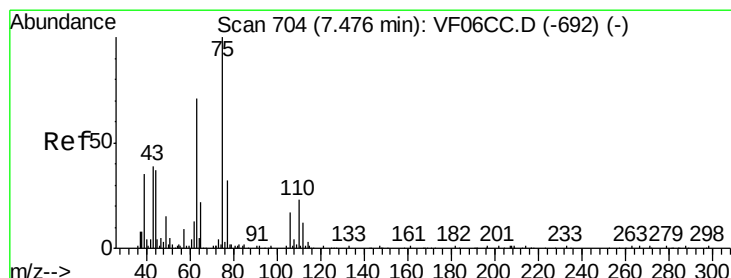
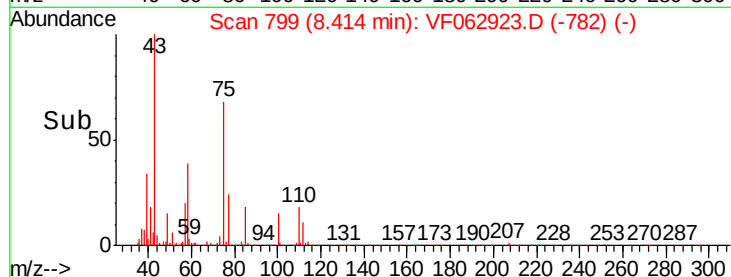
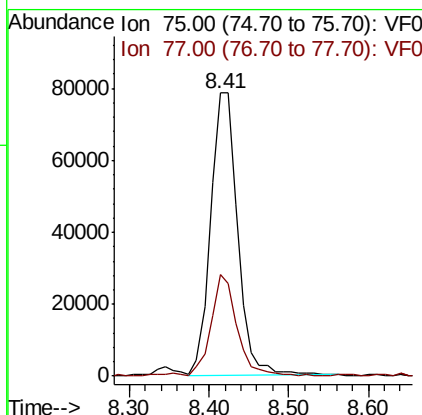
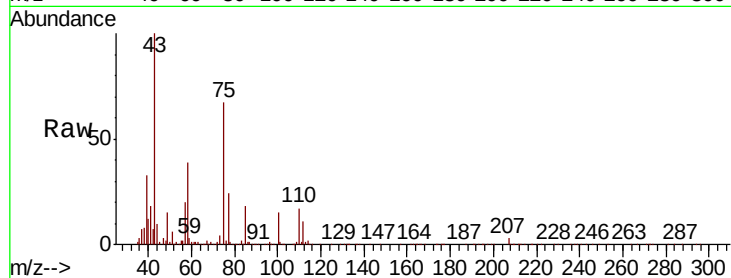




#53
t-1,3-Dichloropropene
Concen: 22.705 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

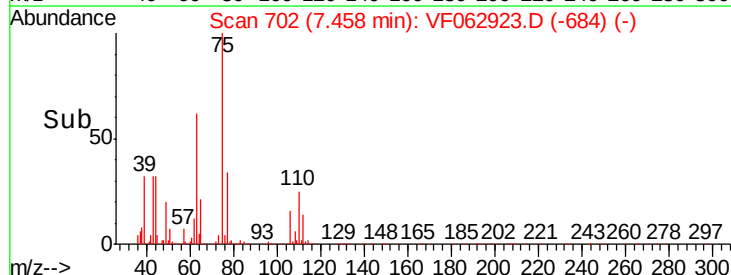
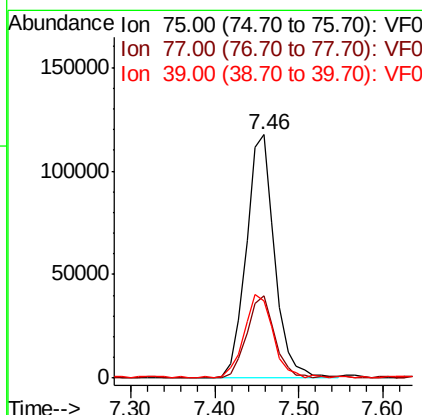
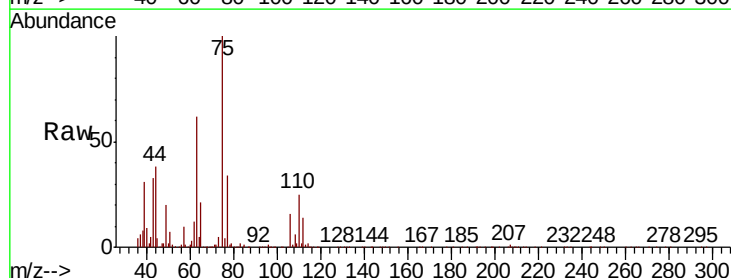
Instrument :
MSVOA_F
ClientSampleId :

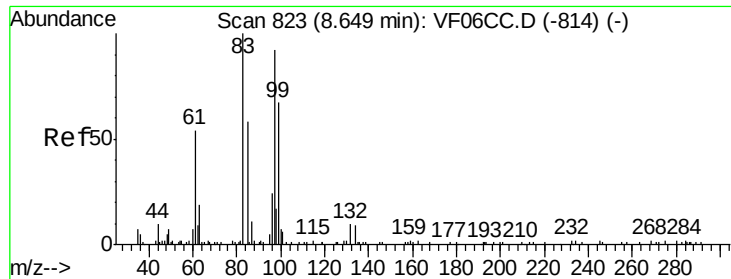
Tot Ion: 75 Resp: 188008
Ion Ratio Lower Upper
75 100
77 35.9 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 23.059 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 75 Resp: 276393
Ion Ratio Lower Upper
75 100
77 34.0 25.8 38.8
39 31.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.019 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 118657

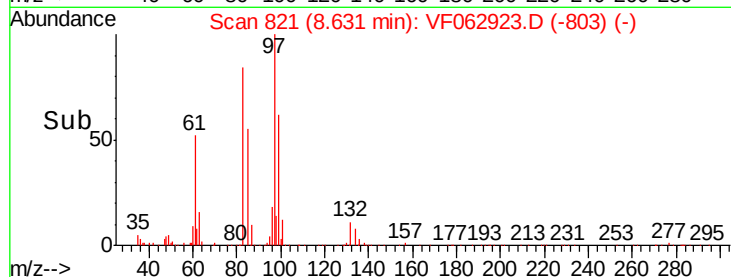
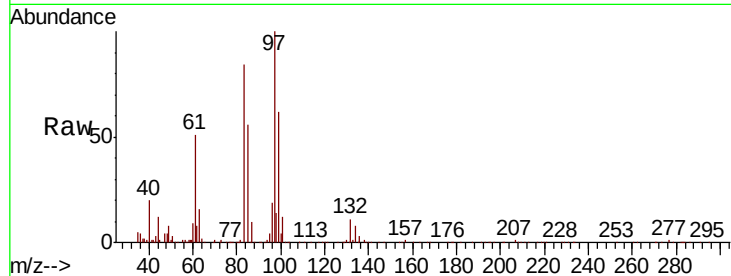
Ion	Ratio	Lower	Upper
97	100		
83	83.8	72.0	108.0
85	55.7	47.5	71.3
99	61.8	54.1	81.1

97 100

83 83.8 72.0 108.0

85 55.7 47.5 71.3

99 61.8 54.1 81.1

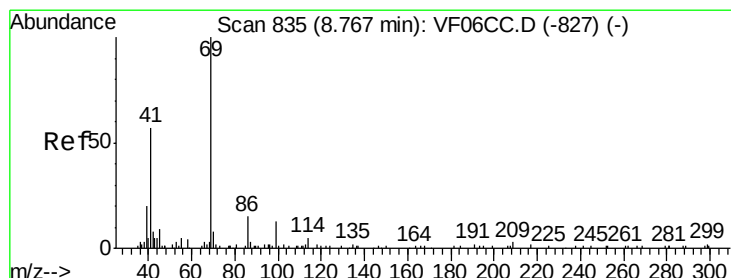
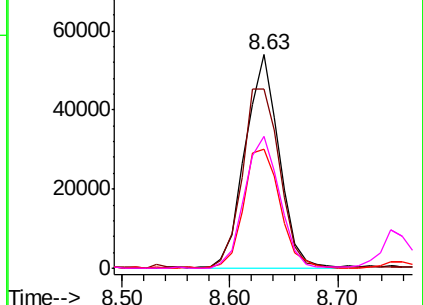


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



#56

Ethyl methacrylate

Concen: 19.500 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

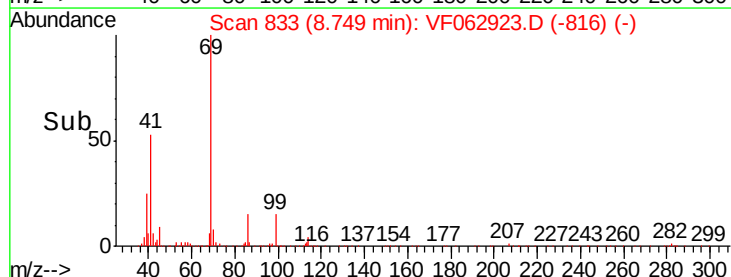
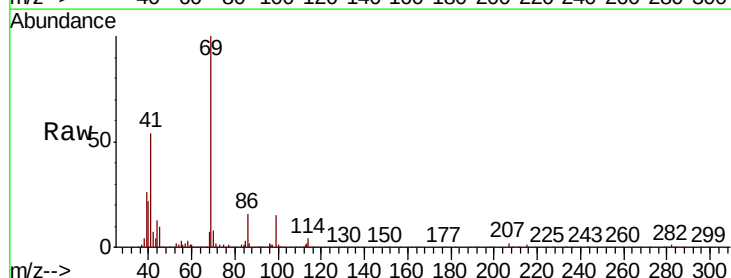
Tgt Ion: 69 Resp: 112748

Ion	Ratio	Lower	Upper
69	100		
41	54.0	46.6	69.8
39	26.2	19.6	29.4

69 100

41 54.0 46.6 69.8

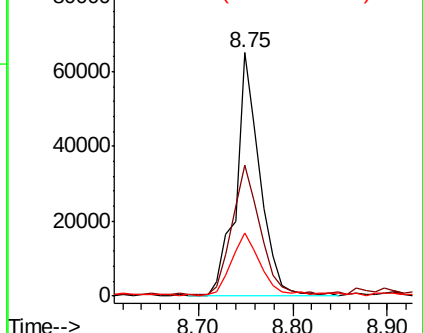
39 26.2 19.6 29.4

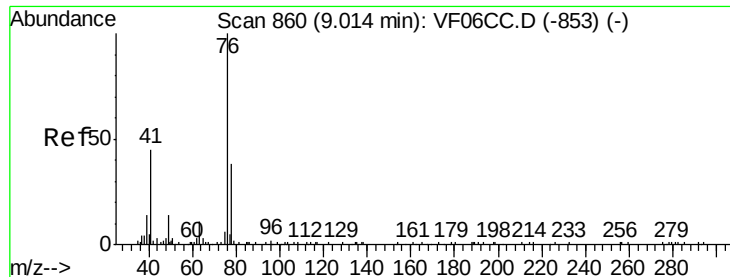


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

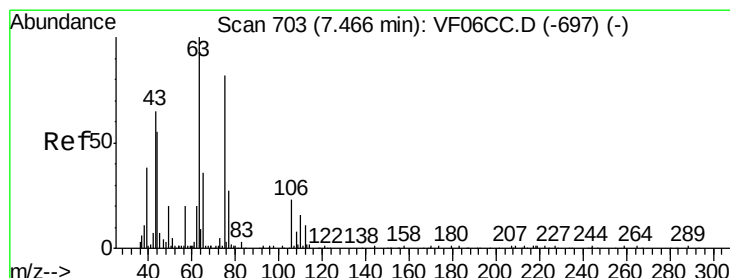
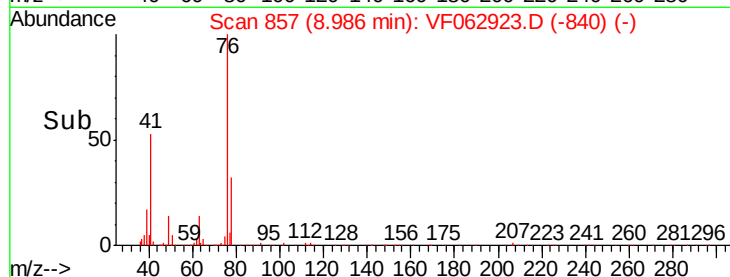
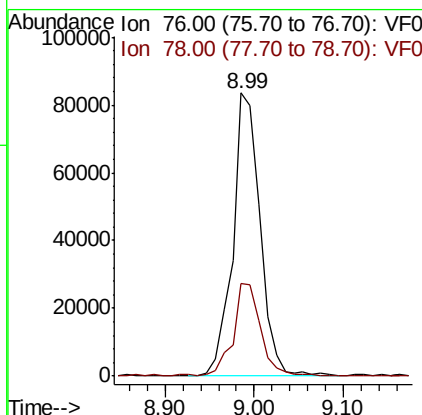
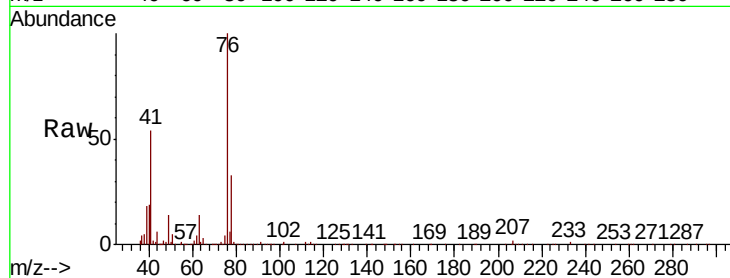




#57
 1,3-Dichloropropane
 Concen: 20.385 ug/l
 RT: 8.99 min Scan# 857
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

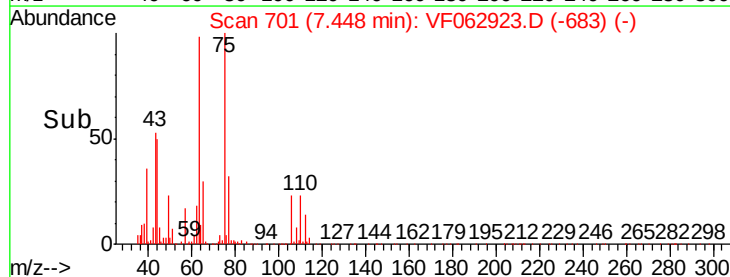
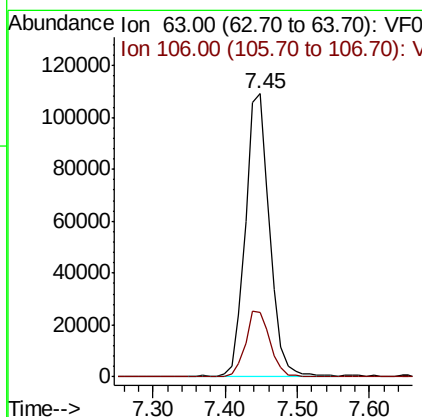
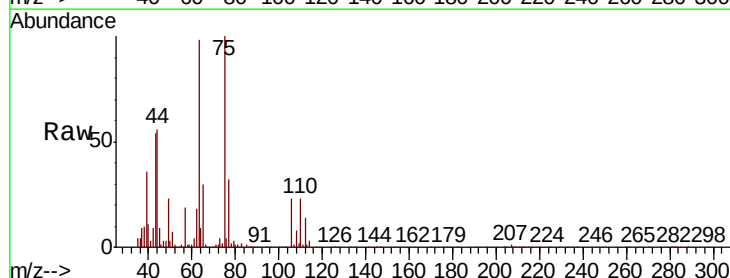
Instrument :
 MSVOA_F
 ClientSampleId :

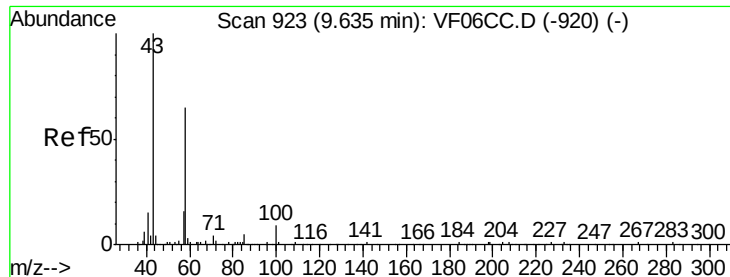
Tot Ion: 76 Resp: 179391
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.188 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion: 63 Resp: 257018
 Ion Ratio Lower Upper
 63 100
 106 23.0 19.5 29.3

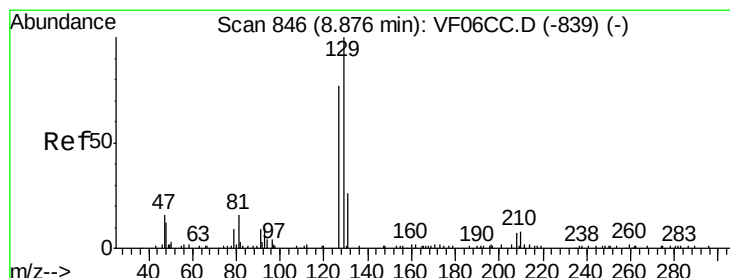
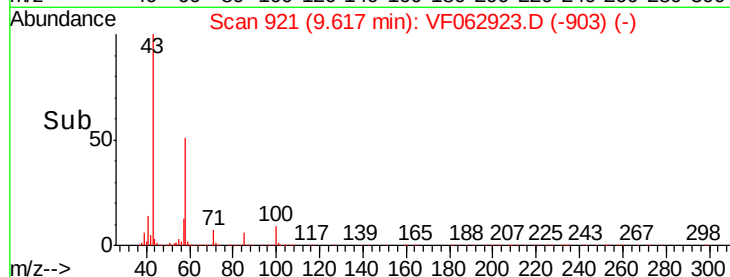
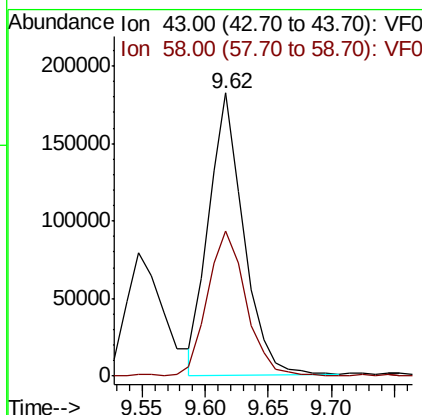
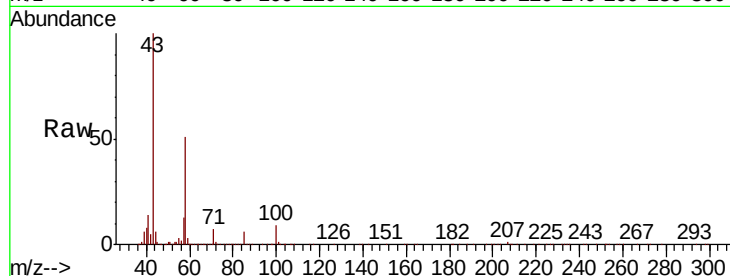




#59
2-Hexanone
Concen: 117.308 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

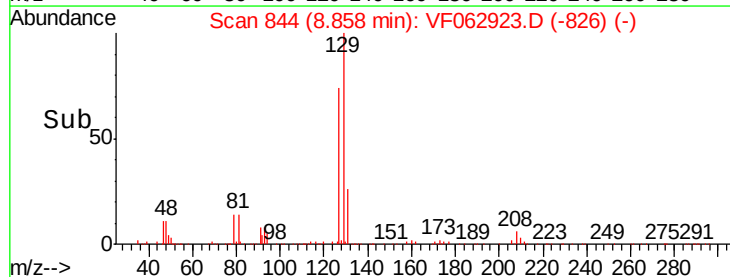
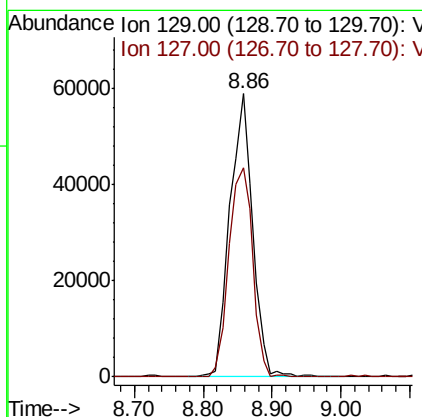
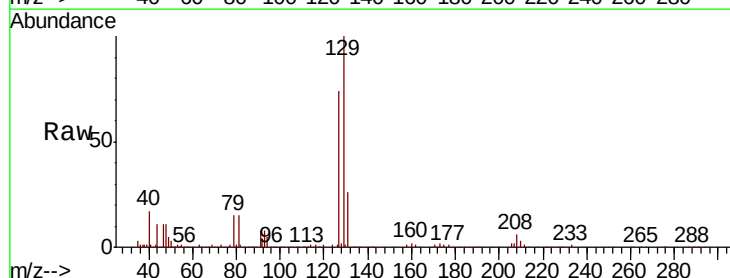
Instrument :
MSVOA_F
ClientSampleId :

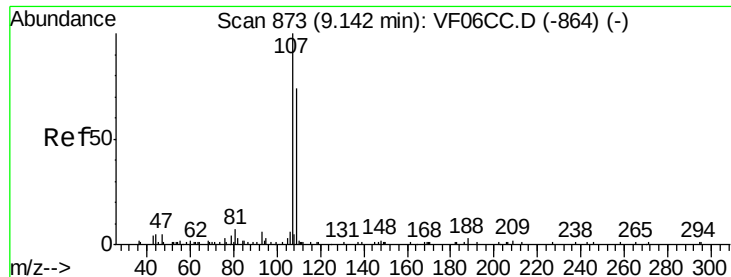
Tot Ion: 43 Resp: 346877
Ion Ratio Lower Upper
43 100
58 51.2 29.3 87.9



#60
Dibromochloromethane
Concen: 20.282 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 129 Resp: 135318
Ion Ratio Lower Upper
129 100
127 73.9 37.1 111.3





#61

1,2-Dibromoethane

Concen: 17.700 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

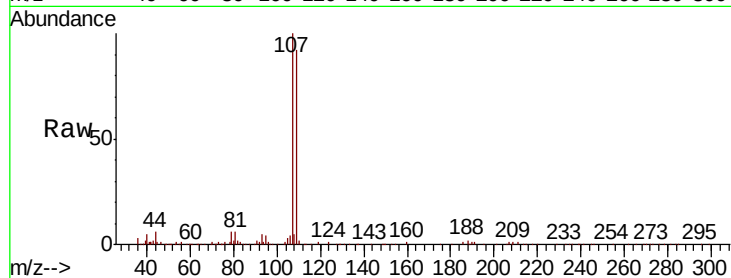
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 99061

Ion Ratio Lower Upper

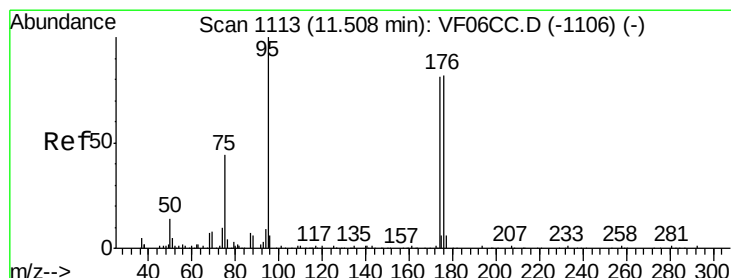
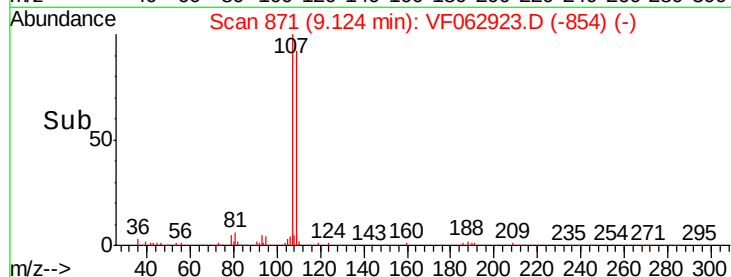
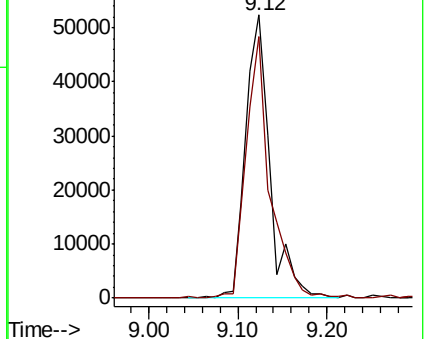
107 100

109 92.2 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: 48.523 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

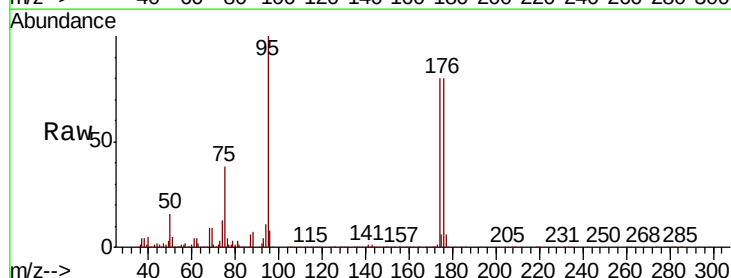
Tgt Ion: 95 Resp: 416905

Ion Ratio Lower Upper

95 100

174 79.6 0.0 170.6

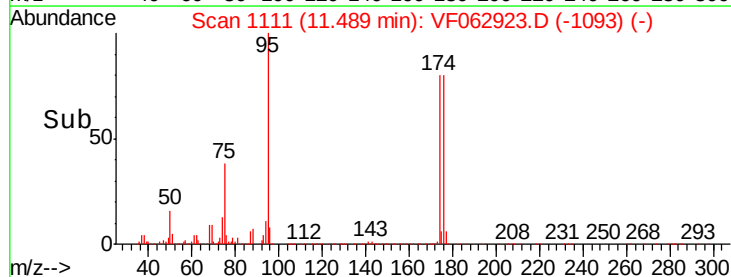
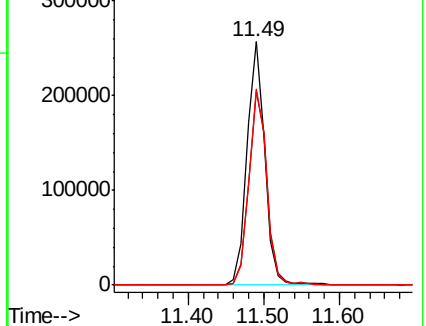
176 80.5 0.0 170.6

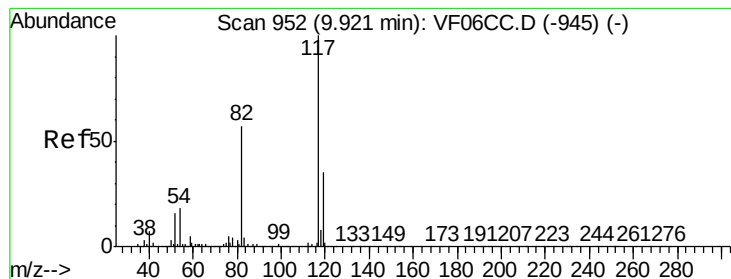


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.90 min Scan# 950

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

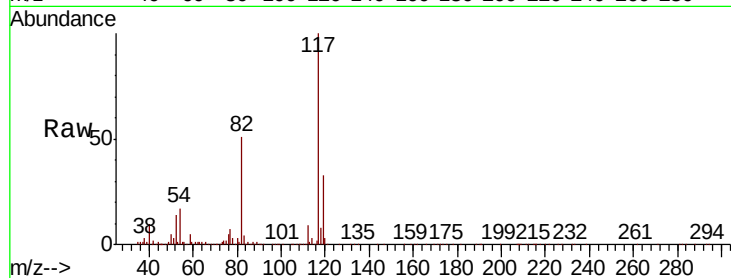
Tot Ion:117 Resp: 959601

Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

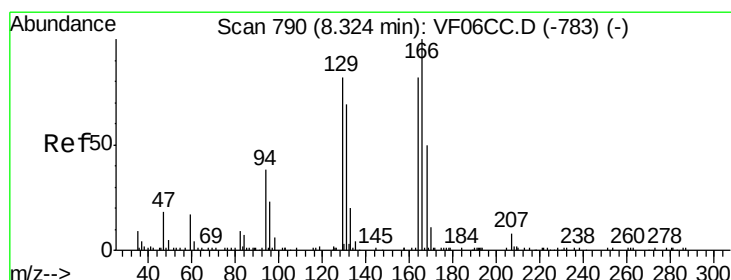
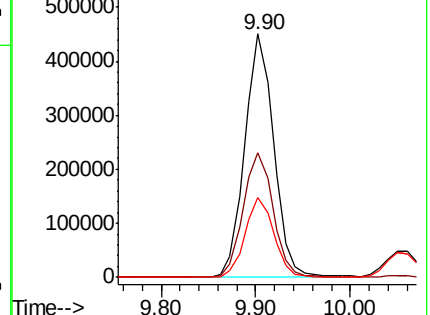
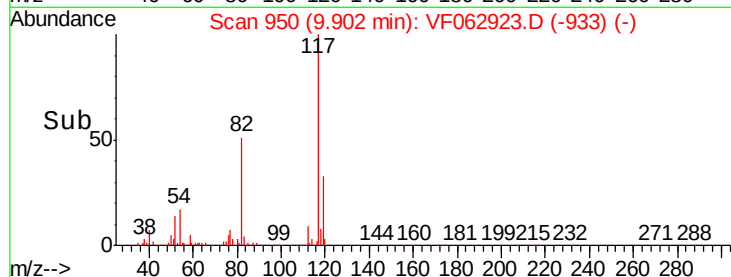
119 32.7 27.1 40.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 16.602 ug/l

RT: 8.31 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:164 Resp: 122425

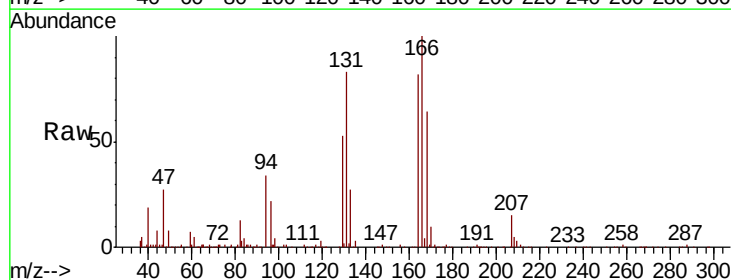
Ion Ratio Lower Upper

164 100

166 122.6 99.1 148.7

129 65.5 69.5 104.3#

131 101.4 69.2 103.8

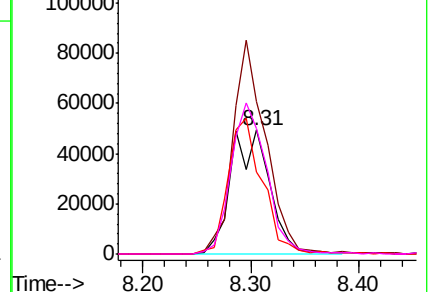
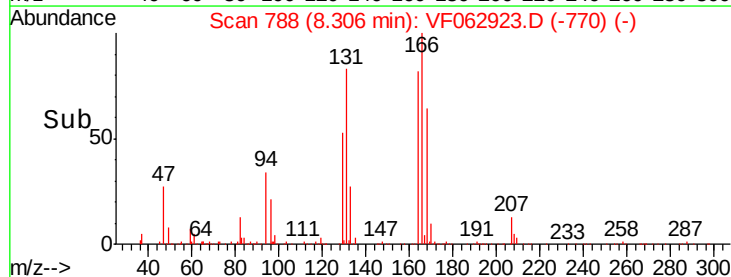


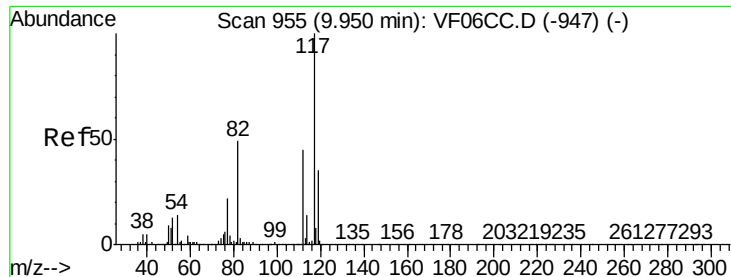
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

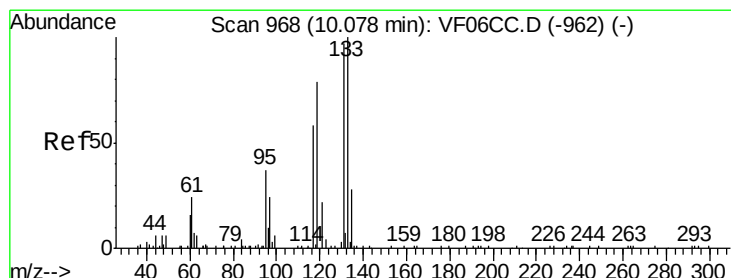
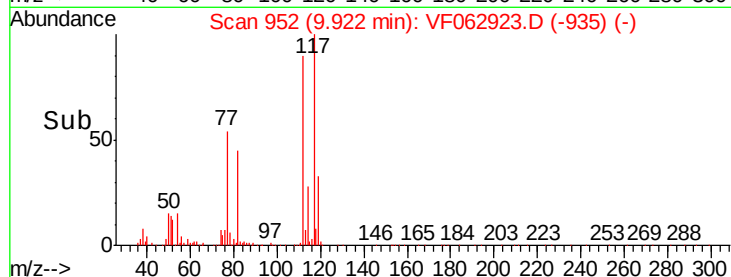
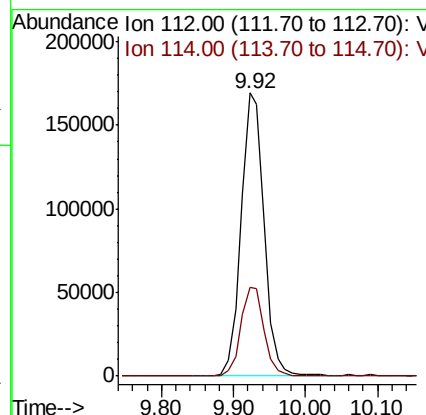
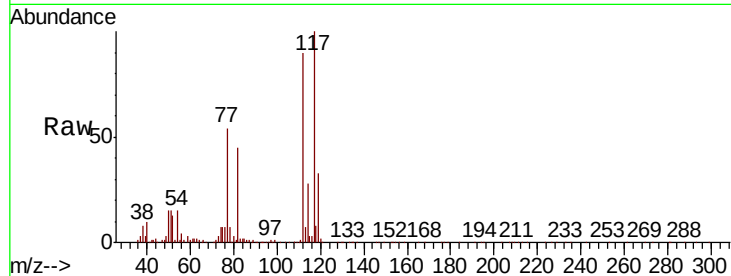




#65
Chlorobenzene
Concen: 20.357 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

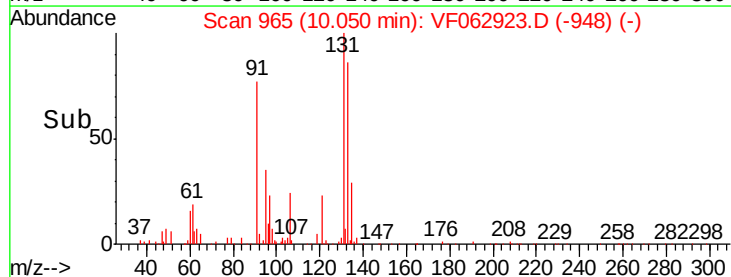
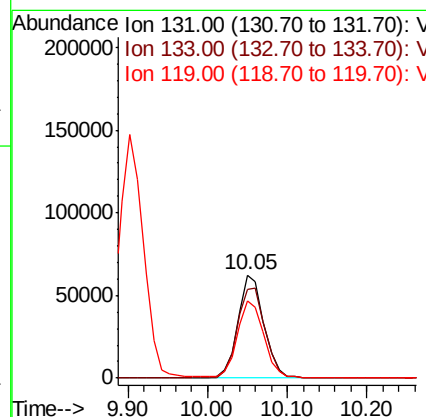
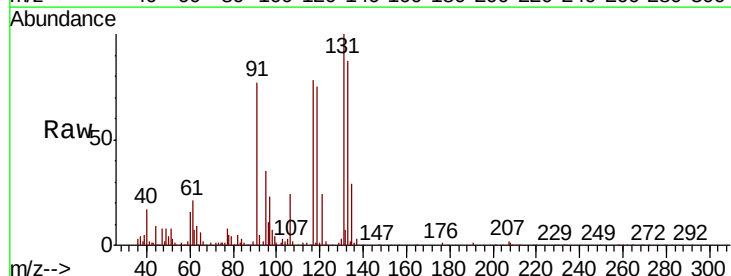
Instrument :
MSVOA_F
ClientSampled :

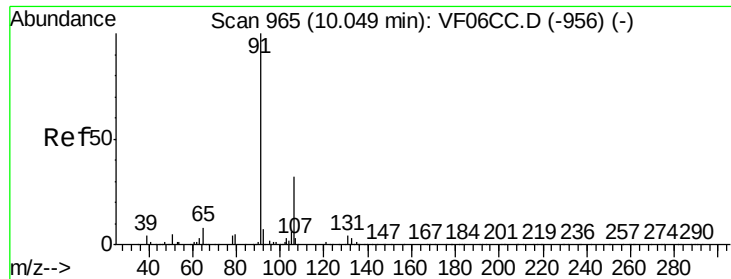
Tot Ion:112 Resp: 377252
Ion Ratio Lower Upper
112 100
114 31.6 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.322 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion:131 Resp: 142598
Ion Ratio Lower Upper
131 100
133 86.7 48.9 146.7
119 74.9 38.0 114.0

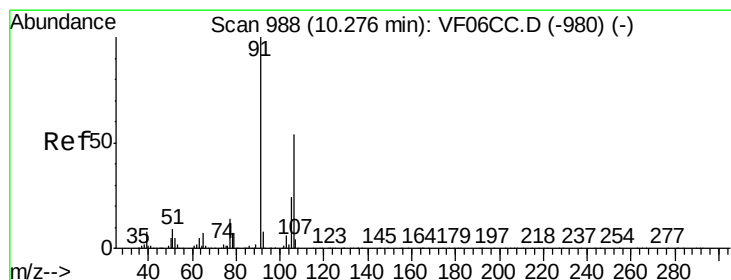
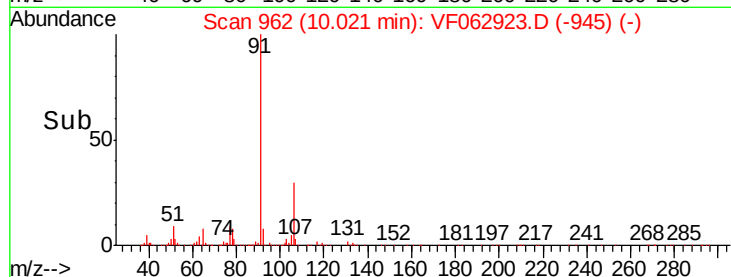
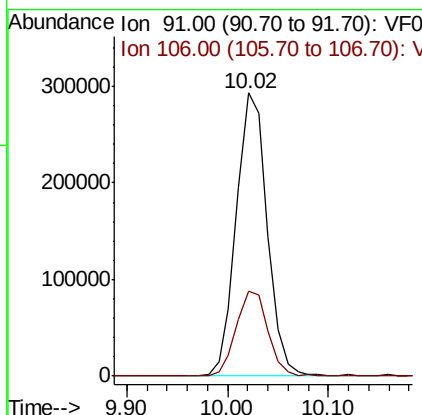
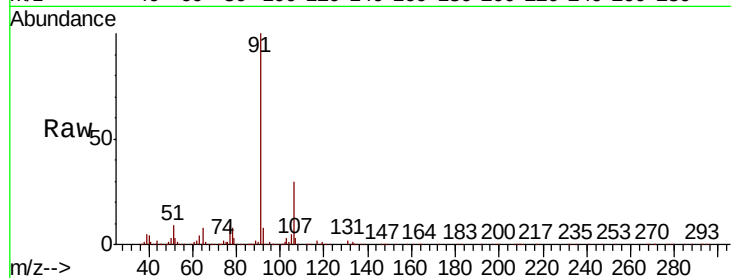




#67
Ethyl Benzene
Concen: 19.787 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

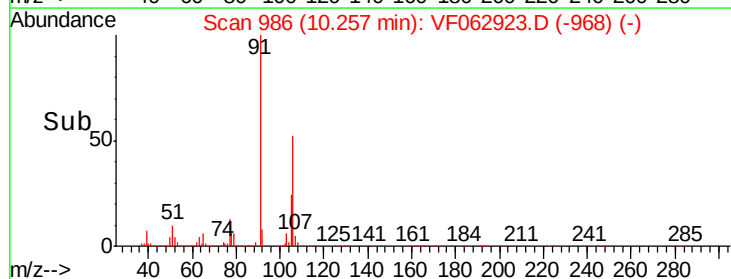
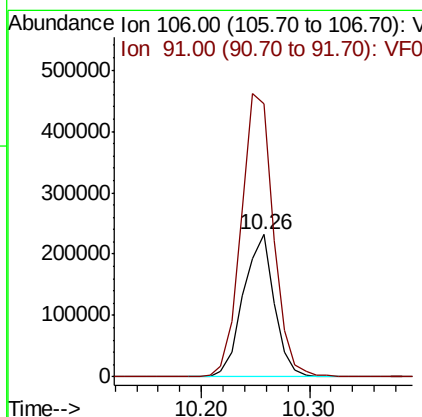
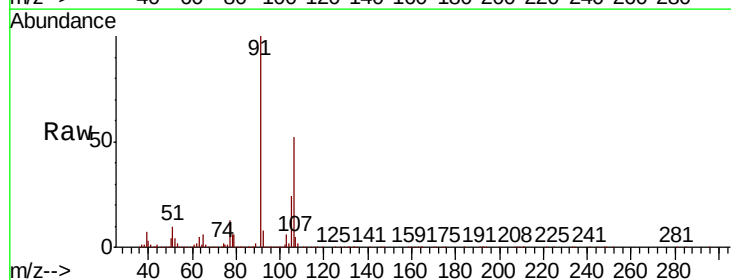
Instrument :
MSVOA_F
ClientSampleId :

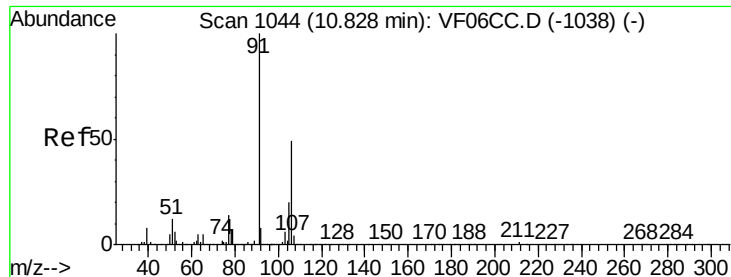
Tot Ion: 91 Resp: 629247
Ion Ratio Lower Upper
91 100
106 30.0 26.0 39.0



#68
m/p-Xylenes
Concen: 37.929 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 106 Resp: 461558
Ion Ratio Lower Upper
106 100
91 192.5 136.2 204.4

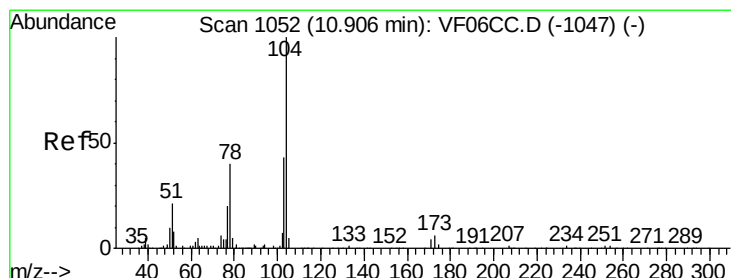
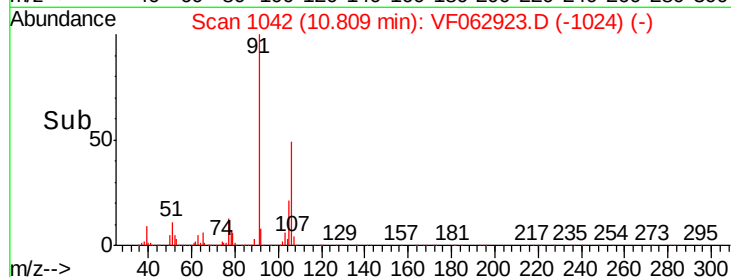
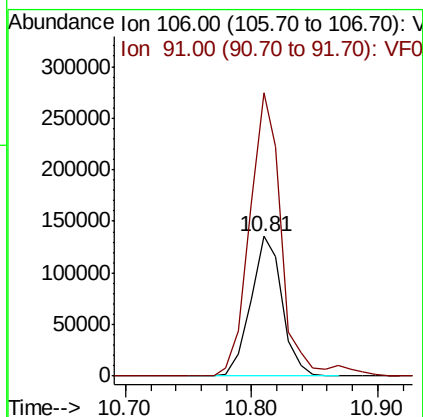
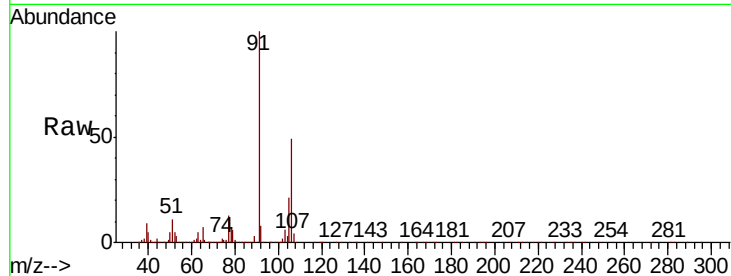




#69
o-Xylene
Concen: 19.021 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

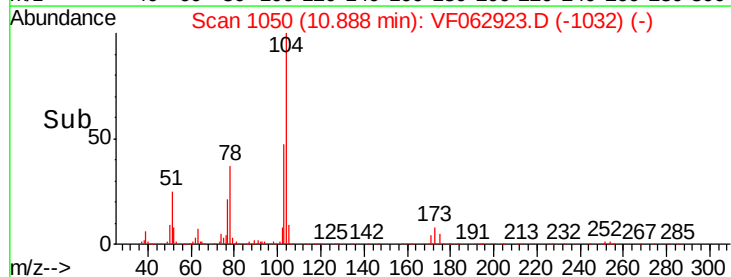
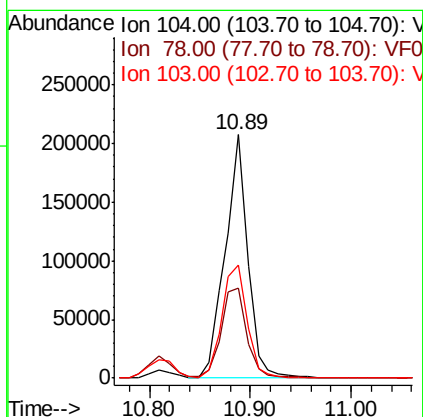
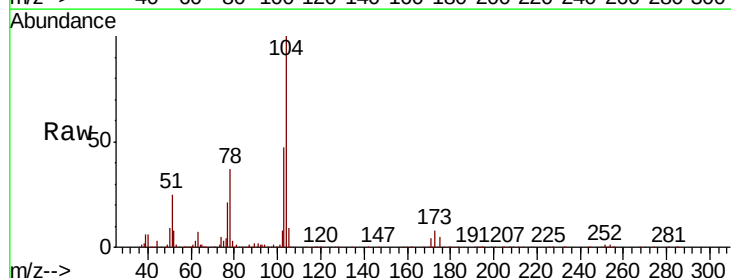
Instrument :
MSVOA_F
ClientSampled :

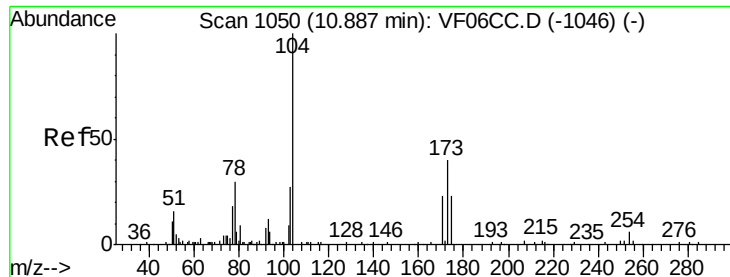
Tot Ion:106 Resp: 234351
Ion Ratio Lower Upper
106 100
91 202.4 96.6 289.8



#70
Styrene
Concen: 17.752 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion:104 Resp: 322372
Ion Ratio Lower Upper
104 100
78 36.8 30.8 46.2
103 46.7 35.8 53.6





#71

Bromoform

Concen: 21.298 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

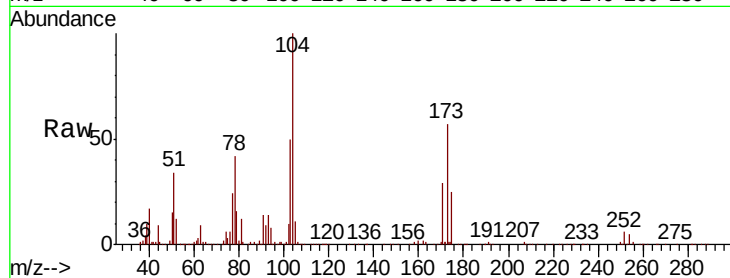
Tot Ion:173 Resp: 75406

Ion Ratio Lower Upper

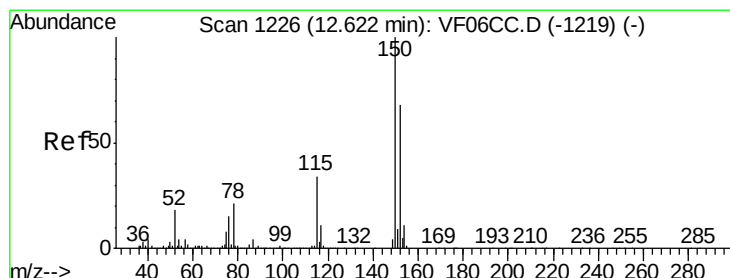
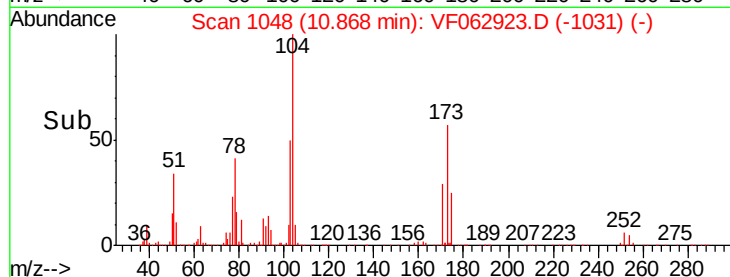
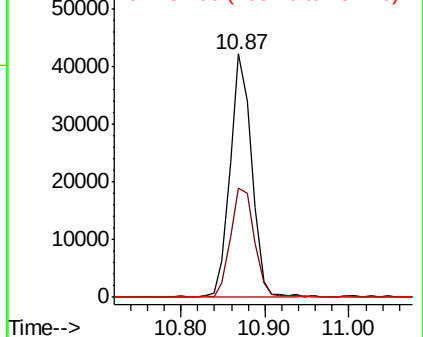
173 100

175 43.9 24.6 74.0

254 0.0 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: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

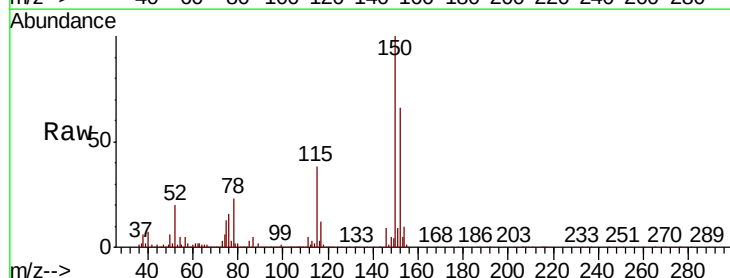
Tgt Ion:152 Resp: 429020

Ion Ratio Lower Upper

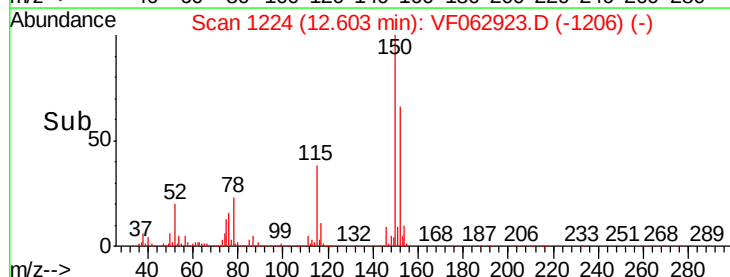
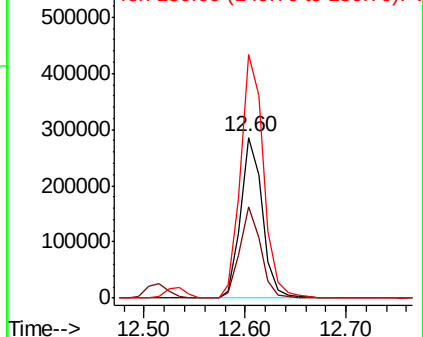
152 100

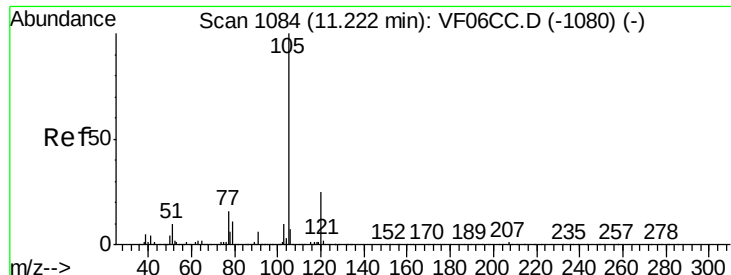
115 57.1 24.6 74.0

150 151.3 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: 24.126 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

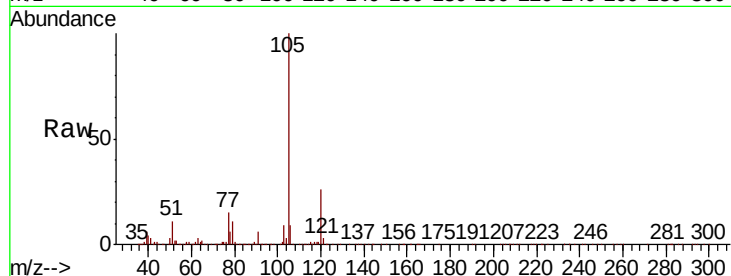
ClientSampled :

Tot Ion:105 Resp: 722221

Ion Ratio Lower Upper

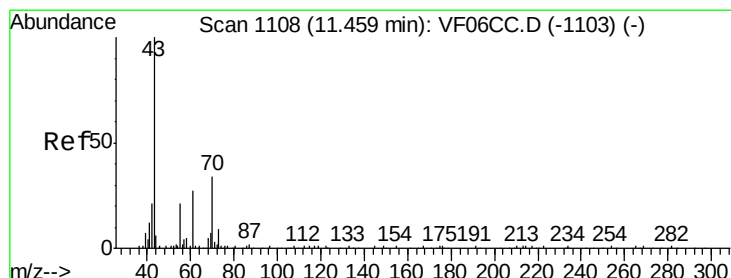
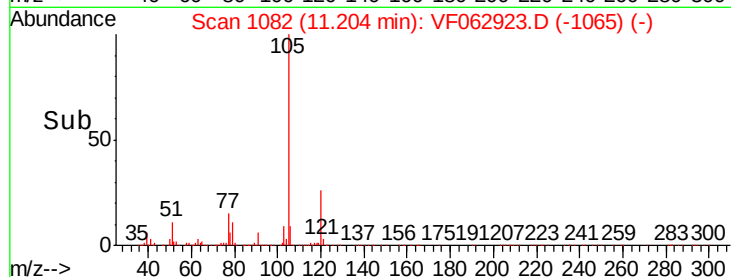
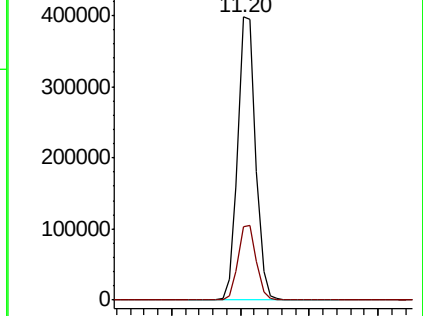
105 100

120 26.1 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: 23.911 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion: 43 Resp: 201736

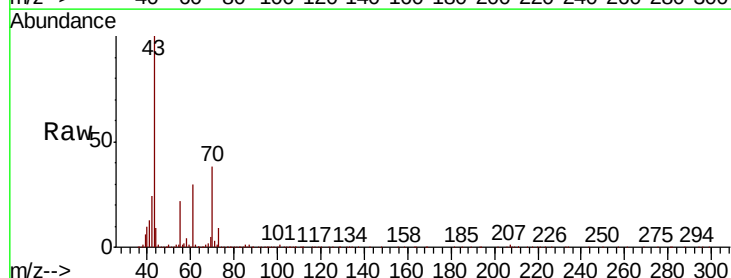
Ion Ratio Lower Upper

43 100

70 38.3 32.9 49.3

55 21.8 17.3 25.9

61 29.6 23.7 35.5

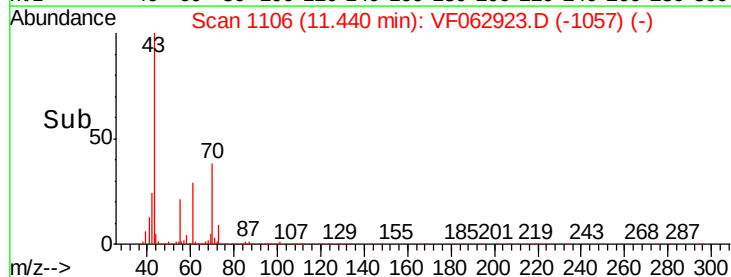
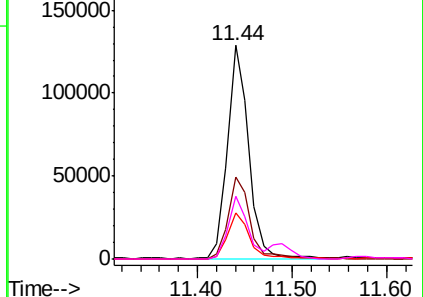


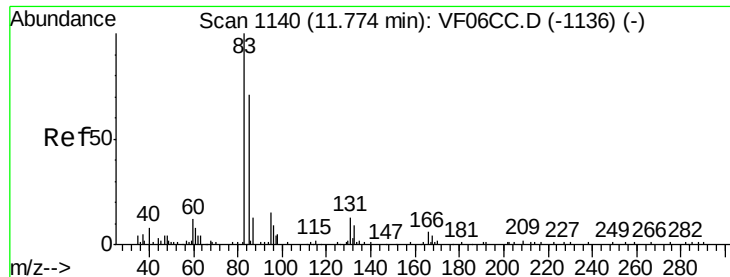
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.017 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

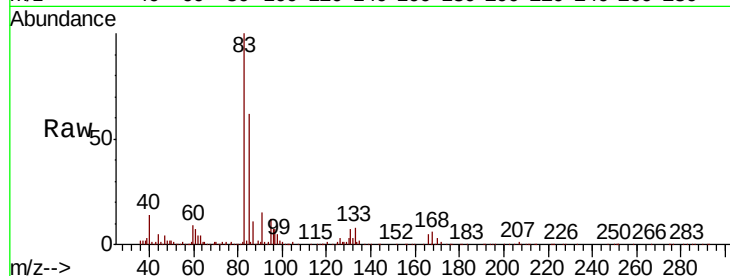
Tot Ion: 83 Resp: 140750

Ion Ratio Lower Upper

83 100

131 7.0 4.9 14.7

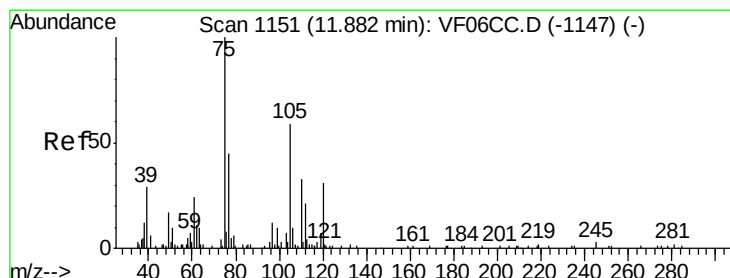
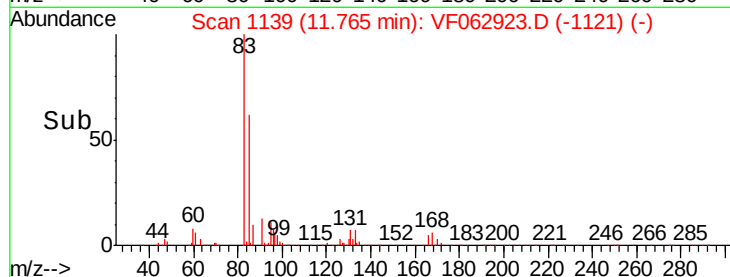
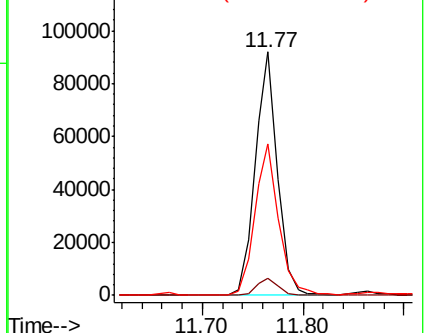
85 62.3 32.1 96.5



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: 23.303 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062923.D

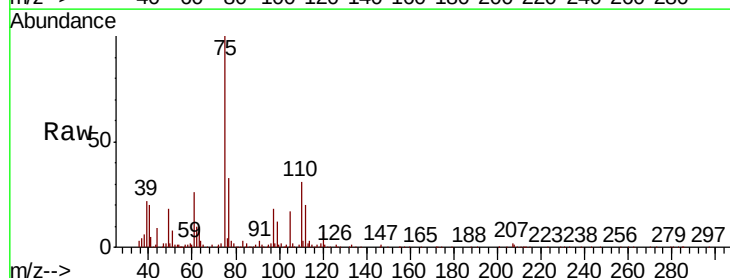
Acq: 12 Jun 2019 13:13

Tgt Ion: 75 Resp: 98746

Ion Ratio Lower Upper

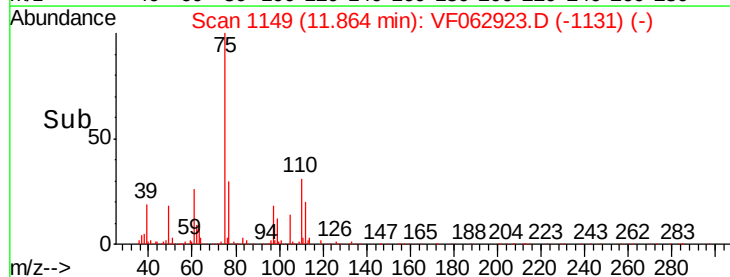
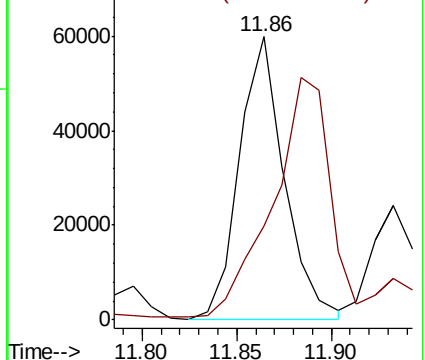
75 100

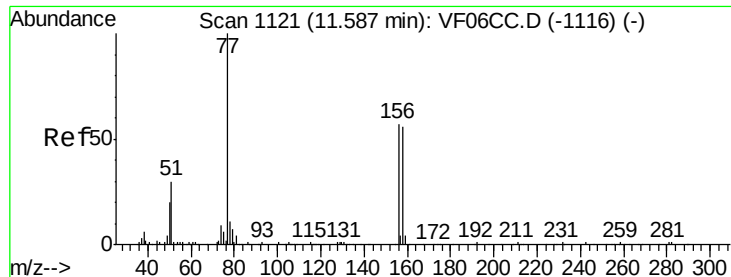
77 33.1 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.611 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

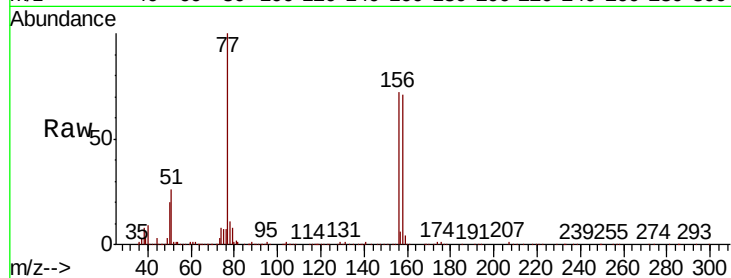
Tot Ion:156 Resp: 155024

Ion Ratio Lower Upper

156 100

77 139.6 64.2 192.6

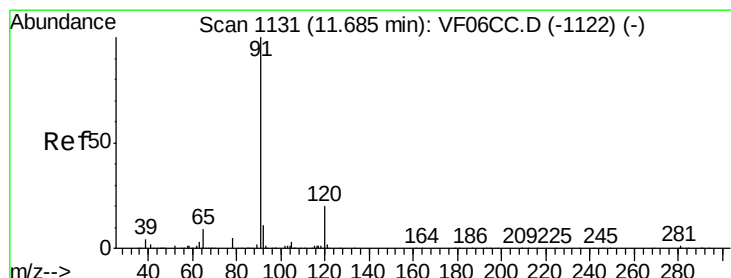
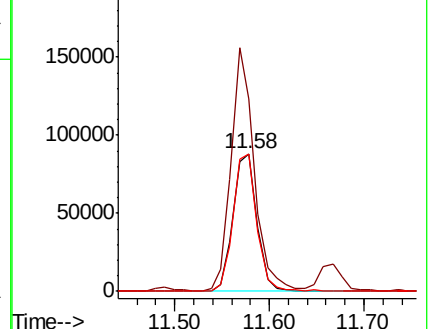
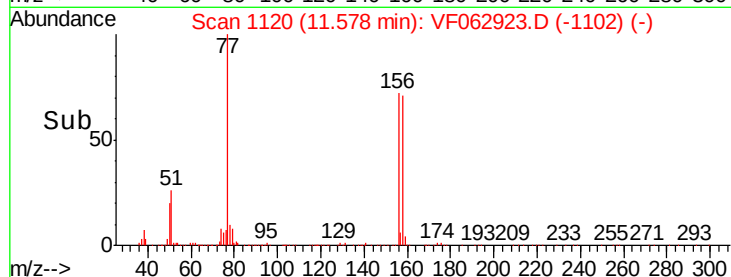
158 99.5 50.3 151.0



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: 22.506 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062923.D

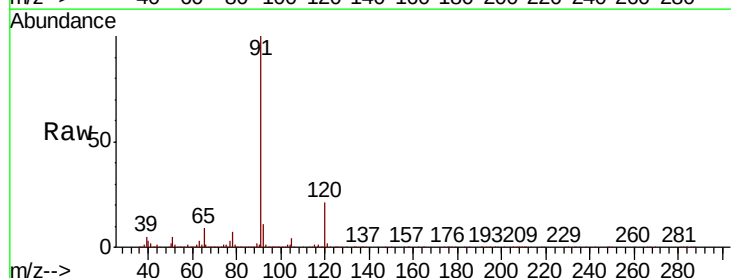
Acq: 12 Jun 2019 13:13

Tgt Ion: 91 Resp: 813465

Ion Ratio Lower Upper

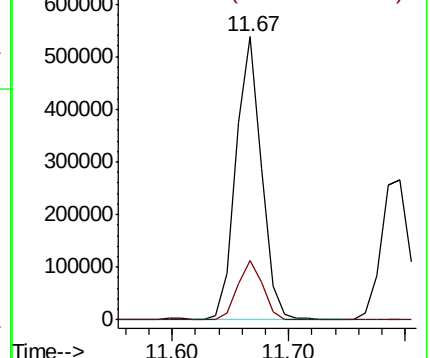
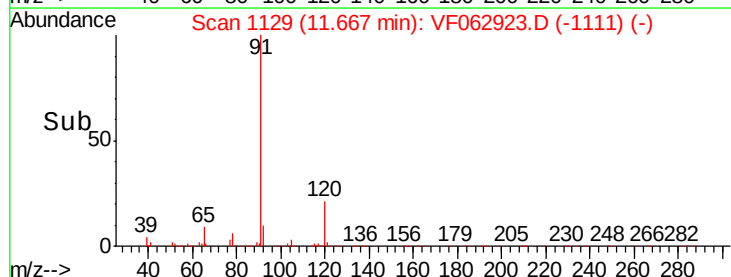
91 100

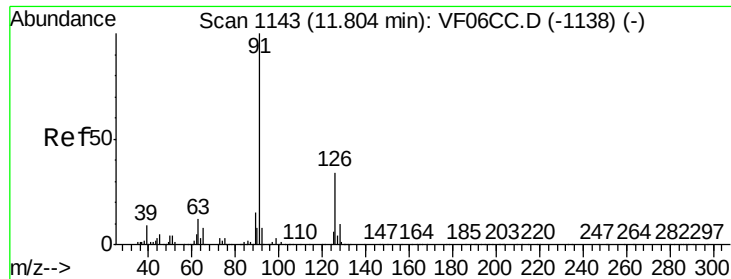
120 21.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

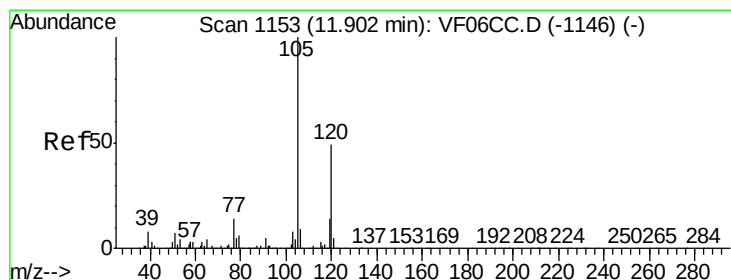
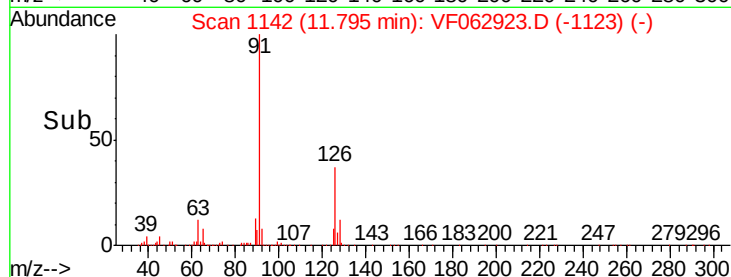
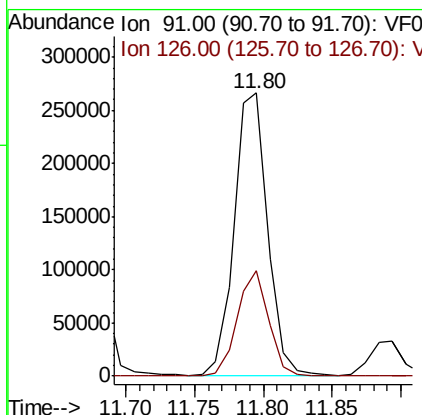
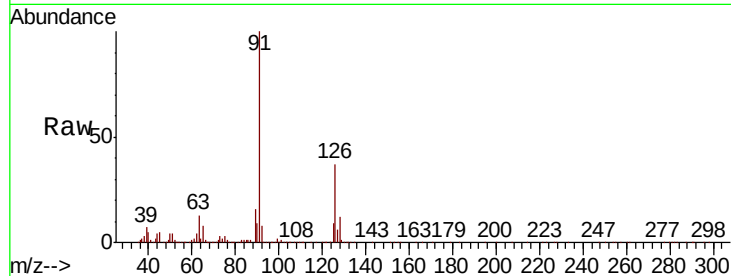




#79
 2-Chlorotoluene
 Concen: 21.585 ug/l
 RT: 11.80 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

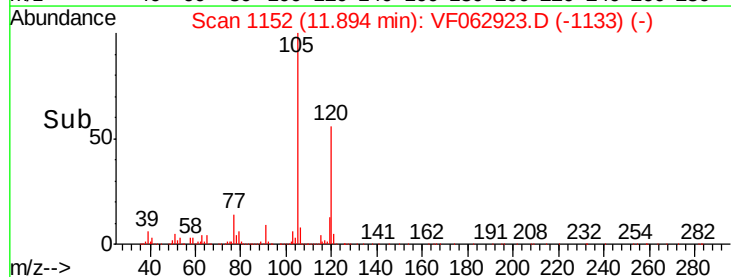
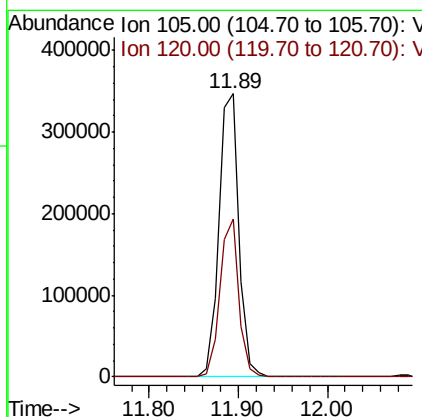
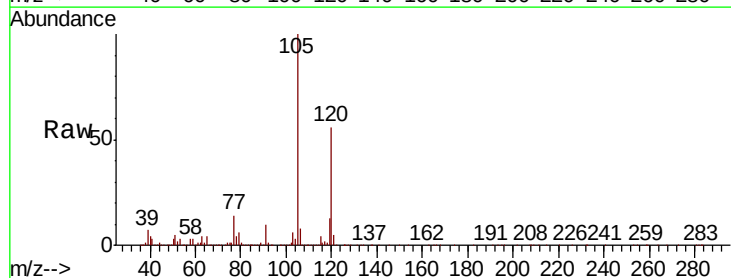
Instrument :
 MSVOA_F
 ClientSampleId :

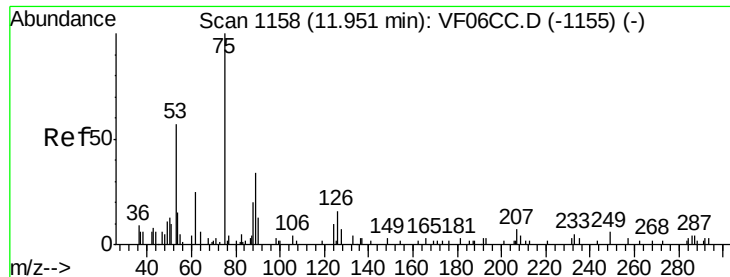
Tot Ion: 91 Resp: 446424
 Ion Ratio Lower Upper
 91 100
 126 37.2 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.435 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion: 105 Resp: 549227
 Ion Ratio Lower Upper
 105 100
 120 55.6 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 27.751 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

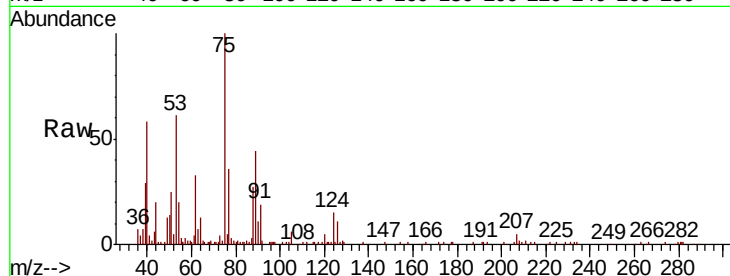
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 49785

Ion	Ratio	Lower	Upper
75	100		
53	60.5	43.5	65.3
89	44.4	34.3	51.5

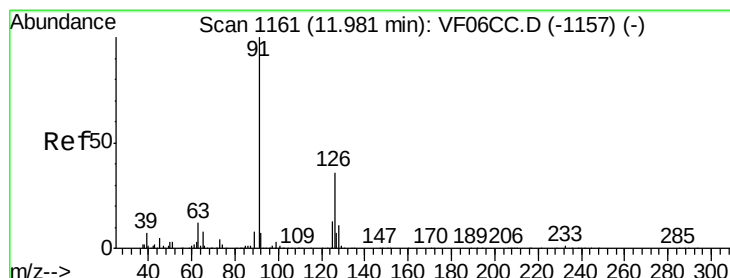
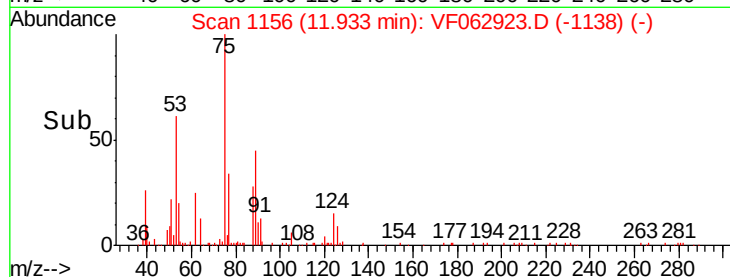
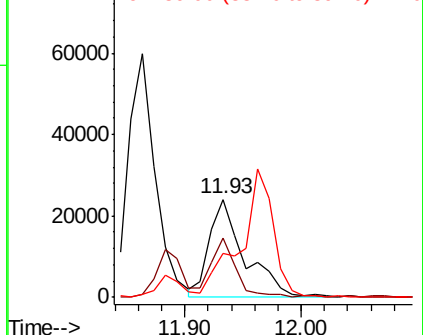


Abundance

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: 21.906 ug/l

RT: 11.96 min Scan# 1159

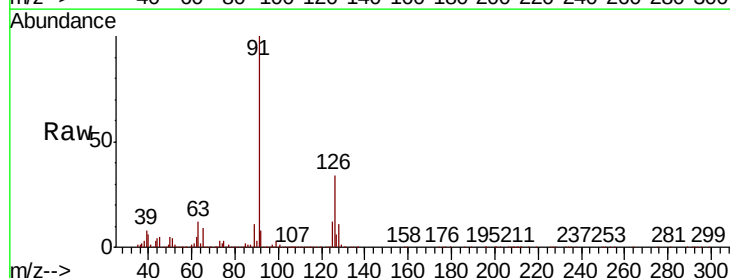
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion: 91 Resp: 445245

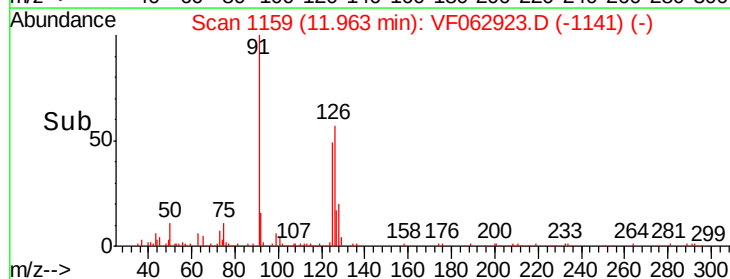
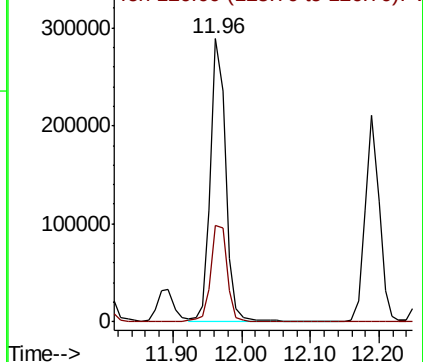
Ion	Ratio	Lower	Upper
91	100		
126	33.9	19.1	57.1

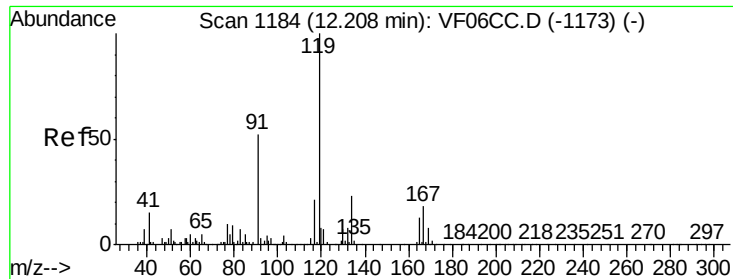


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

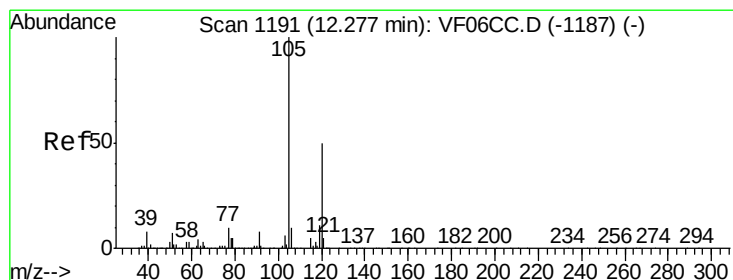
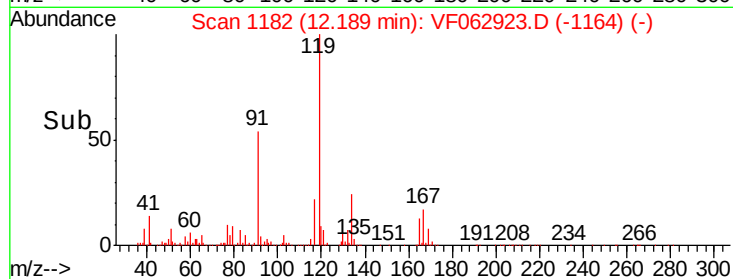
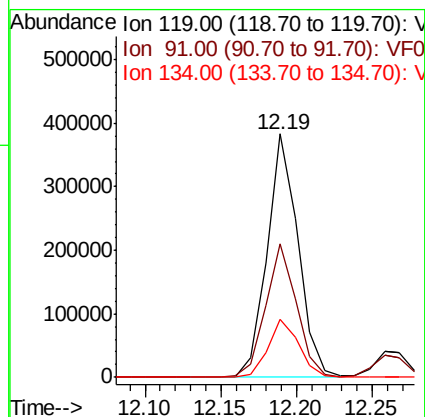
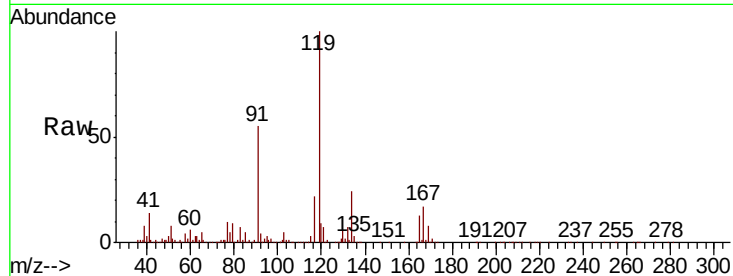




#83
 tert-Butylbenzene
 Concen: 22.636 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

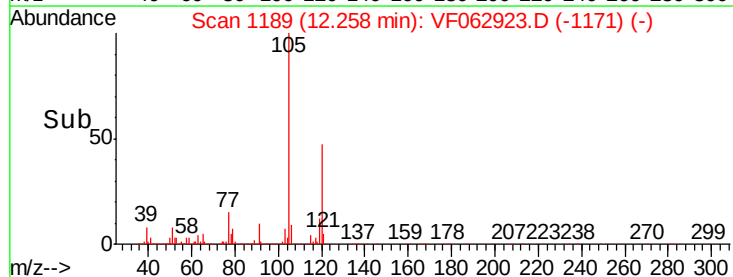
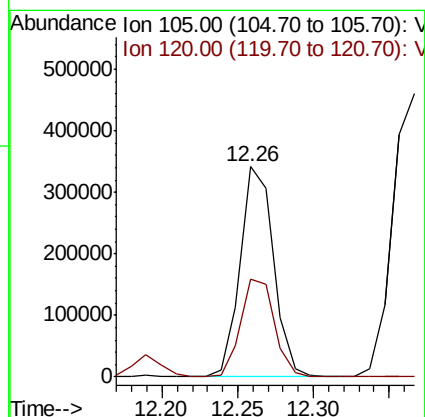
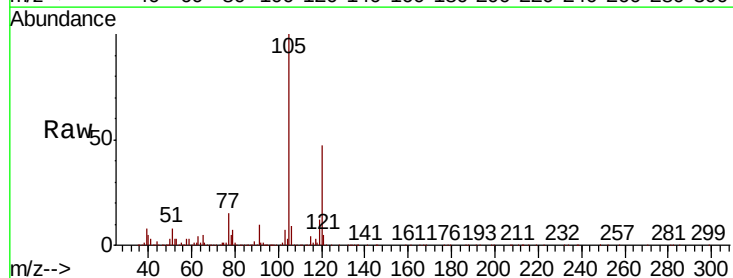
Instrument :
 MSVOA_F
 ClientSampled :

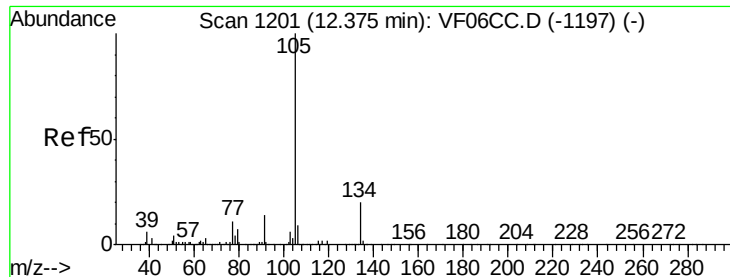
Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	28.9	86.7
134	23.7	14.3	42.9



#84
 1,2,4-Trimethylbenzene
 Concen: 22.531 ug/l
 RT: 12.26 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	27.1	81.3





#85

sec-Butylbenzene

Concen: 21.901 ug/l

RT: 12.37 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

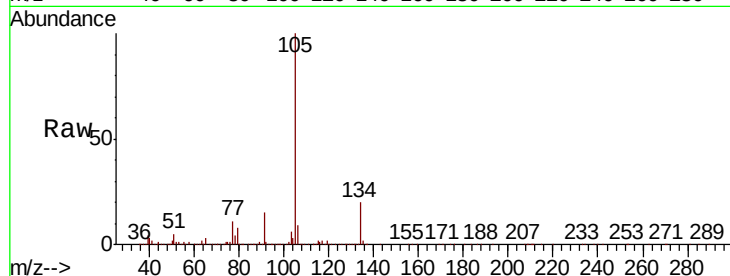
ClientSampleId :

Tot Ion:105 Resp: 700049

Ion Ratio Lower Upper

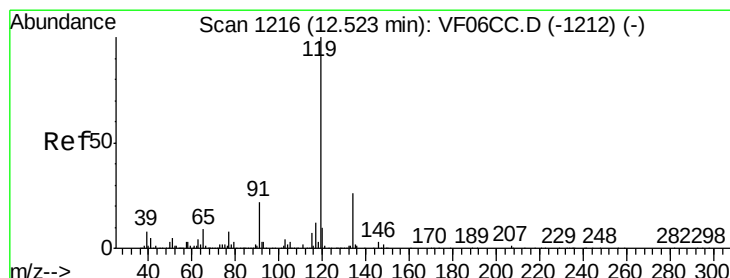
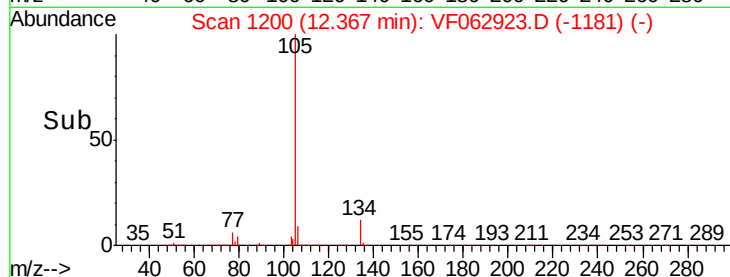
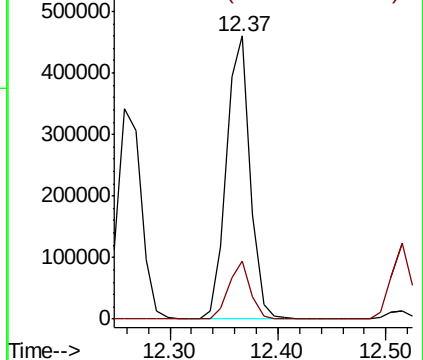
105 100

134 20.4 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: 22.726 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

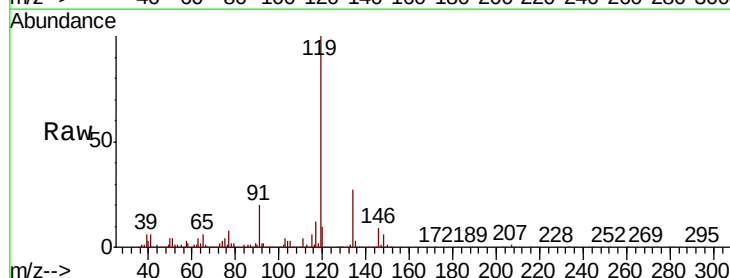
Tgt Ion:119 Resp: 604633

Ion Ratio Lower Upper

119 100

134 27.0 15.5 46.5

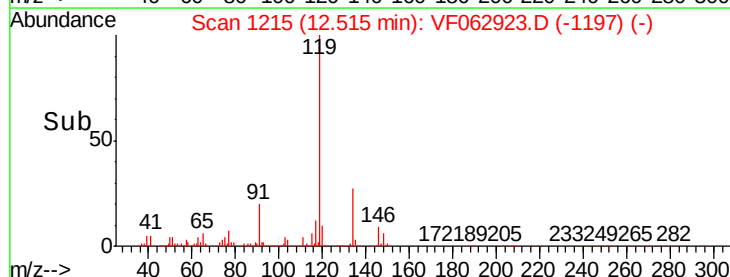
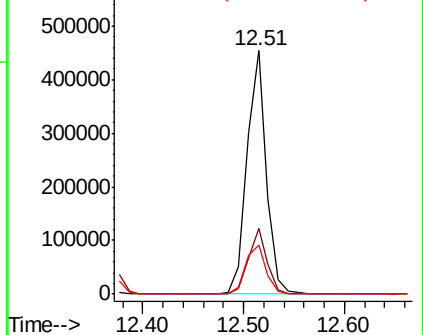
91 20.3 10.3 30.9

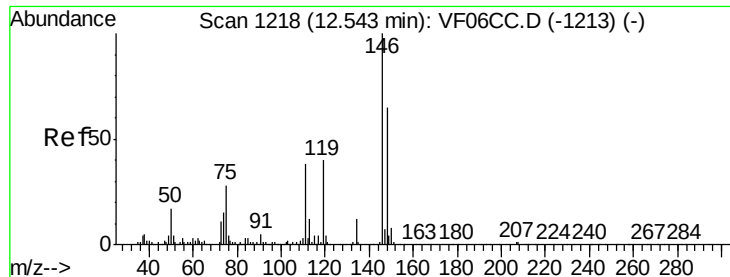


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

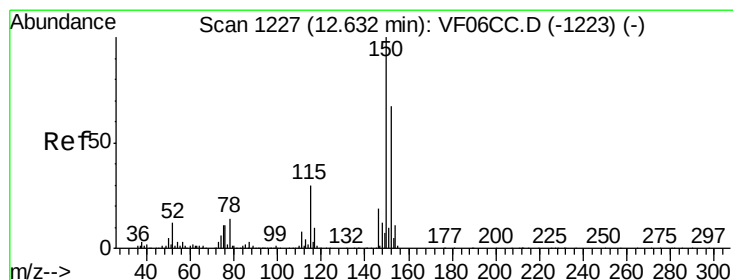
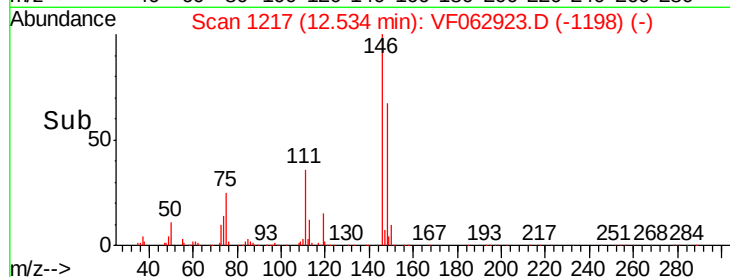
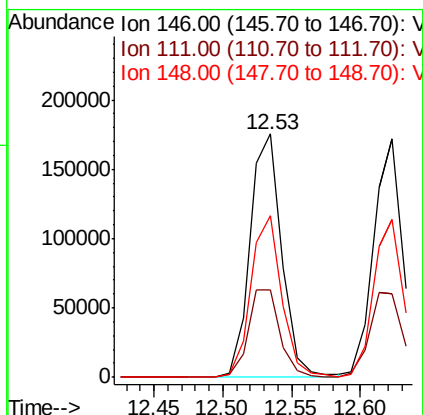
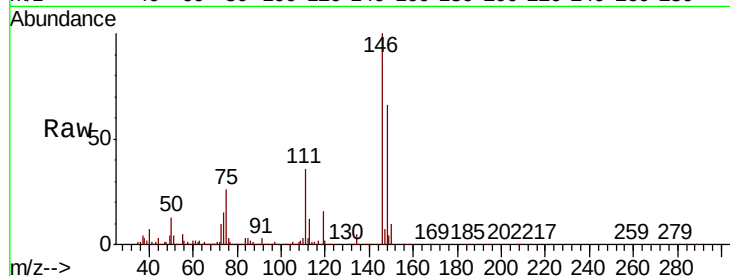




#87
 1,3-Dichlorobenzene
 Concen: 21.269 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

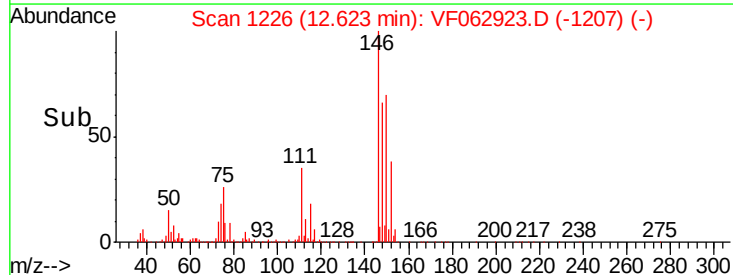
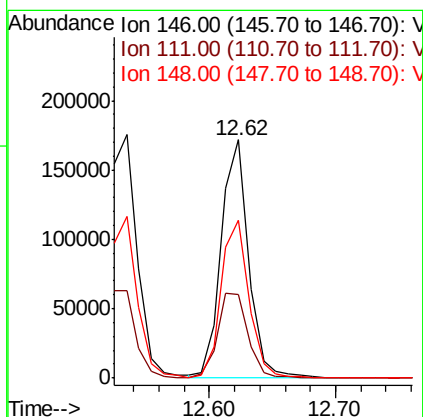
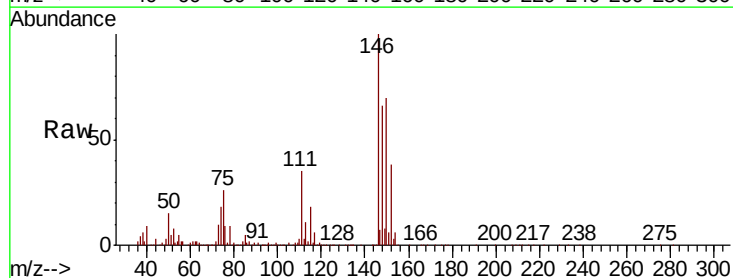
Instrument :
 MSVOA_F
 ClientSampled :

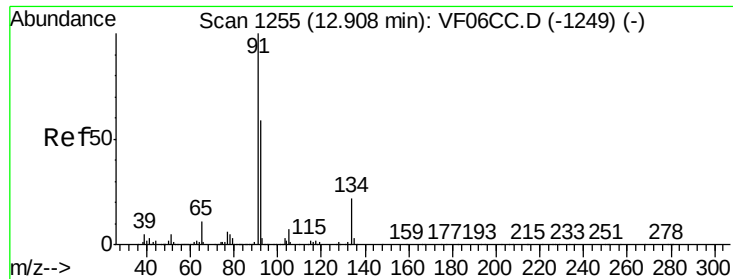
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	19.6	58.8
148	66.5	34.2	102.5



#88
 1,4-Dichlorobenzene
 Concen: 20.788 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	20.3	60.9
148	66.3	34.0	101.8

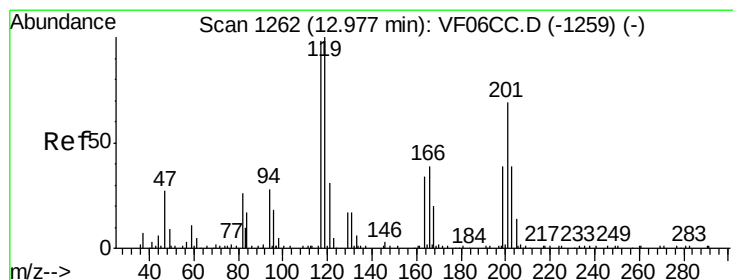
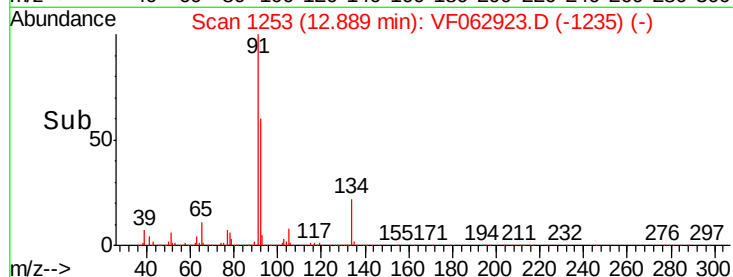
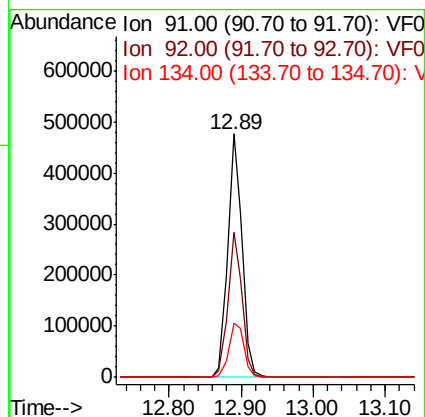
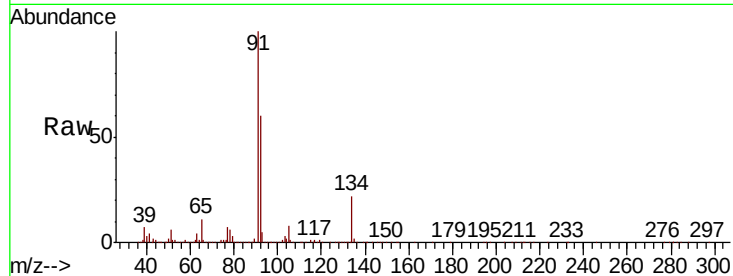




#89
n-Butylbenzene
Concen: 24.343 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

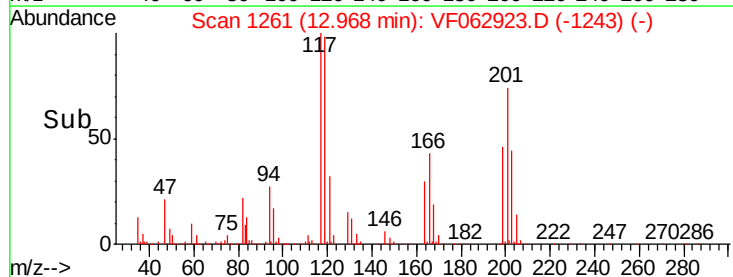
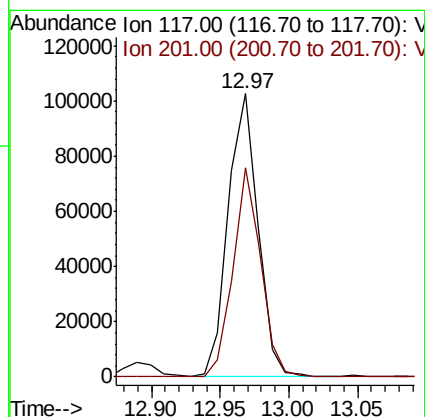
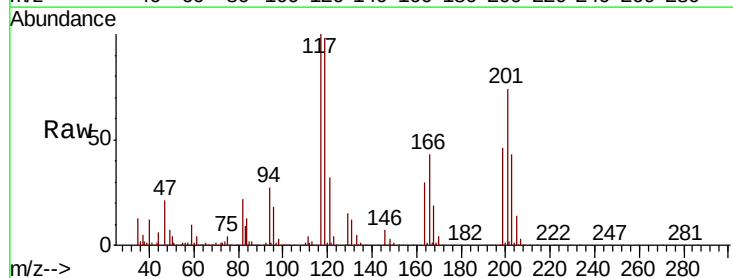
Instrument :
MSVOA_F
ClientSampleId :

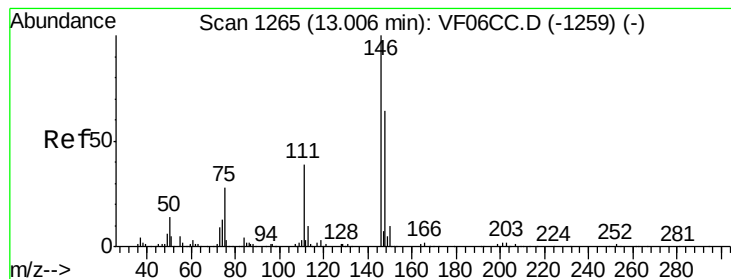
Tot Ion: 91 Resp: 651485
Ion Ratio Lower Upper
91 100
92 59.8 34.2 102.6
134 22.3 15.8 47.3



#90
Hexachloroethane
Concen: 23.709 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 117 Resp: 153847
Ion Ratio Lower Upper
117 100
201 75.5 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 21.079 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

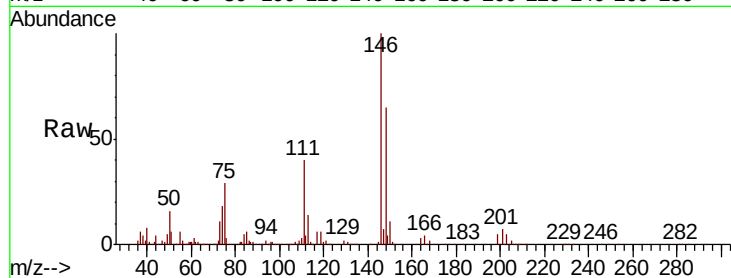
Tot Ion:146 Resp: 245771

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

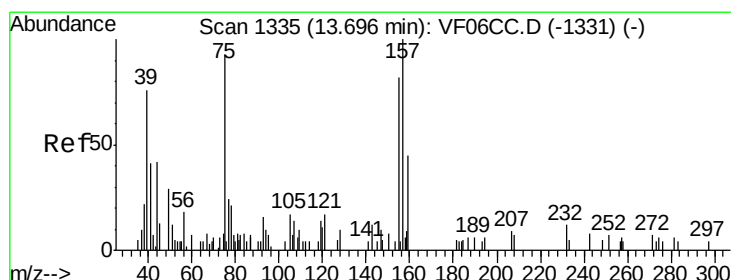
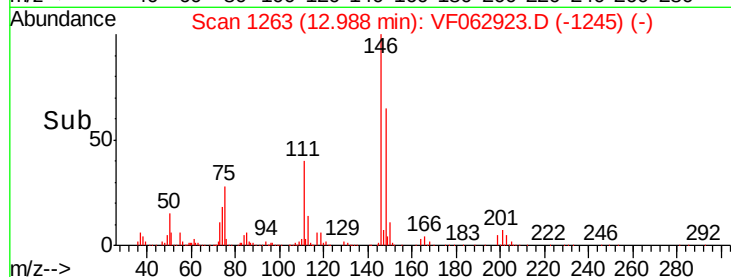
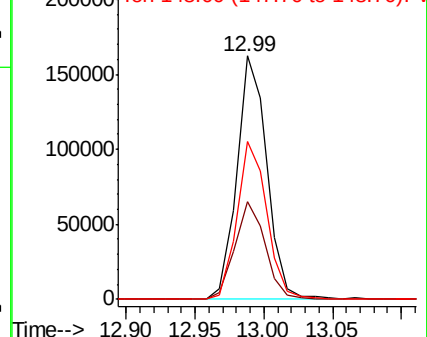
148 64.6 34.1 102.3



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: 24.867 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

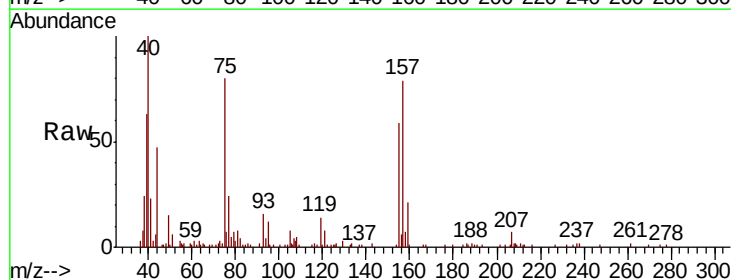
Tgt Ion: 75 Resp: 17319

Ion Ratio Lower Upper

75 100

155 73.5 51.7 155.1

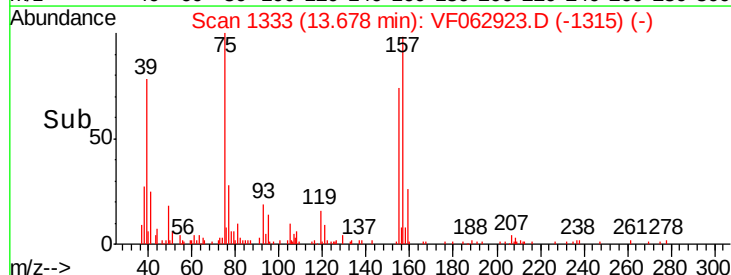
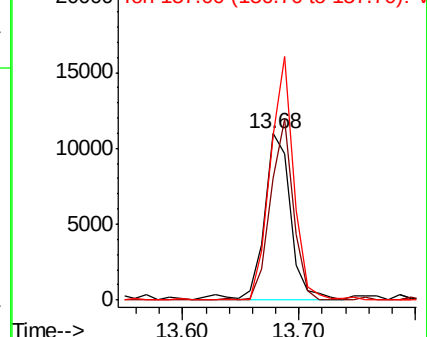
157 98.3 66.8 200.6

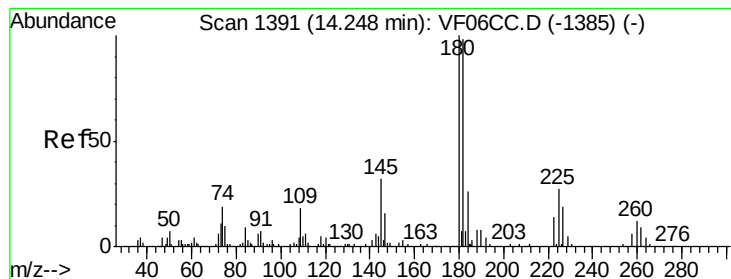


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 21.068 ug/l

RT: 14.23 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

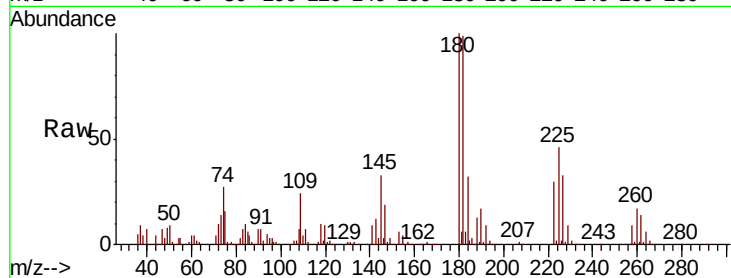
Tot Ion:180 Resp: 168654

Ion Ratio Lower Upper

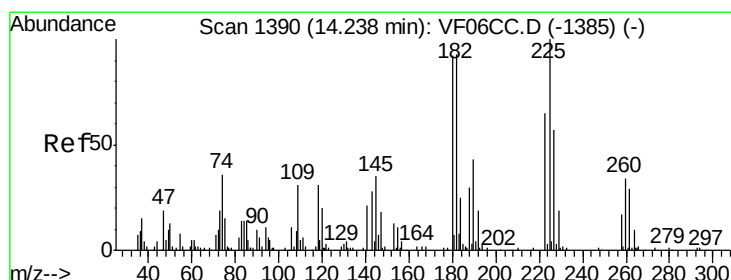
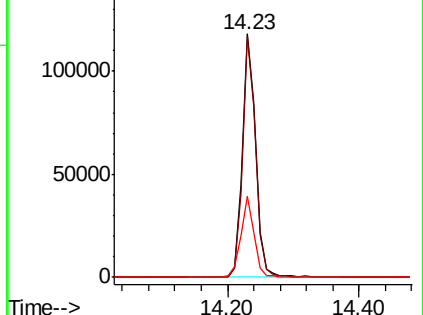
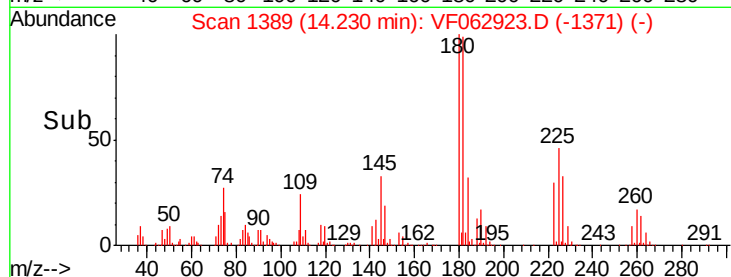
180 100

182 99.0 50.3 150.9

145 33.2 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: 20.876 ug/l

RT: 14.22 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

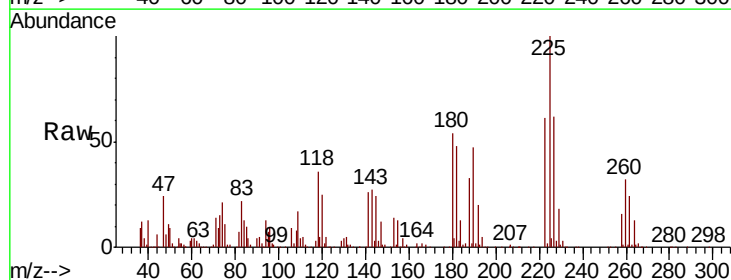
Tgt Ion:225 Resp: 115613

Ion Ratio Lower Upper

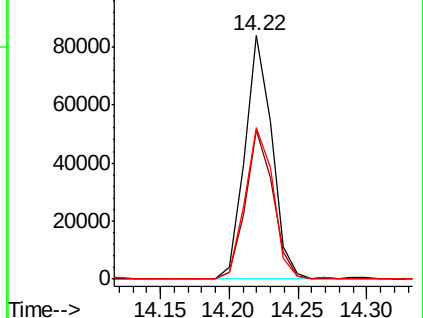
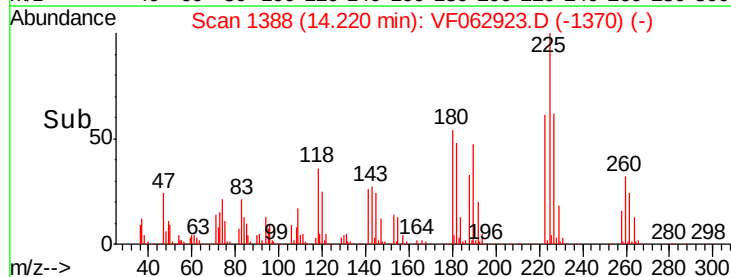
225 100

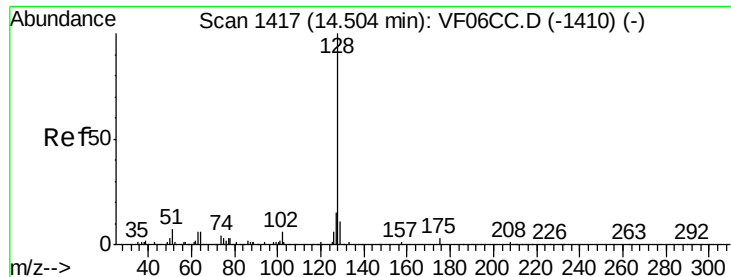
223 61.3 30.8 92.4

227 62.4 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

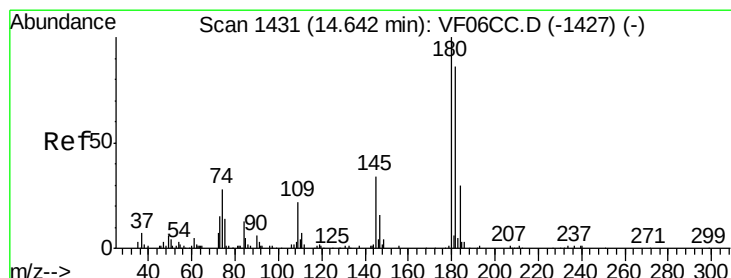
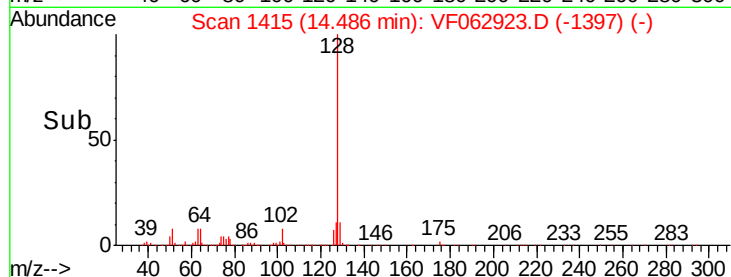
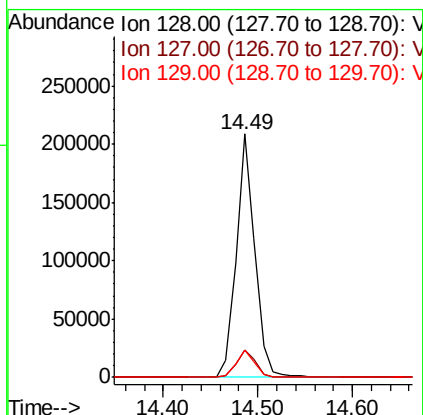
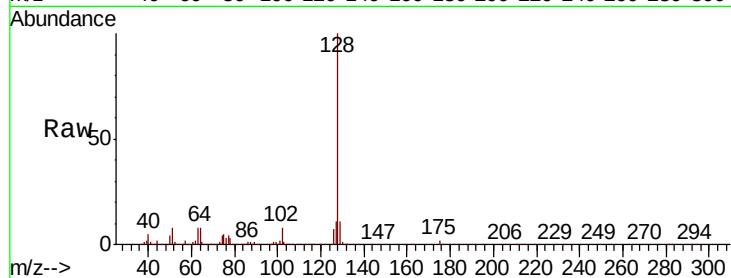




#95
Naphthalene
Concen: 21.705 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.7	14.5
129	11.4	9.4	14.2



#96
1,2,3-Trichlorobenzene
Concen: 21.338 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.6	145.9
145	26.3	15.7	47.0

