

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062920.D
 Acq On : 12 Jun 2019 10:59
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:28:57 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	5.05	168	829773	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1355197	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1086679	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	523382	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	308139	53.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.40%	
35) Dibromofluoromethane	4.30	113	562828	54.96	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	7.70	98	1432735	55.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.66%	
62) 4-Bromofluorobenzene	11.49	95	498019	53.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	431043	45.525	ug/l	95
3) Chloromethane	1.13	50	350605	40.836	ug/l	96
4) Vinyl Chloride	1.19	62	369366	43.292	ug/l	100
5) Bromomethane	1.39	94	234025	48.096	ug/l	95
6) Chloroethane	1.44	64	131401	41.192	ug/l	88
7) Trichlorofluoromethane	1.55	101	628871	52.066	ug/l	95
8) Diethyl Ether	1.71	74	127822	53.789	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	365608	48.146	ug/l	95
10) Methyl Iodide	1.98	142	734685	48.252	ug/l #	97
11) Tert butyl alcohol	2.70	59	93195	268.111	ug/l	95
12) 1,1-Dichloroethene	1.87	96	328098	47.582	ug/l	95
13) Acrolein	2.10	56	38472	277.966	ug/l	99
14) Allyl chloride	2.20	41	342565	64.037	ug/l	94
15) Acrylonitrile	3.08	53	231896	177.544	ug/l #	93
16) Acetone	2.34	43	384070	292.450	ug/l	97
17) Carbon Disulfide	1.92	76	933775	46.333	ug/l	98
18) Methyl Acetate	2.46	43	111503	48.586	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	626938	50.184	ug/l	99
20) Methylene Chloride	2.29	84	117467	15.821	ug/l	98
21) trans-1,2-Dichloroethene	2.42	96	321562	46.511	ug/l	97
22) Diisopropyl ether	2.93	45	729167	47.977	ug/l	96
23) Vinyl Acetate	3.34	43	2507045	240.949	ug/l	100
24) 1,1-Dichloroethane	3.01	63	526869	46.430	ug/l	96
25) 2-Butanone	4.52	43	706655	231.058	ug/l	98
26) 2,2-Dichloropropane	3.78	77	383346	59.496	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	581304	50.019	ug/l	98
28) Bromochloromethane	3.90	49	289455	46.894	ug/l	97
29) Tetrahydrofuran	4.26	42	287942	246.161	ug/l	95
30) Chloroform	4.05	83	790224	49.411	ug/l	98
31) Cyclohexane	3.88	56	672315	43.761	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	540423	58.037	ug/l	98
36) 1,1-Dichloropropene	4.47	75	621138	49.787	ug/l	99
37) Ethyl Acetate	4.29	43	240631	50.457	ug/l #	73
38) Carbon Tetrachloride	4.18	117	502827	59.636	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062920.D
 Acq On : 12 Jun 2019 10:59
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:28:57 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	5.63	83	748460	48.203	ug/l	96
40) Benzene	4.82	78	1758163	48.422	ug/l	98
41) Methacrylonitrile	4.92	41	141627	53.419	ug/l	96
42) 1,2-Dichloroethane	5.12	62	356750	51.660	ug/l	98
43) Isopropyl Acetate	7.10	43	353340	56.086	ug/l #	97
44) Trichloroethene	5.68	130	514398	50.198	ug/l	91
45) 1,2-Dichloropropane	6.40	63	453971	49.823	ug/l	94
46) Dibromomethane	6.25	93	274001	51.506	ug/l	99
47) Bromodichloromethane	6.55	83	561883	51.863	ug/l #	97
48) Methyl methacrylate	6.88	41	173446	53.421	ug/l	94
49) 1,4-Dioxane	6.86	88	49765	1162.833	ug/l #	92
51) 4-Methyl-2-Pentanone	8.39	43	1186850	263.873	ug/l	97
52) Toluene	7.77	92	988644	50.553	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	466873	52.004	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	642559	49.446	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	306148	52.400	ug/l	95
56) Ethyl methacrylate	8.75	69	332434	53.030	ug/l	99
57) 1,3-Dichloropropane	8.99	76	523644	54.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	613892	280.203	ug/l	96
59) 2-Hexanone	9.62	43	884746	275.975	ug/l	97
60) Dibromochloromethane	8.85	129	400595	55.382	ug/l	97
61) 1,2-Dibromoethane	9.12	107	318792	52.539	ug/l	99
64) Tetrachloroethene	8.30	164	386390	46.272	ug/l	93
65) Chlorobenzene	9.92	112	1030041	49.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	406295	48.614	ug/l	96
67) Ethyl Benzene	10.02	91	1699518	47.193	ug/l	100
68) m/p-Xylenes	10.25	106	1291227	93.700	ug/l	99
69) o-Xylene	10.81	106	688612	49.355	ug/l	99
70) Styrene	10.88	104	984237	47.860	ug/l	99
71) Bromoform	10.87	173	219005	54.624	ug/l #	100
73) Isopropylbenzene	11.20	105	1750666	47.938	ug/l	98
74) N-amyl acetate	11.44	43	503586	48.926	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	385610	49.445	ug/l	93
76) 1,2,3-Trichloropropane	11.86	75	243097	47.025	ug/l	97
77) Bromobenzene	11.57	156	441063	48.068	ug/l	82
78) n-propylbenzene	11.67	91	2030583	46.050	ug/l	99
79) 2-Chlorotoluene	11.78	91	1161144	46.021	ug/l	100
80) 1,3,5-Trimethylbenzene	11.88	105	1397519	46.794	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	151597	69.267	ug/l	97
82) 4-Chlorotoluene	11.96	91	1167436	47.083	ug/l	97
83) tert-Butylbenzene	12.19	119	1447148	48.902	ug/l	95
84) 1,2,4-Trimethylbenzene	12.26	105	1331029	47.006	ug/l	97
85) sec-Butylbenzene	12.36	105	1915708	49.128	ug/l	99
86) p-Isopropyltoluene	12.51	119	1603238	49.396	ug/l	99
87) 1,3-Dichlorobenzene	12.52	146	788012	48.695	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	714765	47.328	ug/l	99
89) n-Butylbenzene	12.89	91	1577040	48.302	ug/l	97
90) Hexachloroethane	12.97	117	411642	52.000	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	707821	49.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	48484	57.063	ug/l	88

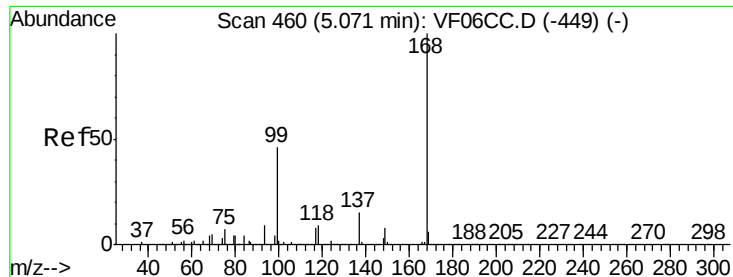
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062920.D
Acq On : 12 Jun 2019 10:59
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 13 08:28:57 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	507655	51.981	ug/l	97
94) Hexachlorobutadiene	14.22	225	354087	52.409	ug/l	98
95) Naphthalene	14.49	128	896394	56.025	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	463913	52.039	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

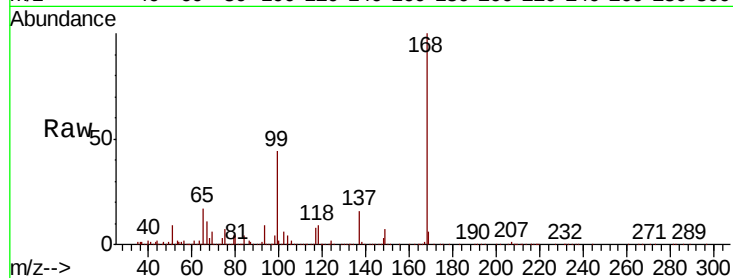
ClientSampleId :

Tot Ion:168 Resp: 829773

Ion Ratio Lower Upper

168 100

99 43.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

300000

250000

200000

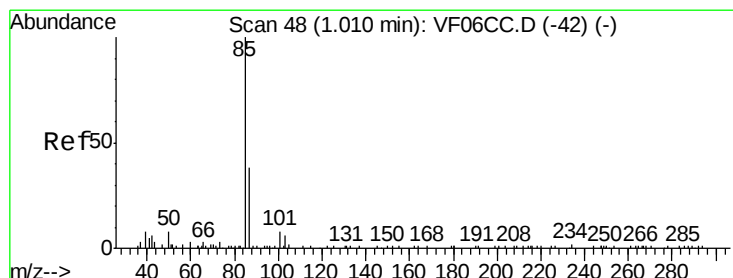
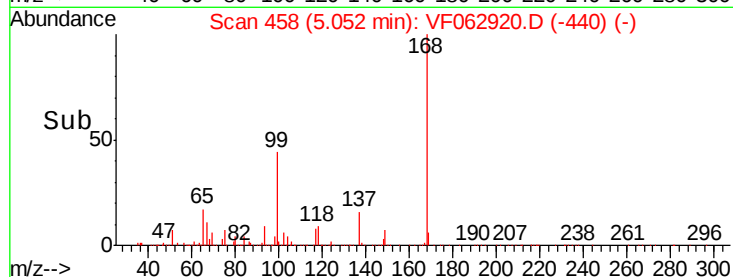
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.525 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062920.D

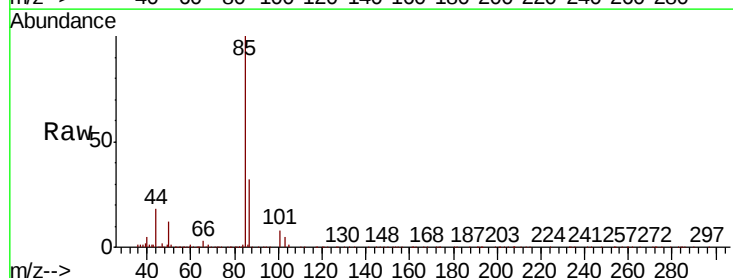
Acq: 12 Jun 2019 10:59

Tgt Ion: 85 Resp: 431043

Ion Ratio Lower Upper

85 100

87 32.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

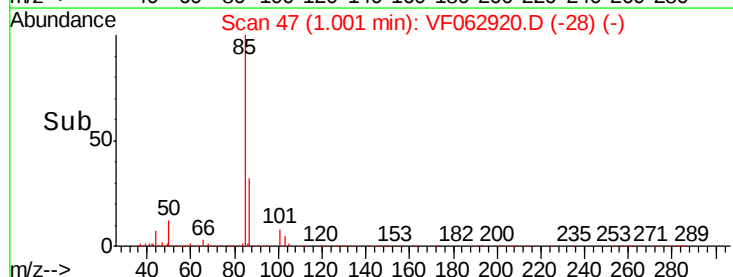
150000

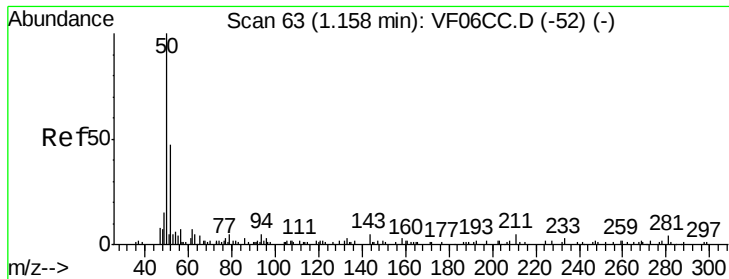
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.836 ug/l

RT: 1.13 min Scan# 60

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

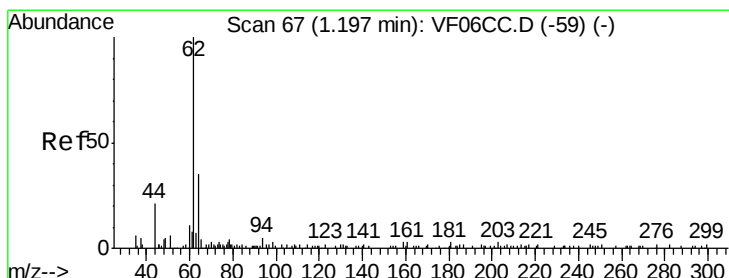
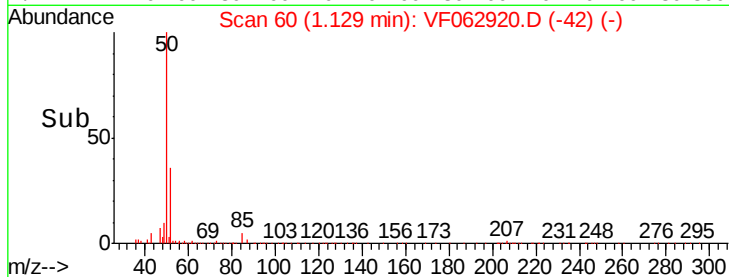
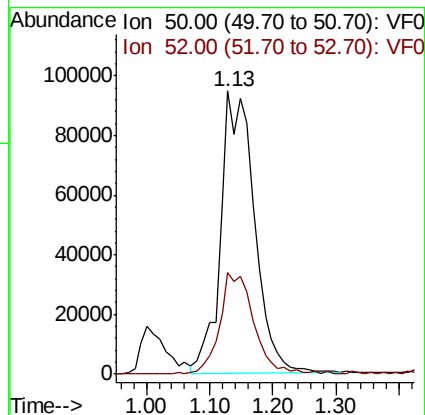
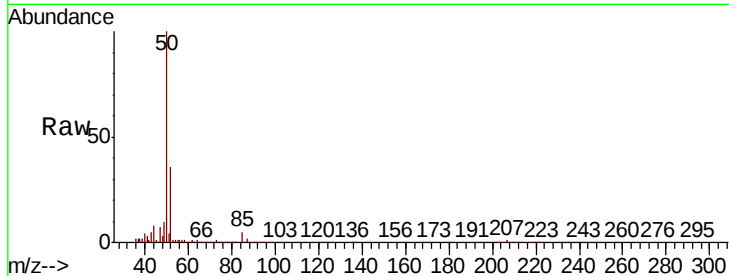
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 350605

Ion Ratio Lower Upper

50 100

52 35.9 27.0 40.4



#4

Vinyl Chloride

Concen: 43.292 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062920.D

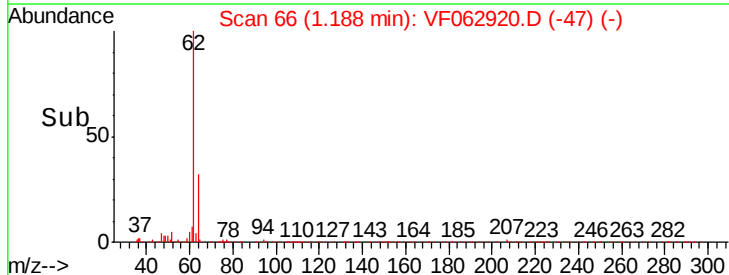
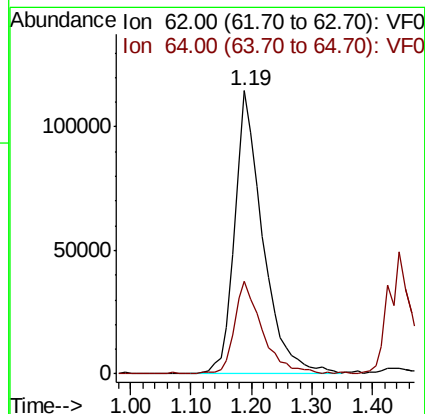
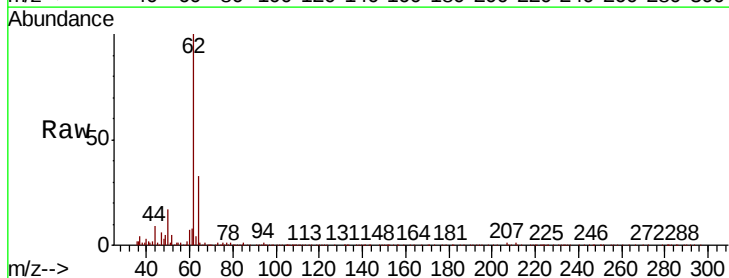
Acq: 12 Jun 2019 10:59

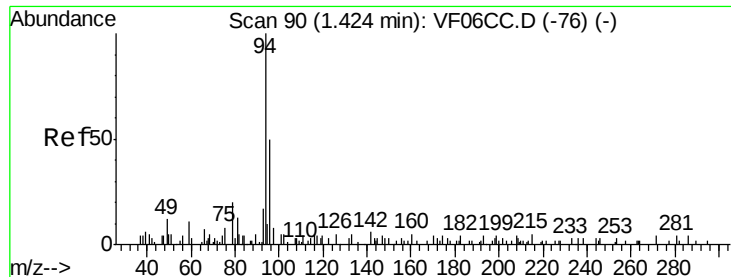
Tgt Ion: 62 Resp: 369366

Ion Ratio Lower Upper

62 100

64 32.5 26.2 39.2

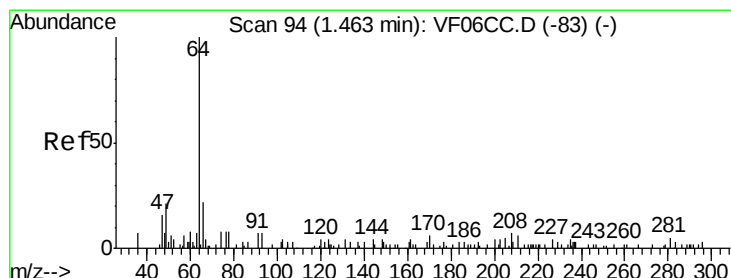
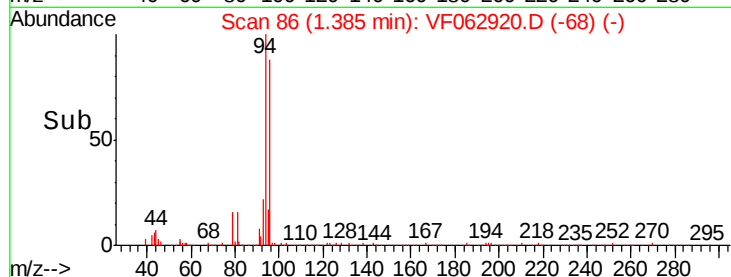
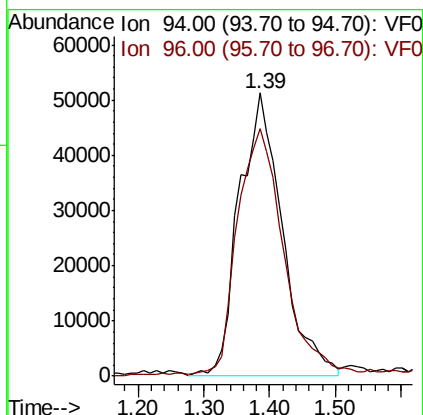
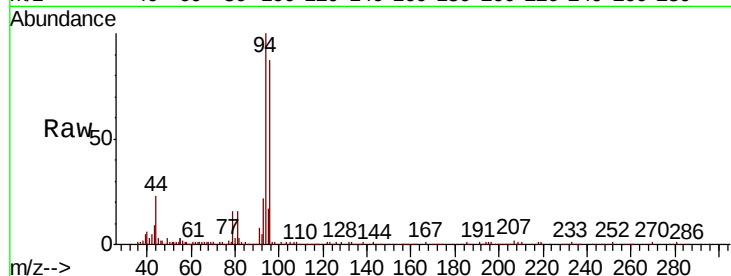




#5
Bromomethane
Concen: 48.096 ug/l
RT: 1.39 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

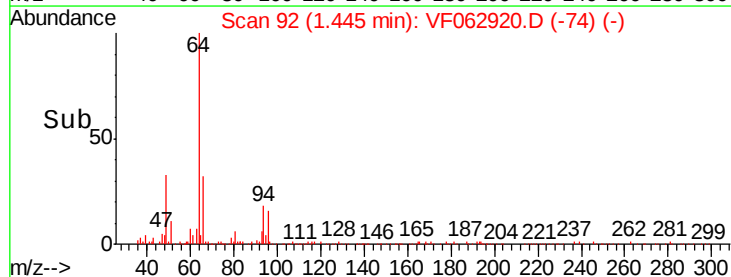
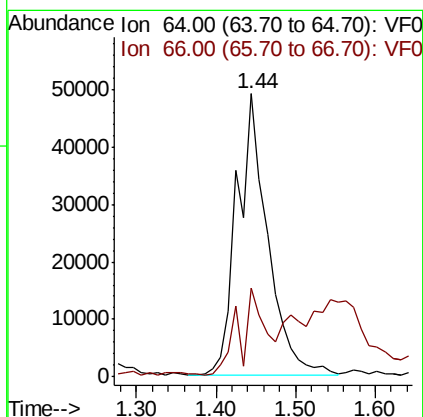
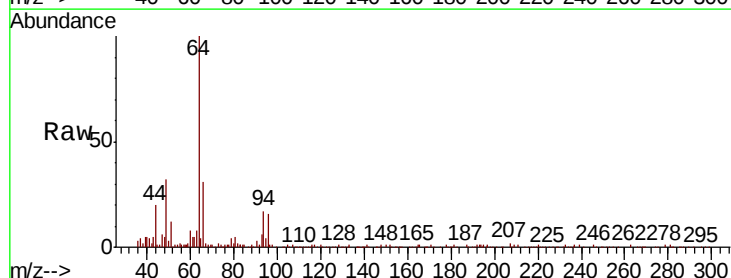
Instrument :
MSVOA_F
ClientSampled :

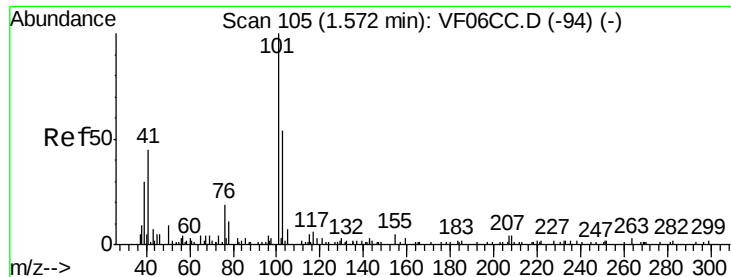
Tot Ion: 94 Resp: 234025
Ion Ratio Lower Upper
94 100
96 87.2 73.8 110.6



#6
Chloroethane
Concen: 41.192 ug/l
RT: 1.44 min Scan# 92
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 64 Resp: 131401
Ion Ratio Lower Upper
64 100
66 31.3 31.0 46.4



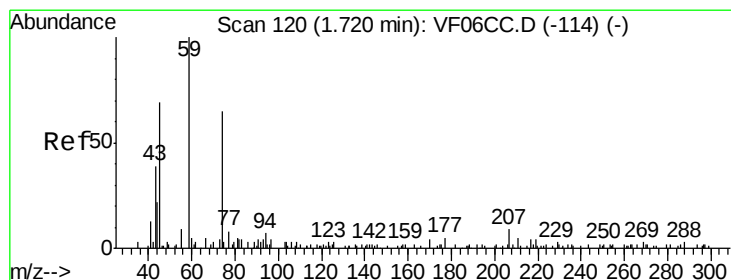
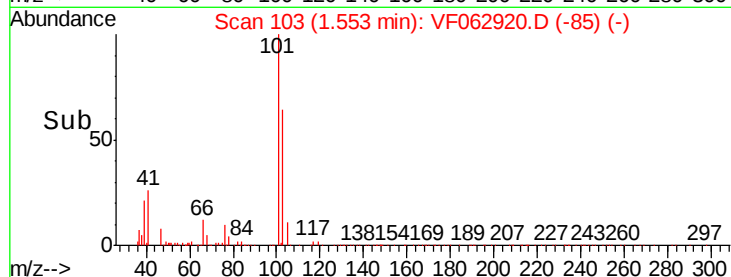
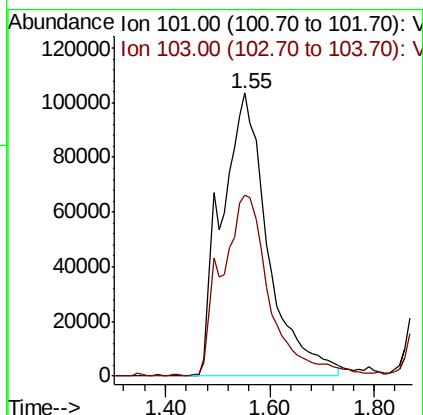
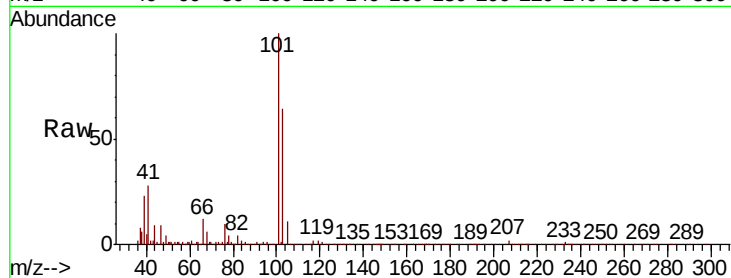


#7

Trichlorofluoromethane
Concen: 52.066 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampled :

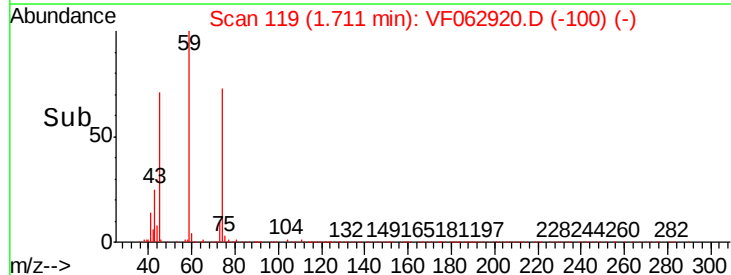
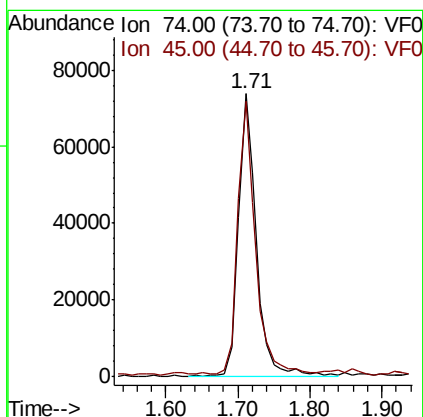
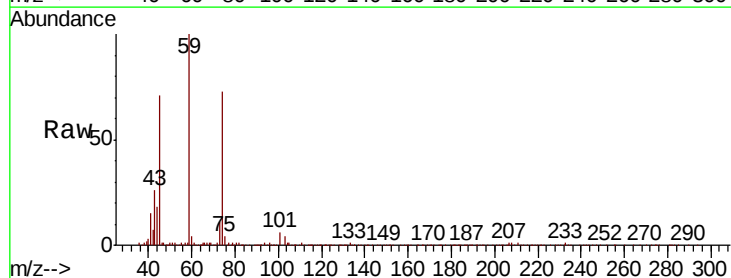
Tot Ion:101 Resp: 628871
Ion Ratio Lower Upper
101 100
103 64.1 54.6 82.0

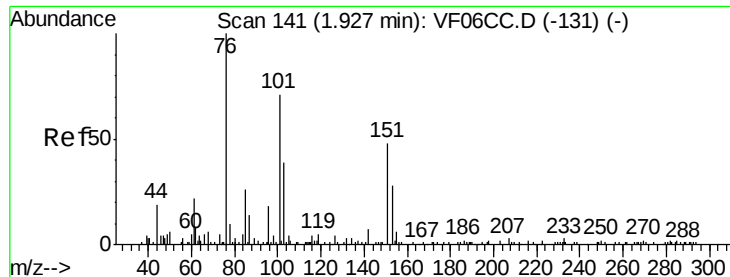


#8

Diethyl Ether
Concen: 53.789 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 74 Resp: 127822
Ion Ratio Lower Upper
74 100
45 97.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.146 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampled :

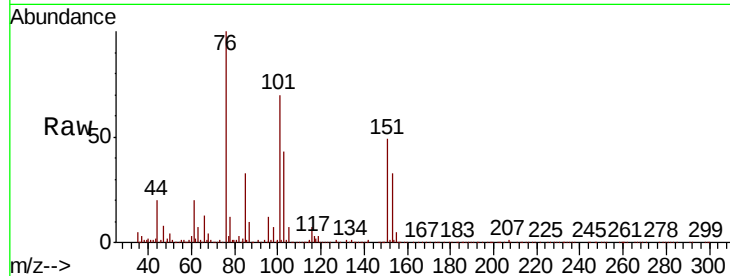
Tot Ion:101 Resp: 365608

Ion Ratio Lower Upper

101 100

85 48.4 37.1 55.7

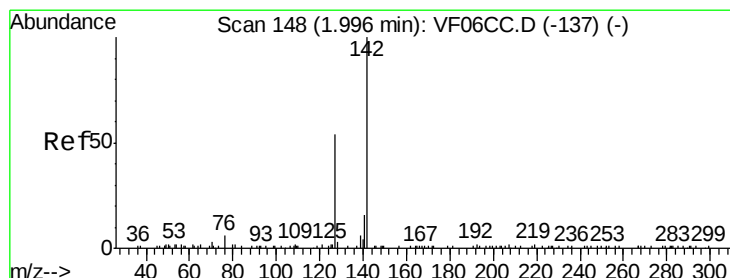
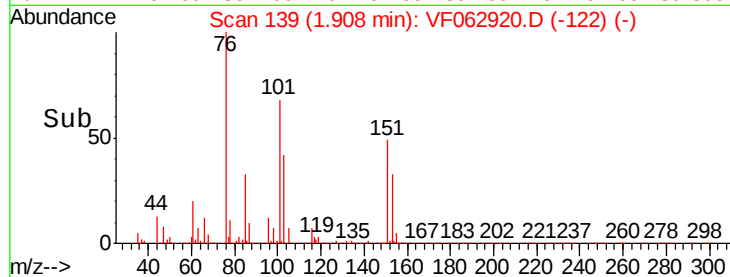
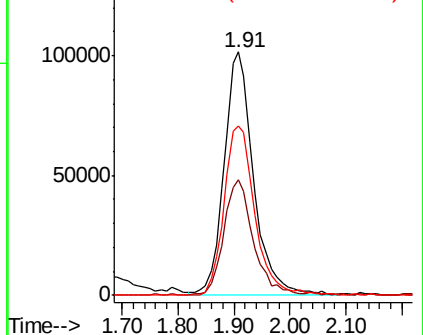
151 69.8 60.3 90.5



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: 48.252 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.04 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

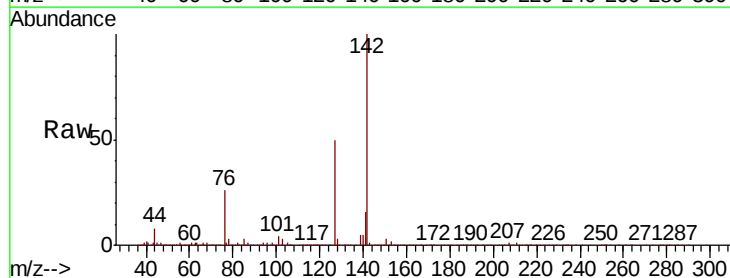
Tgt Ion:142 Resp: 734685

Ion Ratio Lower Upper

142 100

127 50.3 39.4 59.2

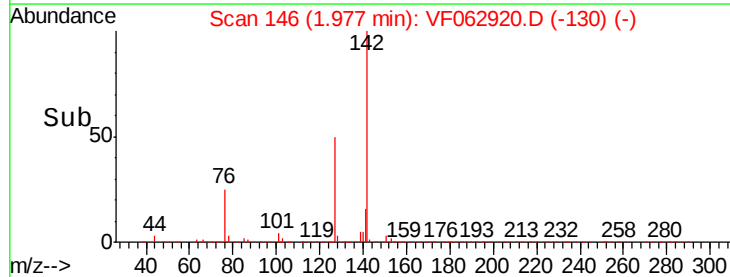
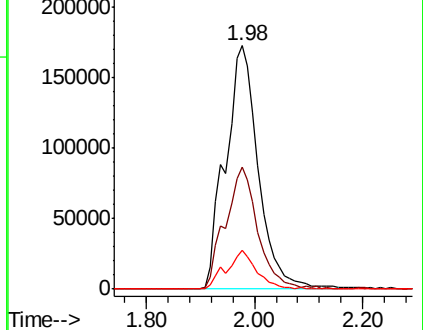
141 15.9 10.6 15.8#

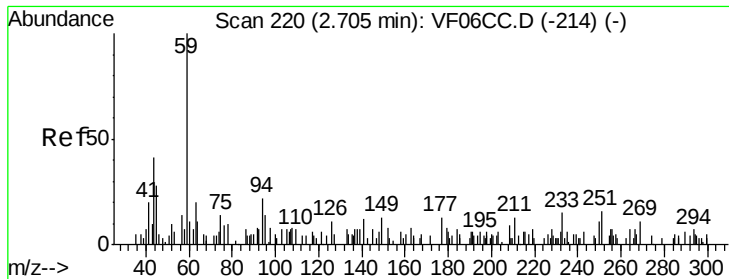


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



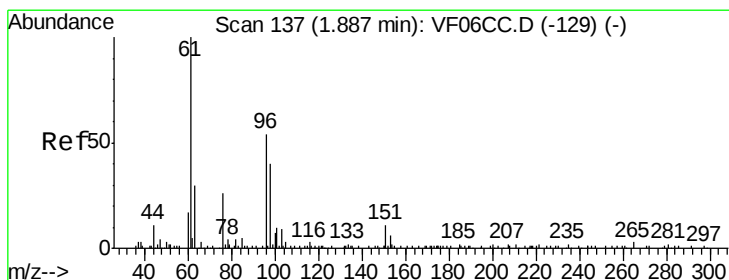
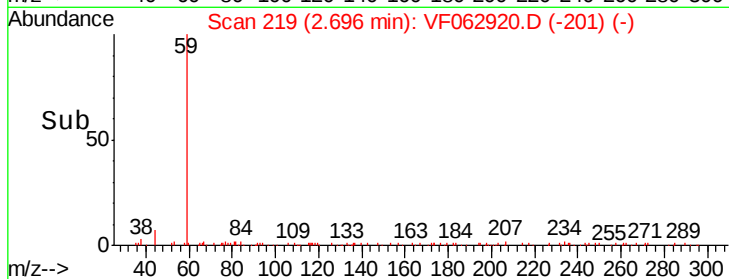
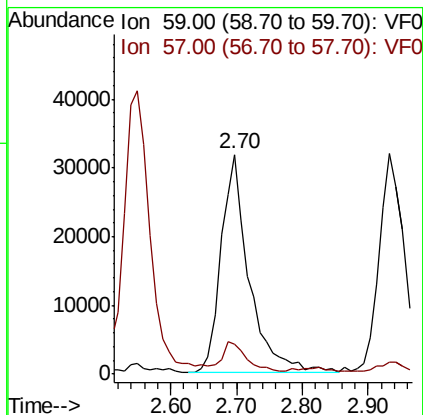
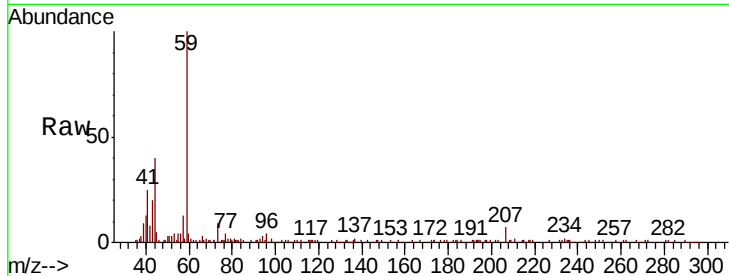


#11

Tert butyl alcohol
 Concen: 268.111 ug/l
 RT: 2.70 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :

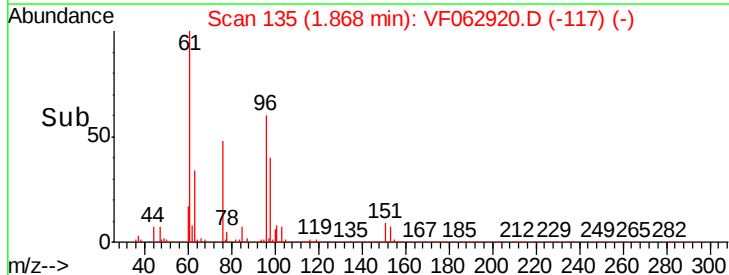
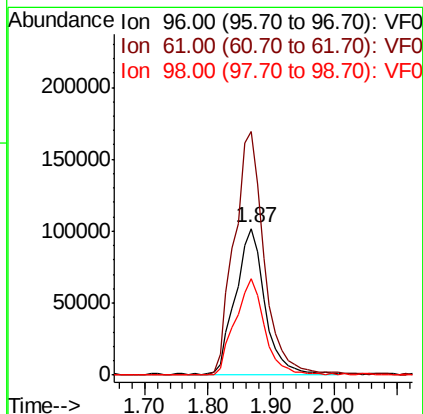
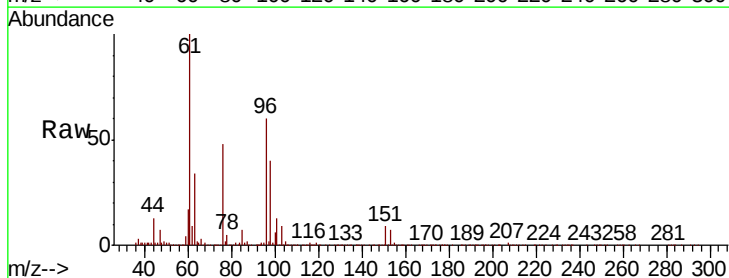
Tot Ion: 59 Resp: 93195
 Ion Ratio Lower Upper
 59 100
 57 13.4 9.2 13.8

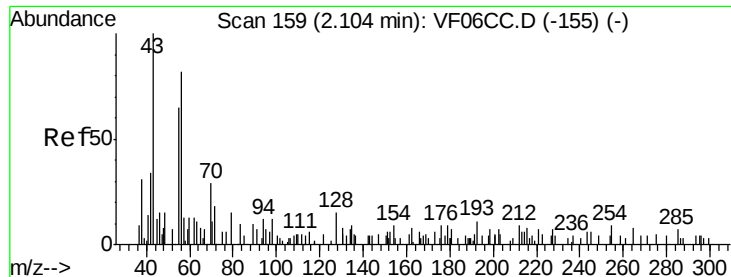


#12

1,1-Dichloroethene
 Concen: 47.582 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 96 Resp: 328098
 Ion Ratio Lower Upper
 96 100
 61 166.3 139.4 209.2
 98 66.1 50.3 75.5





#13

Acrolein

Concen: 277.966 ug/l

RT: 2.10 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

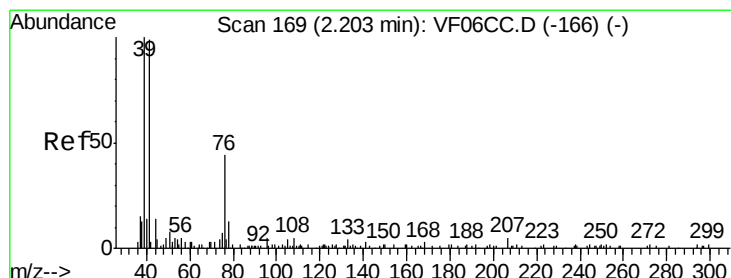
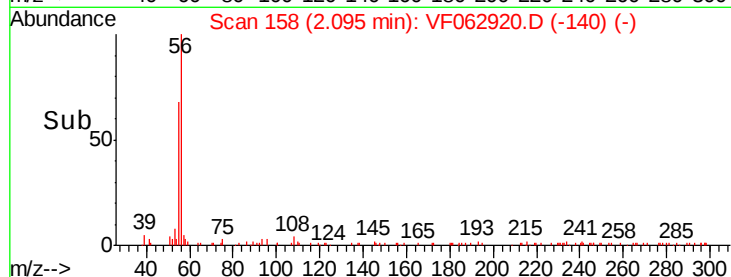
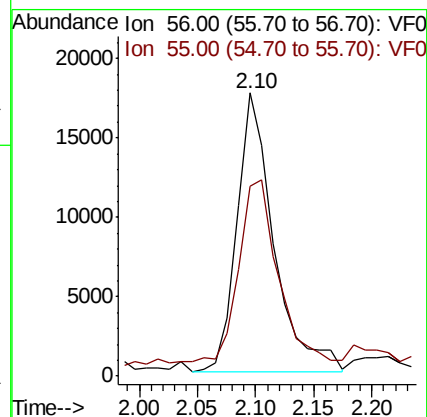
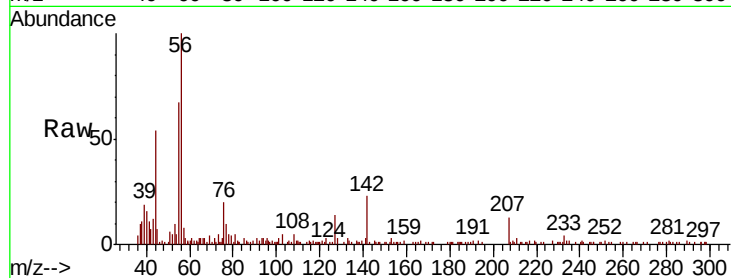
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 38472

Ion Ratio Lower Upper

56 100

55 67.1 52.9 79.3



#14

Allyl chloride

Concen: 64.037 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

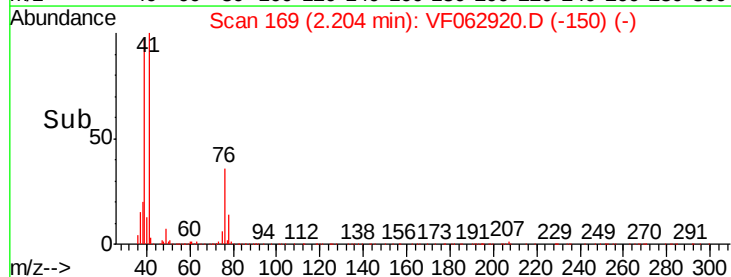
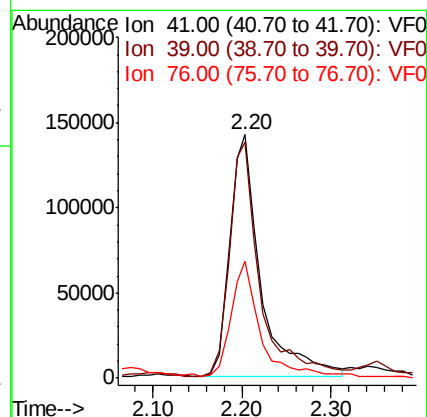
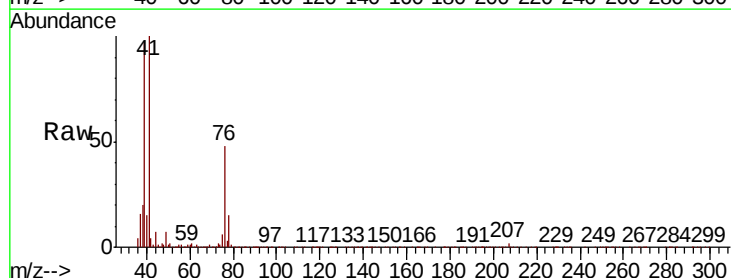
Tgt Ion: 41 Resp: 342565

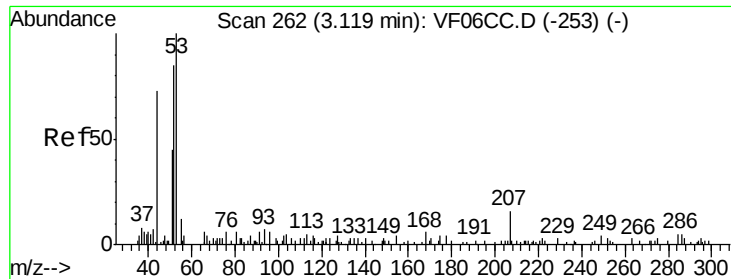
Ion Ratio Lower Upper

41 100

39 96.8 71.9 107.9

76 48.0 39.6 59.4





#15

Acrylonitrile

Concen: 177.544 ug/l

RT: 3.08 min Scan# 258

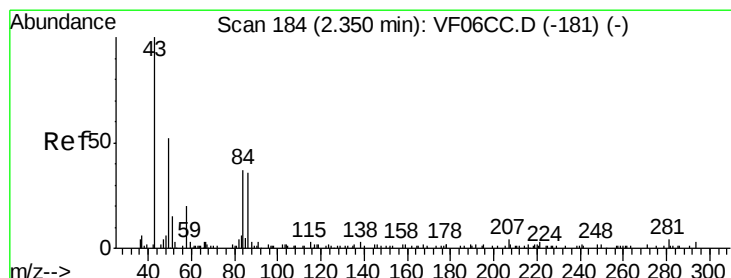
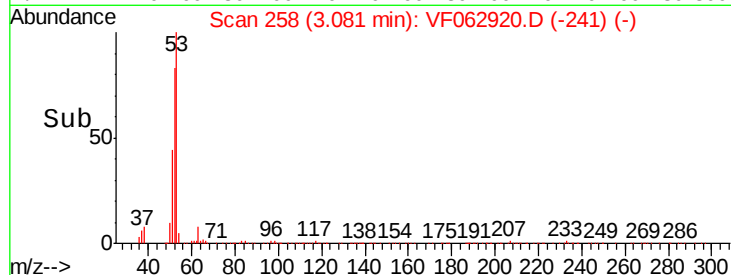
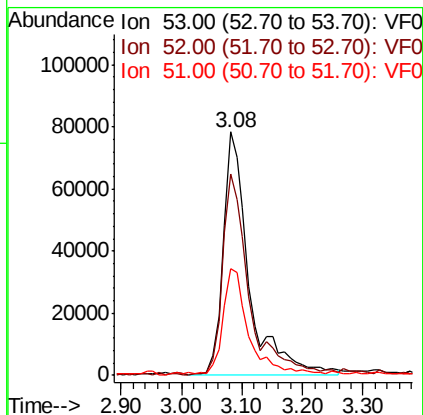
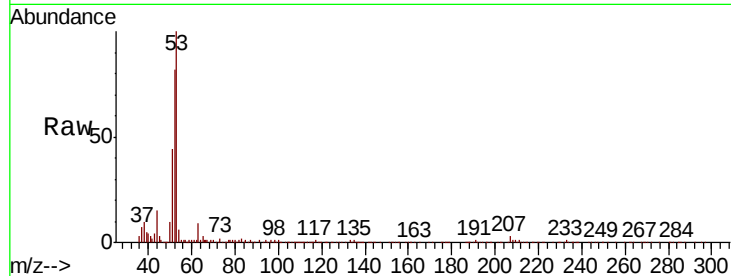
Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	231896
Ion	Ratio	Lower	Upper
53	100		
52	82.5	68.1	102.1
51	44.0	27.7	41.5#



#16

Acetone

Concen: 292.450 ug/l

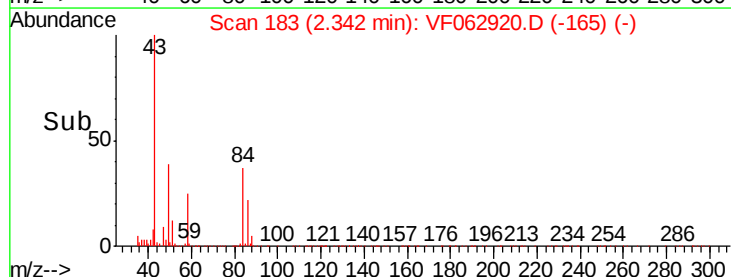
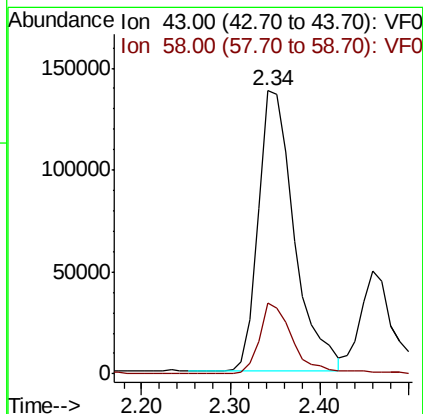
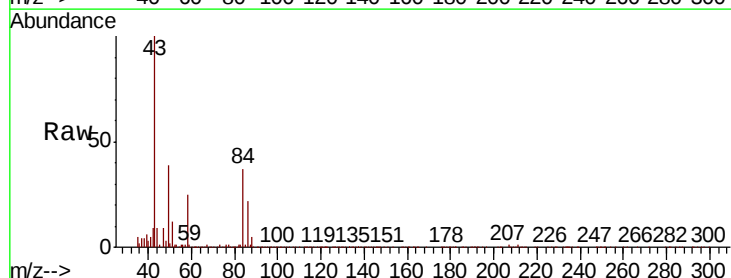
RT: 2.34 min Scan# 183

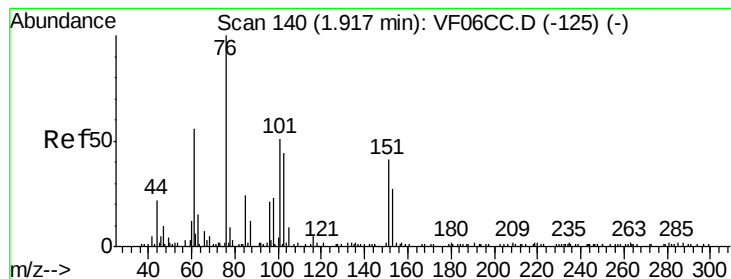
Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Tgt Ion:	43	Resp:	384070
Ion	Ratio	Lower	Upper
43	100		
58	25.2	19.0	28.4





#17

Carbon Disulfide

Concen: 46.333 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

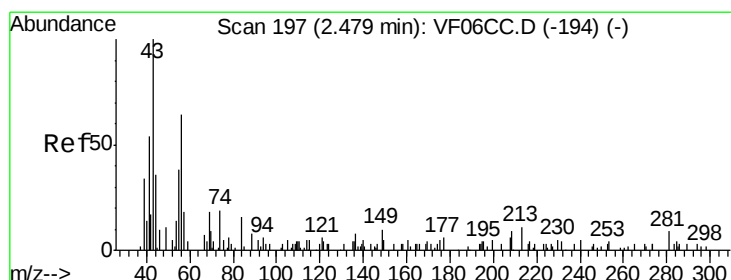
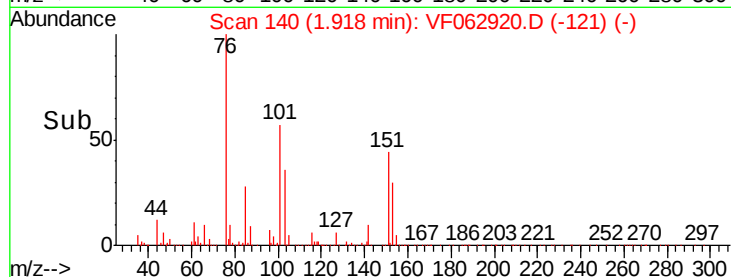
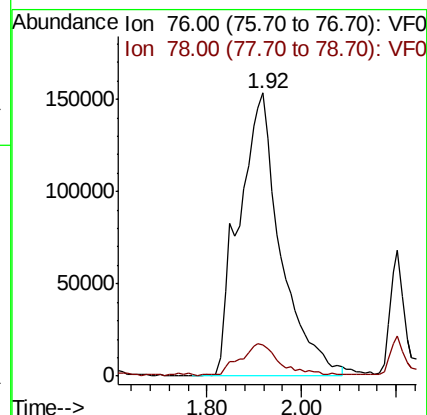
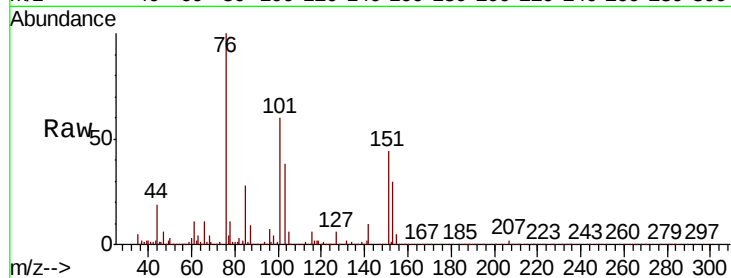
ClientSampleId :

Tot Ion: 76 Resp: 933775

Ion Ratio Lower Upper

76 100

78 11.1 9.4 14.2



#18

Methyl Acetate

Concen: 48.586 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062920.D

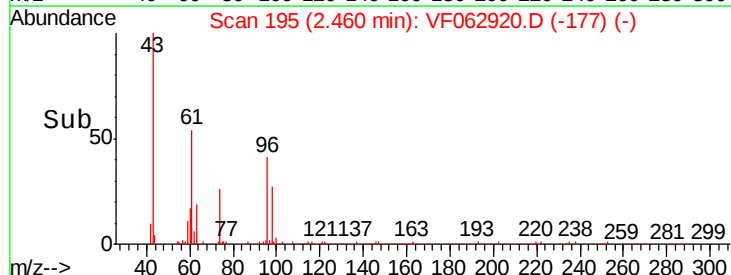
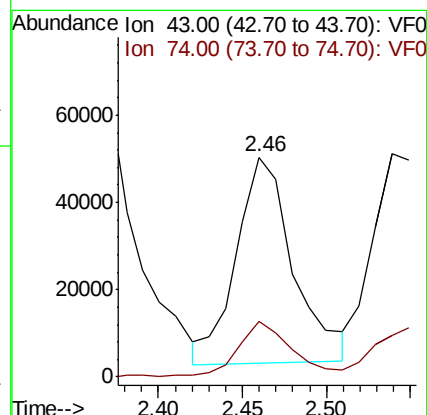
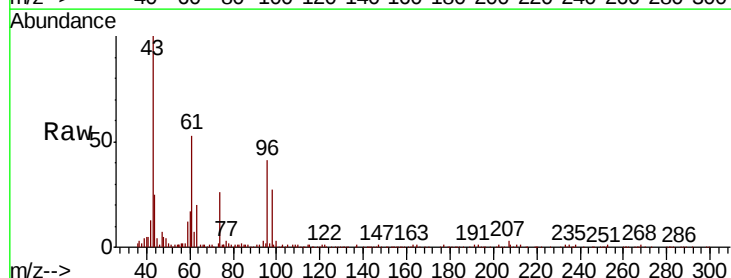
Acq: 12 Jun 2019 10:59

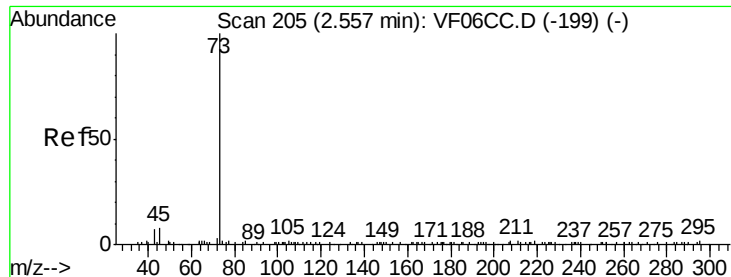
Tgt Ion: 43 Resp: 111503

Ion Ratio Lower Upper

43 100

74 25.5 22.1 33.1

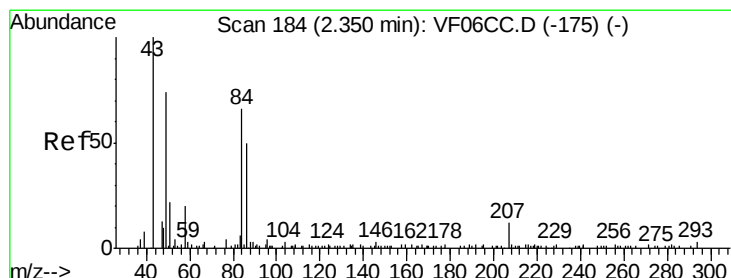
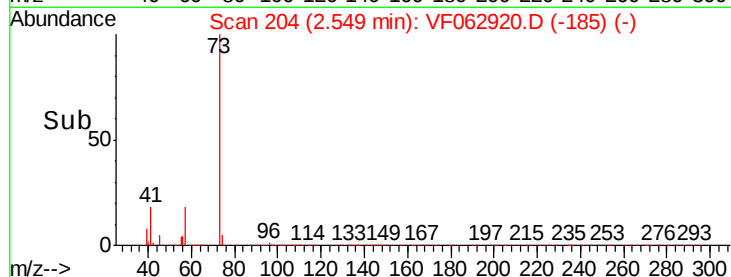
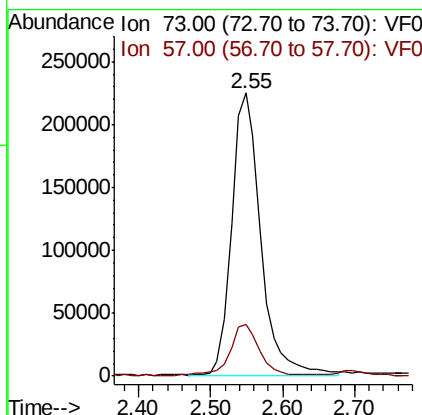
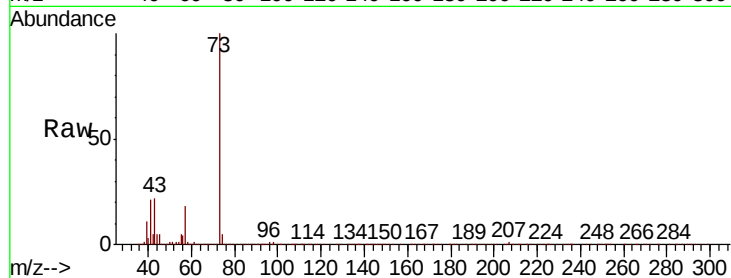




#19
Methyl tert-butyl Ether
Concen: 50.184 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

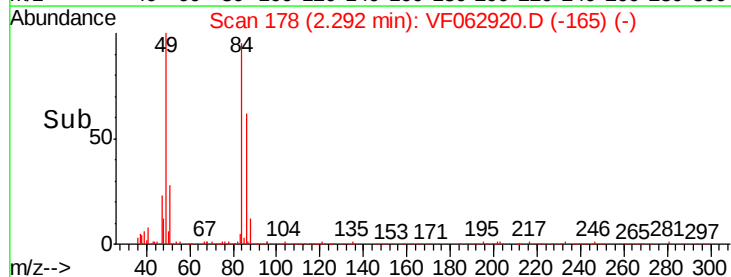
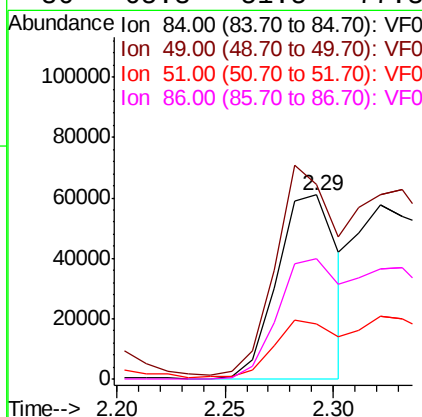
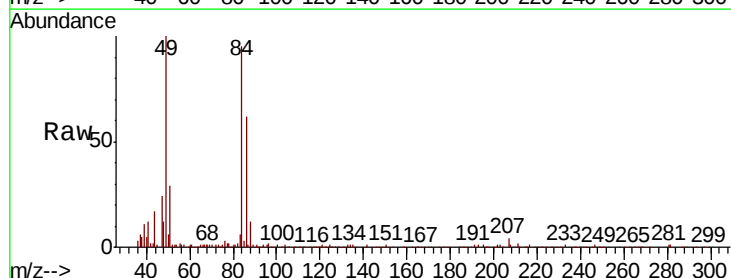
Instrument :
MSVOA_F
ClientSampleId :

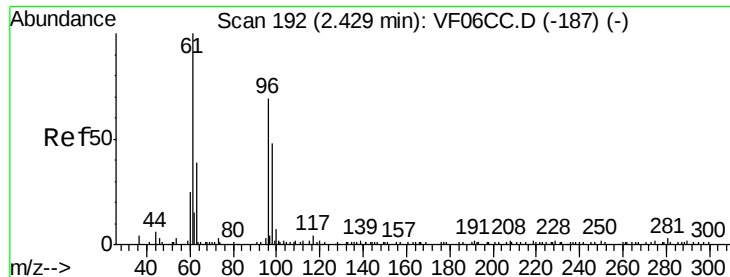
Tot Ion: 73 Resp: 626938
Ion Ratio Lower Upper
73 100
57 18.3 15.1 22.7



#20
Methylene Chloride
Concen: 15.821 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.07 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 84 Resp: 117467
Ion Ratio Lower Upper
84 100
49 105.4 82.6 123.8
51 30.1 25.0 37.4
86 65.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 46.511 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampled :

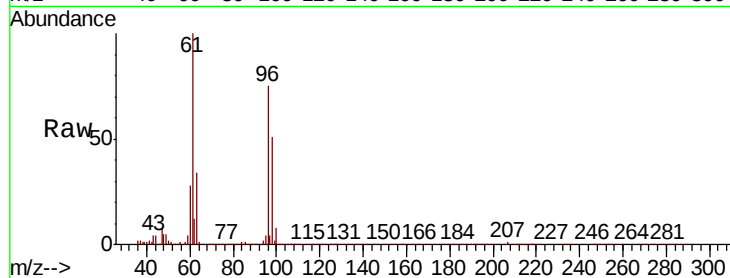
Tot Ion: 96 Resp: 321562

Ion Ratio Lower Upper

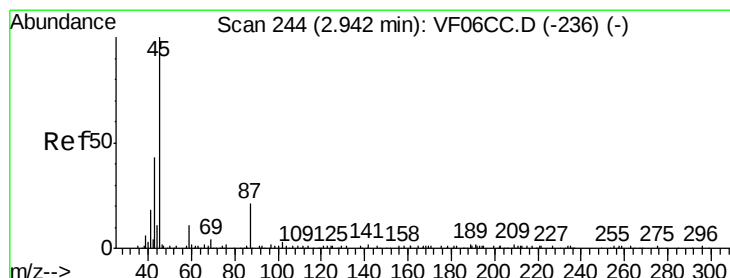
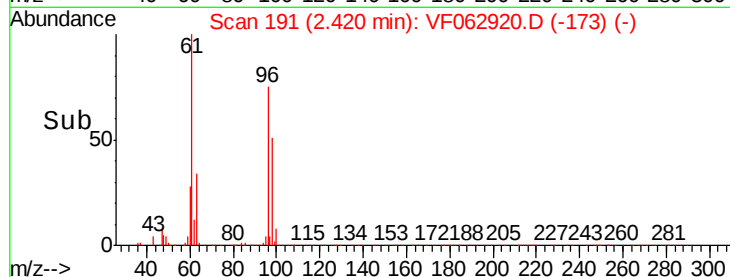
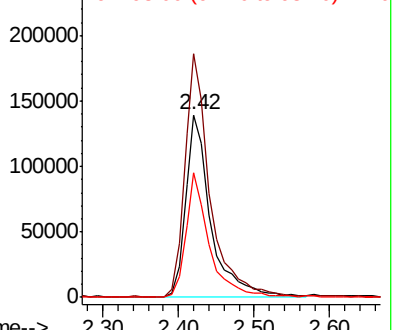
96 100

61 133.2 105.0 157.6

98 68.3 51.1 76.7



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 47.977 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Tgt Ion: 45 Resp: 729167

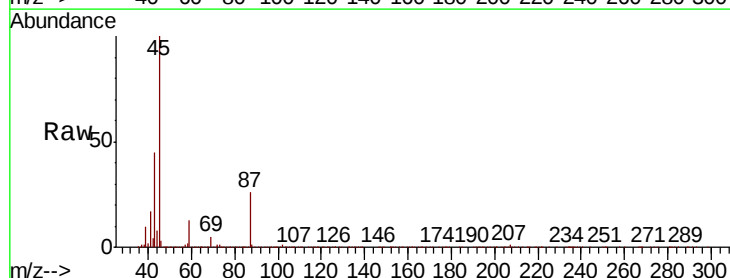
Ion Ratio Lower Upper

45 100

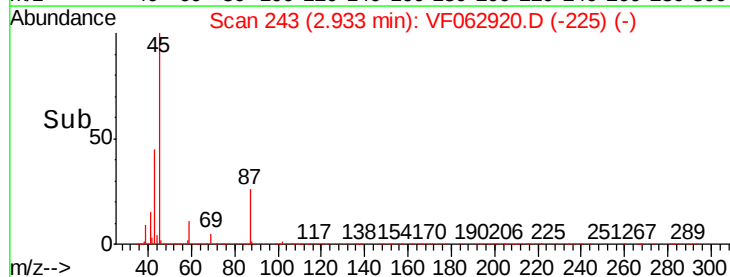
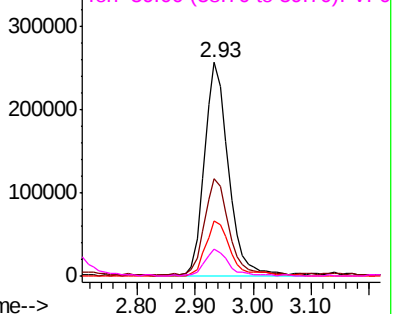
43 45.3 34.3 51.5

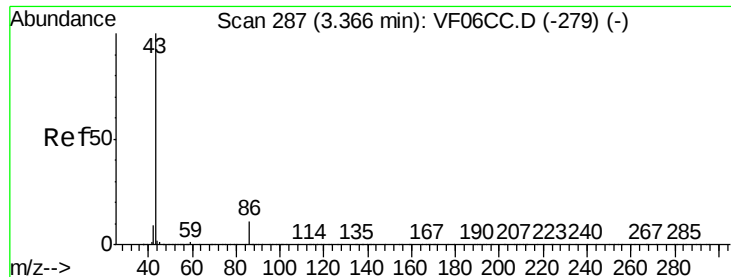
87 26.0 19.0 28.4

59 12.5 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 240.949 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

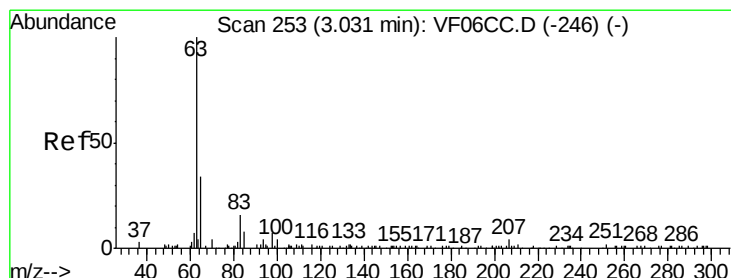
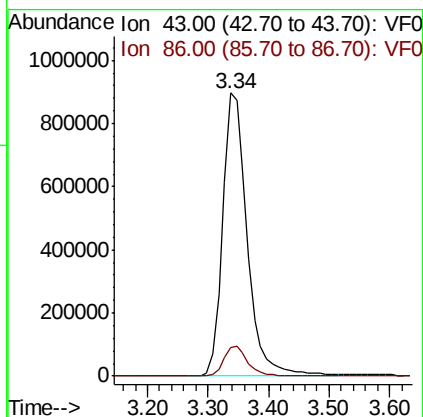
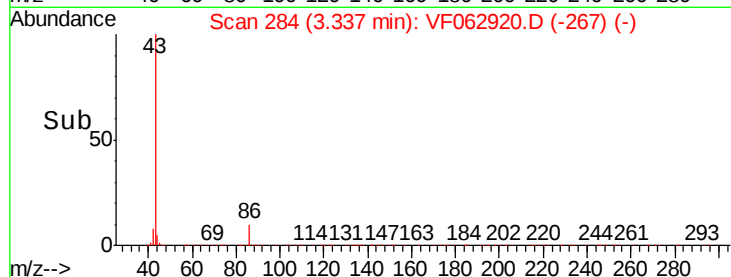
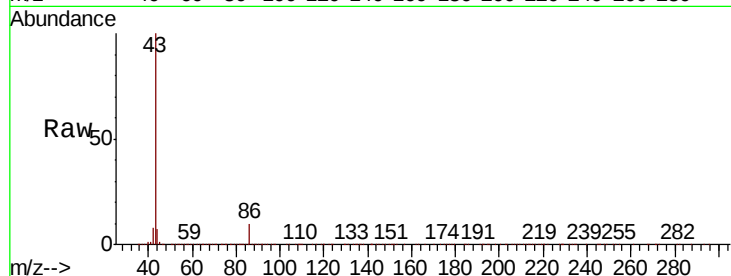
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2507045

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.2



#24

1,1-Dichloroethane

Concen: 46.430 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

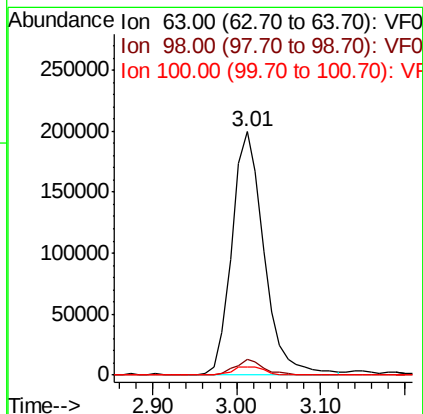
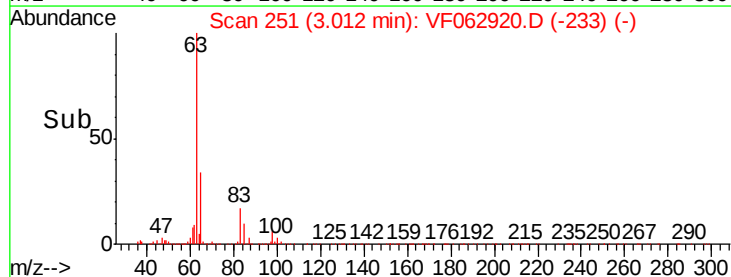
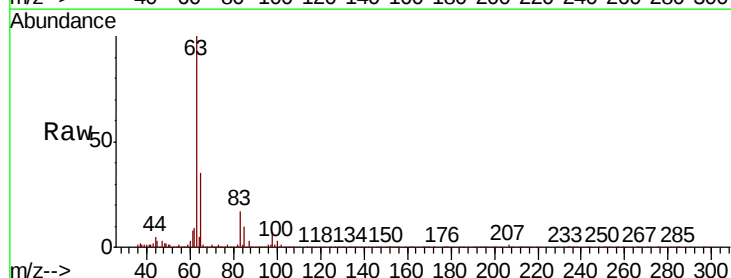
Tgt Ion: 63 Resp: 526869

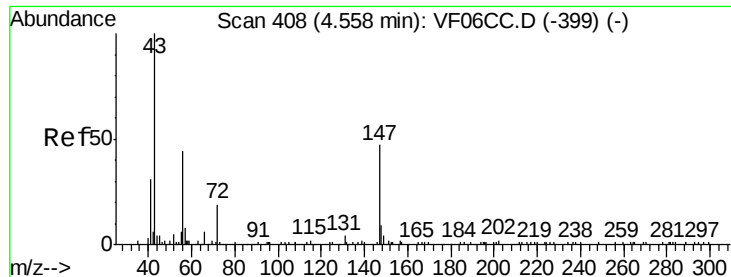
Ion Ratio Lower Upper

63 100

98 6.5 2.4 7.1

100 3.4 1.5 4.5

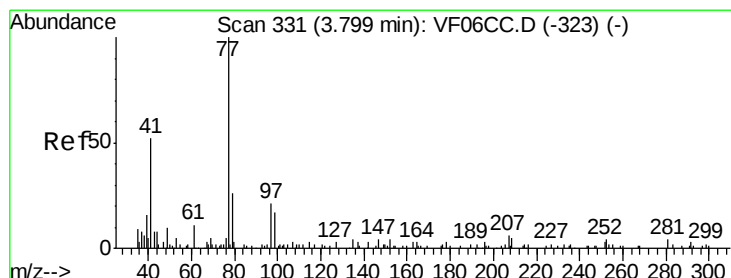
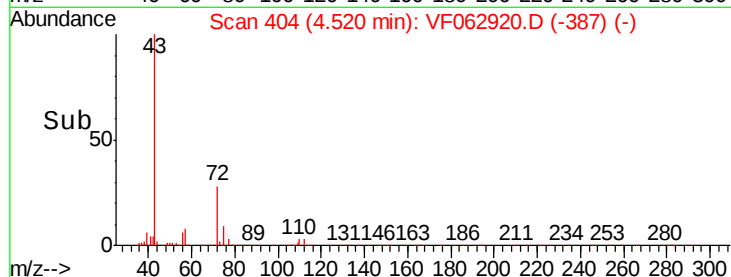
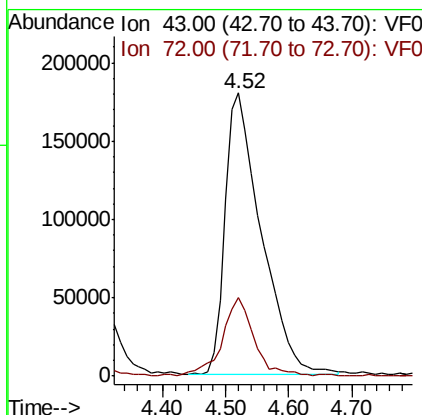
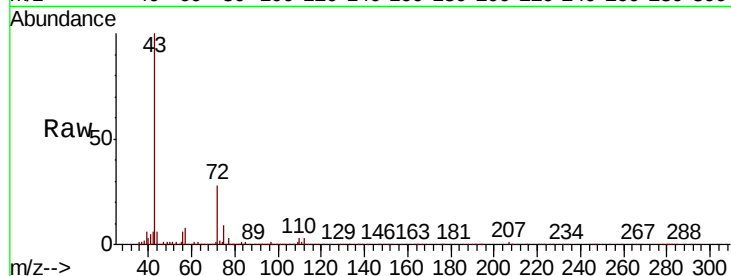




#25
2-Butanone
Concen: 231.058 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

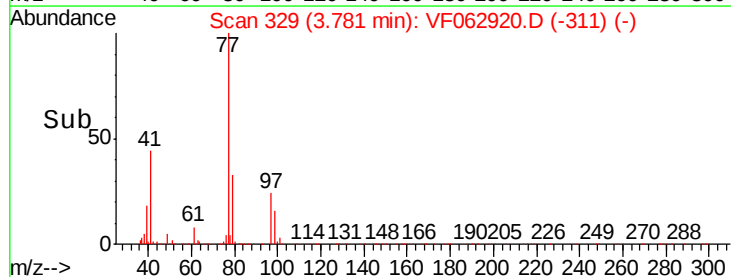
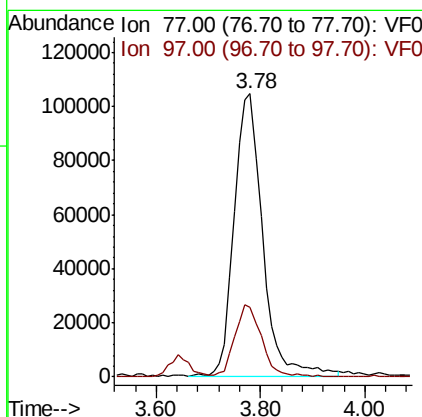
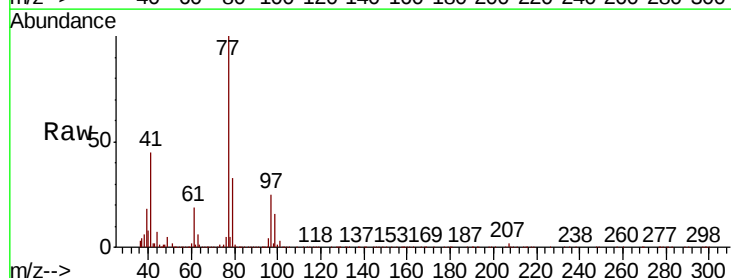
Instrument :
MSVOA_F
ClientSampleId :

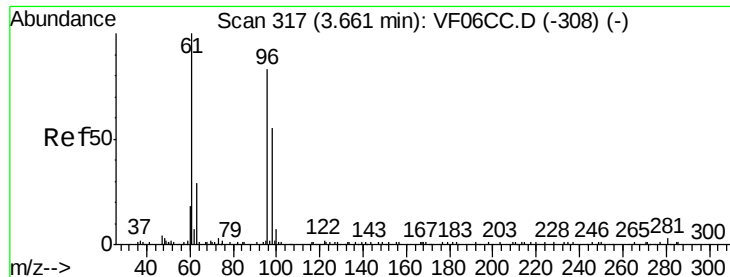
Tot Ion: 43 Resp: 706655
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.0



#26
2,2-Dichloropropane
Concen: 59.496 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 77 Resp: 383346
Ion Ratio Lower Upper
77 100
97 24.7 12.4 37.4



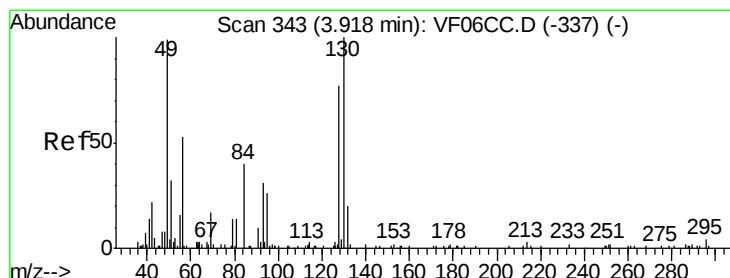
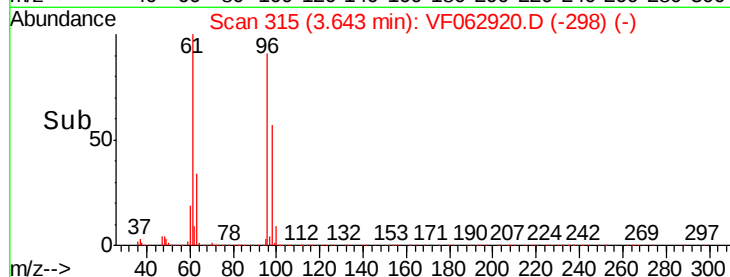
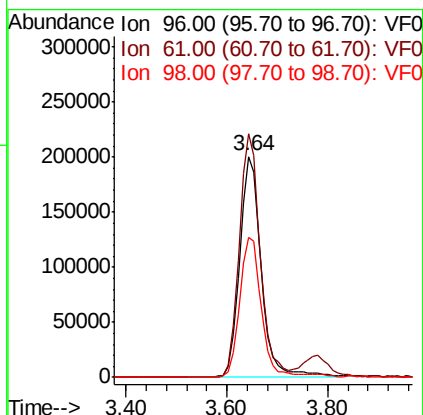
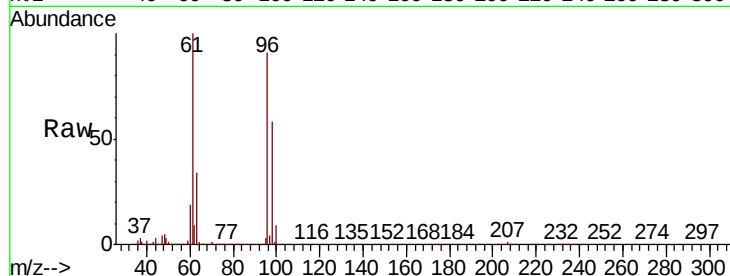


#27

cis-1,2-Dichloroethene
Concen: 50.019 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

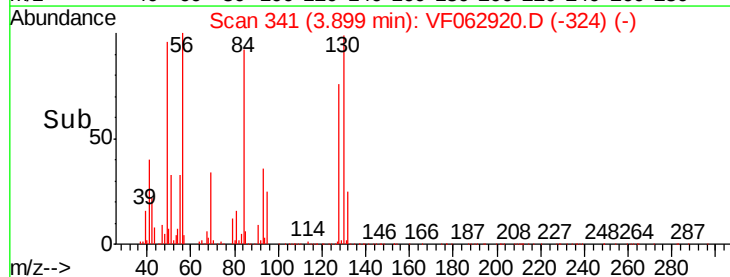
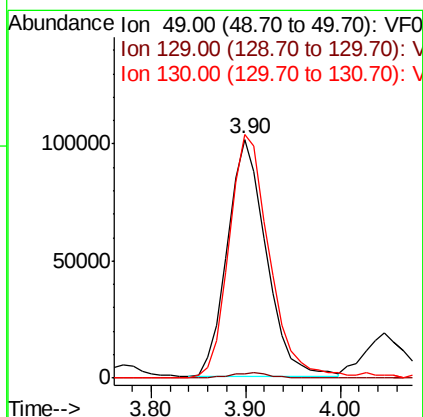
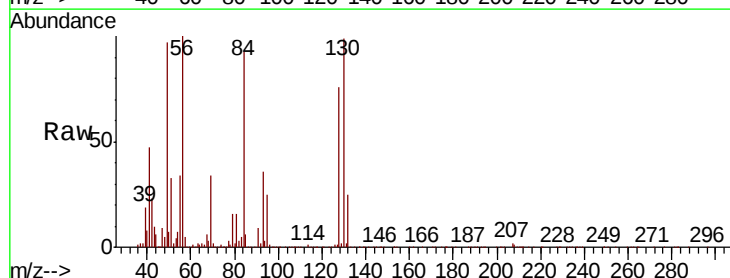
Tot Ion	Ratio	Lower	Upper
96	100		
61	110.2	0.0	213.8
98	63.4	0.0	127.0

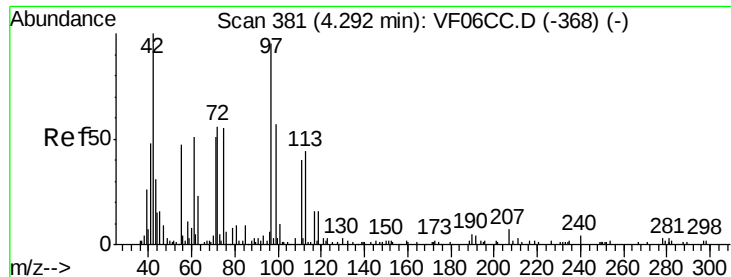


#28

Bromochloromethane
Concen: 46.894 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.4
130	102.1	79.2	118.8

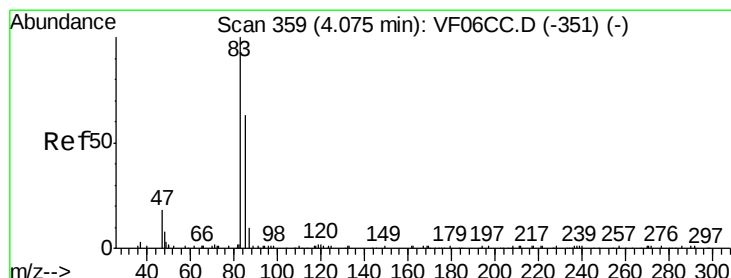
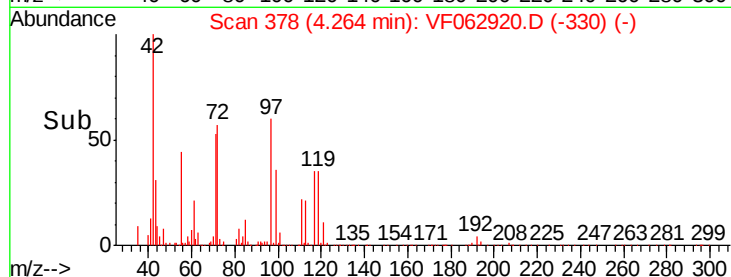
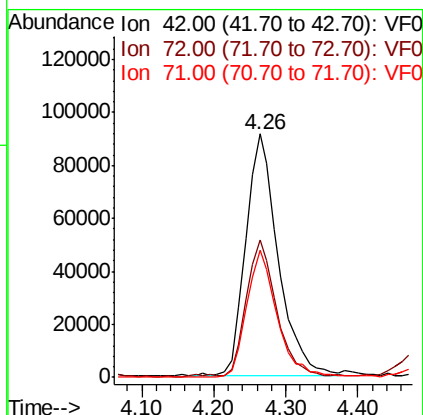
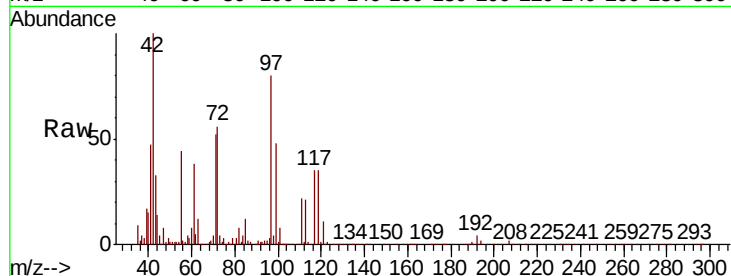




#29
Tetrahydrofuran
Concen: 246.161 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

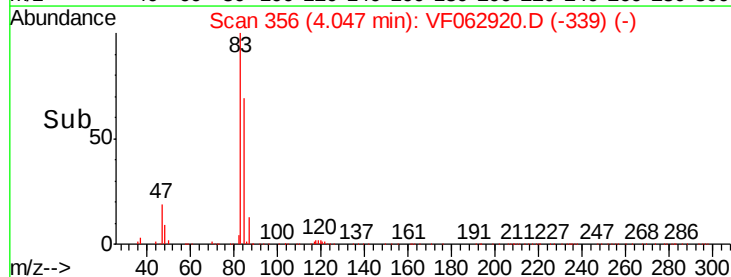
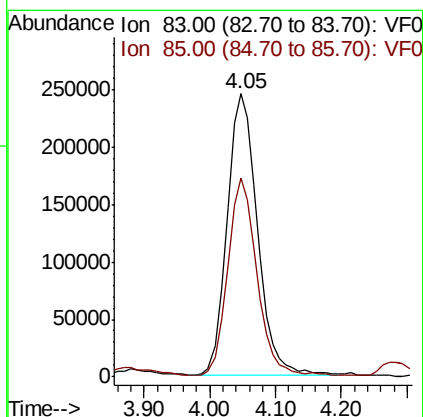
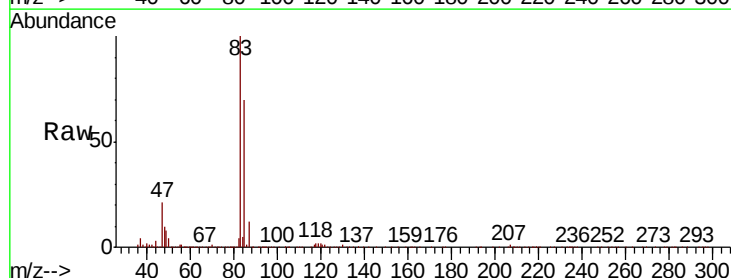
Instrument :
MSVOA_F
ClientSampleId :

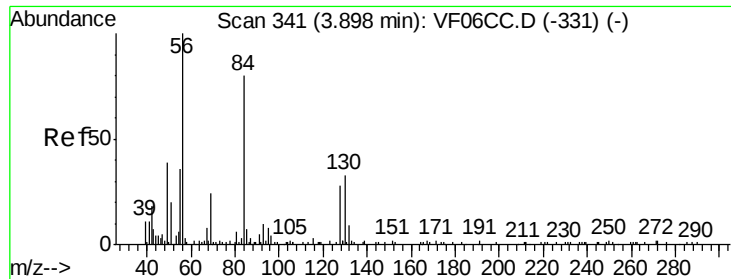
Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	39.0	58.6
71	49.4	36.9	55.3



#30
Chloroform
Concen: 49.411 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.2	55.0	82.6

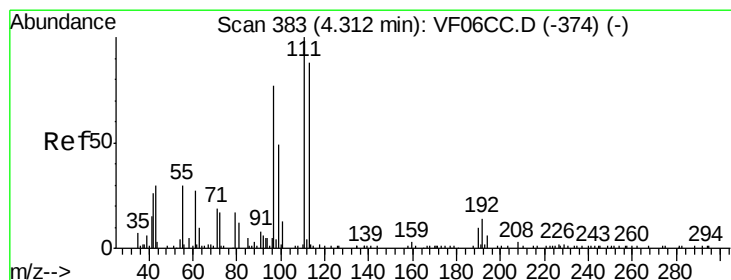
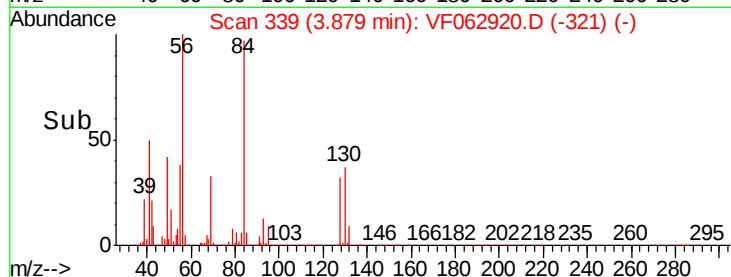
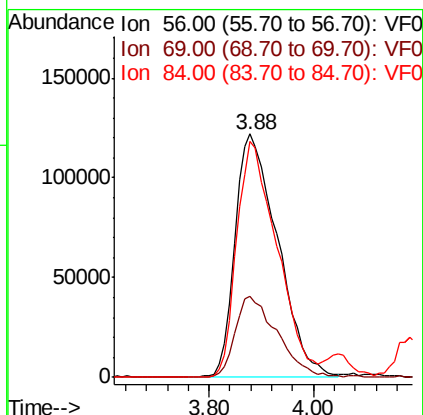
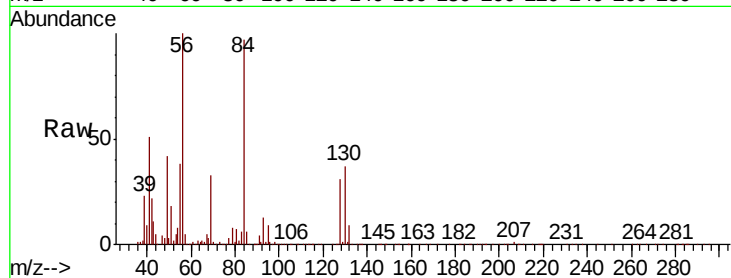




#31
Cyclohexane
Concen: 43.761 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

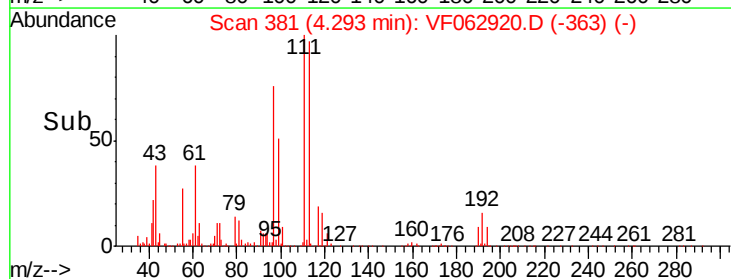
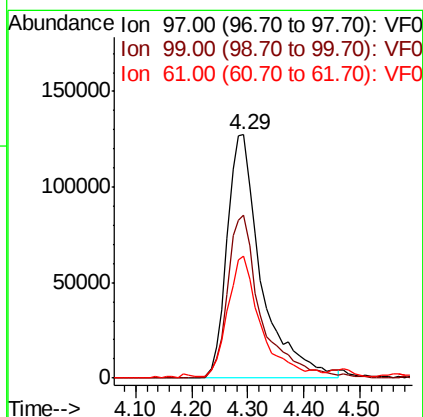
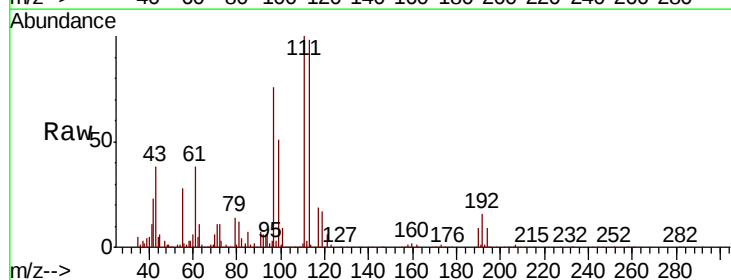
Instrument :
MSVOA_F
ClientSampleId :

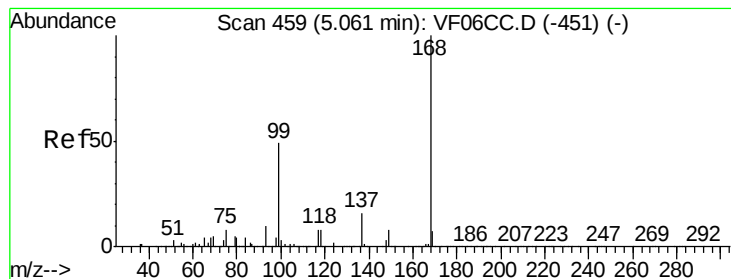
Tot Ion: 56 Resp: 672315
Ion Ratio Lower Upper
56 100
69 33.3 26.7 40.1
84 97.1 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 58.037 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 97 Resp: 540423
Ion Ratio Lower Upper
97 100
99 66.8 51.7 77.5
61 49.9 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 53.702 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

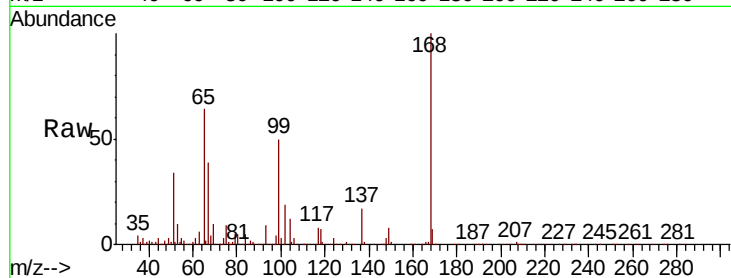
ClientSampled :

Tot Ion: 65 Resp: 308139

Ion Ratio Lower Upper

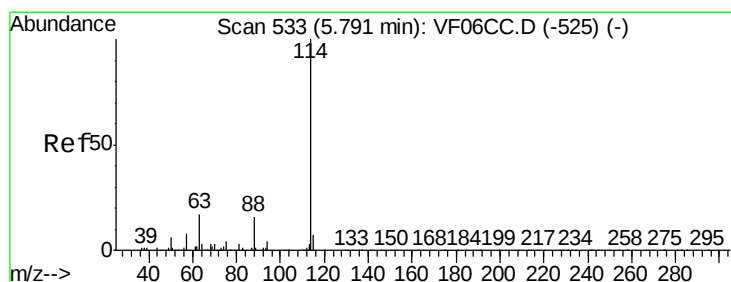
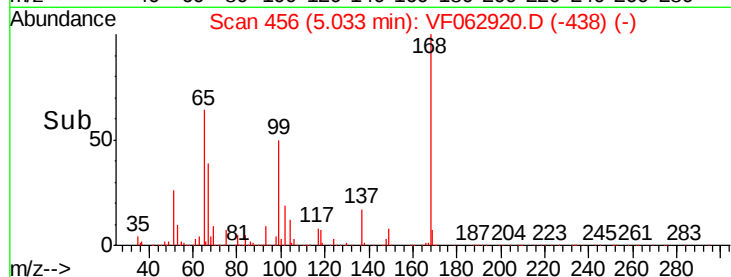
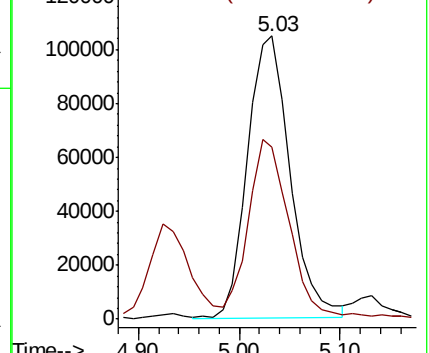
65 100

67 60.9 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

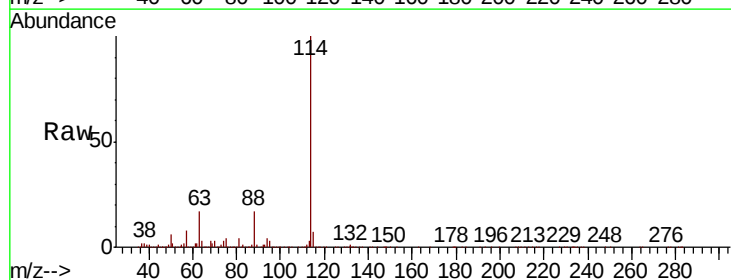
Tgt Ion: 114 Resp: 1355197

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

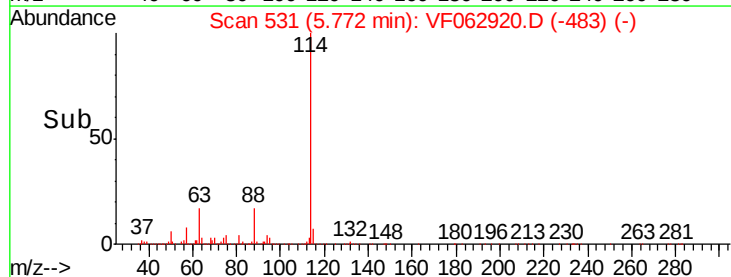
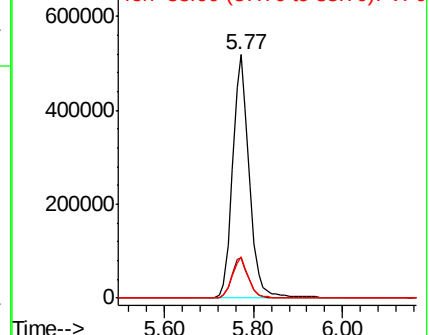
88 16.9 0.0 31.2

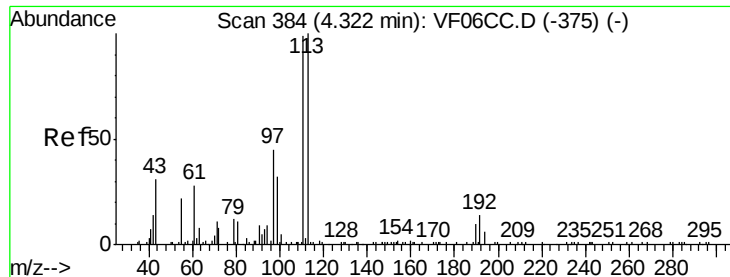


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

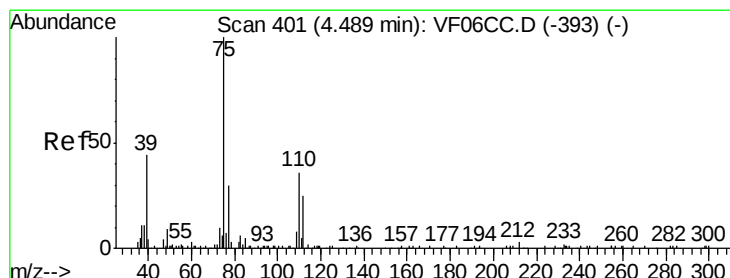
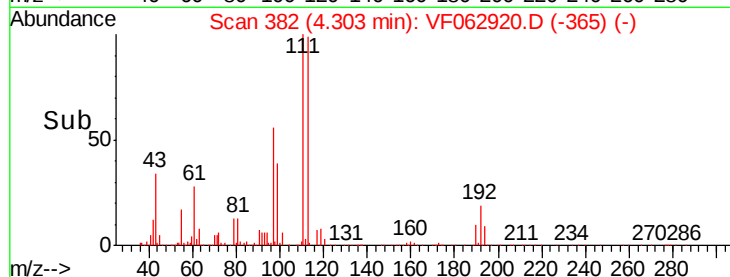
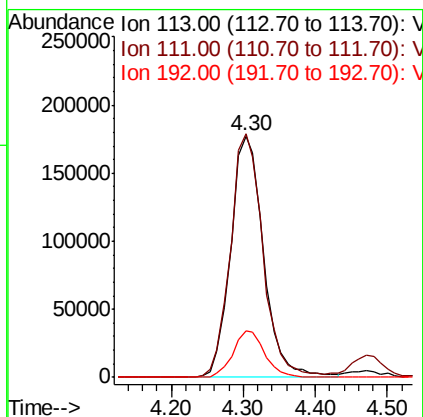
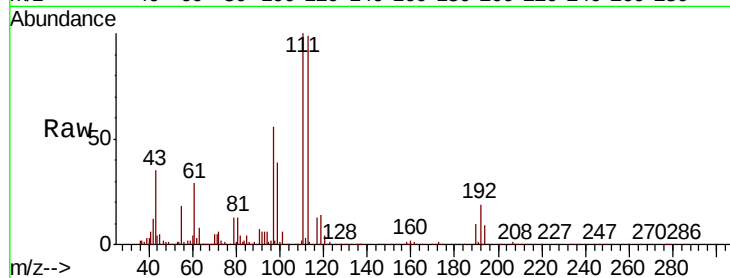




#35
 Dibromofluoromethane
 Concen: 54.961 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

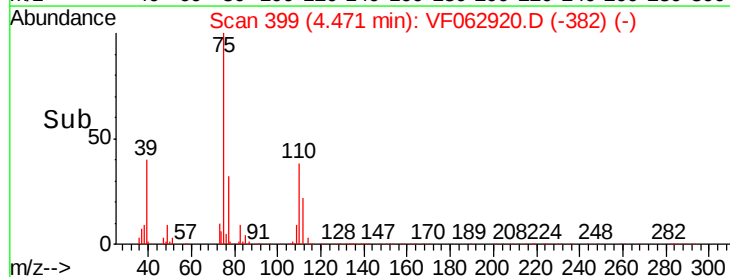
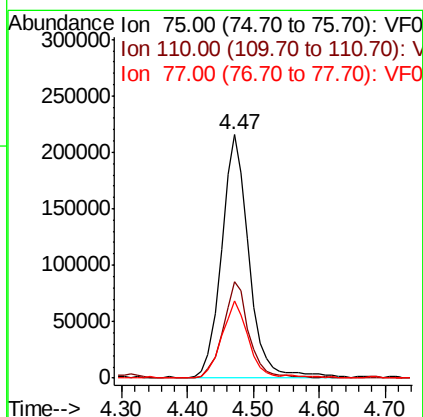
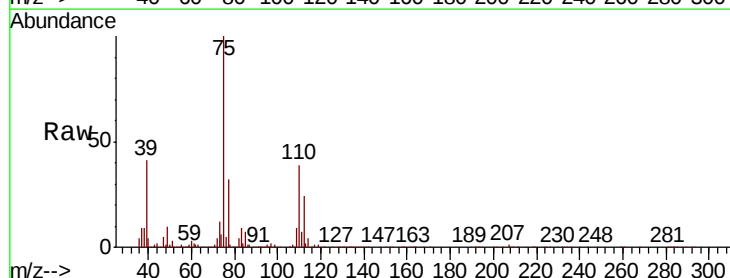
Instrument :
 MSVOA_F
 ClientSampleId :

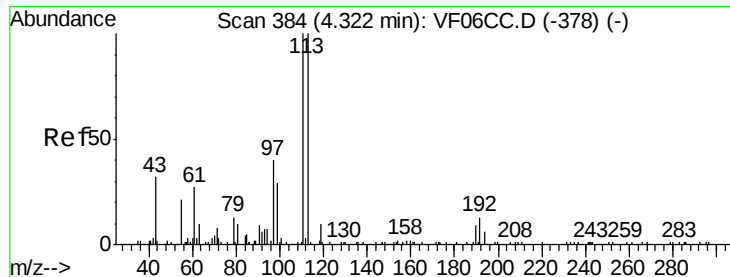
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	19.4	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 49.787 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.4	58.1
77	31.9	25.4	38.2





#37

Ethyl Acetate

Concen: 50.457 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.04 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

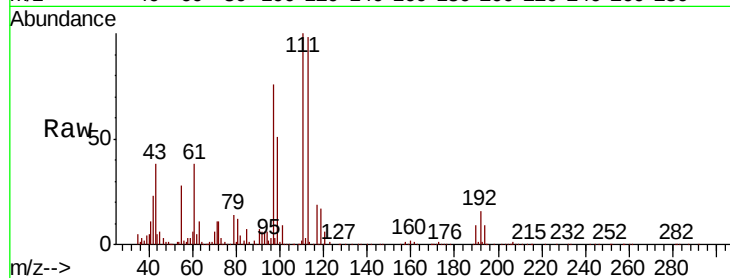
Tot Ion: 43 Resp: 240631

Ion Ratio Lower Upper

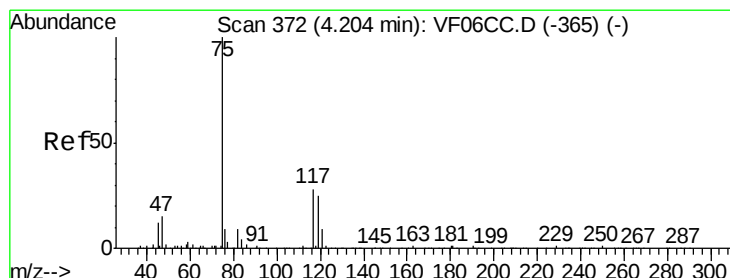
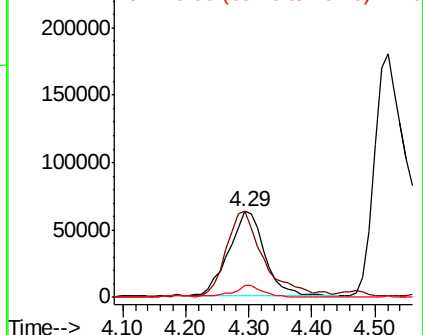
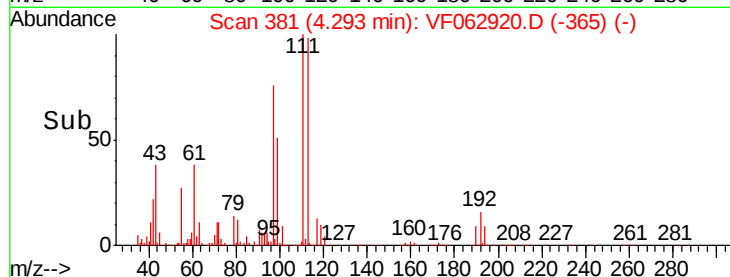
43 100

61 99.7 59.1 88.7#

70 14.6 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 59.636 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

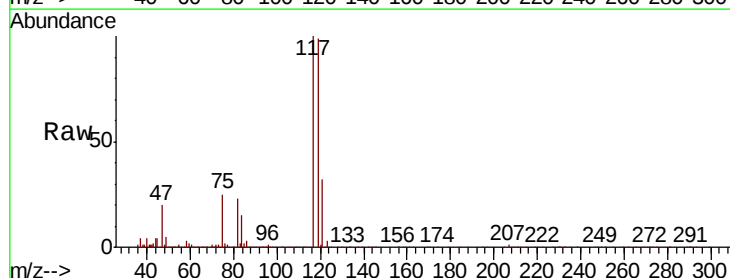
Tgt Ion: 117 Resp: 502827

Ion Ratio Lower Upper

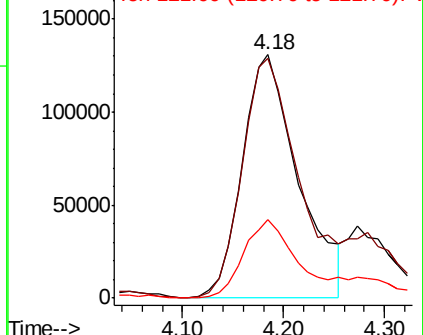
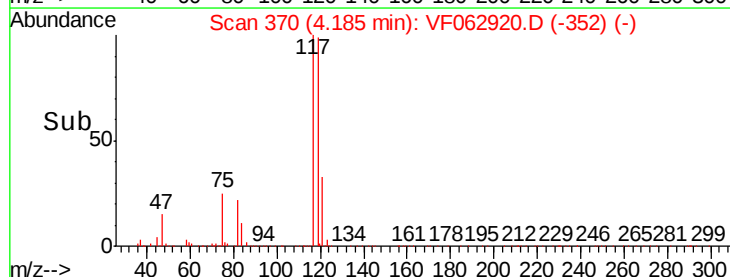
117 100

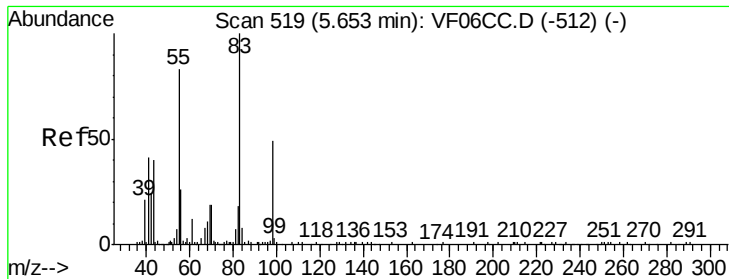
119 98.5 78.2 117.2

121 32.5 28.2 42.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

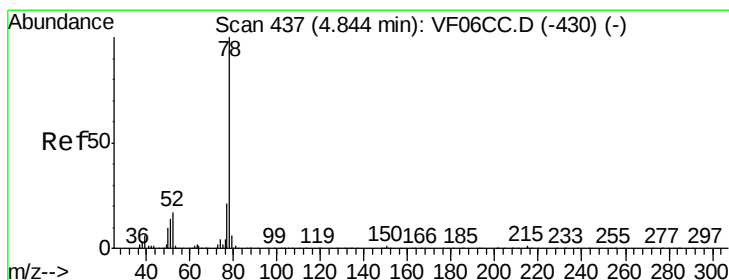
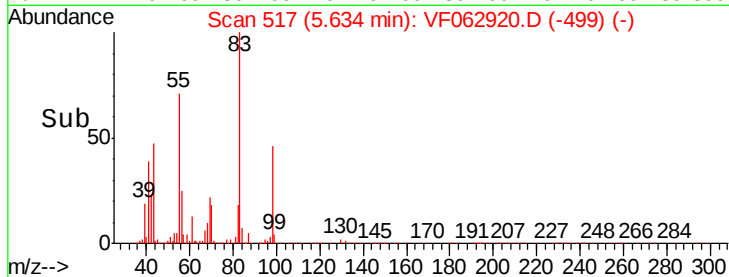
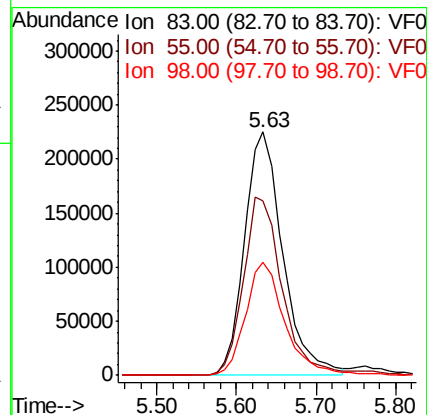
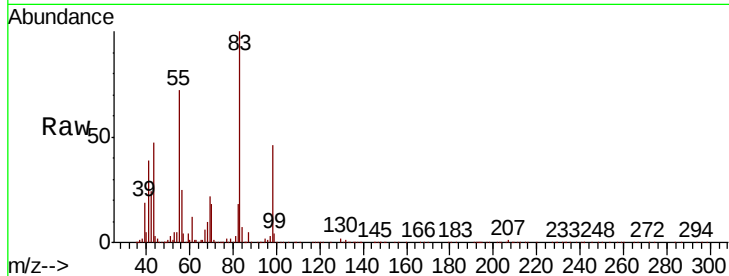




#39
Methvlcvclohexane
Concen: 48.203 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

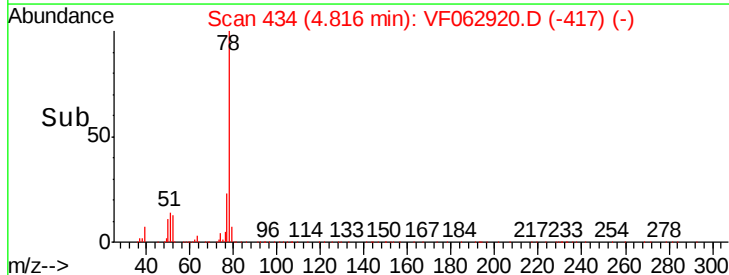
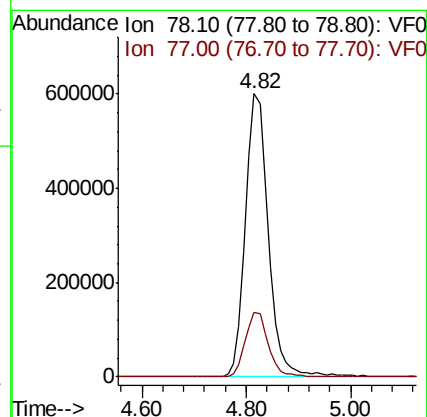
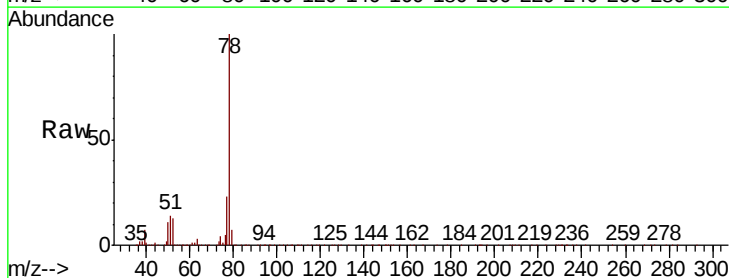
Instrument :
MSVOA_F
ClientSampleId :

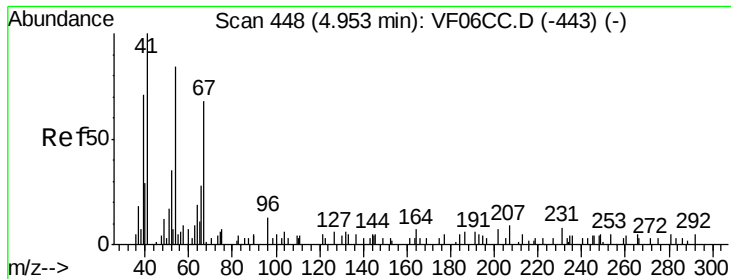
Tot Ion: 83 Resp: 748460
Ion Ratio Lower Upper
83 100
55 71.5 61.6 92.4
98 46.2 37.4 56.2



#40
Benzene
Concen: 48.422 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 78 Resp: 1758163
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3

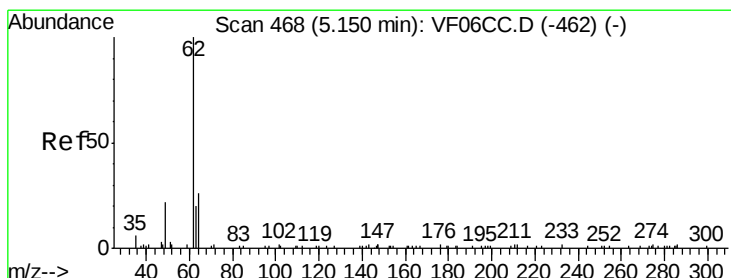
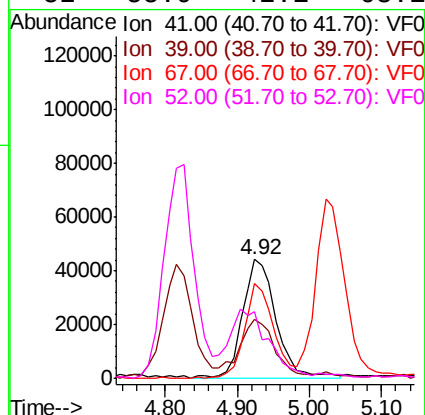
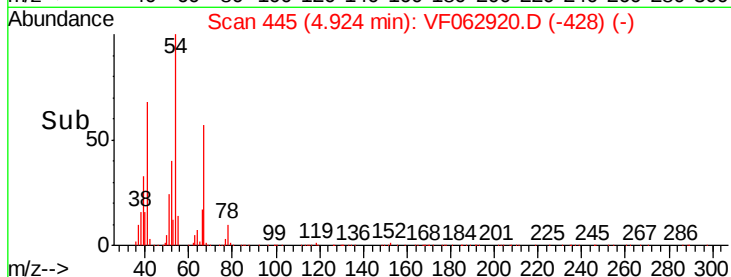
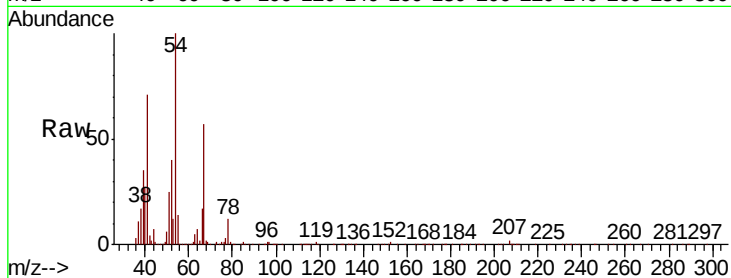




#41
Methacrylonitrile
Concen: 53.419 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

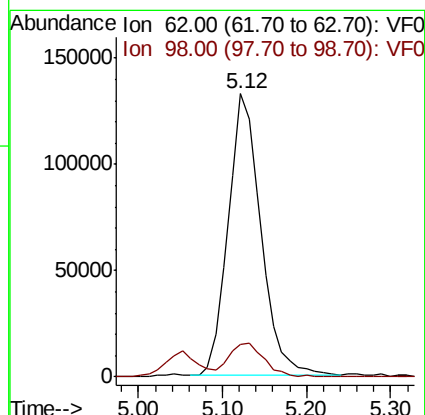
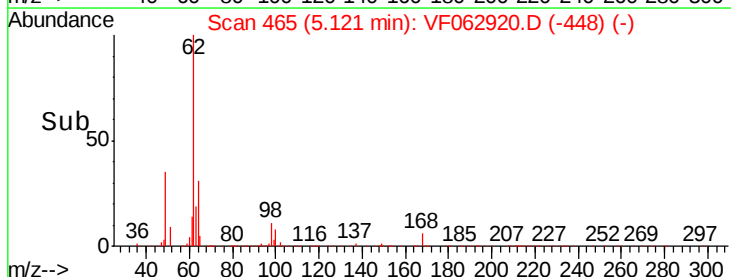
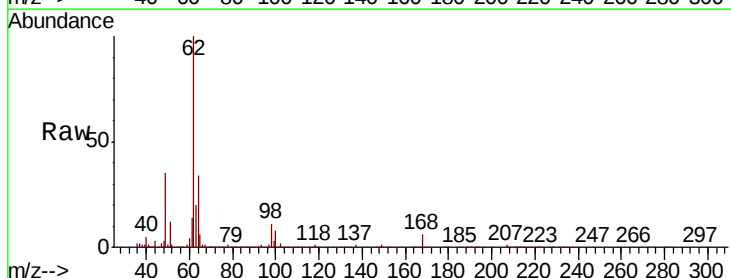
Instrument :
MSVOA_F
ClientSampleId :

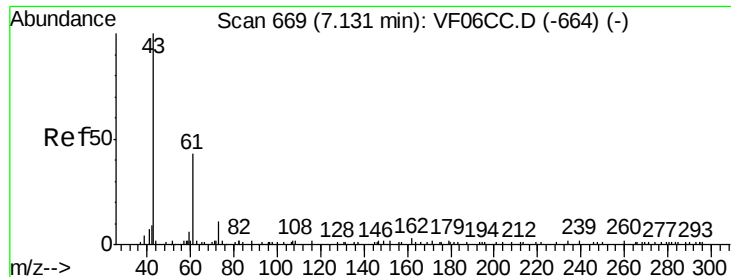
Tot Ion:	41	Resp:	141627
Ion	Ratio	Lower	Upper
41	100		
39	49.8	42.0	63.0
67	80.2	61.4	92.0
52	55.9	42.1	63.1



#42
1,2-Dichloroethane
Concen: 51.660 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion:	62	Resp:	356750
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	24.0



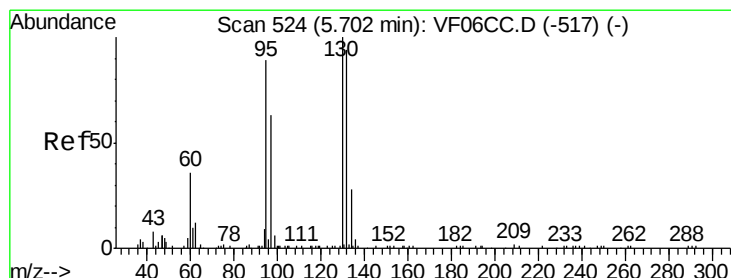
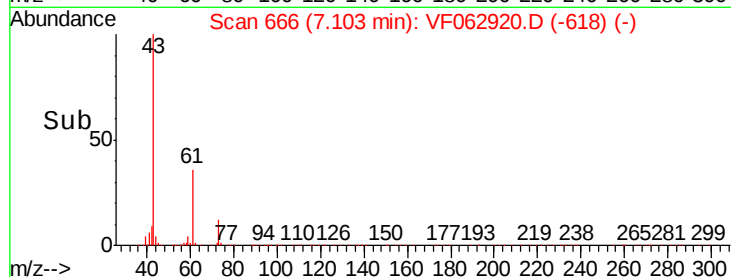
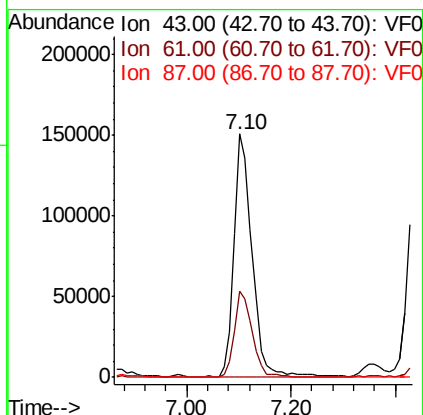
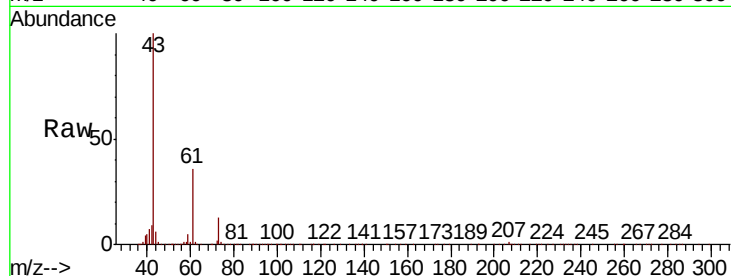


#43

Isopropyl Acetate
 Concen: 56.086 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :

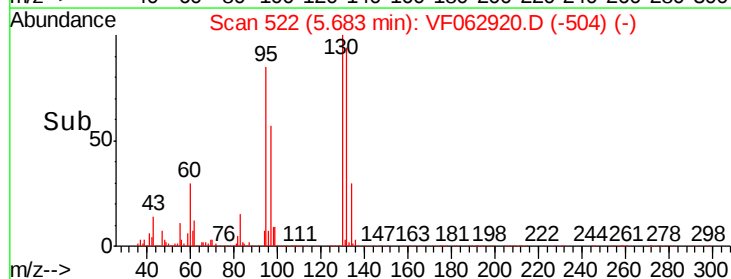
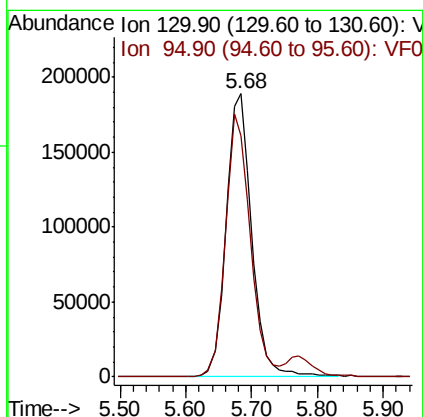
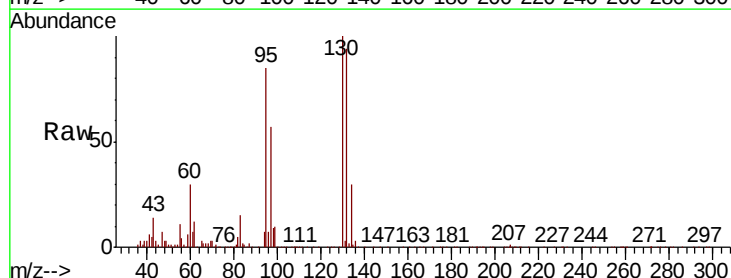
Tot Ion: 43 Resp: 353340
 Ion Ratio Lower Upper
 43 100
 61 35.6 29.8 44.6
 87 0.3 0.3 0.5#

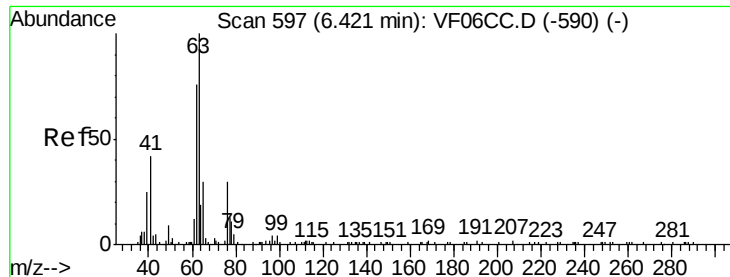


#44

Trichloroethene
 Concen: 50.198 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 130 Resp: 514398
 Ion Ratio Lower Upper
 130 100
 95 85.0 0.0 188.2

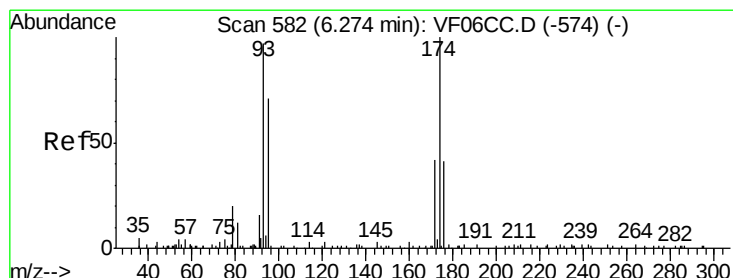
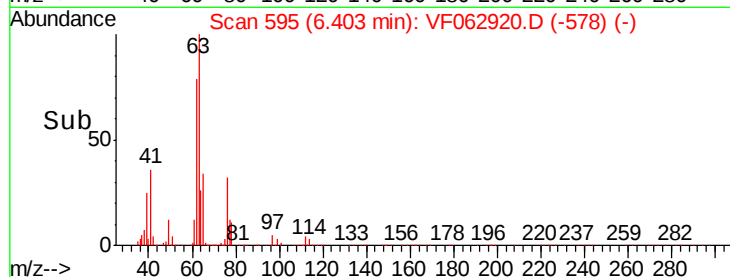
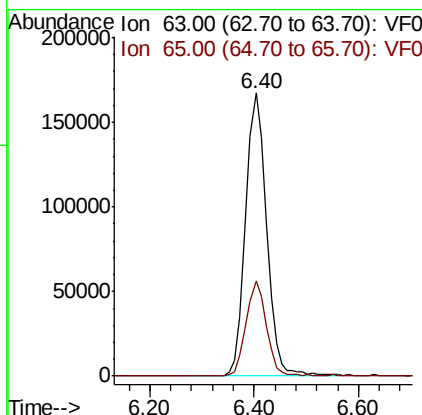
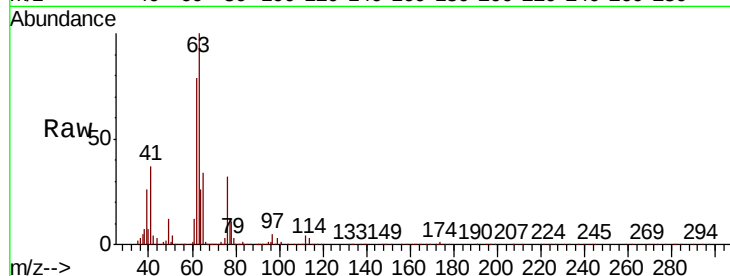




#45
 1,2-Dichloropropane
 Concen: 49.823 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

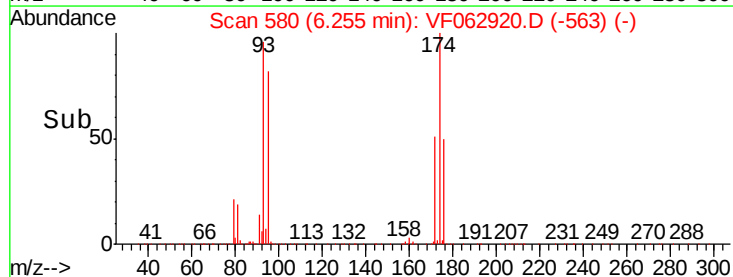
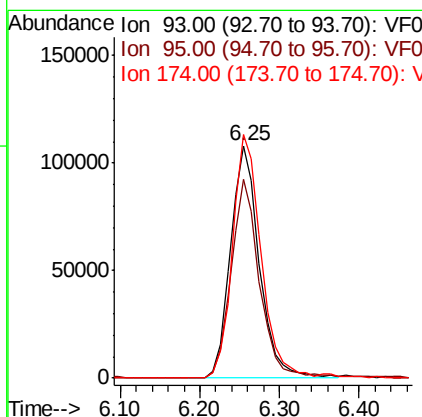
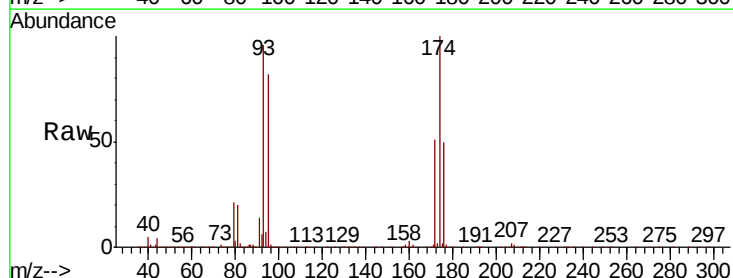
Instrument :
 MSVOA_F
 ClientSampleId :

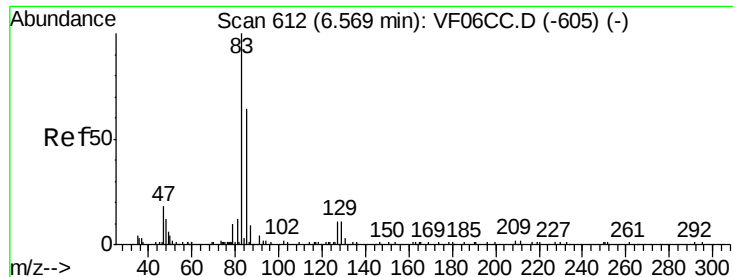
Tot Ion: 63 Resp: 453971
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.2 36.2



#46
 Dibromomethane
 Concen: 51.506 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 93 Resp: 274001
 Ion Ratio Lower Upper
 93 100
 95 85.7 67.9 101.9
 174 104.7 85.0 127.4





#47

Bromodichloromethane

Concen: 51.863 ug/l

RT: 6.55 min Scan# 610

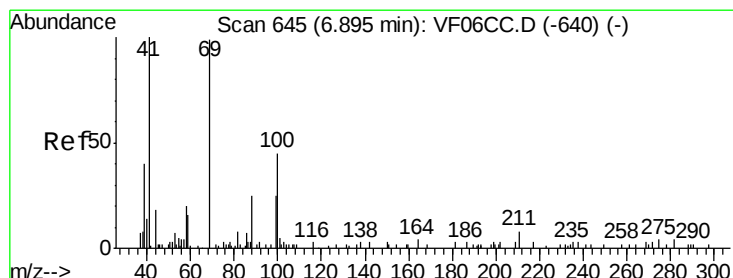
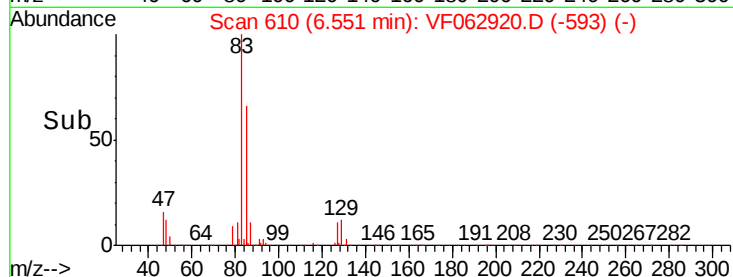
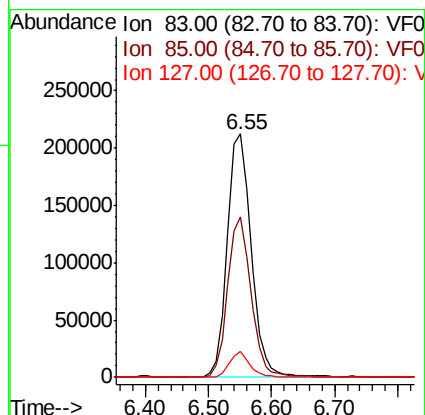
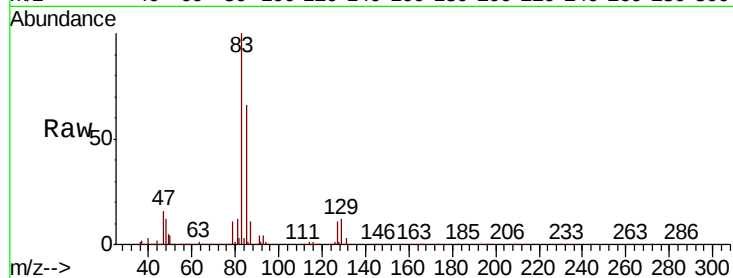
Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	561883
Ion	Ratio	Lower	Upper
83	100		
85	65.9	54.2	81.4
127	10.7	7.0	10.4#



#48

Methyl methacrylate

Concen: 53.421 ug/l

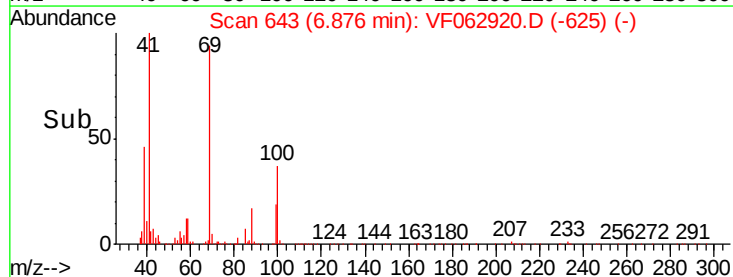
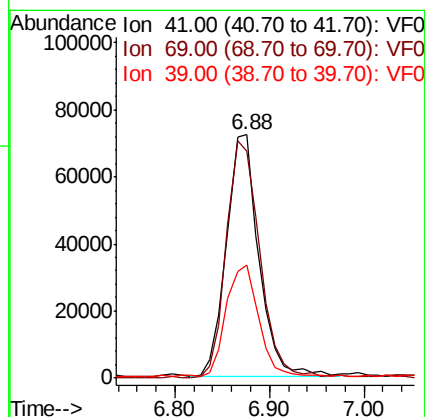
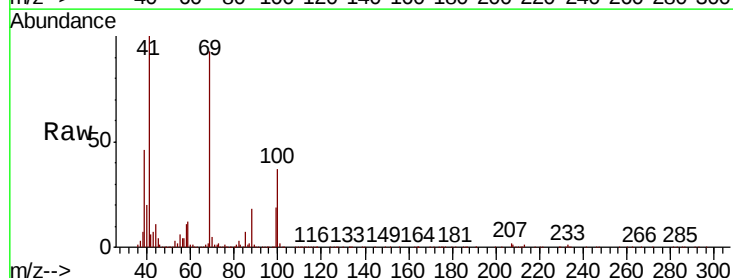
RT: 6.88 min Scan# 643

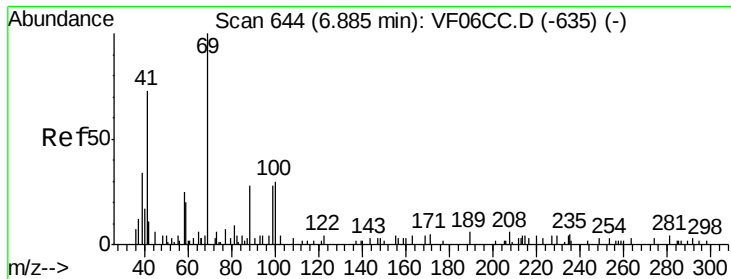
Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Tgt Ion:	41	Resp:	173446
Ion	Ratio	Lower	Upper
41	100		
69	93.0	79.4	119.2
39	46.3	39.8	59.6

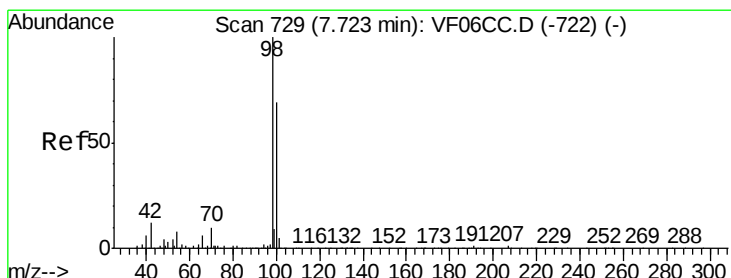
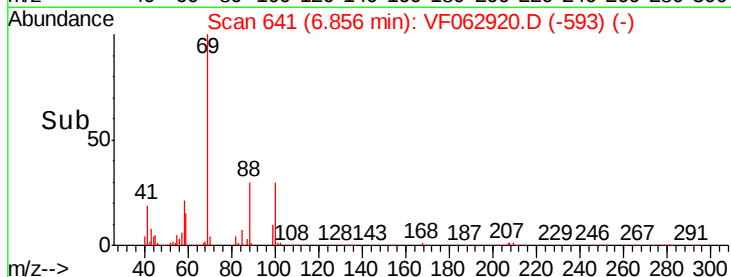
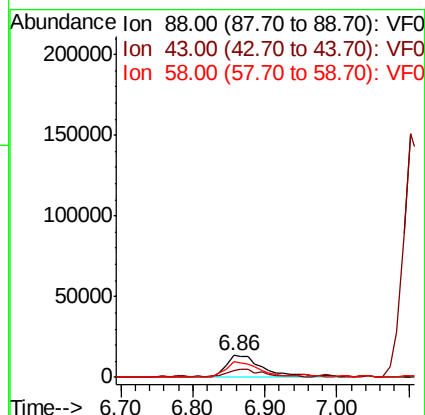
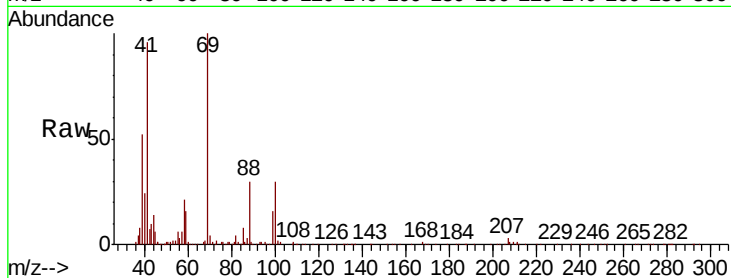




#49
 1,4-Dioxane
 Concen: 1162.833 ug/l
 RT: 6.86 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

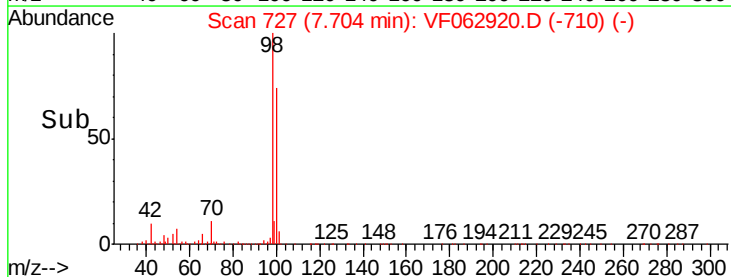
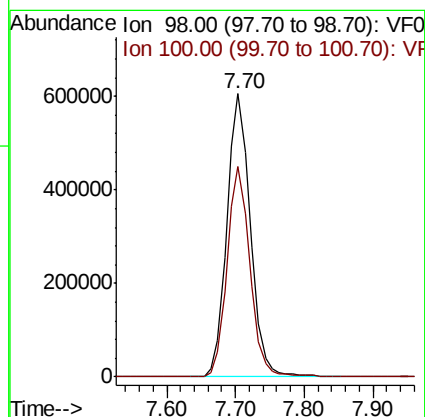
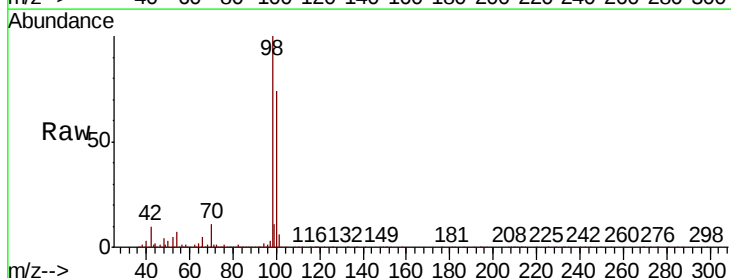
Instrument :
 MSVOA_F
 ClientSampleId :

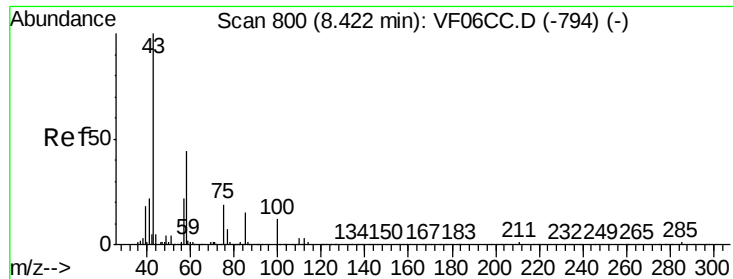
Tot Ion: 88 Resp: 49765
 Ion Ratio Lower Upper
 88 100
 43 32.5 34.8 52.2#
 58 72.0 59.9 89.9



#50
 Toluene-d8
 Concen: 55.326 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.03 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 98 Resp: 1432735
 Ion Ratio Lower Upper
 98 100
 100 74.5 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 263.873 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

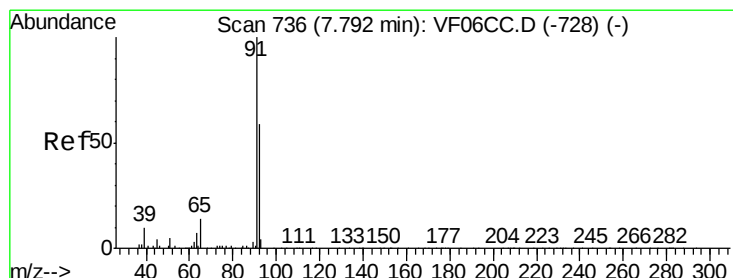
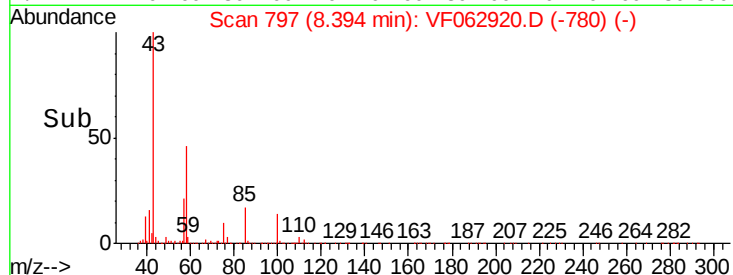
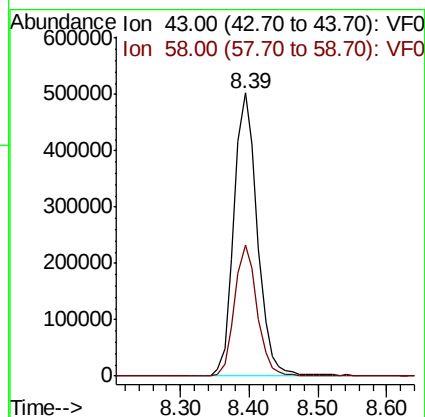
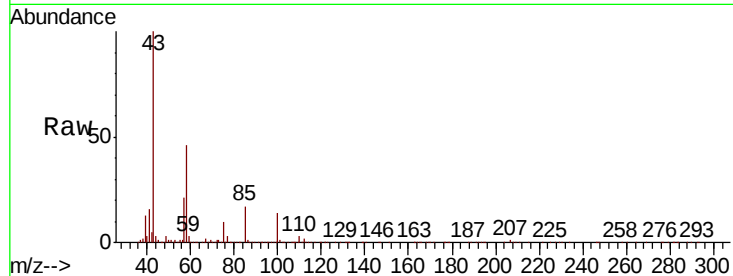
ClientSampleId :

Tot Ion: 43 Resp: 1186850

Ion Ratio Lower Upper

43 100

58 46.2 35.5 53.3



#52

Toluene

Concen: 50.553 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062920.D

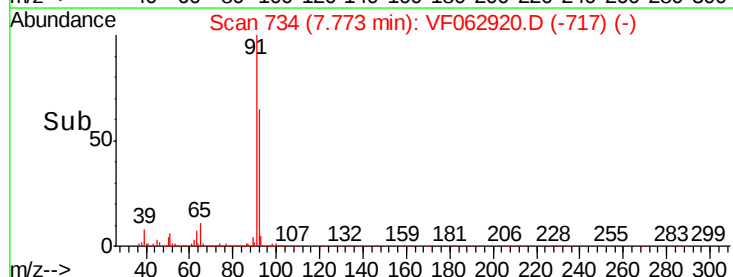
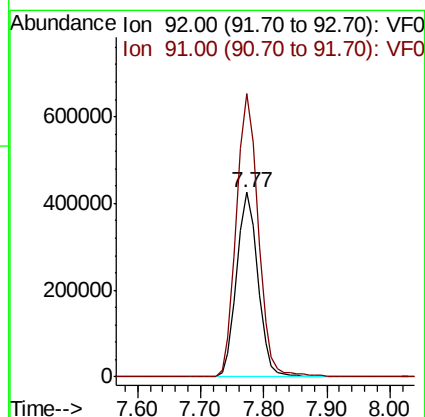
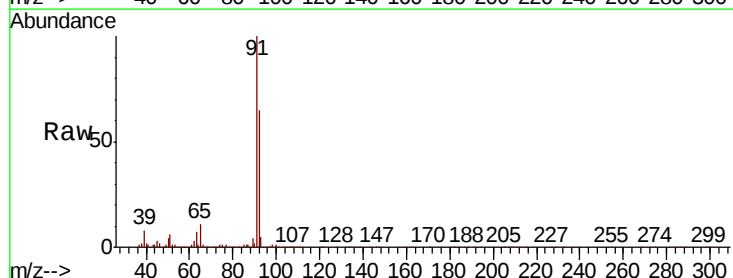
Acq: 12 Jun 2019 10:59

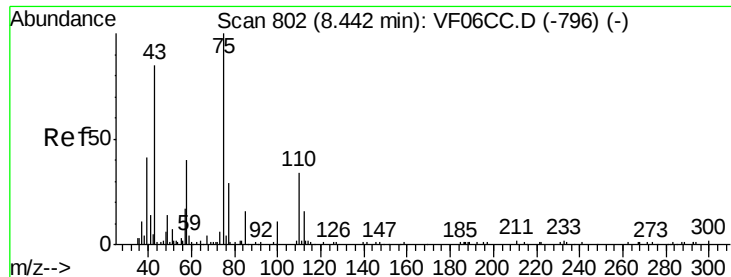
Tgt Ion: 92 Resp: 988644

Ion Ratio Lower Upper

92 100

91 153.6 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 52.004 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

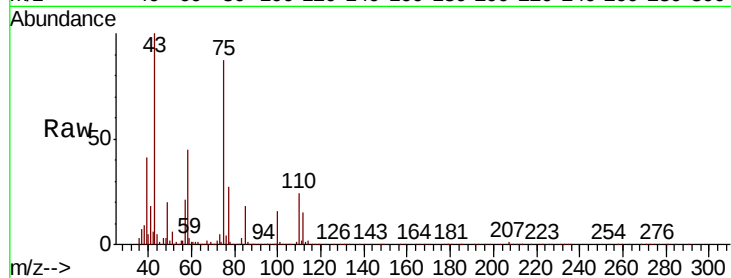
ClientSampleId :

Tot Ion: 75 Resp: 466873

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

200000

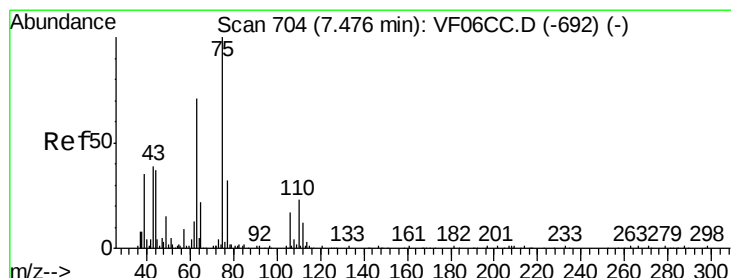
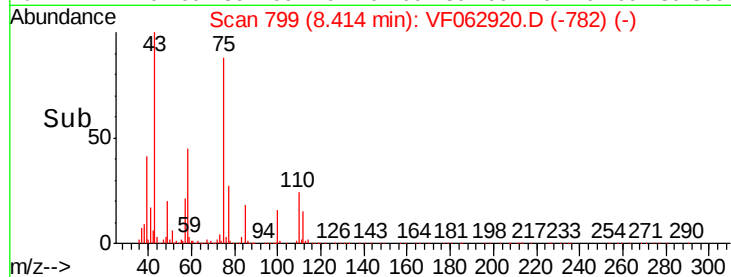
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.446 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

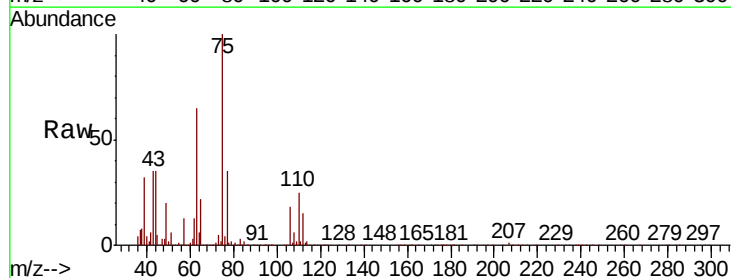
Tgt Ion: 75 Resp: 642559

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.8

39 31.7 28.4 42.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.46

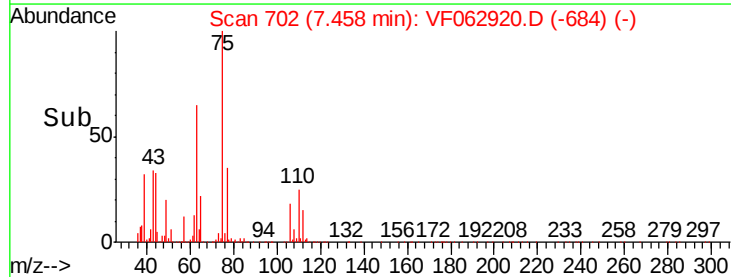
300000

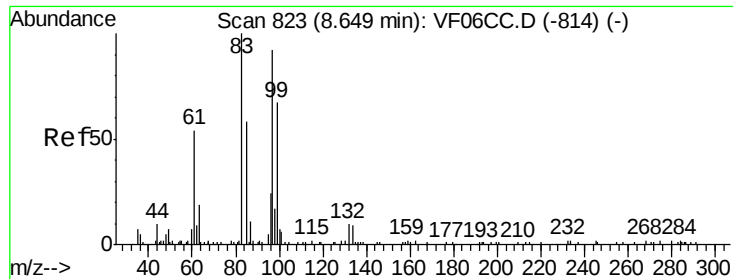
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.400 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 306148

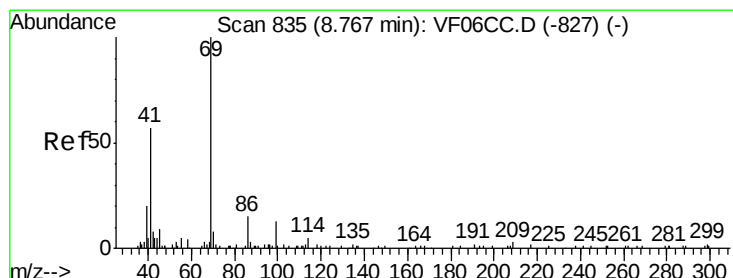
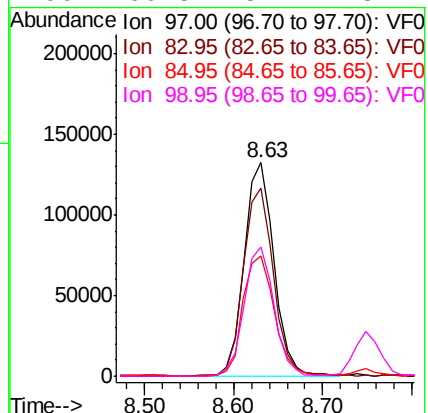
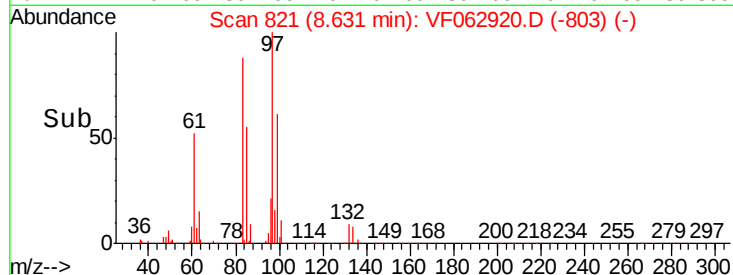
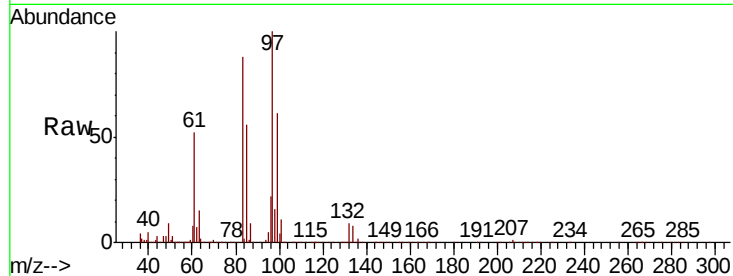
Ion Ratio Lower Upper

97 100

83 88.4 72.0 108.0

85 56.3 47.5 71.3

99 60.5 54.1 81.1



#56

Ethyl methacrylate

Concen: 53.030 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

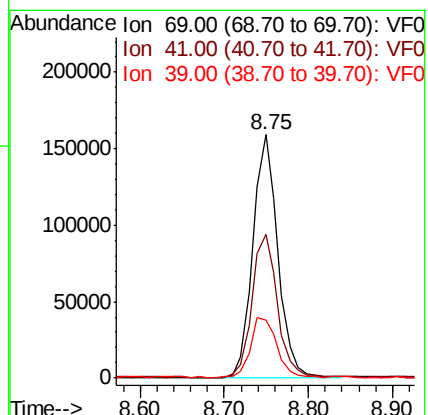
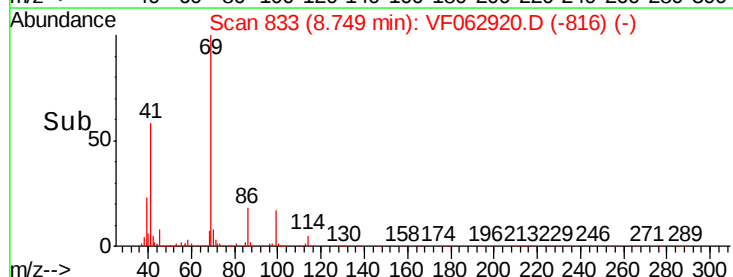
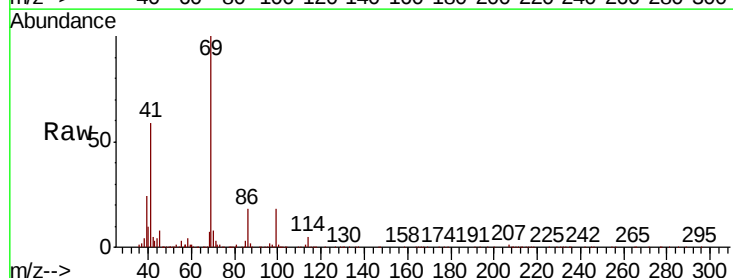
Tgt Ion: 69 Resp: 332434

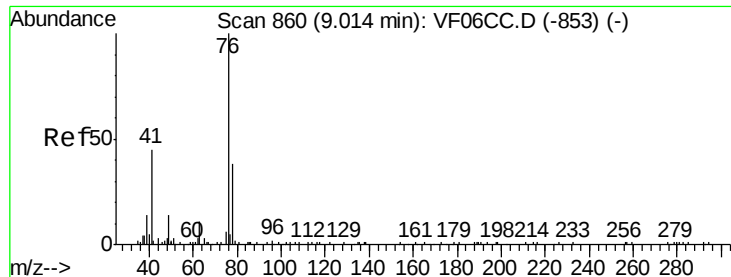
Ion Ratio Lower Upper

69 100

41 59.0 46.6 69.8

39 23.8 19.6 29.4





#57

1,3-Dichloropropane

Concen: 54.884 ug/l

RT: 8.99 min Scan# 857

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

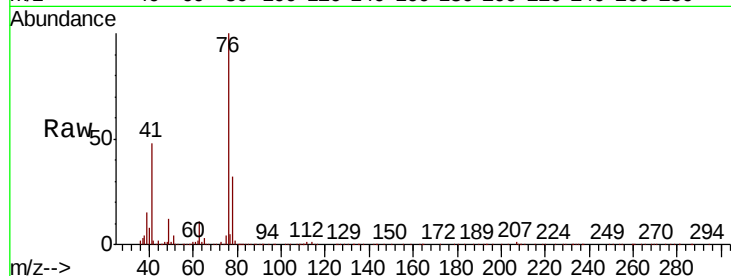
ClientSampleId :

Tot Ion: 76 Resp: 523644

Ion Ratio Lower Upper

76 100

78 32.1 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

250000

200000

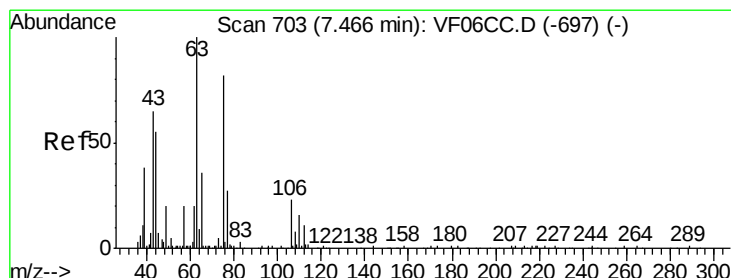
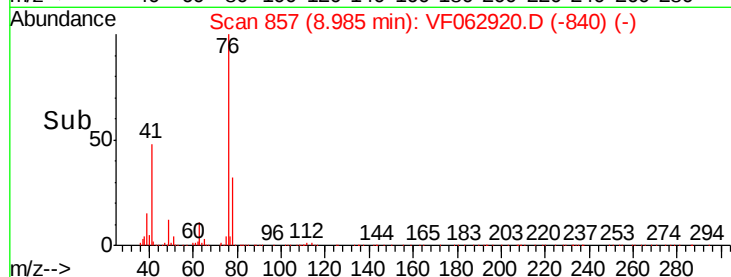
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 280.203 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062920.D

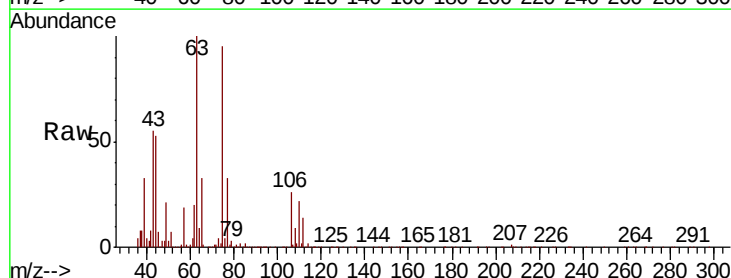
Acq: 12 Jun 2019 10:59

Tgt Ion: 63 Resp: 613892

Ion Ratio Lower Upper

63 100

106 26.2 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.45

300000

250000

200000

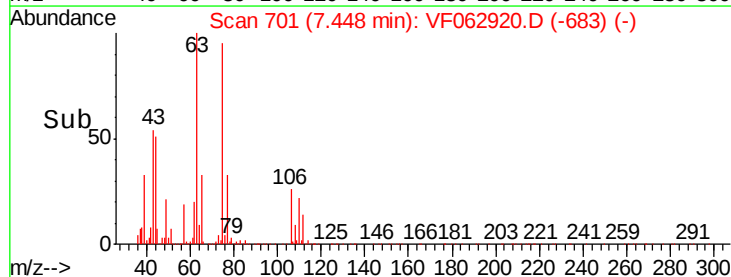
150000

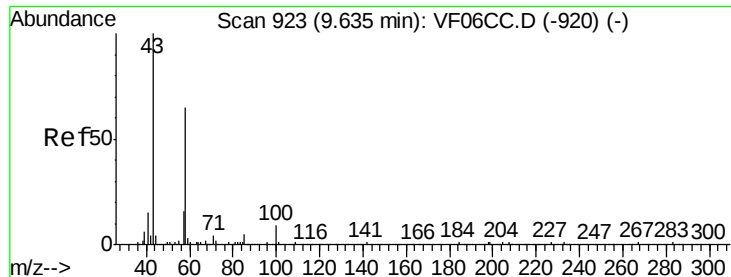
100000

50000

0

Time-->

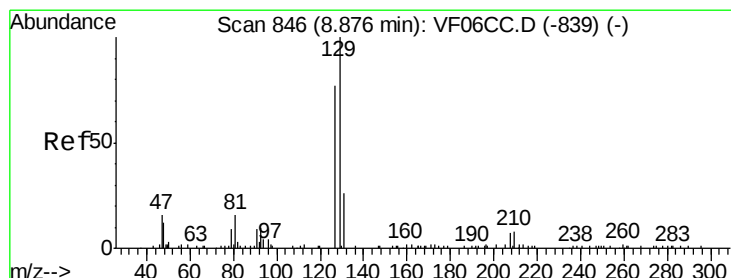
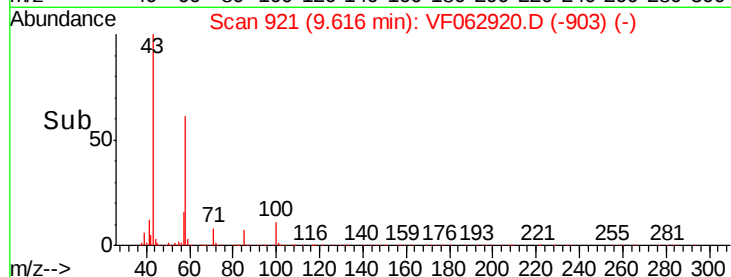
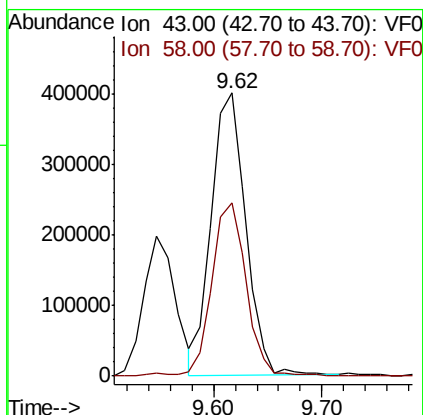
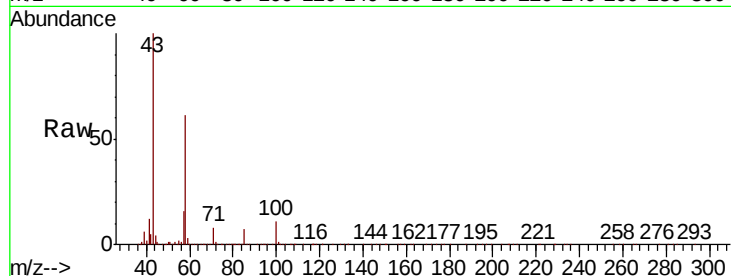




#59
2-Hexanone
Concen: 275.975 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

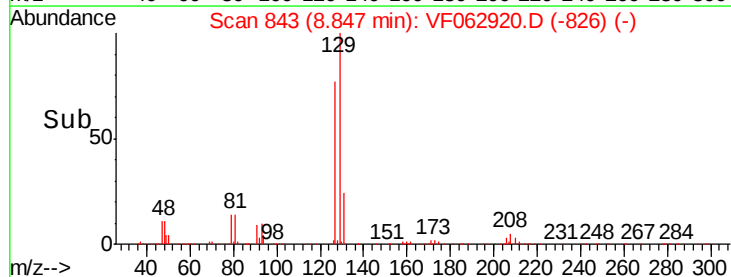
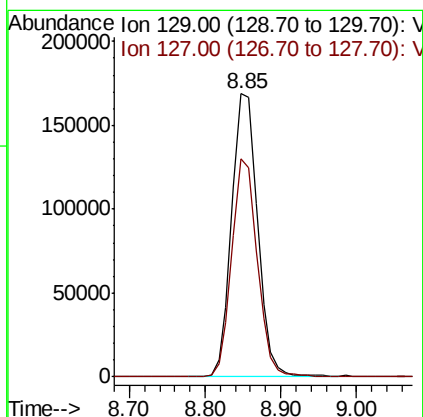
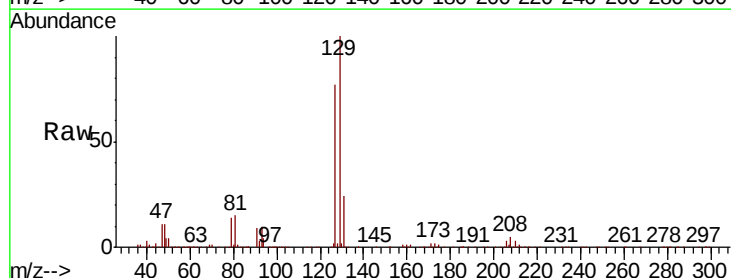
Instrument :
MSVOA_F
ClientSampled :

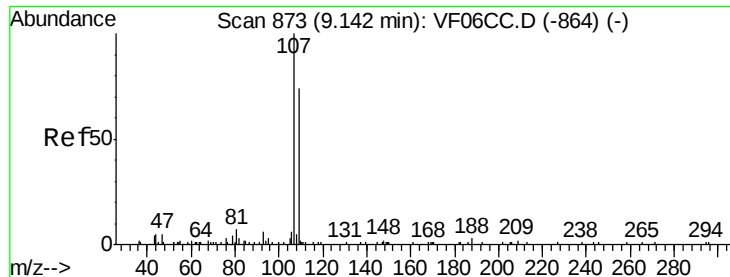
Tot Ion: 43 Resp: 884746
Ion Ratio Lower Upper
43 100
58 61.0 29.3 87.9



#60
Dibromochloromethane
Concen: 55.382 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 129 Resp: 400595
Ion Ratio Lower Upper
129 100
127 77.0 37.1 111.3





#61

1,2-Dibromoethane

Concen: 52.539 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

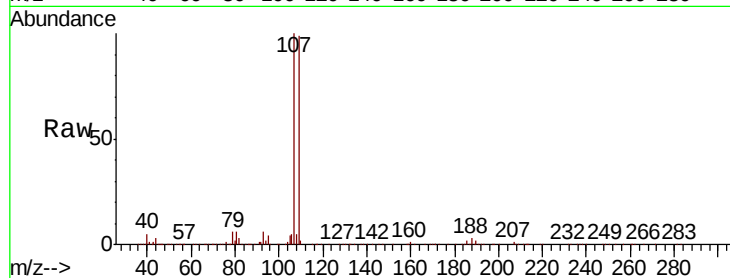
ClientSampleId :

Tot Ion:107 Resp: 318792

Ion Ratio Lower Upper

107 100

109 98.8 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

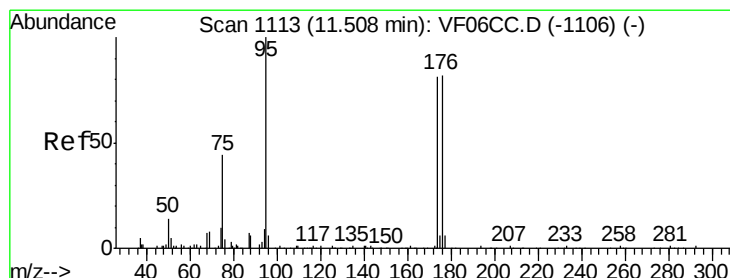
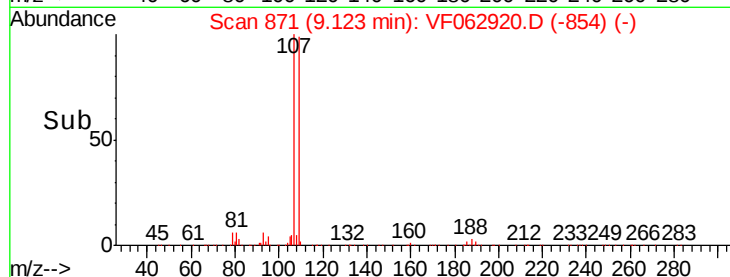
50000

0

9.12

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 53.464 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

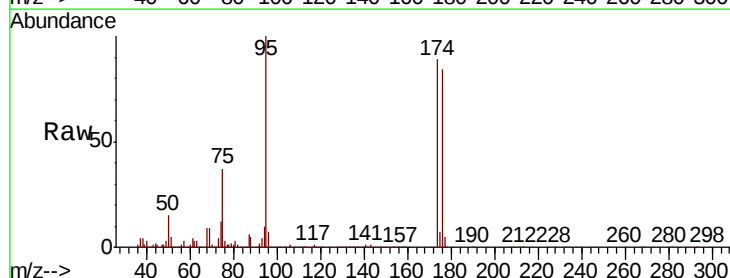
Tgt Ion: 95 Resp: 498019

Ion Ratio Lower Upper

95 100

174 88.7 0.0 170.6

176 83.6 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

400000

300000

200000

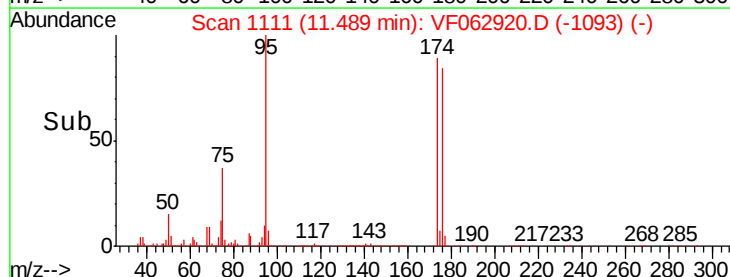
100000

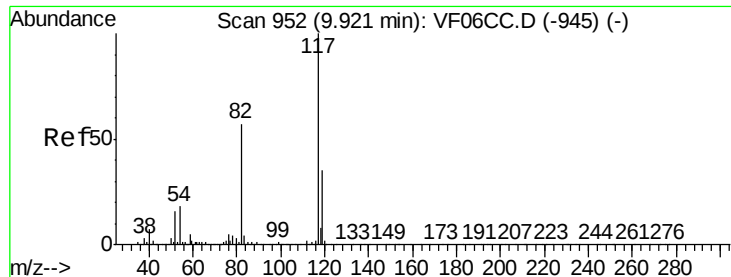
0

11.49

11.40 11.50 11.60

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

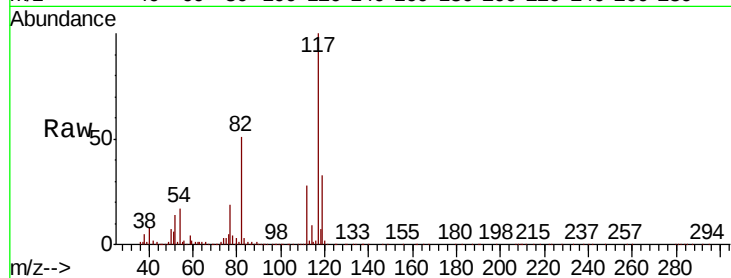
Tot Ion:117 Resp: 1086679

Ion Ratio Lower Upper

117 100

82 50.6 42.4 63.6

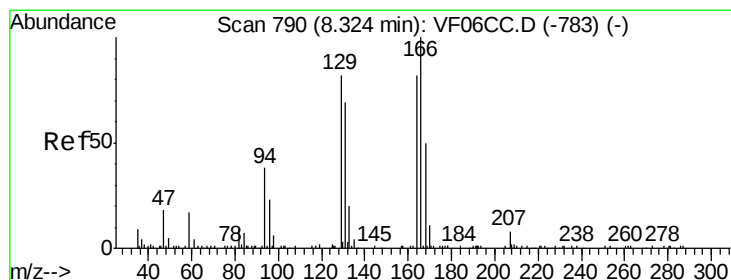
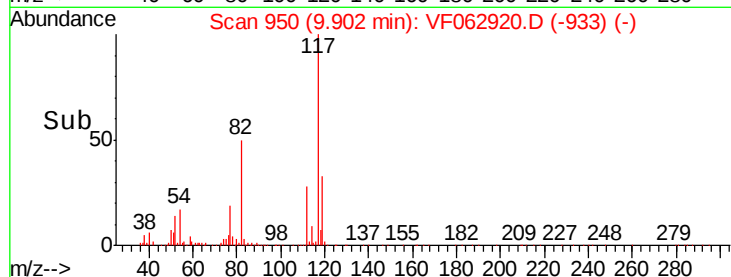
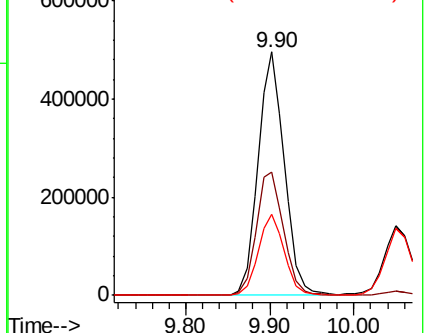
119 33.2 27.1 40.7



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: 46.272 ug/l

RT: 8.30 min Scan# 787

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Tgt Ion:164 Resp: 386390

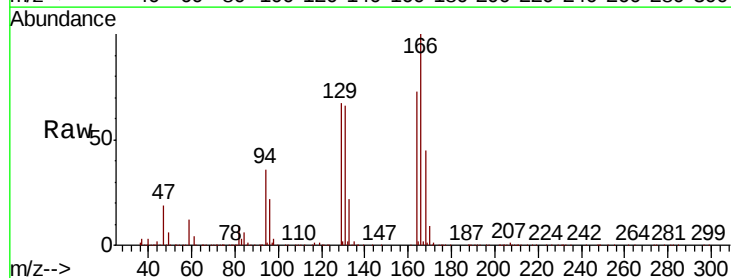
Ion Ratio Lower Upper

164 100

166 136.1 99.1 148.7

129 91.5 69.5 104.3

131 89.2 69.2 103.8

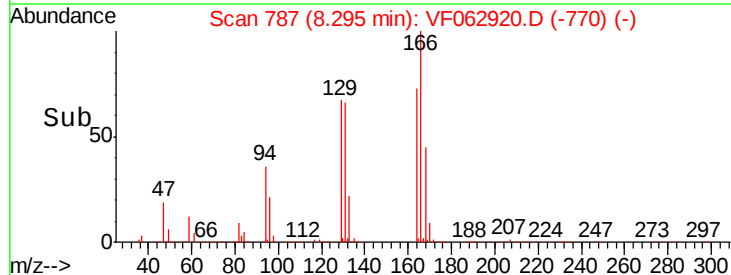
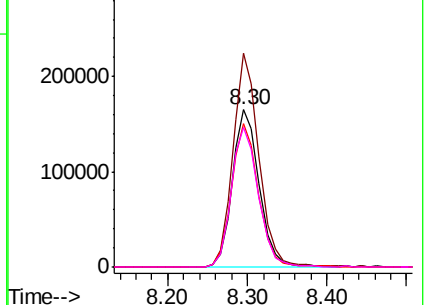


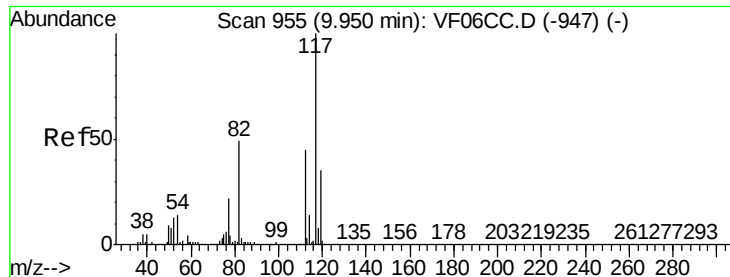
Abundance Ion 163.85 (163.55 to 164.55): V

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: 49.084 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

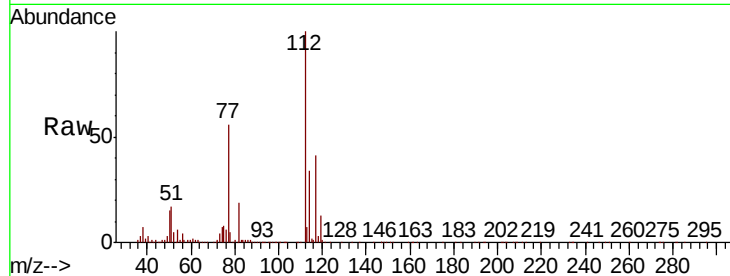
ClientSampleId :

Tot Ion:112 Resp: 1030041

Ion Ratio Lower Upper

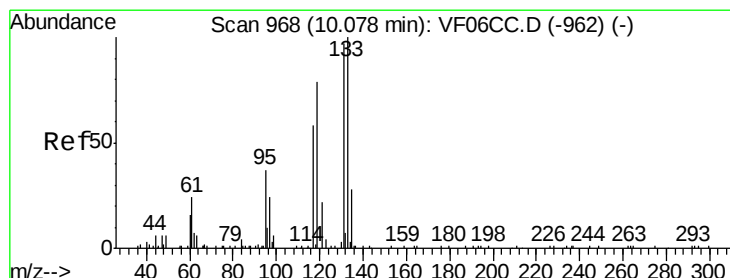
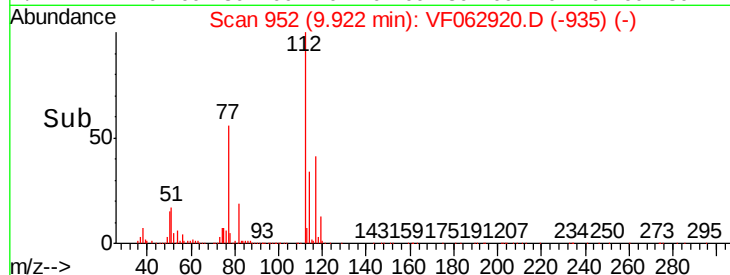
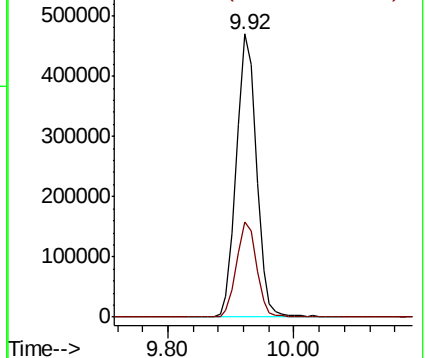
112 100

114 33.8 27.4 41.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.614 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

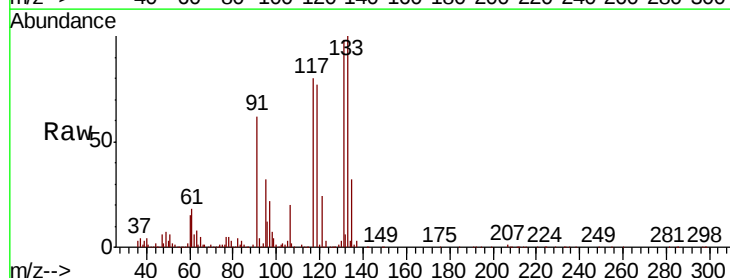
Tgt Ion:131 Resp: 406295

Ion Ratio Lower Upper

131 100

133 101.9 48.9 146.7

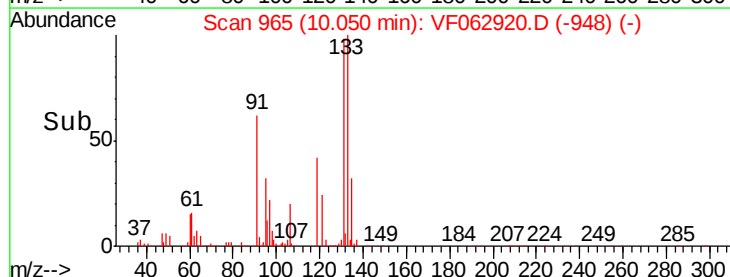
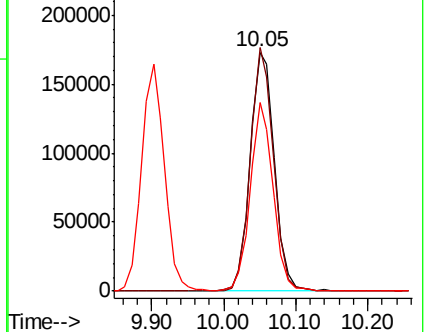
119 78.8 38.0 114.0

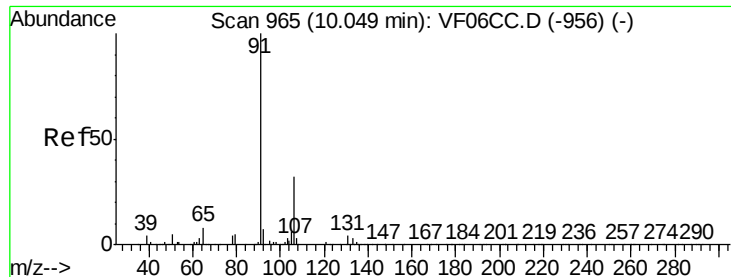


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

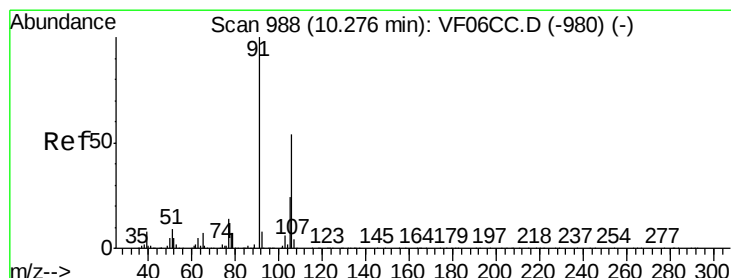
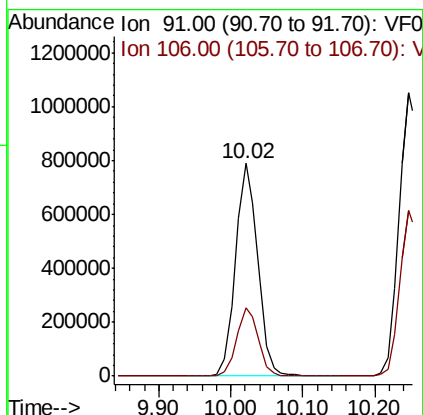
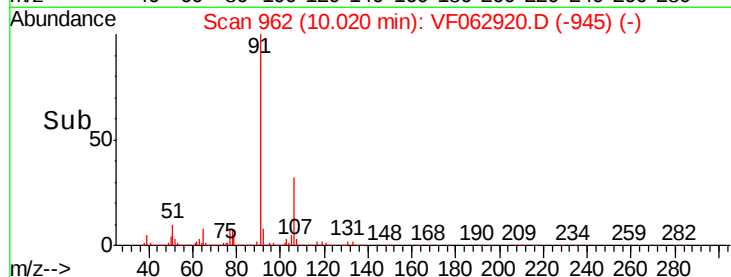
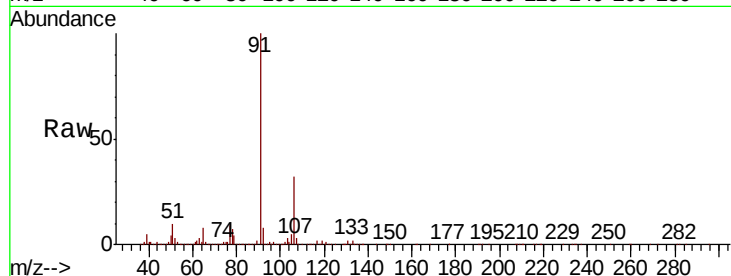




#67
Ethyl Benzene
Concen: 47.193 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

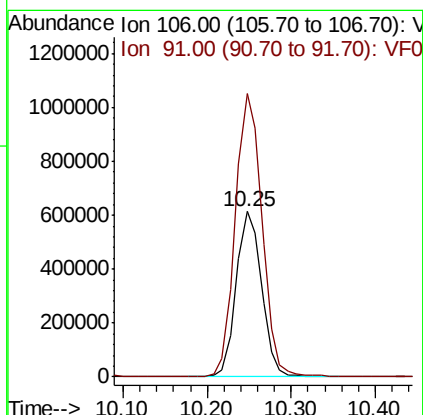
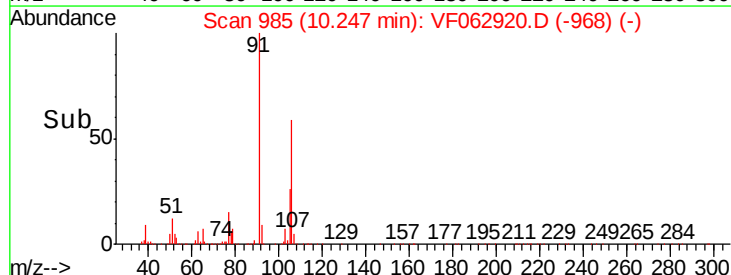
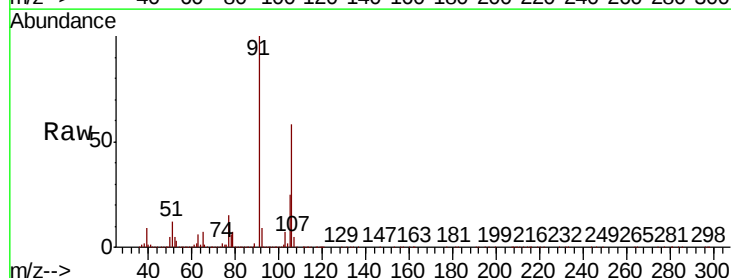
Instrument :
MSVOA_F
ClientSampleId :

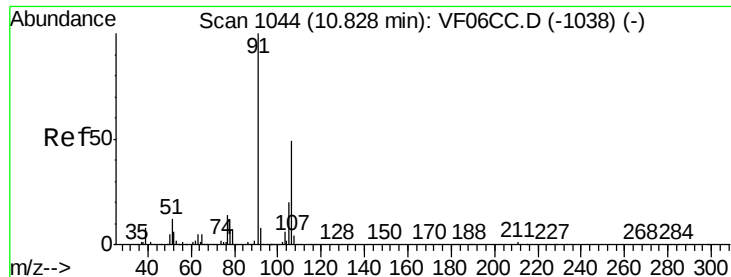
Tot Ion: 91 Resp: 1699518
Ion Ratio Lower Upper
91 100
106 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 93.700 ug/l
RT: 10.25 min Scan# 985
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 106 Resp: 1291227
Ion Ratio Lower Upper
106 100
91 171.5 136.2 204.4

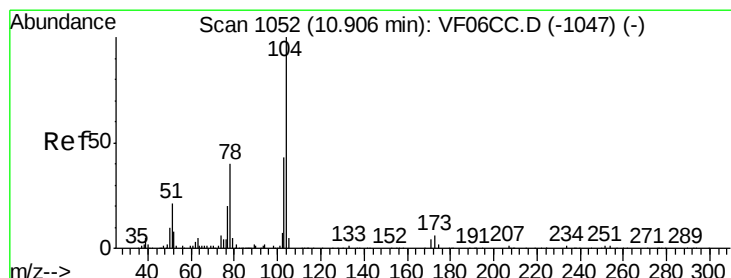
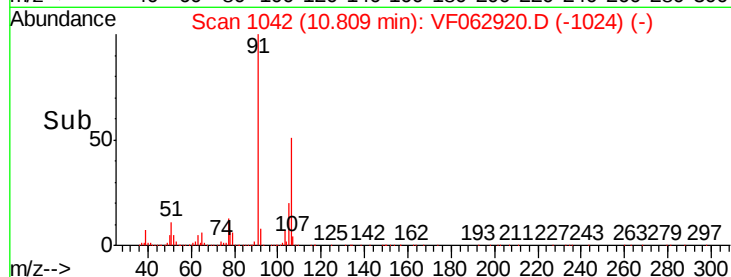
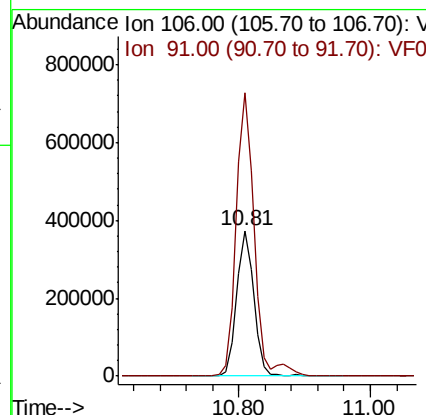
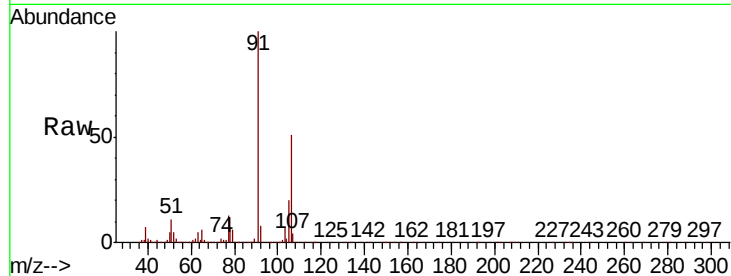




#69
o-Xylene
Concen: 49.355 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

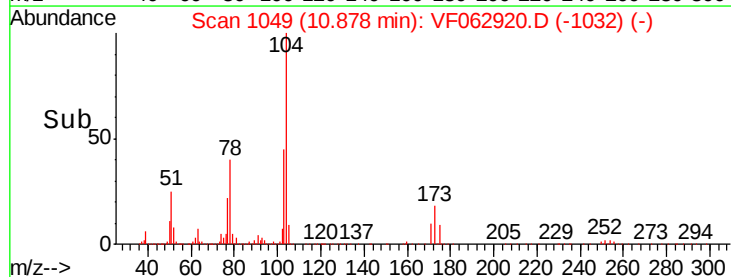
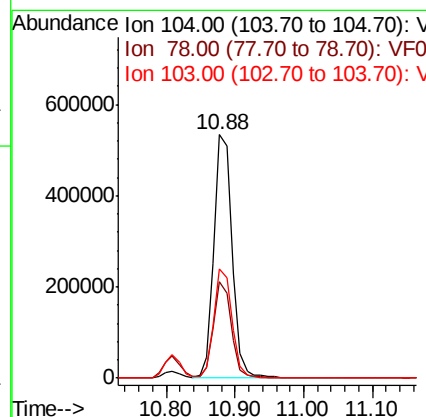
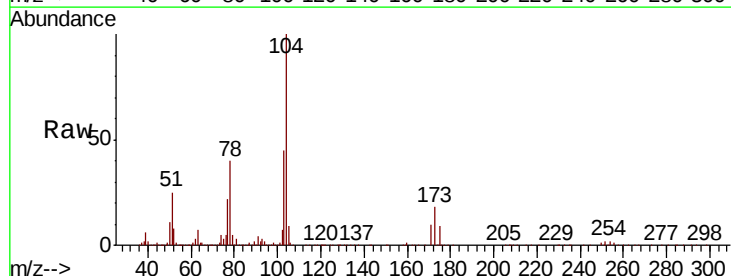
Instrument :
MSVOA_F
ClientSampled :

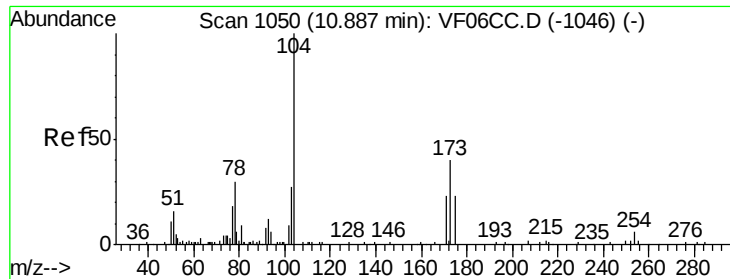
Tot Ion:106 Resp: 688612
Ion Ratio Lower Upper
106 100
91 194.4 96.6 289.8



#70
Styrene
Concen: 47.860 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion:104 Resp: 984237
Ion Ratio Lower Upper
104 100
78 39.6 30.8 46.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 54.624 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

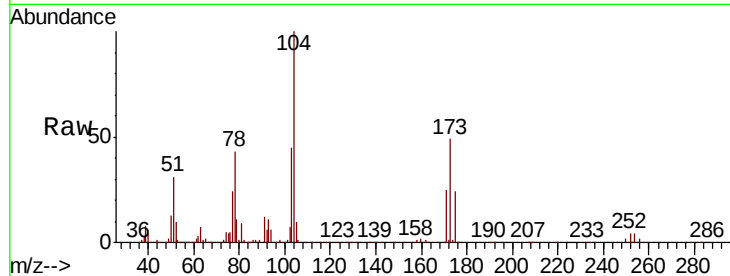
Tot Ion:173 Resp: 219005

Ion Ratio Lower Upper

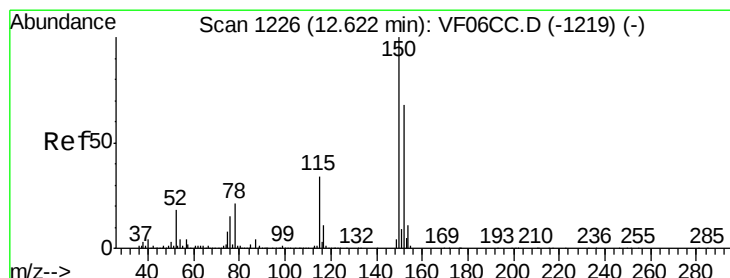
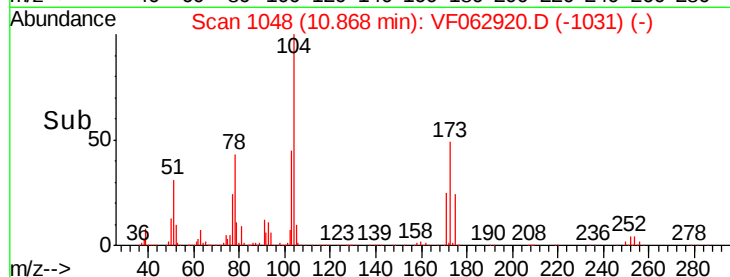
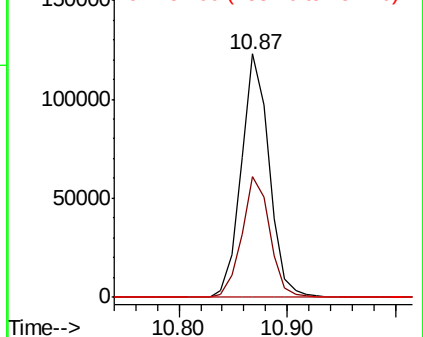
173 100

175 49.4 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: VF062920.D

Acq: 12 Jun 2019 10:59

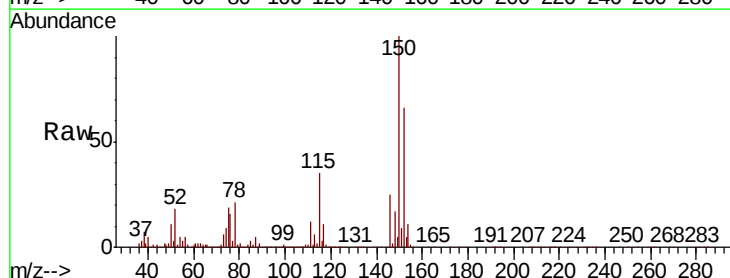
Tgt Ion:152 Resp: 523382

Ion Ratio Lower Upper

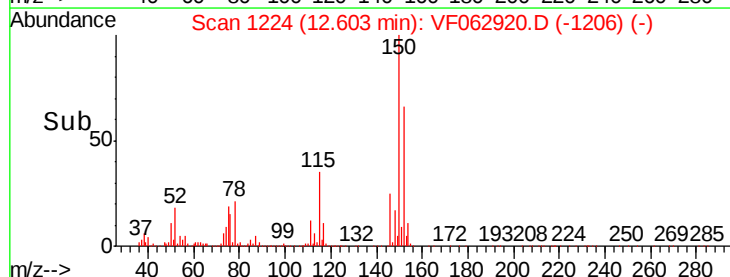
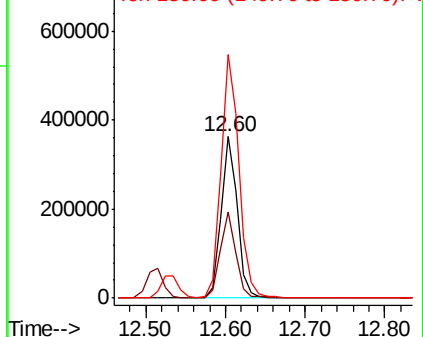
152 100

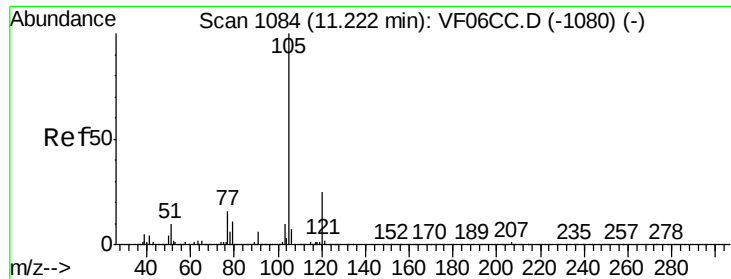
115 53.3 24.6 74.0

150 151.1 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: 47.938 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

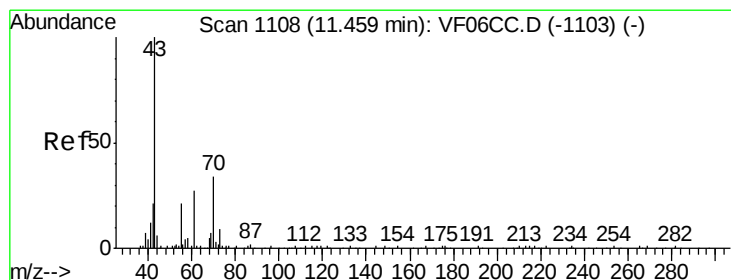
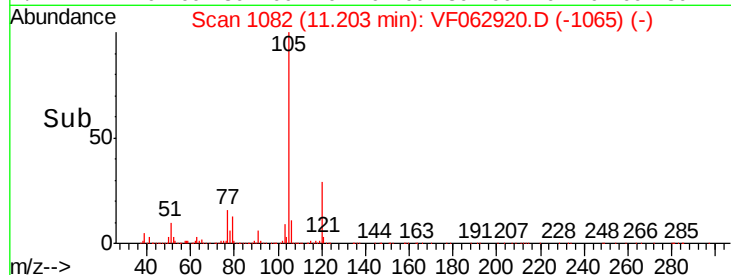
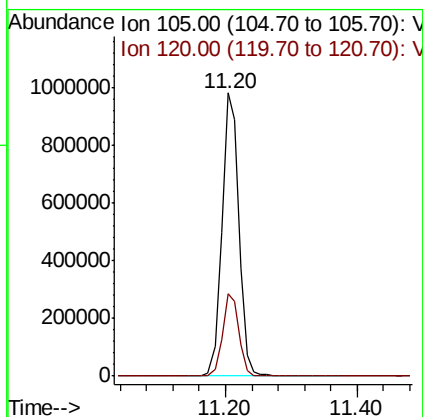
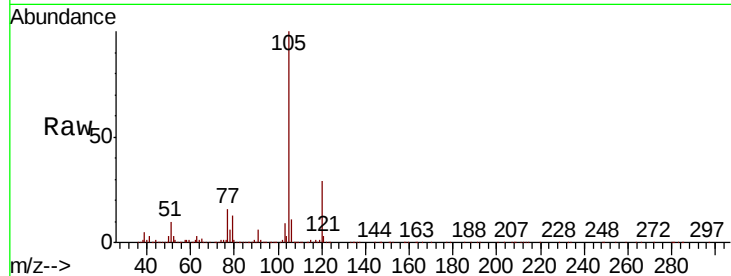
ClientSampled :

Tot Ion:105 Resp: 1750666

Ion Ratio Lower Upper

105 100

120 29.1 15.1 45.3



#74

N-ethyl acetate

Concen: 48.926 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Tgt Ion: 43 Resp: 503586

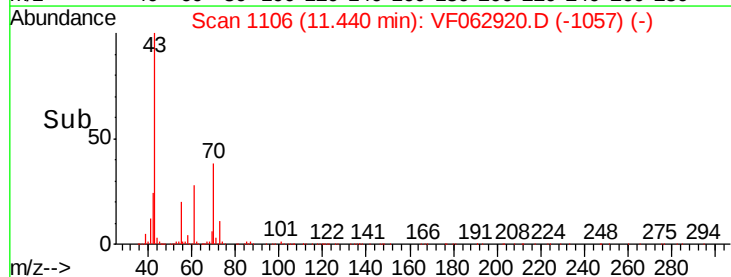
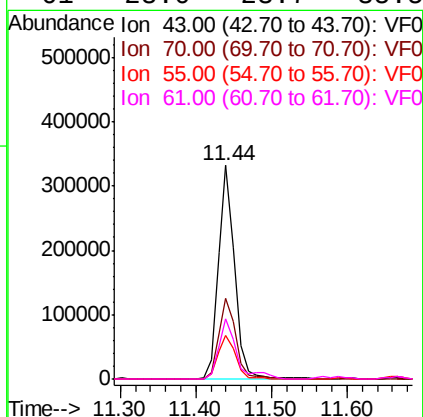
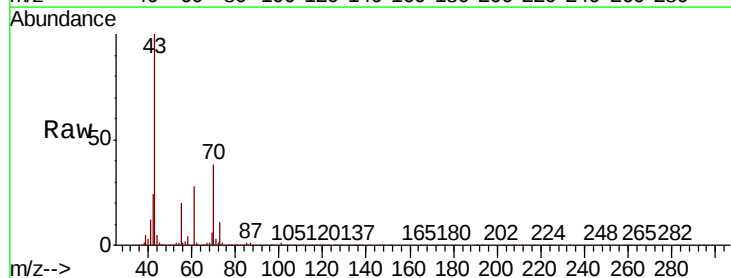
Ion Ratio Lower Upper

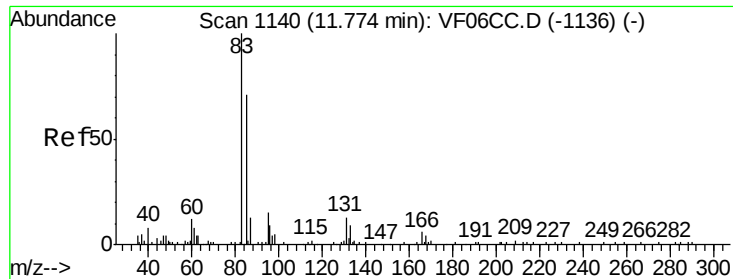
43 100

70 37.9 32.9 49.3

55 20.5 17.3 25.9

61 28.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.445 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

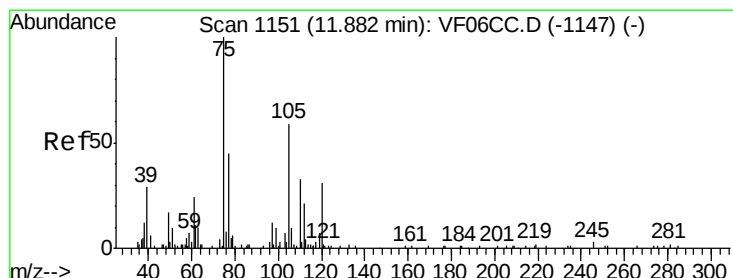
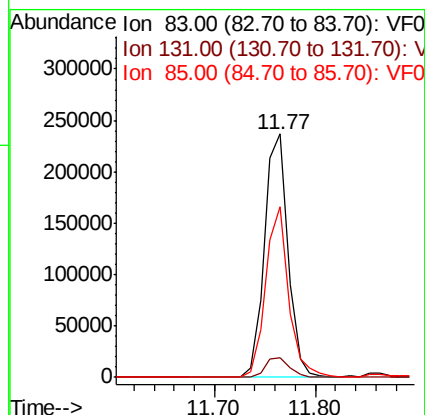
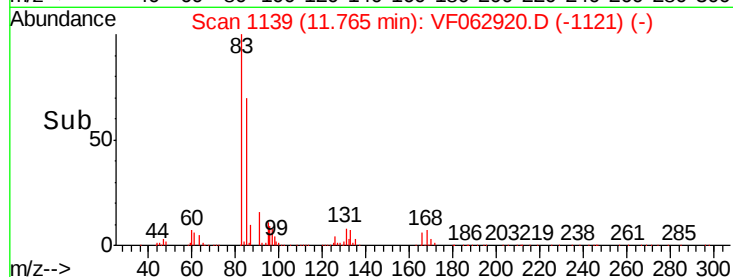
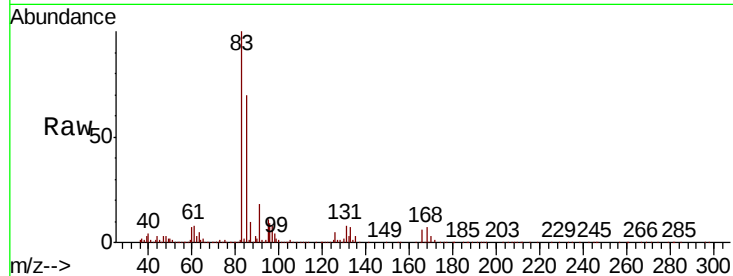
Tot Ion: 83 Resp: 385610

Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.9	14.7
85	70.2	32.1	96.5

83 100

131 8.3 4.9 14.7

85 70.2 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 47.025 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062920.D

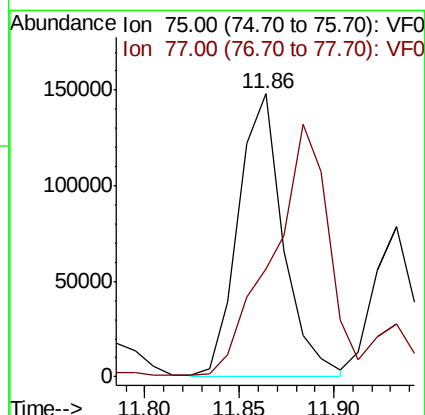
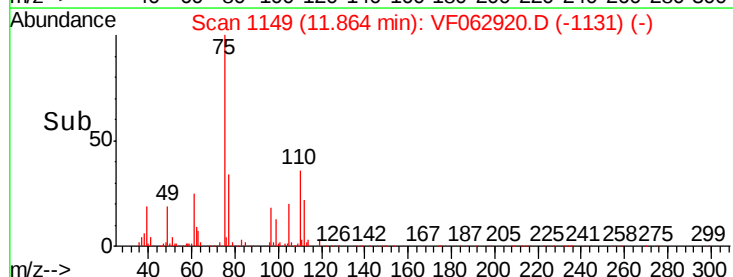
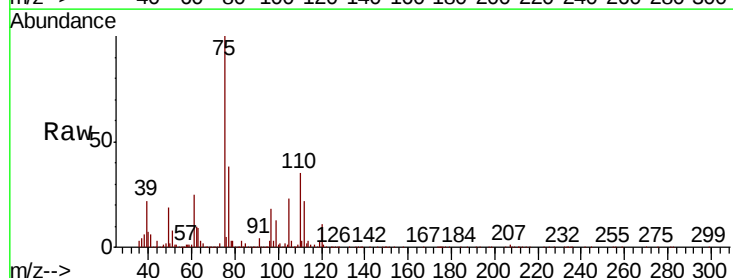
Acq: 12 Jun 2019 10:59

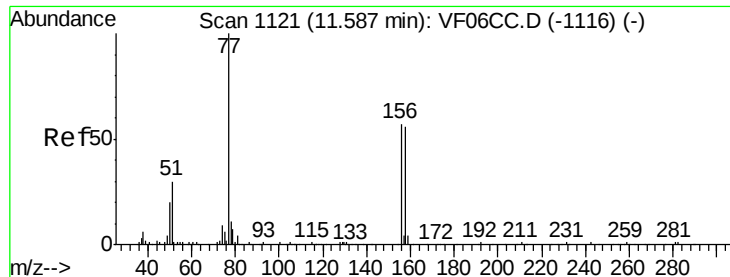
Tgt Ion: 75 Resp: 243097

Ion	Ratio	Lower	Upper
75	100		
77	38.0	20.1	60.2

75 100

77 38.0 20.1 60.2





#77

Bromobenzene

Concen: 48.068 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.03 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampled :

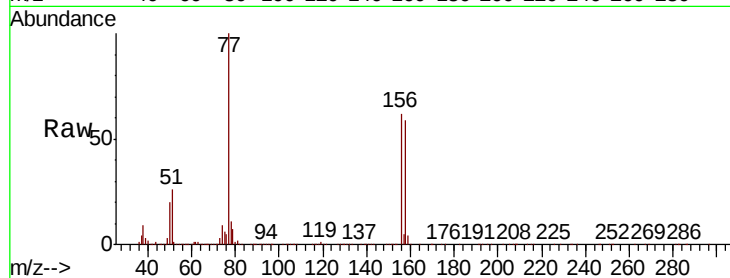
Tot Ion:156 Resp: 441063

Ion Ratio Lower Upper

156 100

77 160.2 64.2 192.6

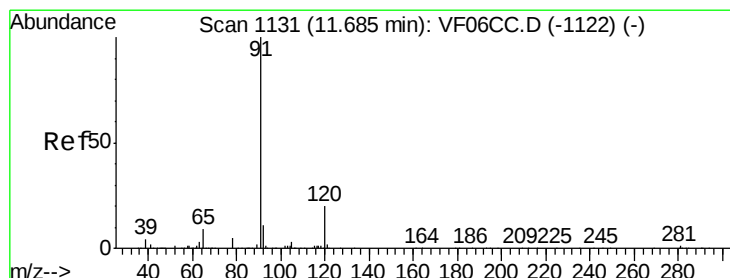
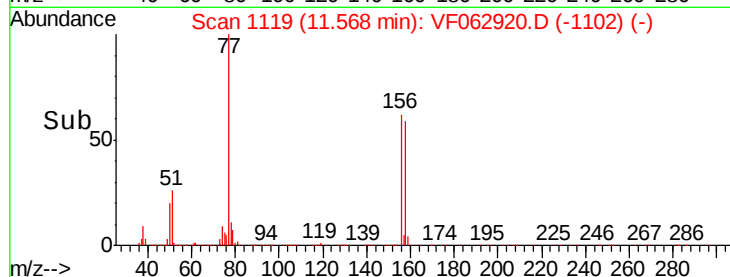
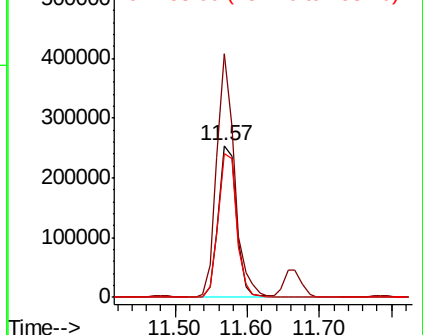
158 94.6 50.3 151.0



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: 46.050 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062920.D

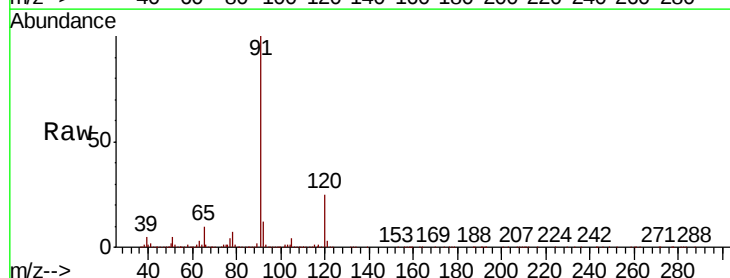
Acq: 12 Jun 2019 10:59

Tgt Ion: 91 Resp: 2030583

Ion Ratio Lower Upper

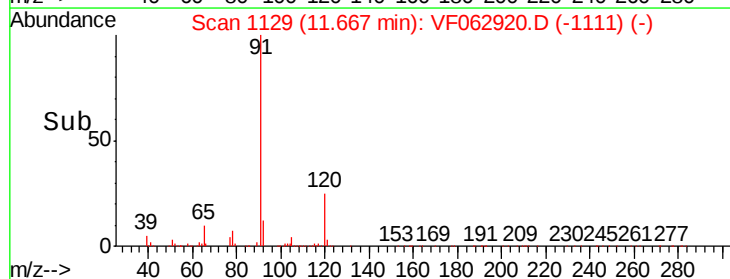
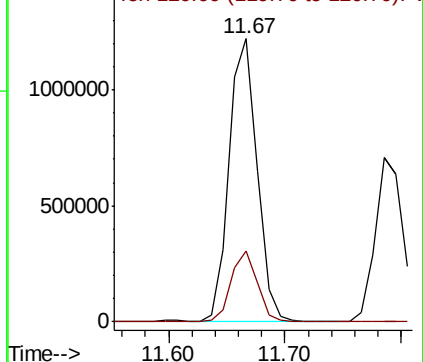
91 100

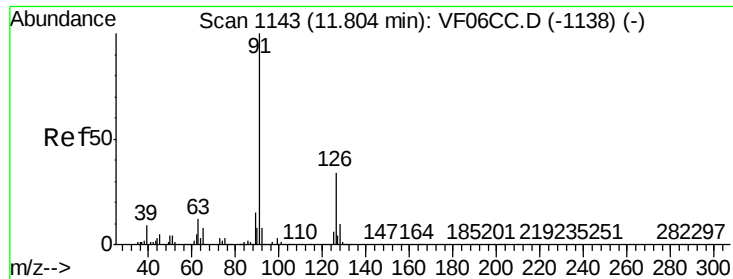
120 24.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

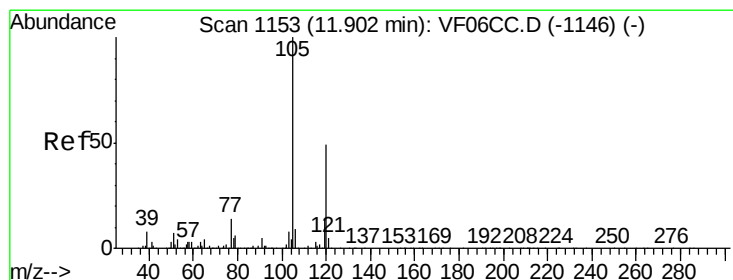
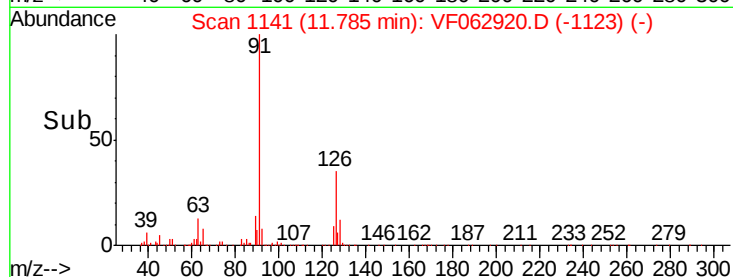
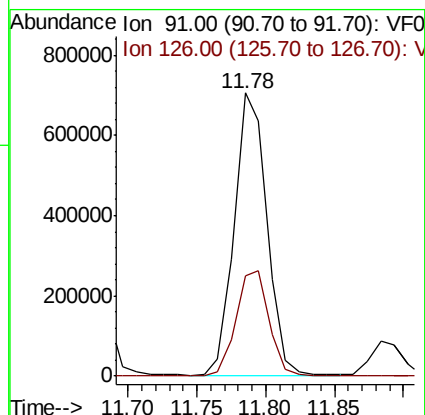
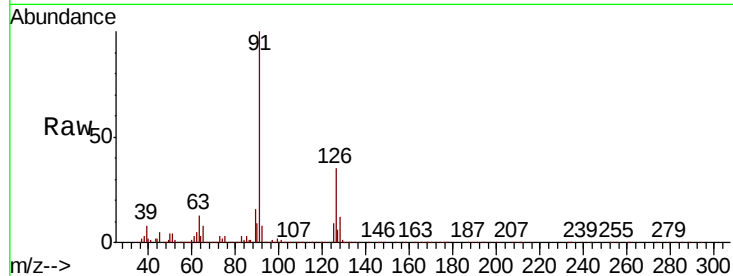




#79
 2-Chlorotoluene
 Concen: 46.021 ug/l
 RT: 11.78 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

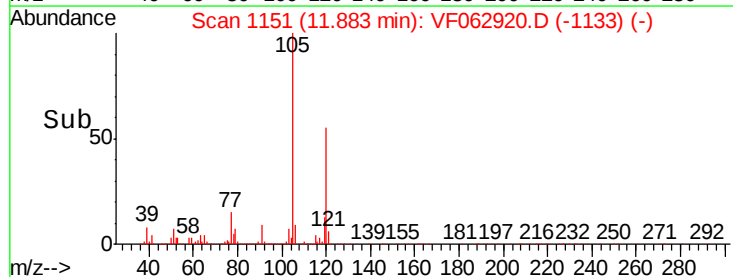
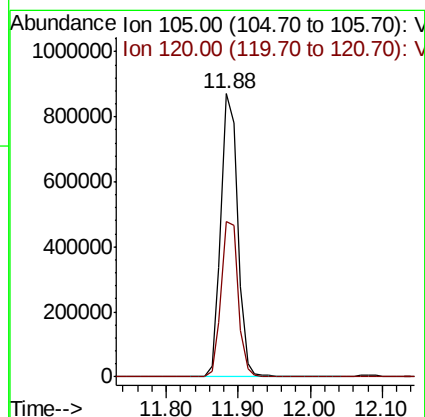
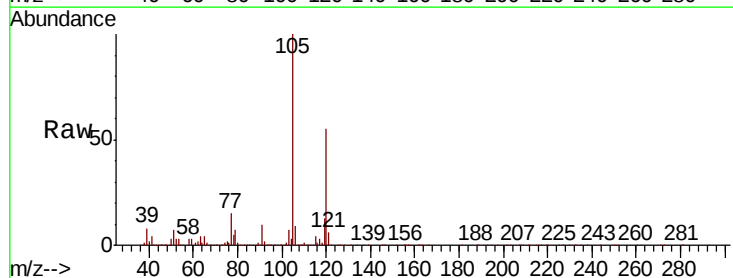
Instrument :
 MSVOA_F
 ClientSampleId :

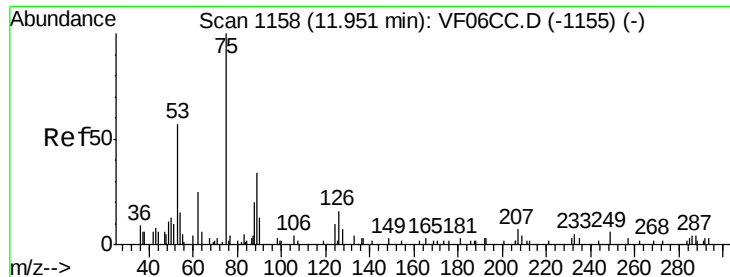
Tot Ion: 91 Resp: 1161144
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 46.794 ug/l
 RT: 11.88 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 105 Resp: 1397519
 Ion Ratio Lower Upper
 105 100
 120 55.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 69.267 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

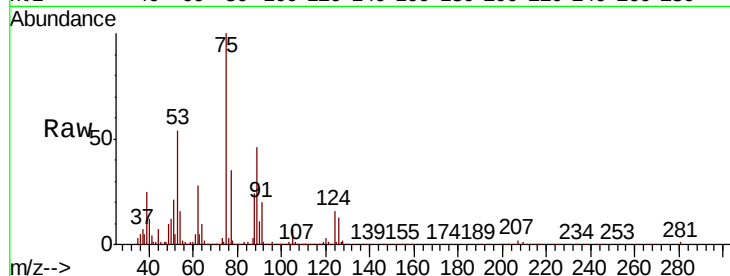
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 151597

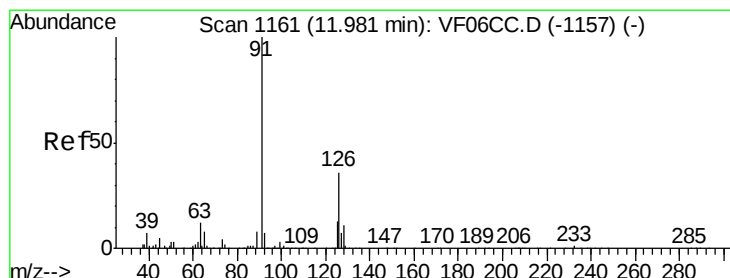
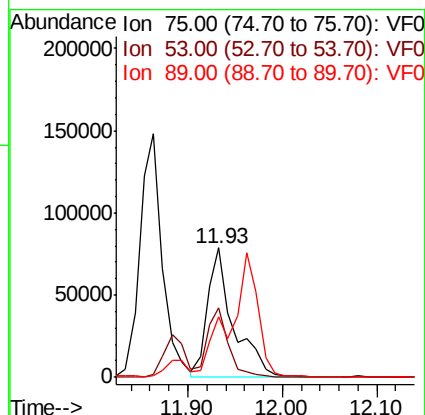
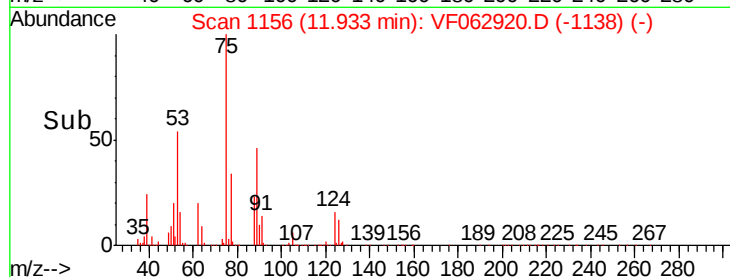
Ion	Ratio	Lower	Upper
75	100		
53	54.3	43.5	65.3
89	46.5	34.3	51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.083 ug/l

RT: 11.96 min Scan# 1159

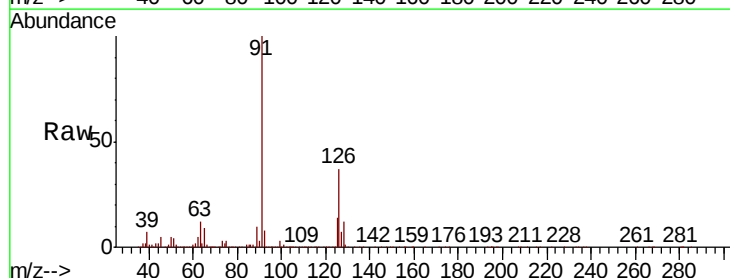
Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

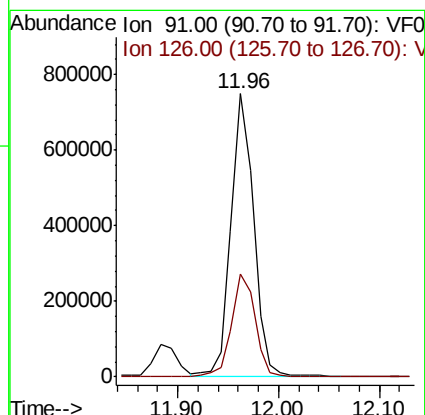
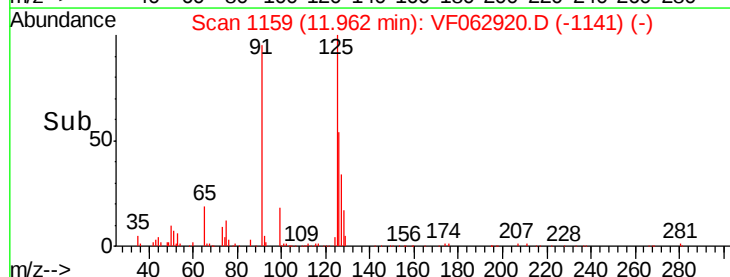
Tgt Ion: 91 Resp: 1167436

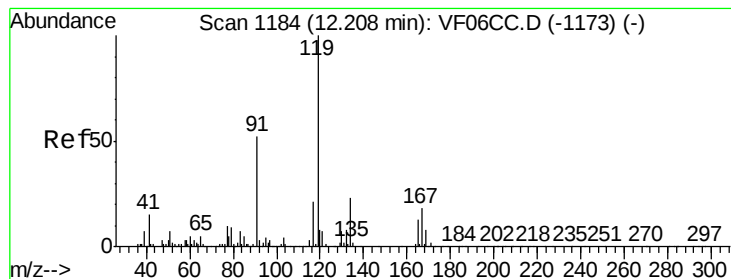
Ion	Ratio	Lower	Upper
91	100		
126	36.5	19.1	57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 48.902 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

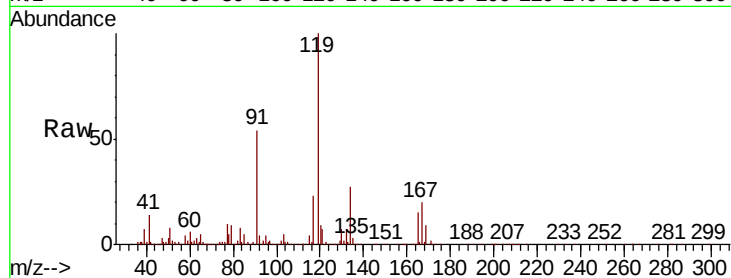
Tot Ion:119 Resp: 1447148

Ion Ratio Lower Upper

119 100

91 53.6 28.9 86.7

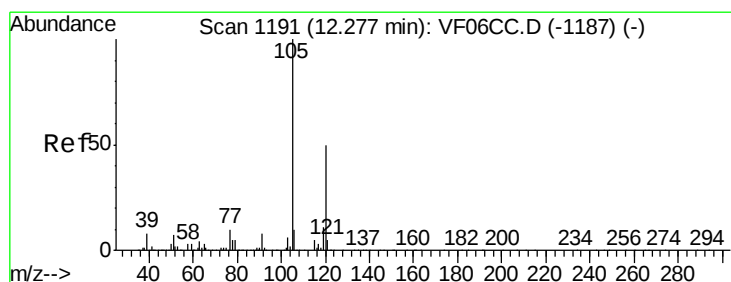
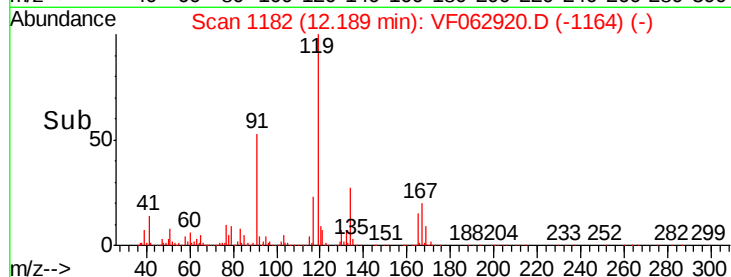
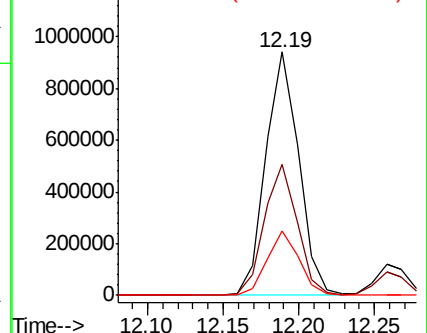
134 26.7 14.3 42.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.006 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062920.D

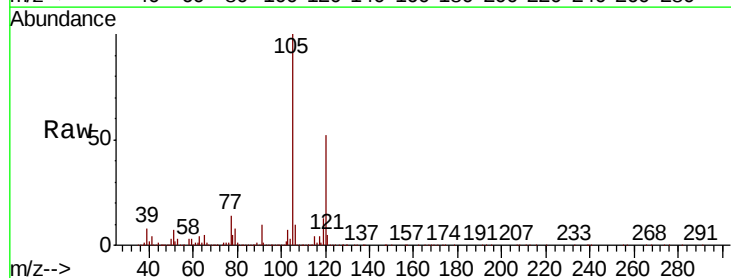
Acq: 12 Jun 2019 10:59

Tgt Ion:105 Resp: 1331029

Ion Ratio Lower Upper

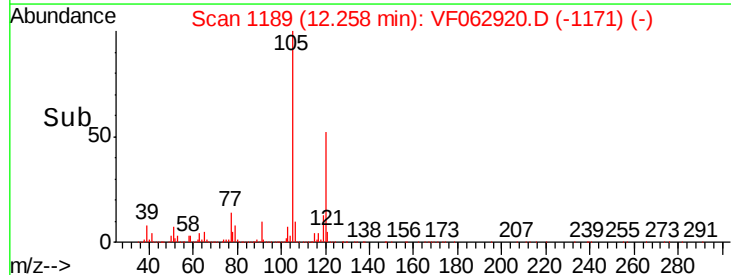
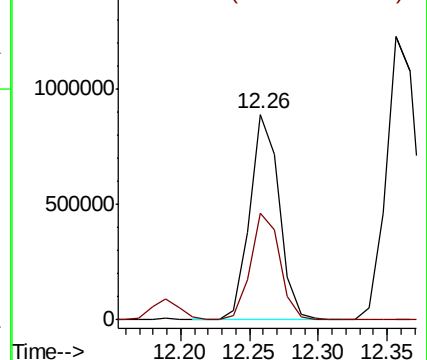
105 100

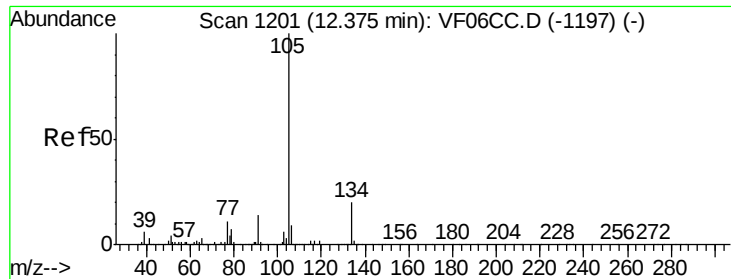
120 51.8 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.128 ug/l

RT: 12.36 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

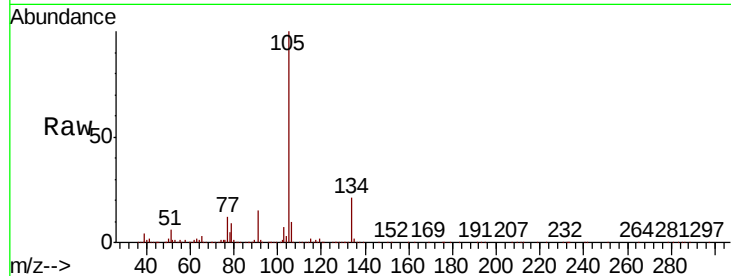
ClientSampleId :

Tot Ion:105 Resp: 1915708

Ion Ratio Lower Upper

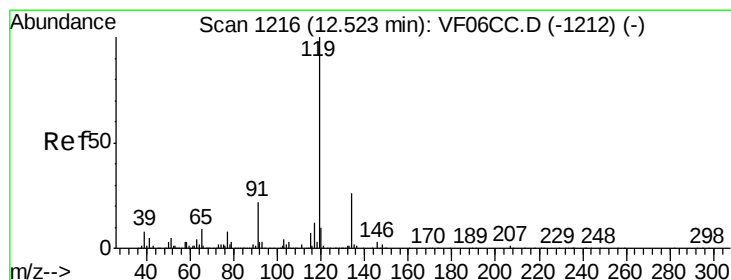
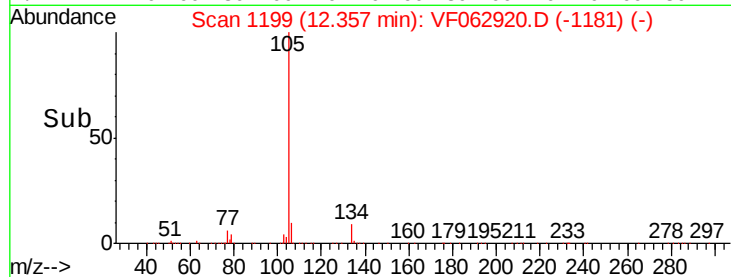
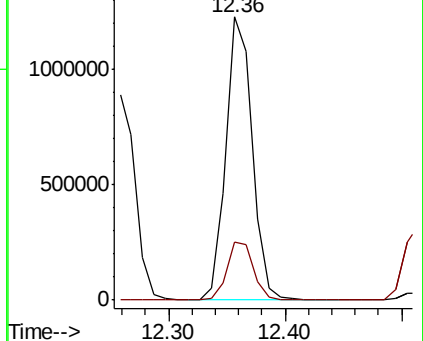
105 100

134 20.5 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: 49.396 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

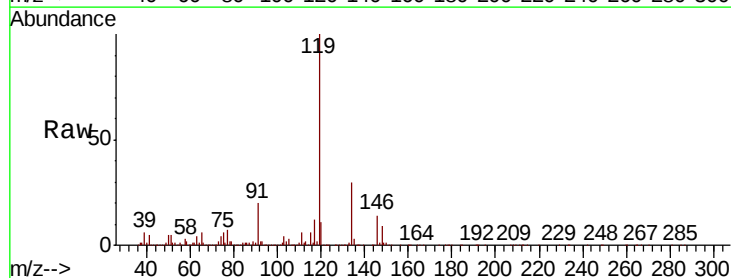
Tgt Ion:119 Resp: 1603238

Ion Ratio Lower Upper

119 100

134 30.3 15.5 46.5

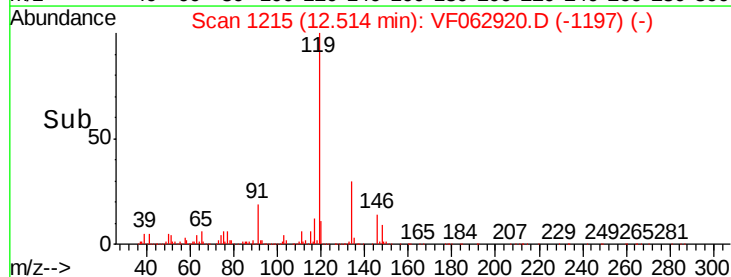
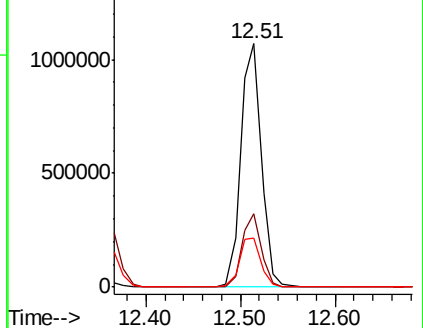
91 20.3 10.3 30.9

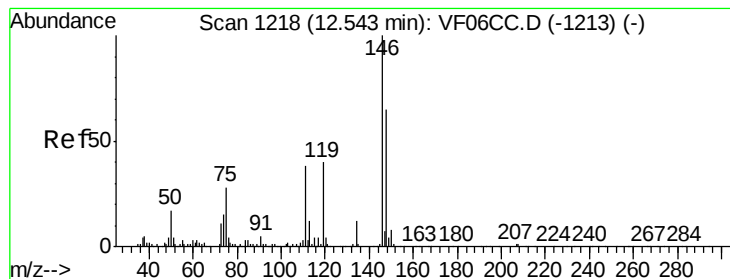


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.695 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

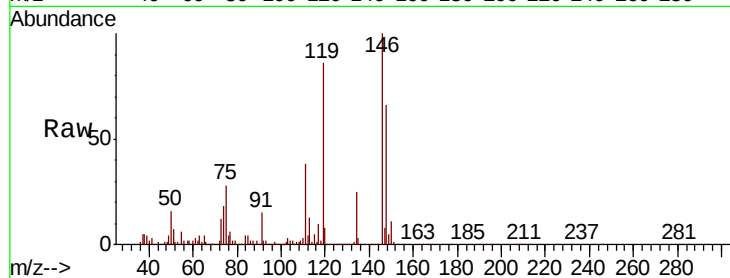
Tot Ion:146 Resp: 788012

Ion Ratio Lower Upper

146 100

111 38.2 19.6 58.8

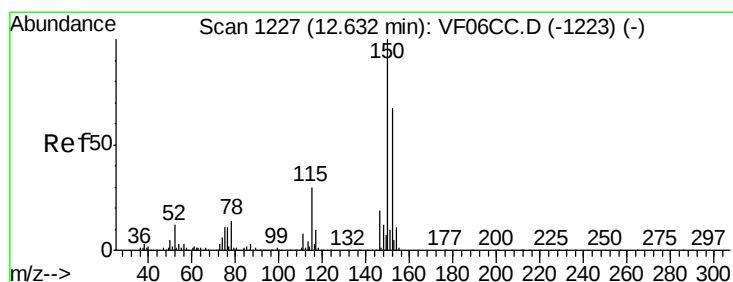
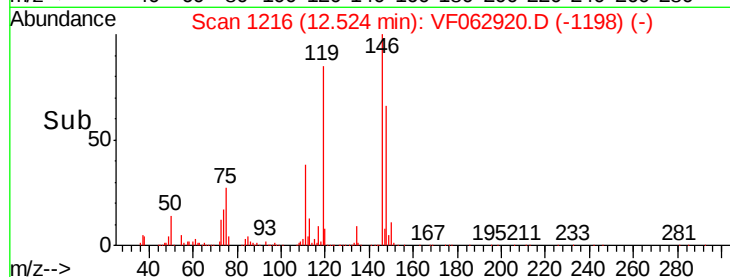
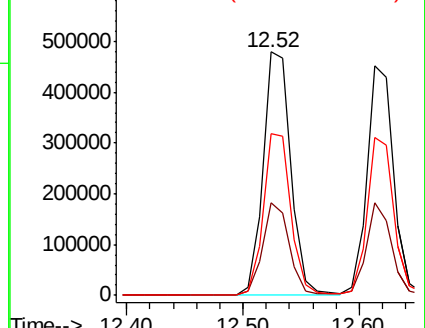
148 66.3 34.2 102.5



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



#88

1,4-Dichlorobenzene

Concen: 47.328 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

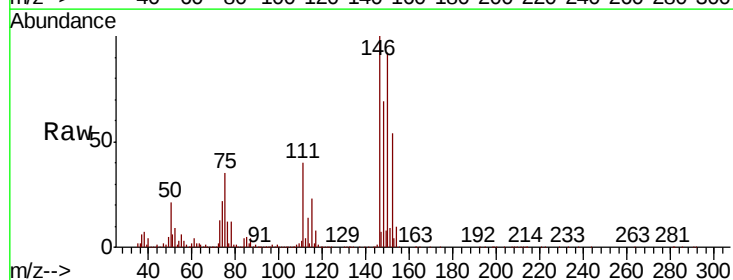
Tgt Ion:146 Resp: 714765

Ion Ratio Lower Upper

146 100

111 40.2 20.3 60.9

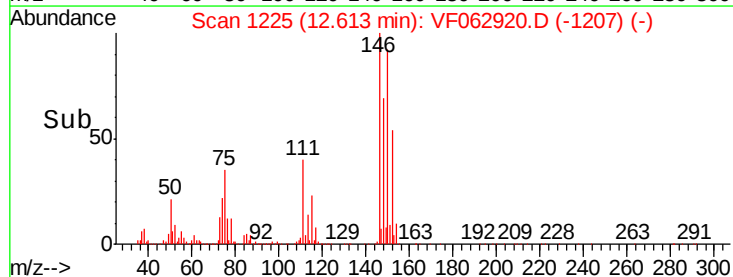
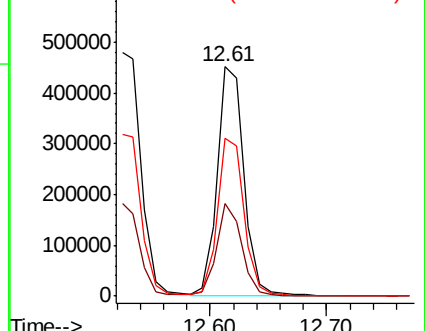
148 68.5 34.0 101.8

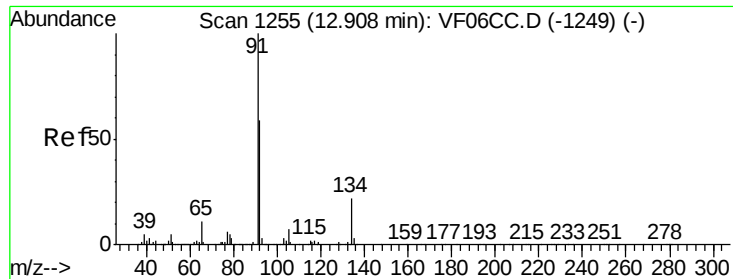


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

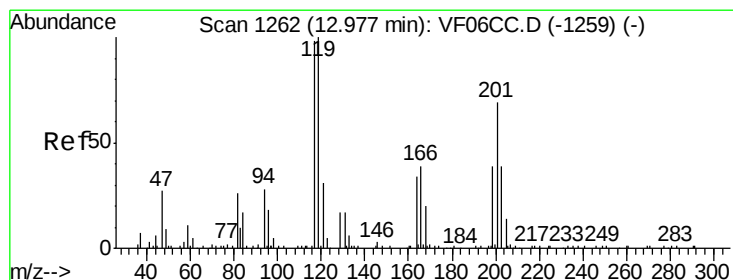
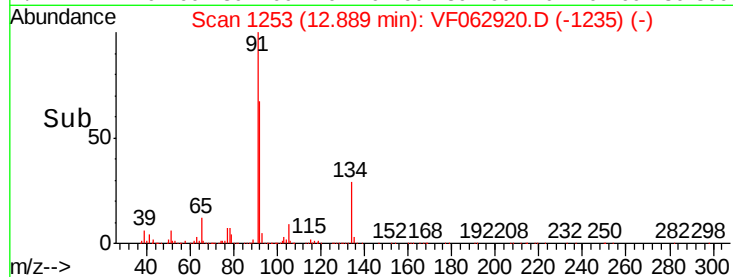
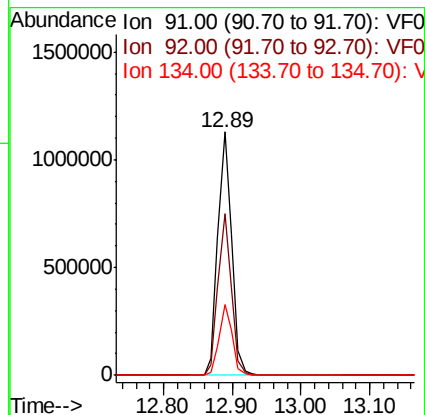
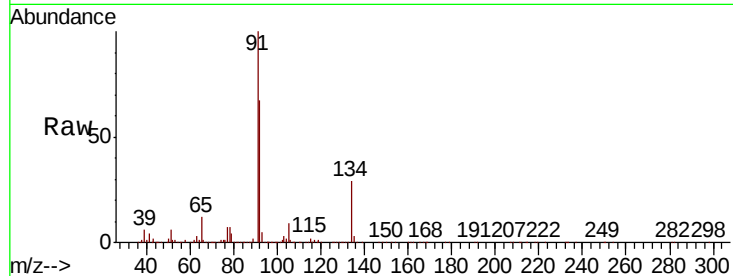




#89
n-Butylbenzene
Concen: 48.302 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

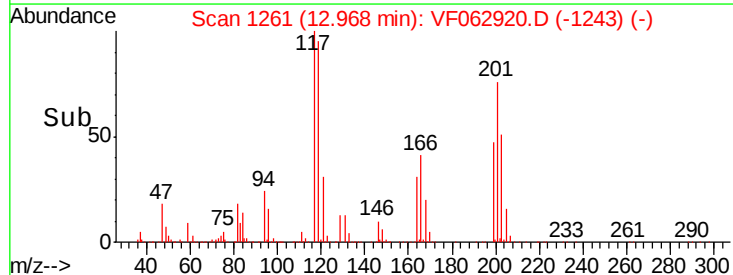
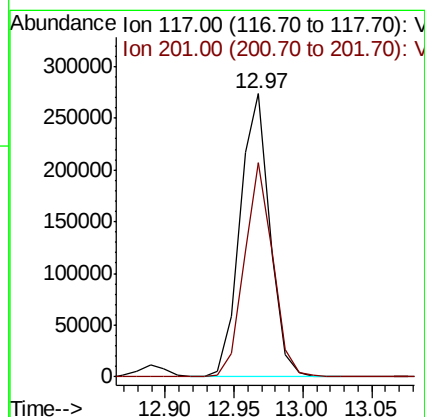
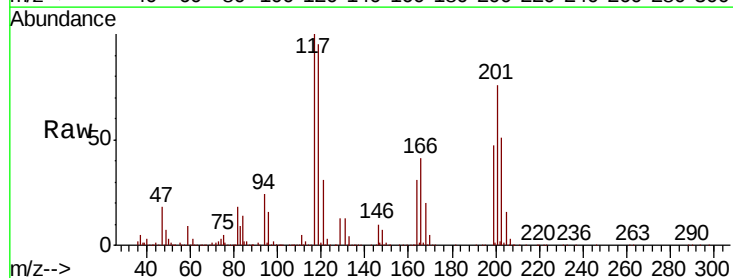
Instrument :
MSVOA_F
ClientSampleId :

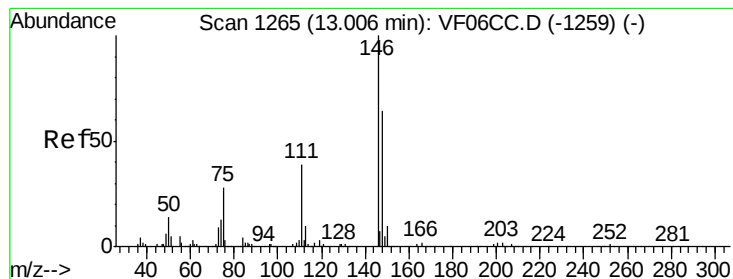
Tot Ion: 91 Resp: 1577040
Ion Ratio Lower Upper
91 100
92 66.5 34.2 102.6
134 29.3 15.8 47.3



#90
Hexachloroethane
Concen: 52.000 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062920.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 117 Resp: 411642
Ion Ratio Lower Upper
117 100
201 75.6 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 49.764 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062920.D

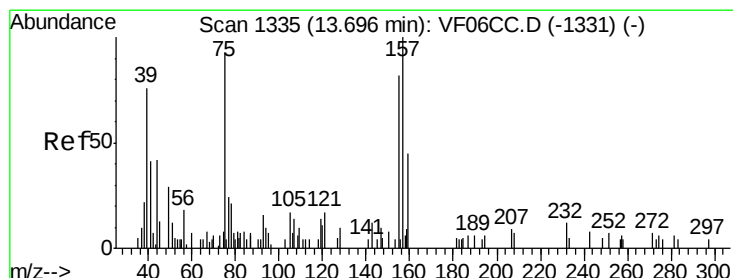
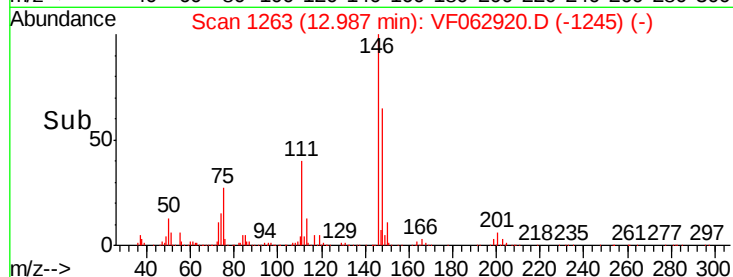
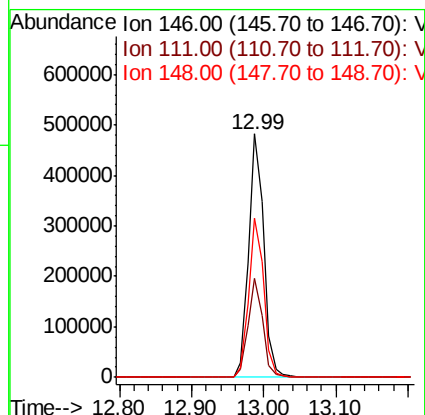
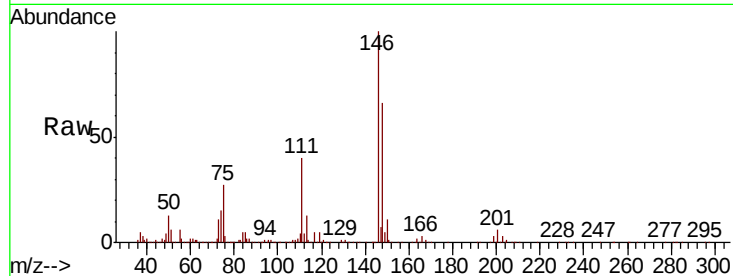
Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:146	Resp:	707821
Ion	Ratio	Lower Upper
146	100	
111	40.5	20.4 61.3
148	65.5	34.1 102.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.063 ug/l

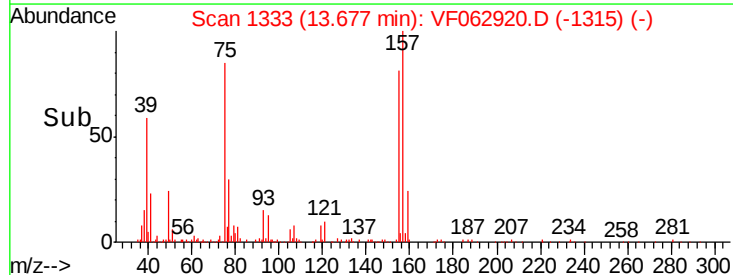
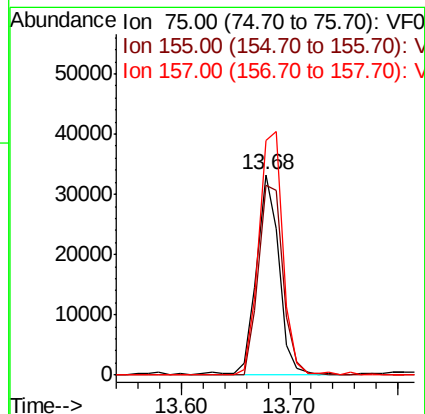
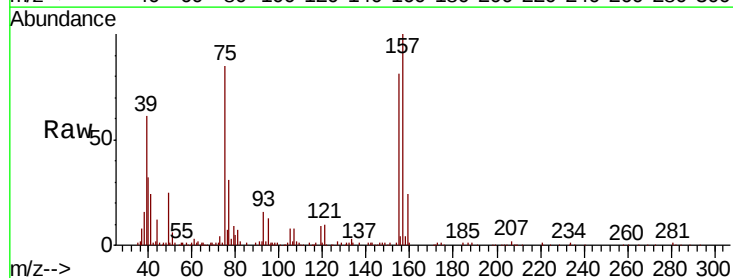
RT: 13.68 min Scan# 1333

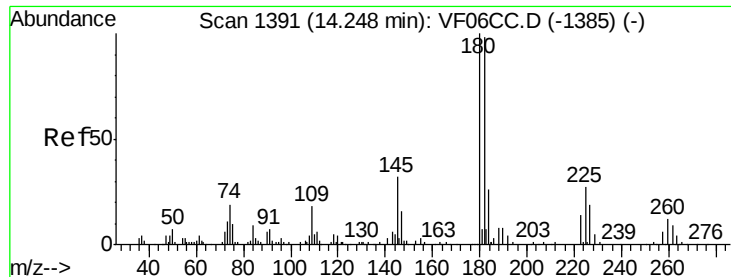
Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Tgt Ion: 75	Resp:	48484
Ion	Ratio	Lower Upper
75	100	
155	94.5	51.7 155.1
157	117.1	66.8 200.6

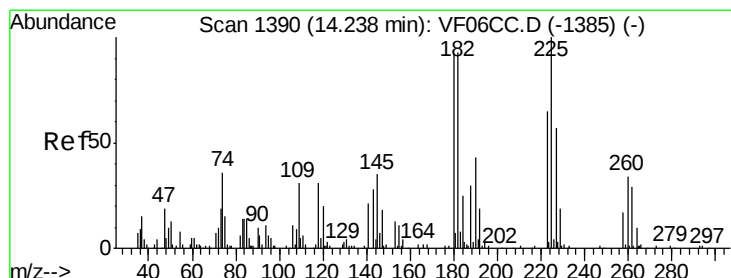
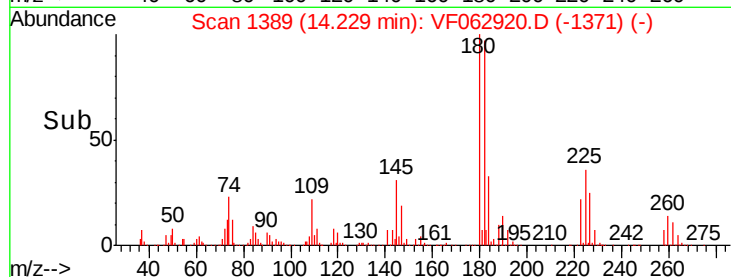
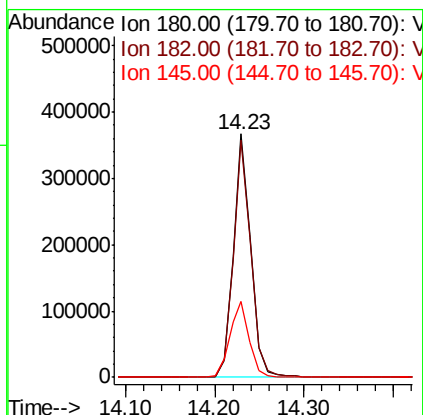
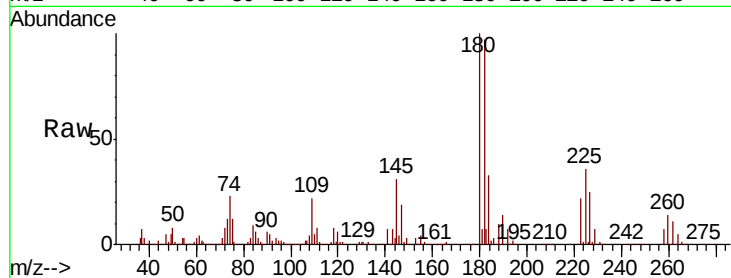




#93
 1,2,4-Trichlorobenzene
 Concen: 51.981 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

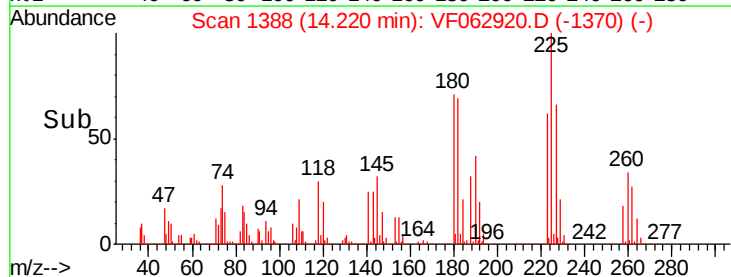
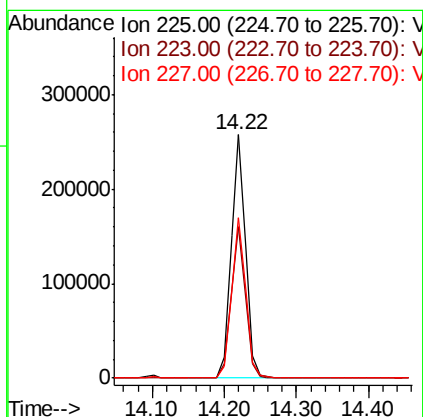
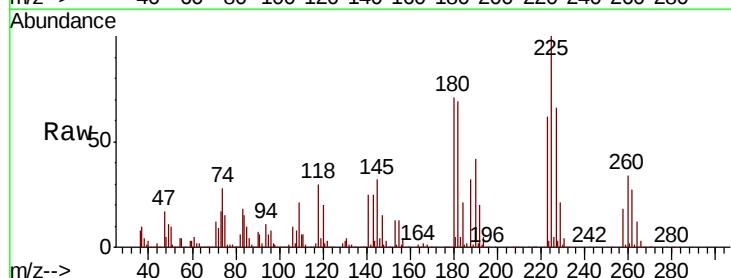
Instrument :
 MSVOA_F
 ClientSampled :

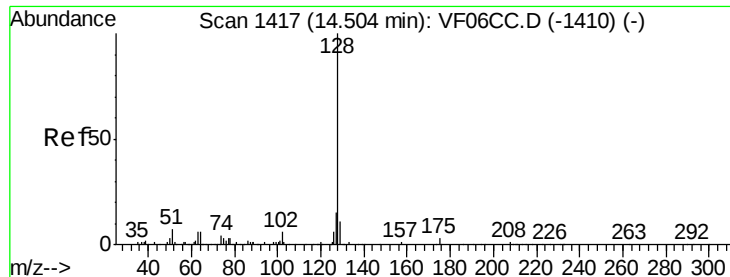
Tot Ion:180 Resp: 507655
 Ion Ratio Lower Upper
 180 100
 182 97.2 50.3 150.9
 145 31.1 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 52.409 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062920.D
 Acq: 12 Jun 2019 10:59

Tgt Ion:225 Resp: 354087
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.8 92.4
 227 65.8 31.9 95.5





#95

Naphthalene

Concen: 56.025 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

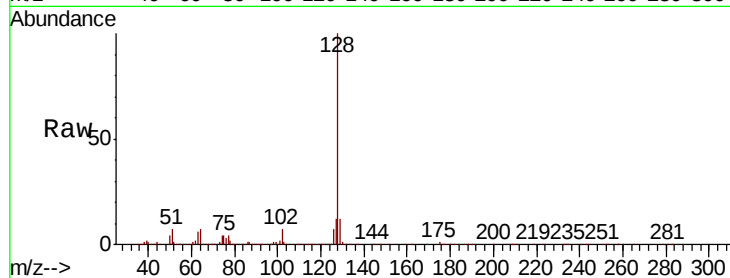
Tot Ion:128 Resp: 896394

Ion Ratio Lower Upper

128 100

127 12.1 9.7 14.5

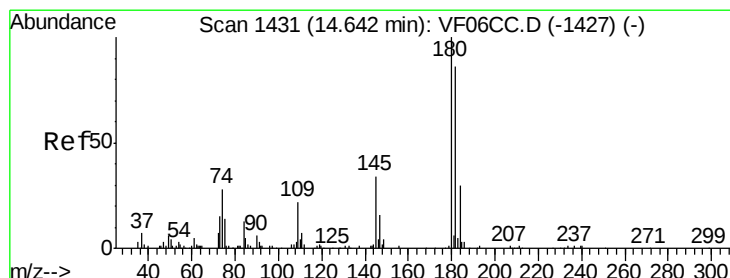
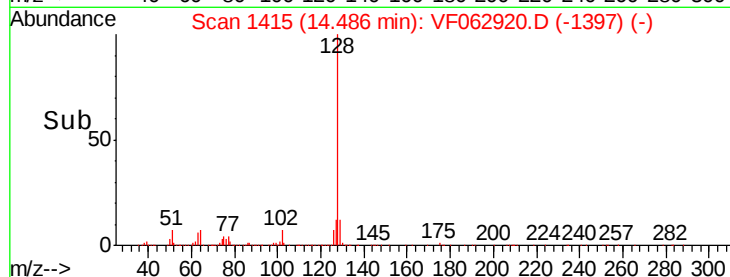
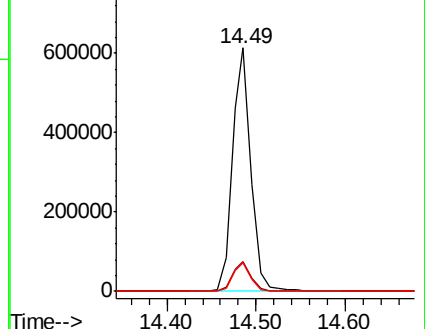
129 11.9 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.039 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062920.D

Acq: 12 Jun 2019 10:59

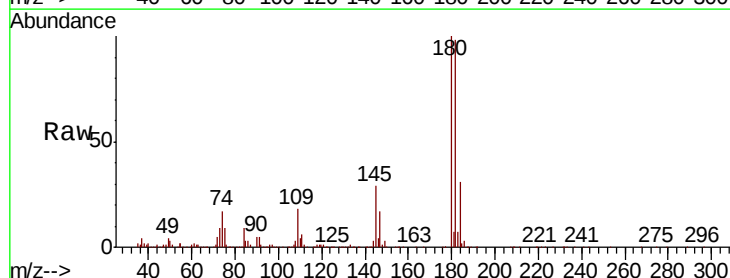
Tgt Ion:180 Resp: 463913

Ion Ratio Lower Upper

180 100

182 98.3 48.6 145.9

145 28.8 15.7 47.0



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

