

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062836.D
 Acq On : 4 Jun 2019 13:16
 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 05 05:18:38 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	961617	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1529479	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1265664	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	598559	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	334346	50.28	ug/l	-0.02
Spiked Amount 50.000			Recovery =	100.56%		
35) Dibromofluoromethane	4.30	113	590429	51.09	ug/l	-0.03
Spiked Amount 50.000			Recovery =	102.18%		
50) Toluene-d8	7.70	98	1590333	54.41	ug/l	-0.03
Spiked Amount 50.000			Recovery =	108.82%		
62) 4-Bromofluorobenzene	11.49	95	562972	53.55	ug/l	-0.02
Spiked Amount 50.000			Recovery =	107.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	488406	44.406	ug/l	98
3) Chloromethane	1.15	50	398356	40.036	ug/l	96
4) Vinyl Chloride	1.19	62	410121	41.478	ug/l	94
5) Bromomethane	1.41	94	266757	47.307	ug/l	99
6) Chloroethane	1.44	64	172389	46.631	ug/l #	86
7) Trichlorofluoromethane	1.56	101	654614	46.766	ug/l	94
8) Diethyl Ether	1.71	74	125523	45.580	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.92	101	399242	45.367	ug/l	99
10) Methyl Iodide	1.99	142	808402	45.814	ug/l	99
11) Tert butyl alcohol	2.70	59	98106	243.543	ug/l	98
12) 1,1-Dichloroethene	1.87	96	360602	45.126	ug/l	96
13) Acrolein	2.10	56	39186	243.282	ug/l #	81
14) Allyl chloride	2.19	41	281499	45.407	ug/l	94
15) Acrylonitrile	3.09	53	269222	177.861	ug/l #	89
16) Acetone	2.34	43	345776	227.192	ug/l	98
17) Carbon Disulfide	1.92	76	1012430	43.348	ug/l	95
18) Methyl Acetate	2.46	43	111339	41.863	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	677289	46.782	ug/l	98
20) Methylene Chloride	2.35	84	247787	31.401	ug/l #	85
21) trans-1,2-Dichloroethene	2.42	96	366566	45.751	ug/l	98
22) Diisopropyl ether	2.93	45	799113	45.370	ug/l	94
23) Vinyl Acetate	3.35	43	2905474	240.956	ug/l	97
24) 1,1-Dichloroethane	3.01	63	602673	45.828	ug/l	97
25) 2-Butanone	4.52	43	819977	231.352	ug/l	97
26) 2,2-Dichloropropane	3.78	77	369766	49.520	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	628564	46.670	ug/l	99
28) Bromochloromethane	3.90	49	378930	52.973	ug/l	96
29) Tetrahydrofuran	4.26	42	325924	240.430	ug/l	98
30) Chloroform	4.05	83	893965	48.233	ug/l	99
31) Cyclohexane	3.88	56	807740	45.368	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	585955	54.300	ug/l	99
36) 1,1-Dichloropropene	4.47	75	703534	49.966	ug/l	98
37) Ethyl Acetate	4.30	43	278733	51.786	ug/l	88
38) Carbon Tetrachloride	4.18	117	518947	54.534	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062836.D
 Acq On : 4 Jun 2019 13:16
 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 05 05:18:38 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	897538	51.217	ug/l	99
40) Benzene	4.82	78	2035426	49.670	ug/l	97
41) Methacrylonitrile	4.92	41	148428	49.605	ug/l	97
42) 1,2-Dichloroethane	5.12	62	408754	52.446	ug/l	96
43) Isopropyl Acetate	7.11	43	379424	53.364	ug/l	99
44) Trichloroethene	5.68	130	589157	50.943	ug/l	99
45) 1,2-Dichloropropane	6.40	63	540474	52.558	ug/l	95
46) Dibromomethane	6.26	93	311682	51.913	ug/l	93
47) Bromodichloromethane	6.55	83	634086	51.858	ug/l	97
48) Methyl methacrylate	6.88	41	195796	53.433	ug/l	96
49) 1,4-Dioxane	6.87	88	47574	984.968	ug/l	88
51) 4-Methyl-2-Pentanone	8.39	43	1341466	264.264	ug/l	100
52) Toluene	7.77	92	1180112	53.467	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	561613	55.429	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	787852	53.718	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	354647	53.784	ug/l	98
56) Ethyl methacrylate	8.75	69	388382	54.895	ug/l	96
57) 1,3-Dichloropropane	9.00	76	593500	55.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	636159	257.279	ug/l	98
59) 2-Hexanone	9.62	43	994188	274.776	ug/l	98
60) Dibromochloromethane	8.86	129	453298	55.527	ug/l	97
61) 1,2-Dibromoethane	9.12	107	372528	54.399	ug/l	96
64) Tetrachloroethene	8.31	164	473135	48.647	ug/l	94
65) Chlorobenzene	9.93	112	1211269	49.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	471052	48.391	ug/l	96
67) Ethyl Benzene	10.03	91	2007969	47.873	ug/l	100
68) m/p-Xylenes	10.26	106	1538544	95.858	ug/l	97
69) o-Xylene	10.81	106	817993	50.337	ug/l	100
70) Styrene	10.89	104	1174743	49.046	ug/l	100
71) Bromoform	10.88	173	242888	52.014	ug/l #	98
73) Isopropylbenzene	11.21	105	2039005	48.821	ug/l	100
74) N-amyl acetate	11.44	43	555721	47.210	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	428828	48.080	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	285092	48.222	ug/l	93
77) Bromobenzene	11.58	156	522829	49.822	ug/l	94
78) n-propylbenzene	11.67	91	2375321	47.103	ug/l	98
79) 2-Chlorotoluene	11.79	91	1322006	45.816	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	1595414	46.711	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	158465	63.311	ug/l	95
82) 4-Chlorotoluene	11.97	91	1354631	47.771	ug/l	100
83) tert-Butylbenzene	12.19	119	1643159	48.552	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1548781	47.826	ug/l	98
85) sec-Butylbenzene	12.37	105	2097684	47.039	ug/l	97
86) p-Isopropyltoluene	12.51	119	1803605	48.590	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	897023	48.469	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	834128	48.295	ug/l	97
89) n-Butylbenzene	12.89	91	1771219	47.436	ug/l	97
90) Hexachloroethane	12.97	117	389556	43.030	ug/l	83
91) 1,2-Dichlorobenzene	13.00	146	774271	47.598	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	49293	50.729	ug/l	85

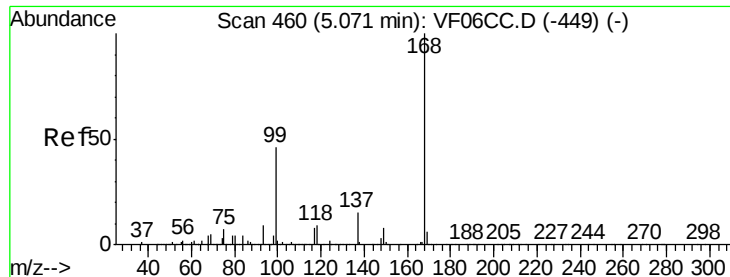
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
Data File : VF062836.D
Acq On : 4 Jun 2019 13:16
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 05 05:18:38 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	14.24	180	548808	49.137	ug/l	98
94) Hexachlorobutadiene	14.22	225	376960	48.787	ug/l	99
95) Naphthalene	14.49	128	921784	50.376	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	506940	49.723	ug/l	97

(#) = 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: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

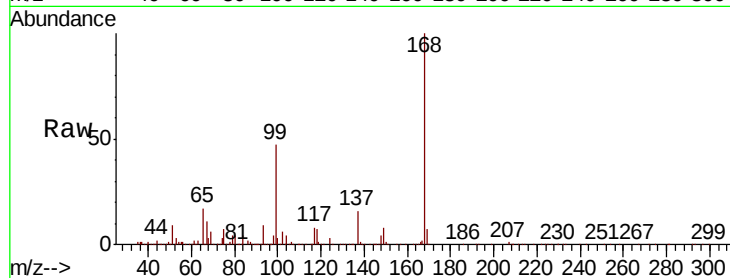
ClientSampleId :

Tot Ion:168 Resp: 961617

Ion Ratio Lower Upper

168 100

99 47.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

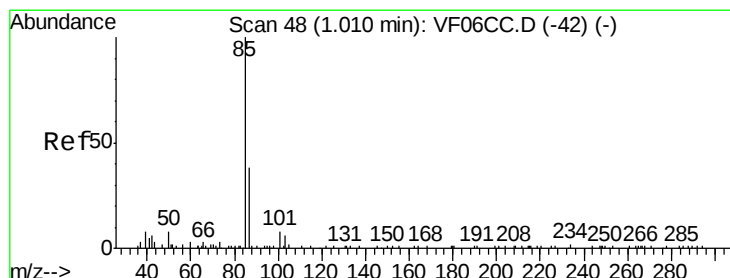
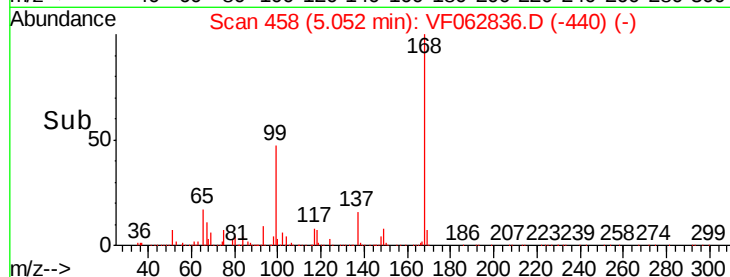
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.406 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062836.D

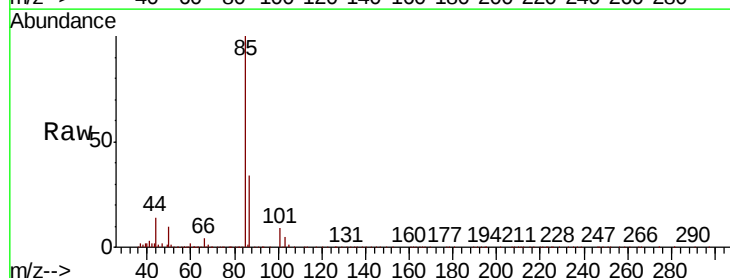
Acq: 4 Jun 2019 13:16

Tgt Ion: 85 Resp: 488406

Ion Ratio Lower Upper

85 100

87 34.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

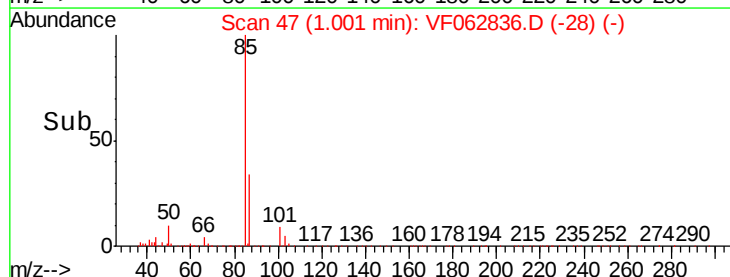
1.00

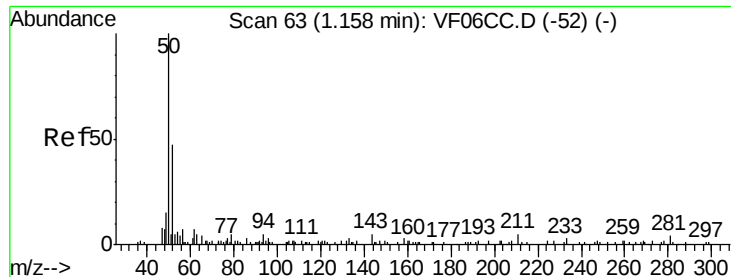
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.036 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

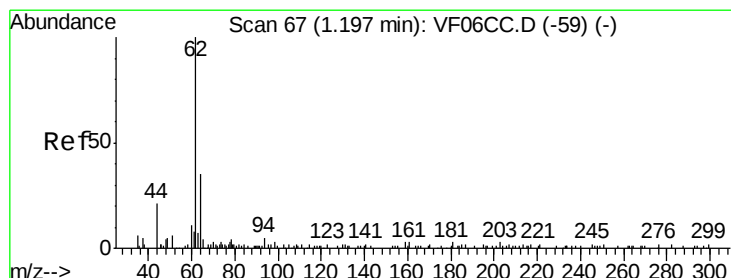
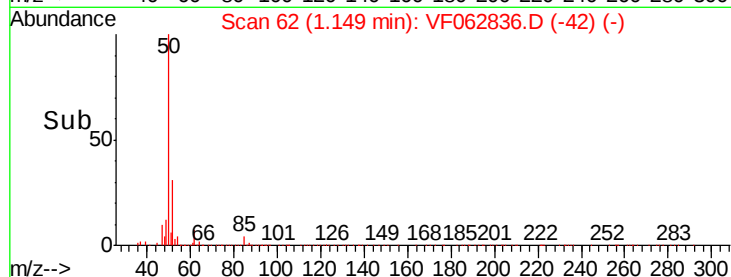
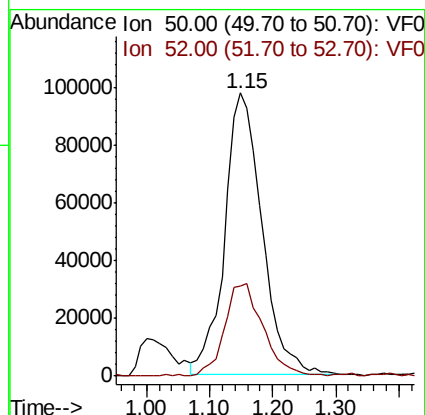
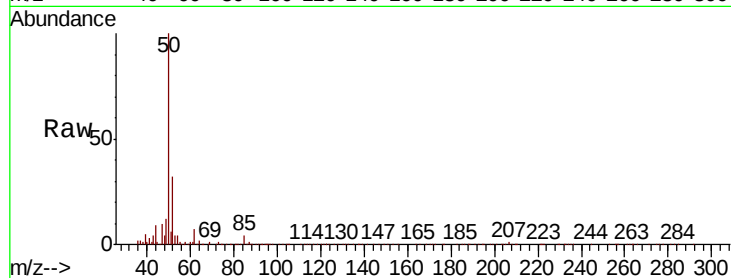
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 398356

Ion Ratio Lower Upper

50 100

52 31.6 27.0 40.4



#4

Vinyl Chloride

Concen: 41.478 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062836.D

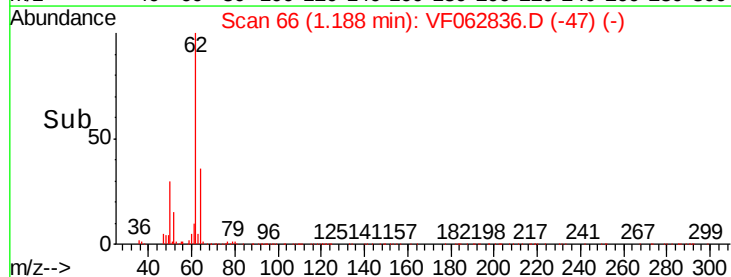
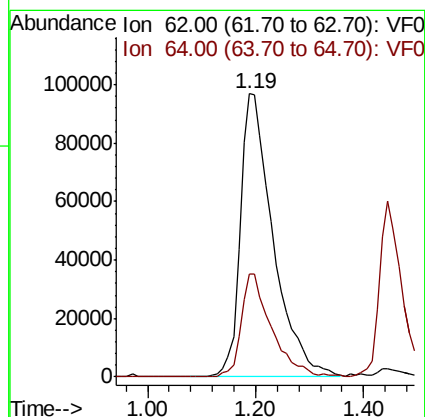
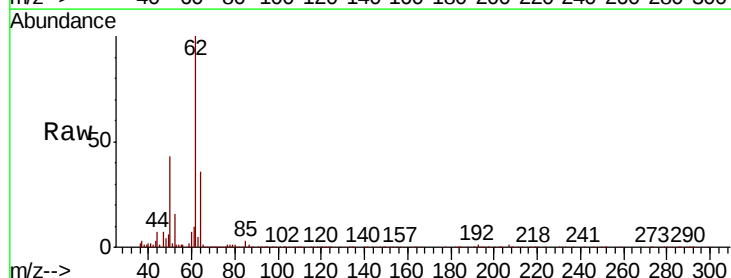
Acq: 4 Jun 2019 13:16

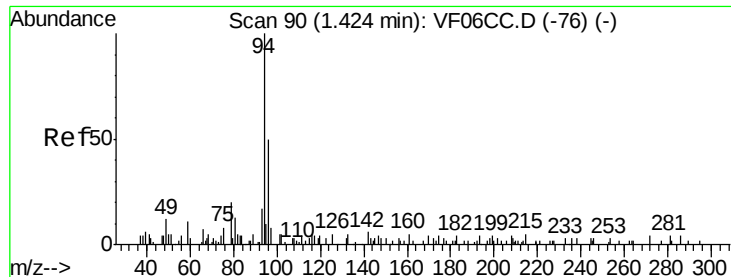
Tgt Ion: 62 Resp: 410121

Ion Ratio Lower Upper

62 100

64 36.3 26.2 39.2





#5

Bromomethane

Concen: 47.307 ug/l

RT: 1.41 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

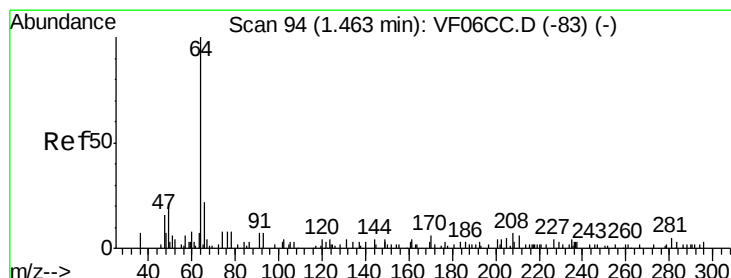
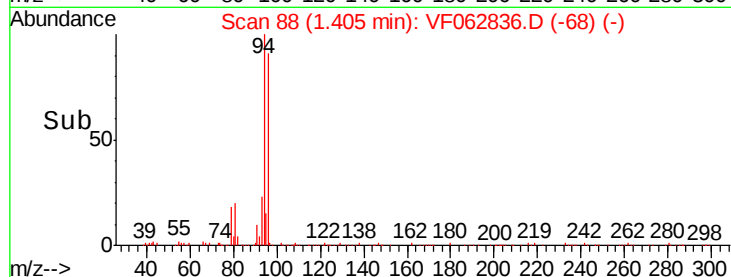
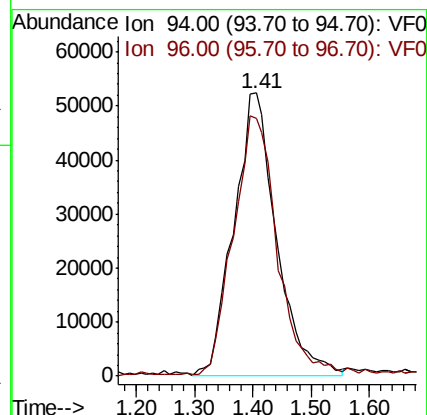
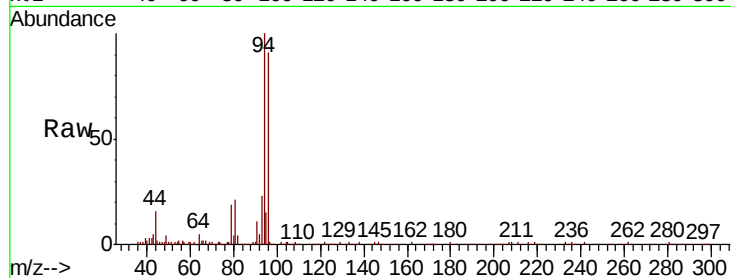
ClientSampled :

Tot Ion: 94 Resp: 266757

Ion Ratio Lower Upper

94 100

96 91.2 73.8 110.6



#6

Chloroethane

Concen: 46.631 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062836.D

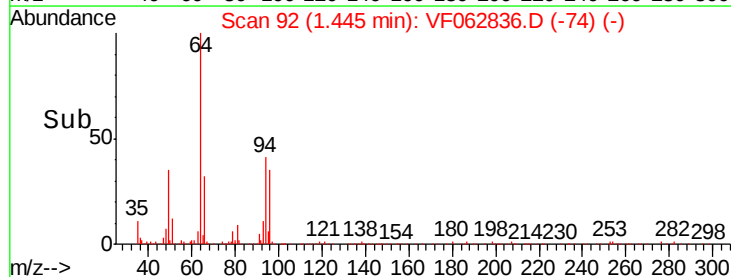
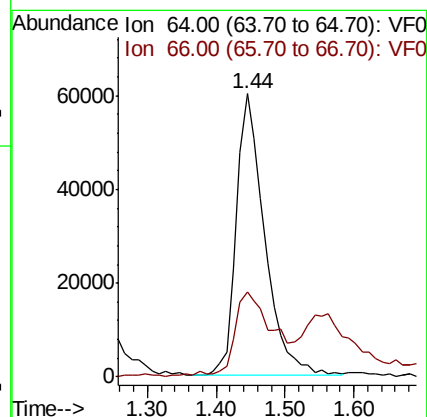
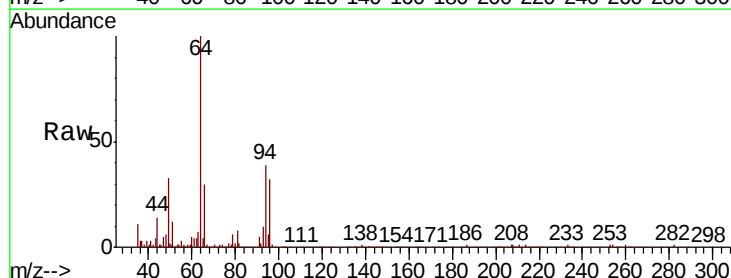
Acq: 4 Jun 2019 13:16

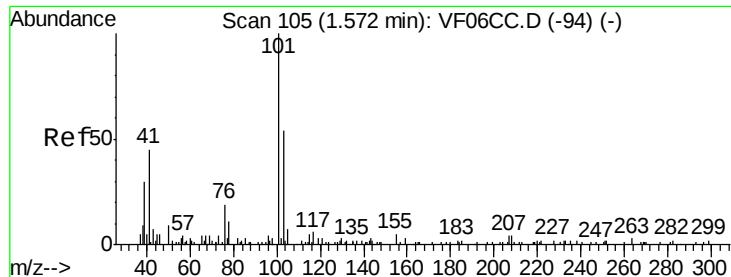
Tgt Ion: 64 Resp: 172389

Ion Ratio Lower Upper

64 100

66 30.1 31.0 46.4#



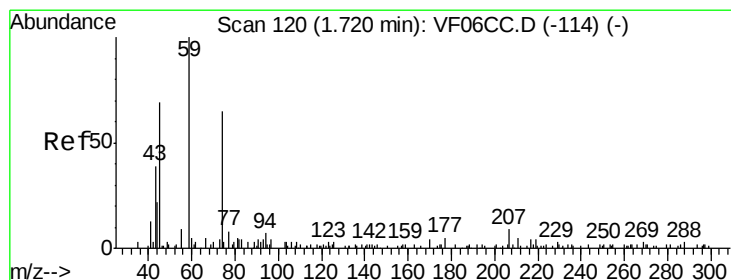
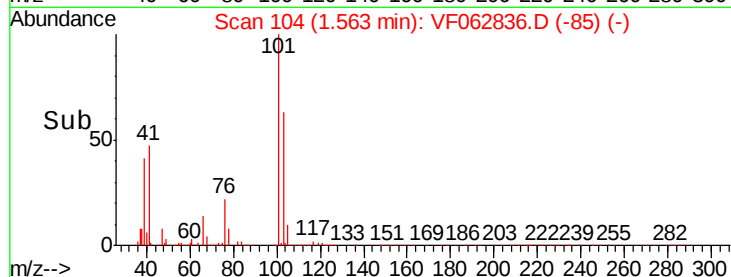
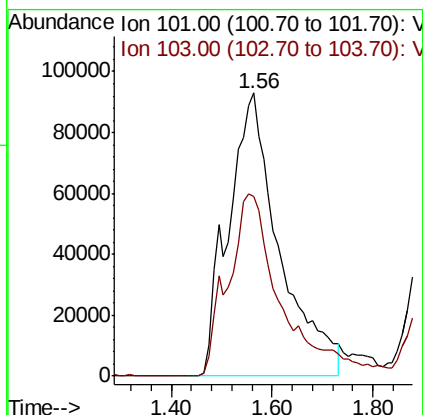
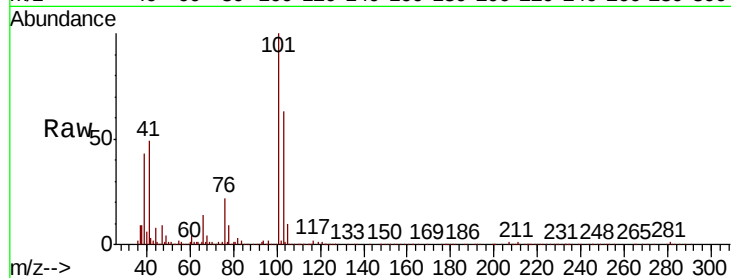


#7

Trichlorofluoromethane
Concen: 46.766 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampled :

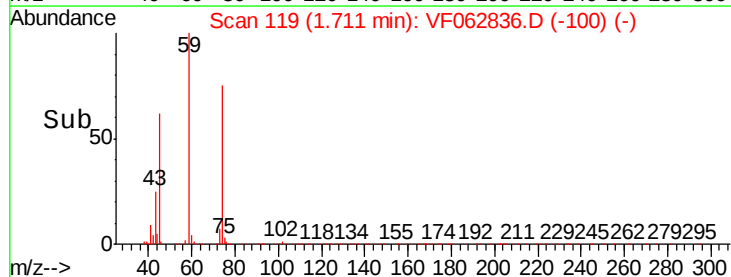
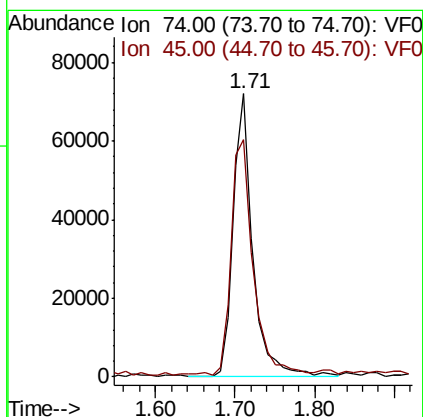
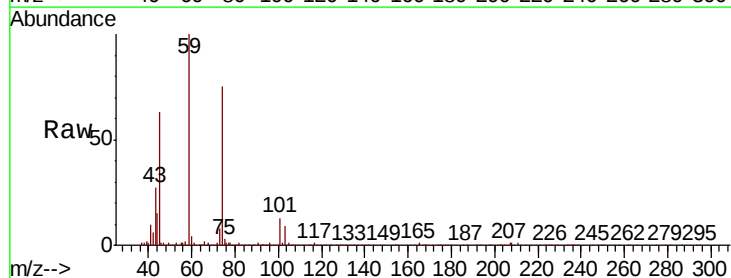
Tot Ion:101 Resp: 654614
Ion Ratio Lower Upper
101 100
103 63.5 54.6 82.0

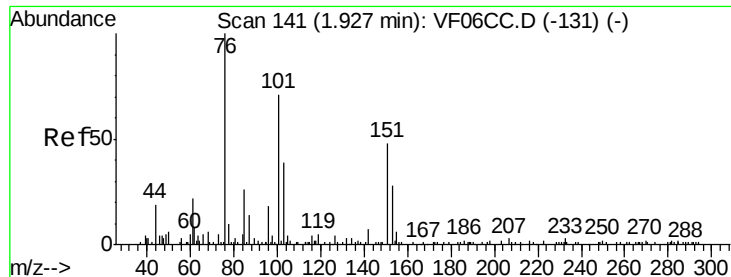


#8

Diethyl Ether
Concen: 45.580 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 74 Resp: 125523
Ion Ratio Lower Upper
74 100
45 83.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.367 ug/l

RT: 1.92 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

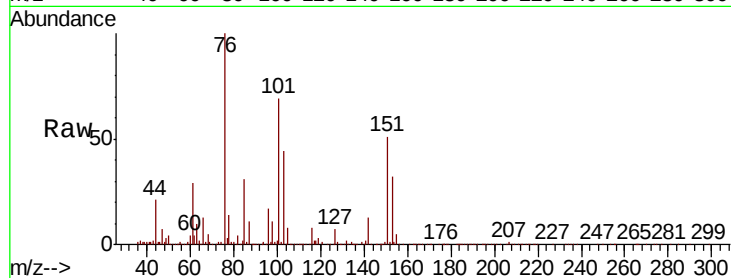
Tot Ion:101 Resp: 399242

Ion Ratio Lower Upper

101 100

85 45.6 37.1 55.7

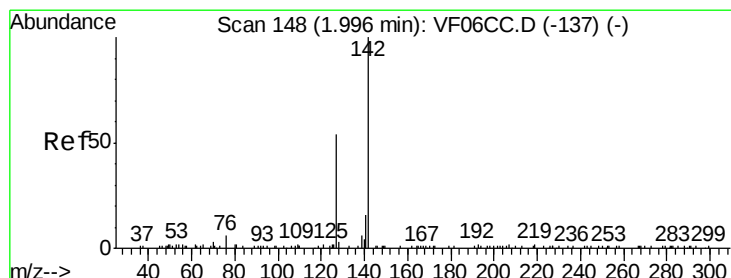
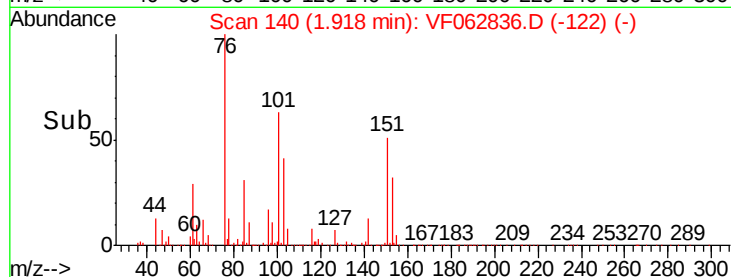
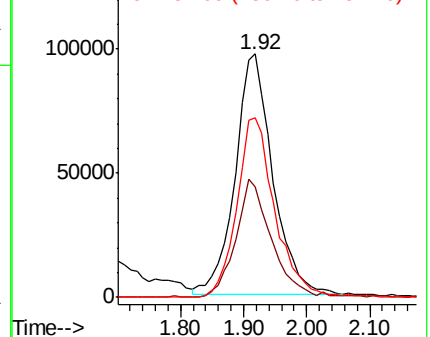
151 74.0 60.3 90.5



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: 45.814 ug/l

RT: 1.99 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

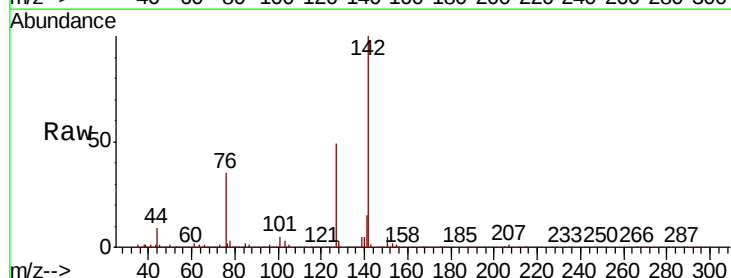
Tgt Ion:142 Resp: 808402

Ion Ratio Lower Upper

142 100

127 49.4 39.4 59.2

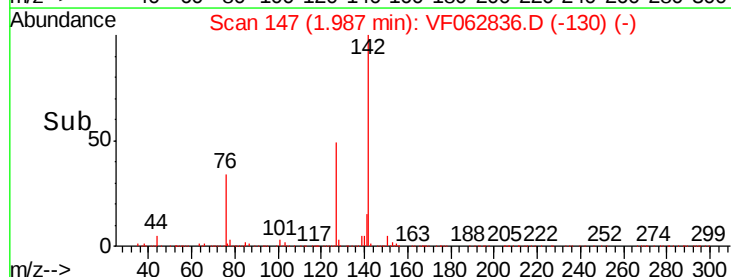
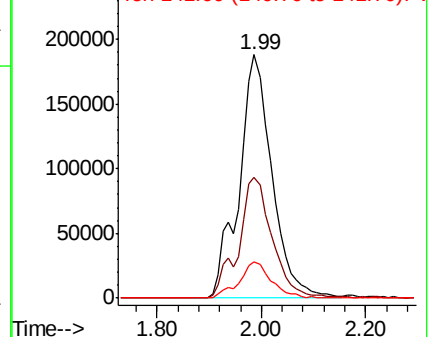
141 14.7 10.6 15.8

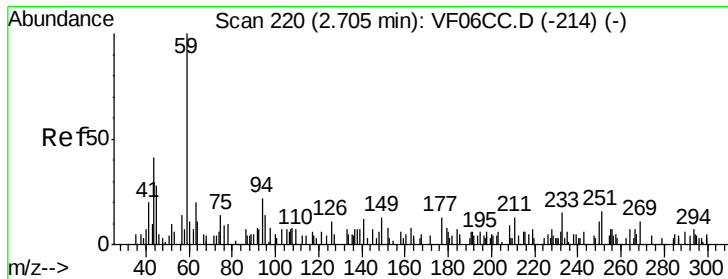


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

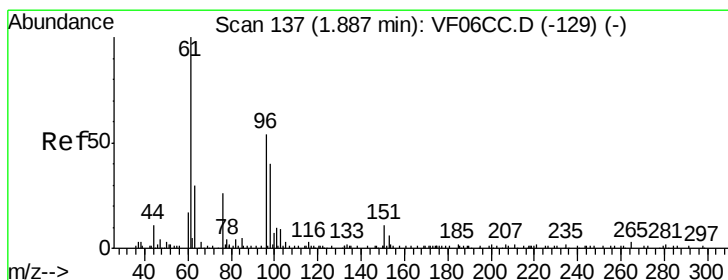
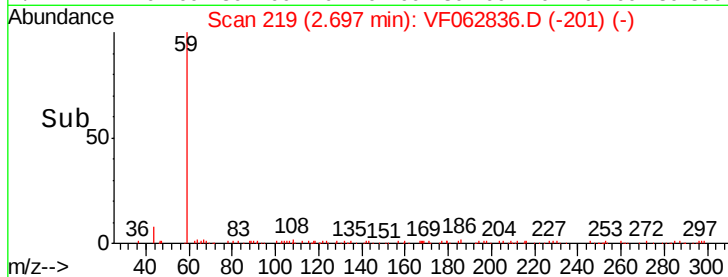
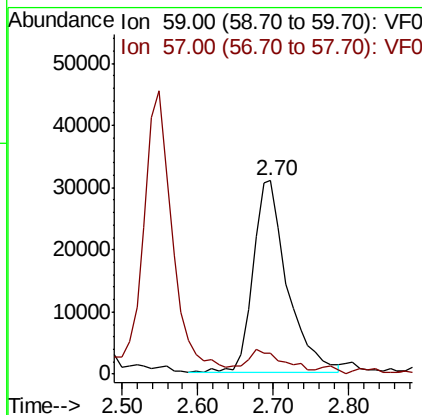
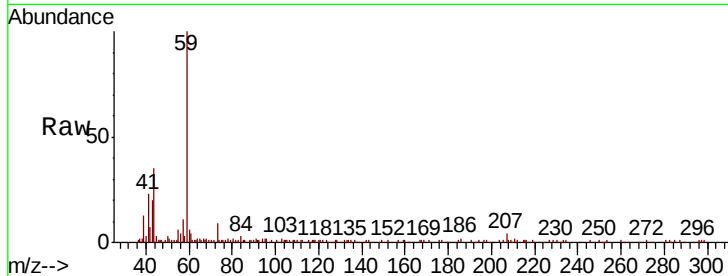




#11
Tert butyl alcohol
Concen: 243.543 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

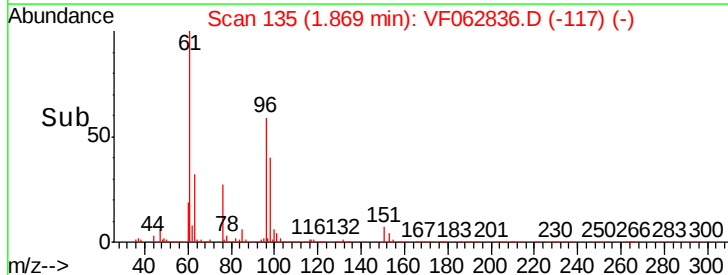
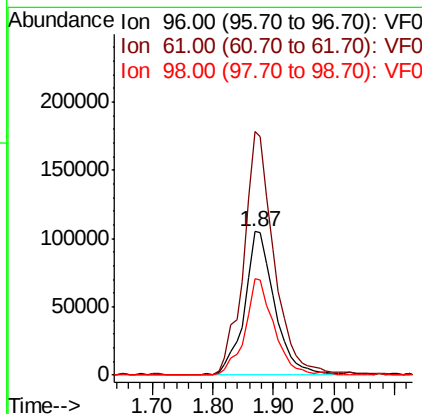
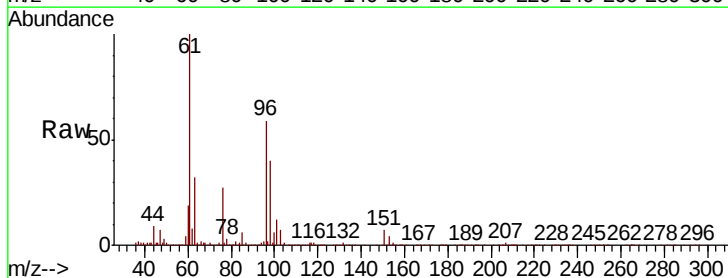
Instrument :
MSVOA_F
ClientSampleId :

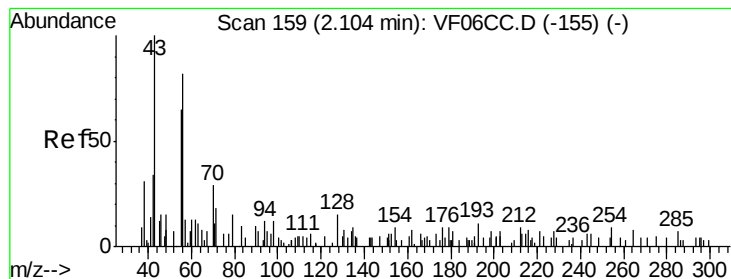
Tot Ion: 59 Resp: 98106
Ion Ratio Lower Upper
59 100
57 10.7 9.2 13.8



#12
1,1-Dichloroethene
Concen: 45.126 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 96 Resp: 360602
Ion Ratio Lower Upper
96 100
61 169.9 139.4 209.2
98 67.7 50.3 75.5





#13

Acrolein

Concen: 243.282 ug/l

RT: 2.10 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

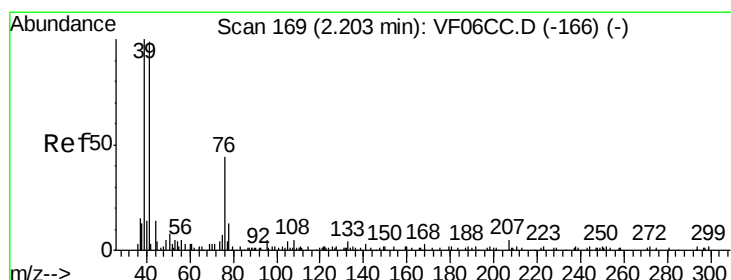
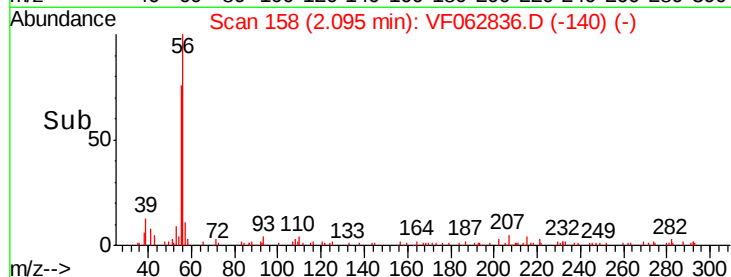
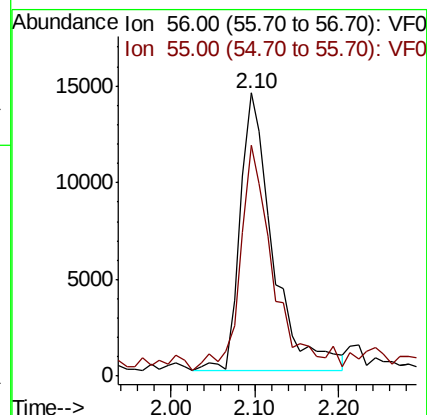
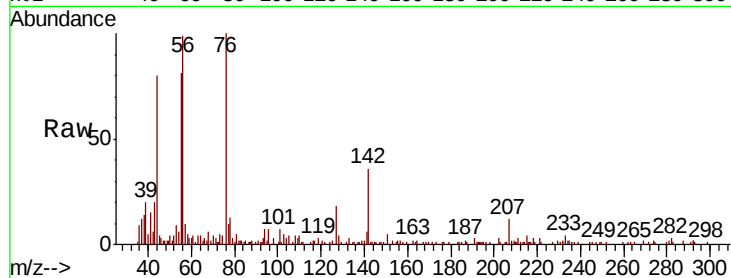
ClientSampleId :

Tot Ion: 56 Resp: 39186

Ion Ratio Lower Upper

56 100

55 81.5 52.9 79.3#



#14

Allyl chloride

Concen: 45.407 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

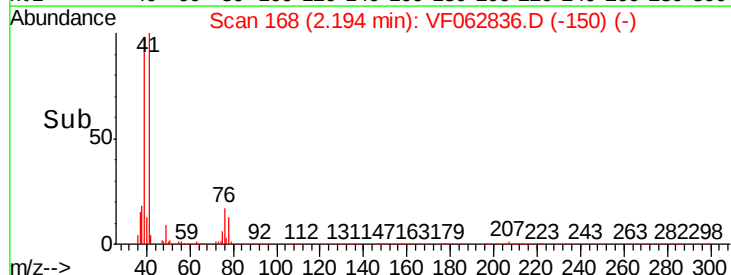
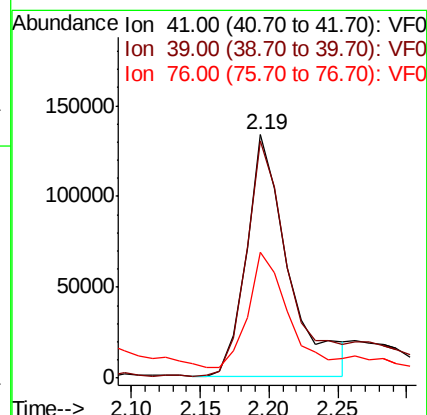
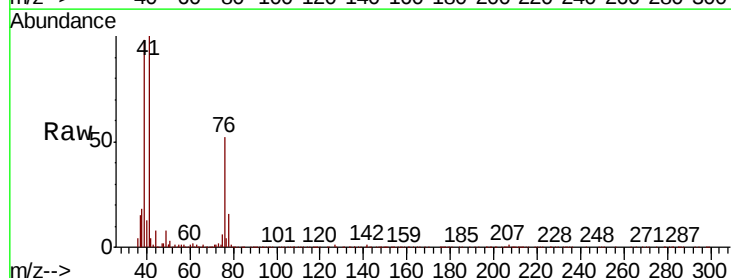
Tgt Ion: 41 Resp: 281499

Ion Ratio Lower Upper

41 100

39 97.6 71.9 107.9

76 51.7 39.6 59.4





#15

Acrylonitrile

Concen: 177.861 ug/l

RT: 3.09 min Scan# 259

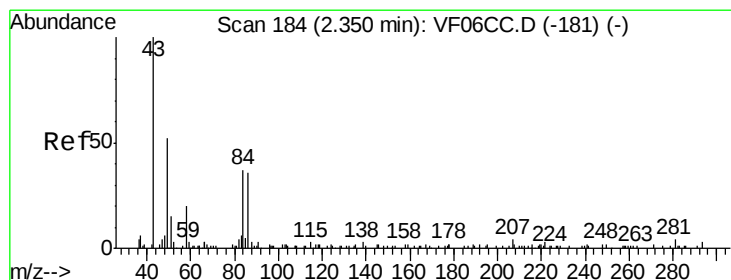
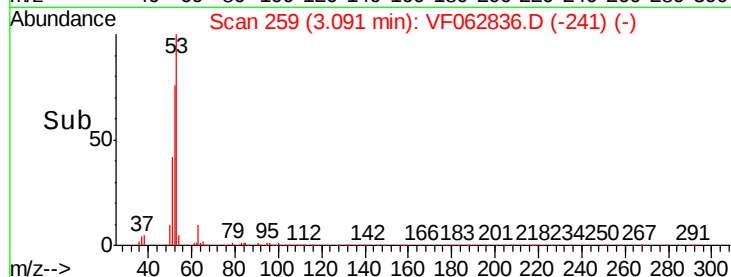
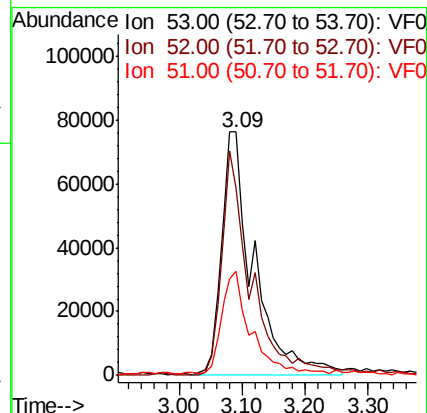
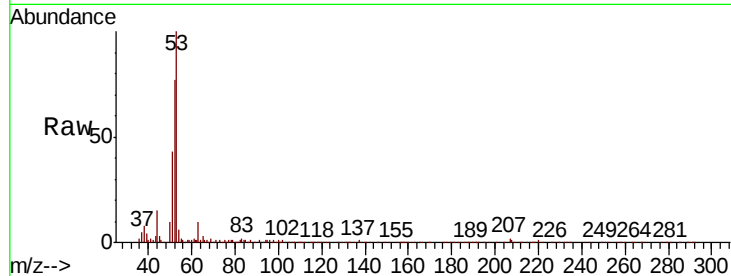
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	269222
Ion	Ratio	Lower	Upper
53	100		
52	76.8	68.1	102.1
51	42.8	27.7	41.5#



#16

Acetone

Concen: 227.192 ug/l

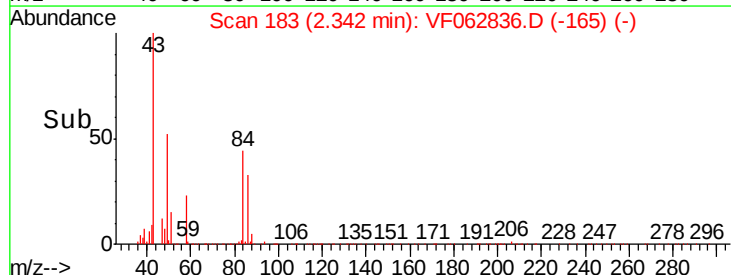
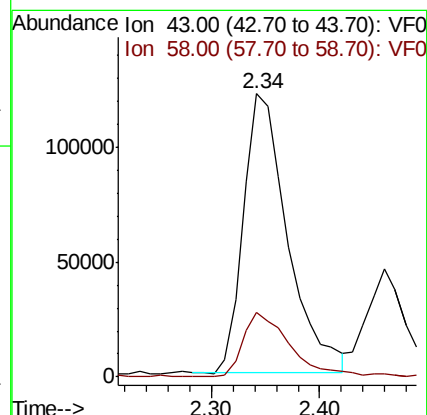
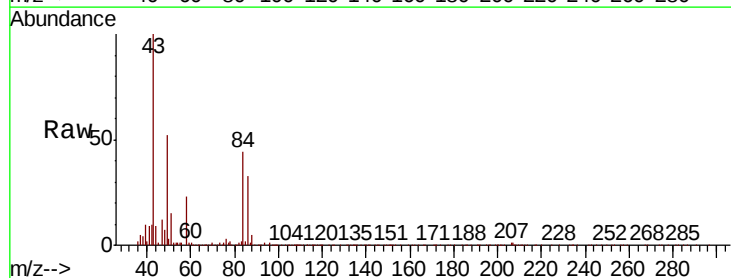
RT: 2.34 min Scan# 183

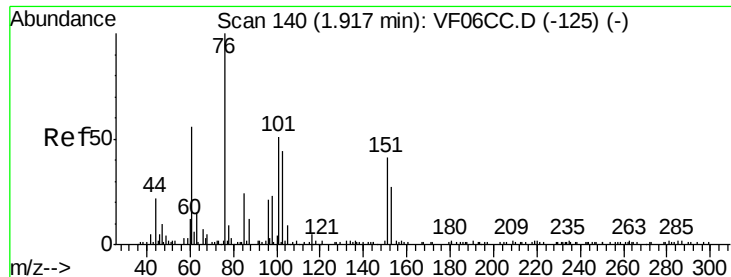
Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion:	43	Resp:	345776
Ion	Ratio	Lower	Upper
43	100		
58	22.6	19.0	28.4

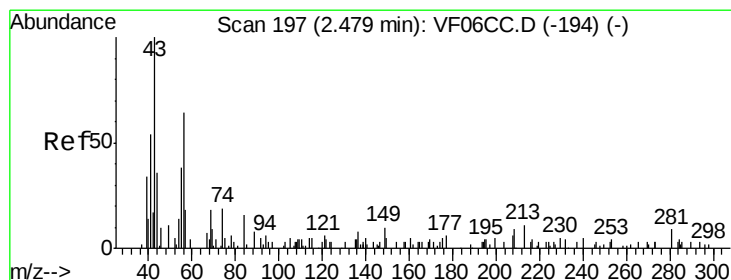
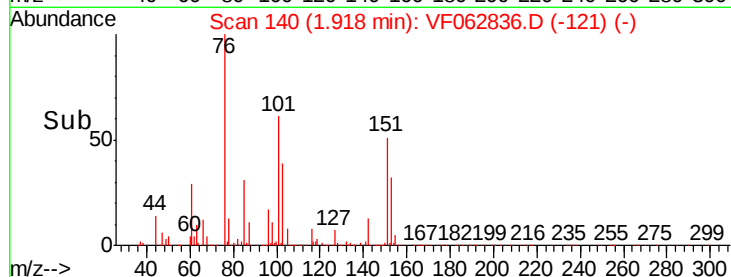
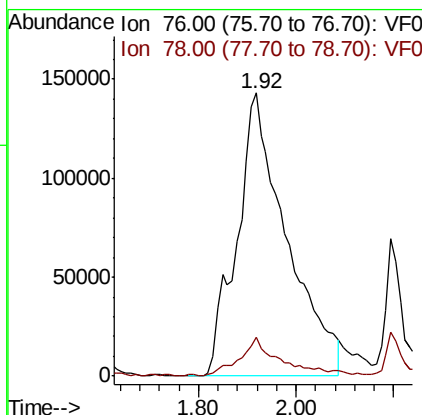
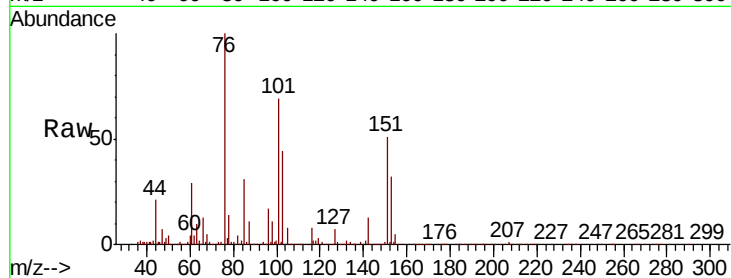




#17
Carbon Disulfide
Concen: 43.348 ug/l
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

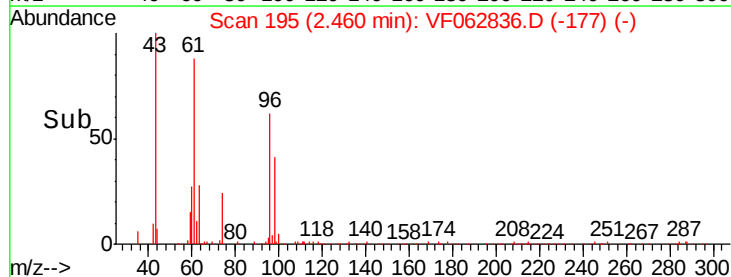
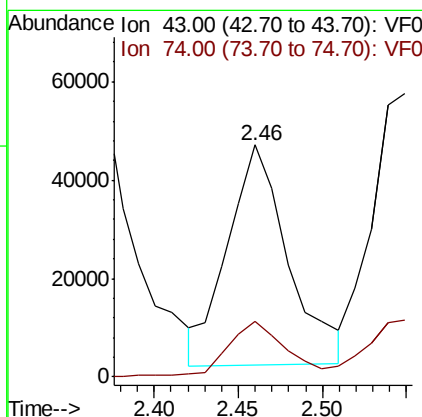
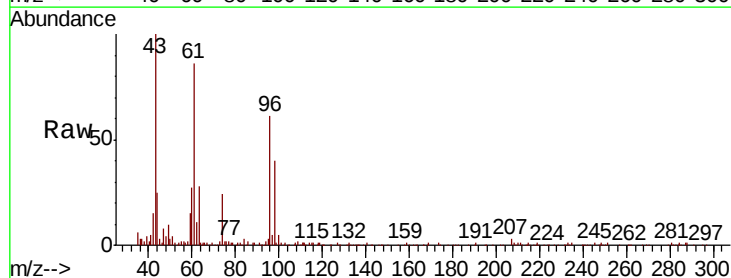
Instrument :
MSVOA_F
ClientSampleId :

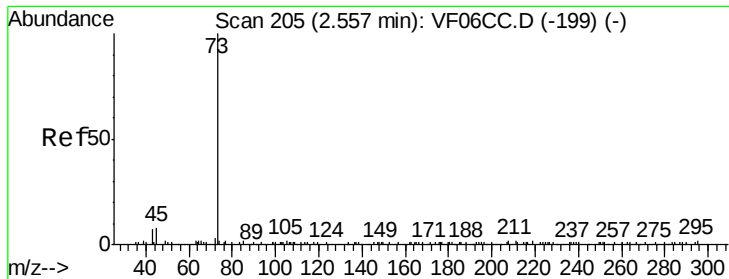
Tot Ion: 76 Resp: 1012430
Ion Ratio Lower Upper
76 100
78 13.6 9.4 14.2



#18
Methyl Acetate
Concen: 41.863 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 43 Resp: 111339
Ion Ratio Lower Upper
43 100
74 24.2 22.1 33.1

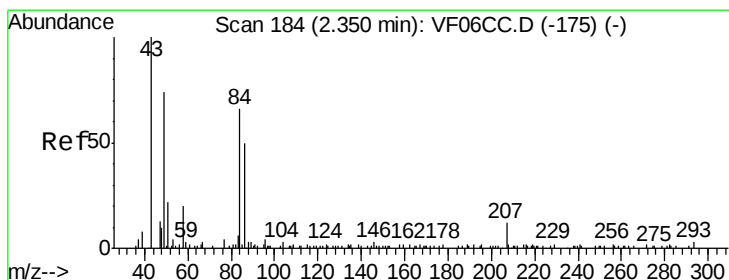
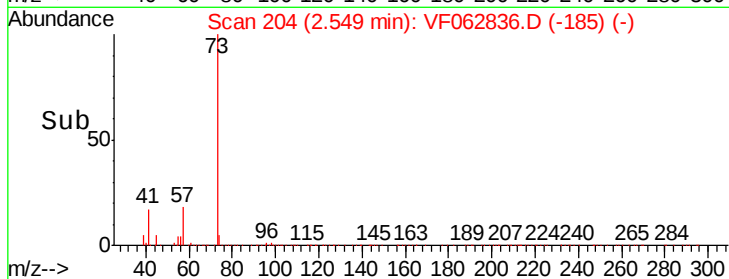
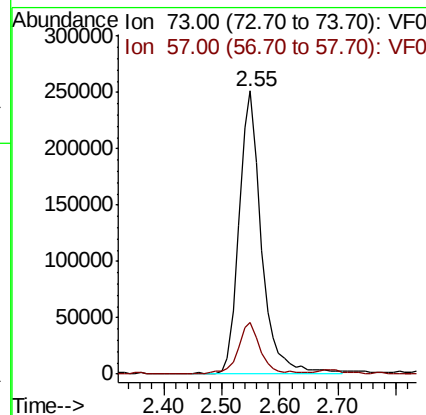
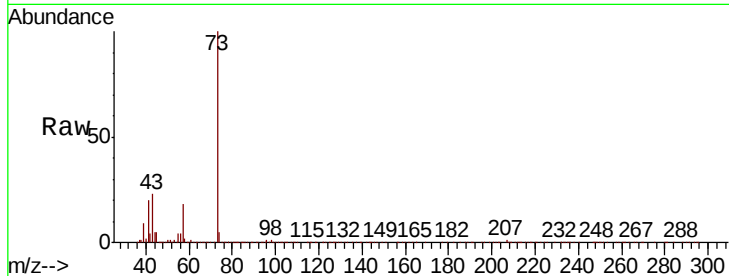




#19
Methvl tert-butvl Ether
Concen: 46.782 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

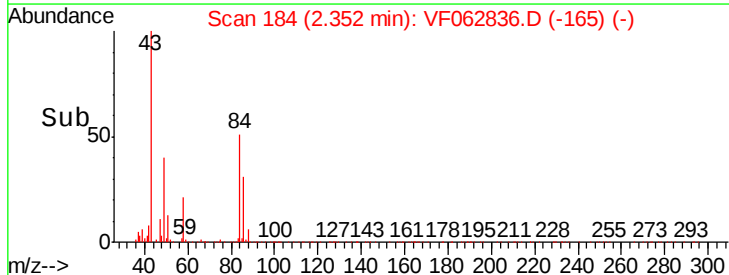
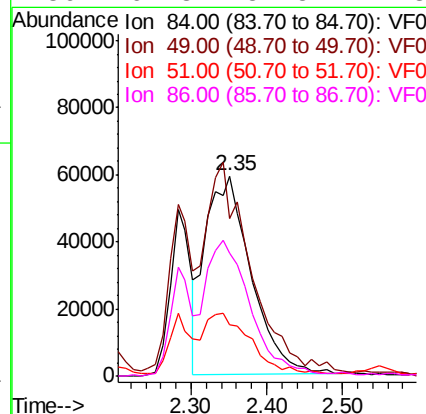
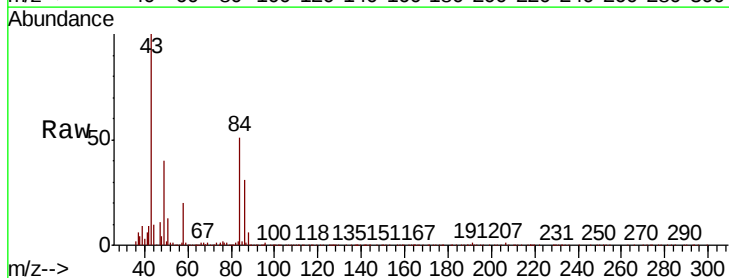
Instrument :
MSVOA_F
ClientSampleId :

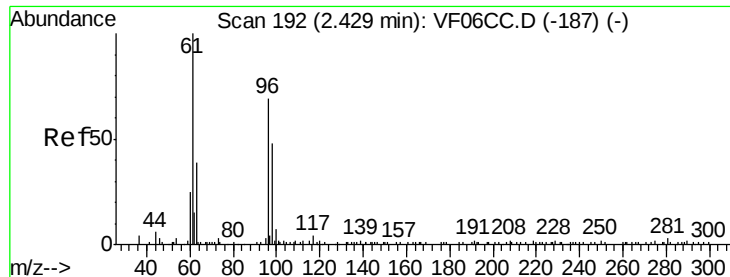
Tot Ion: 73 Resp: 677289
Ion Ratio Lower Upper
73 100
57 18.1 15.1 22.7



#20
Methylene Chloride
Concen: 31.401 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 84 Resp: 247787
Ion Ratio Lower Upper
84 100
49 78.8 82.6 123.8#
51 25.8 25.0 37.4
86 61.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 45.751 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

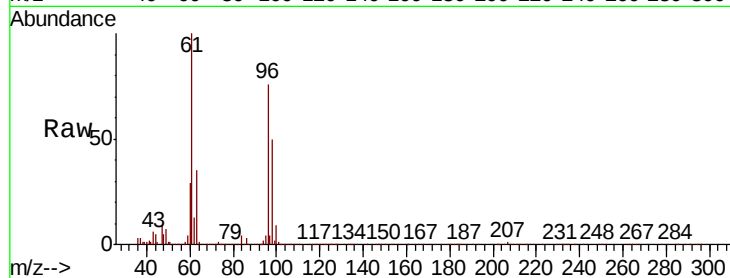
Tot Ion: 96 Resp: 366566

Ion Ratio Lower Upper

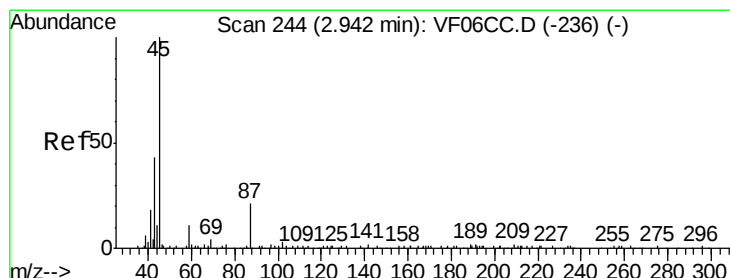
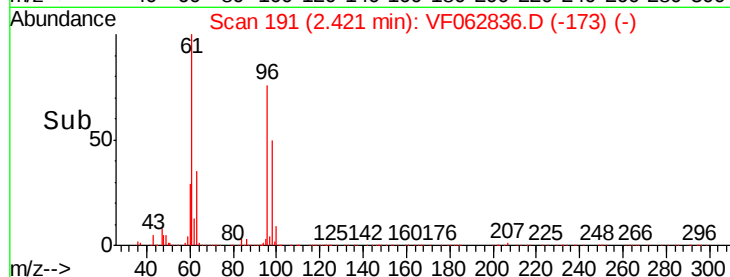
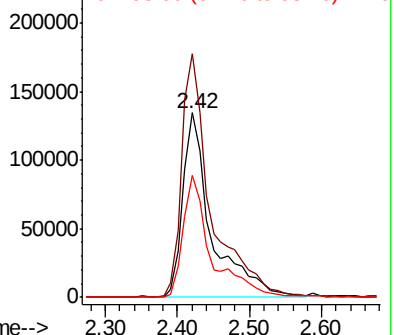
96 100

61 132.2 105.0 157.6

98 66.6 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: 45.370 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion: 45 Resp: 799113

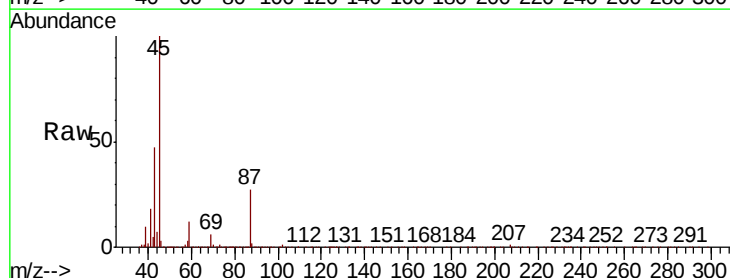
Ion Ratio Lower Upper

45 100

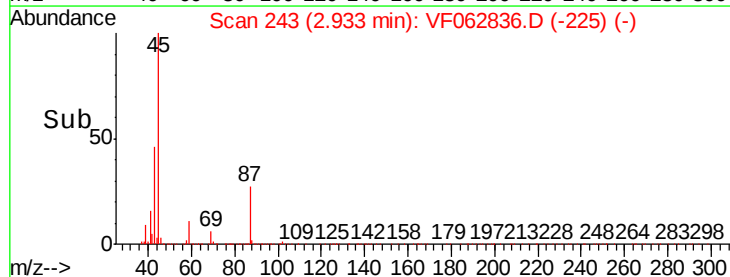
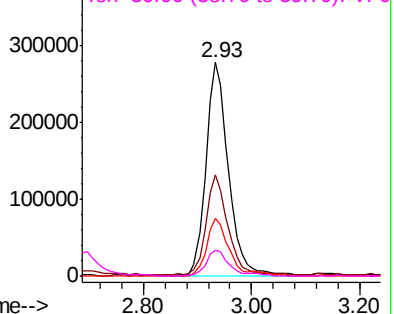
43 47.4 34.3 51.5

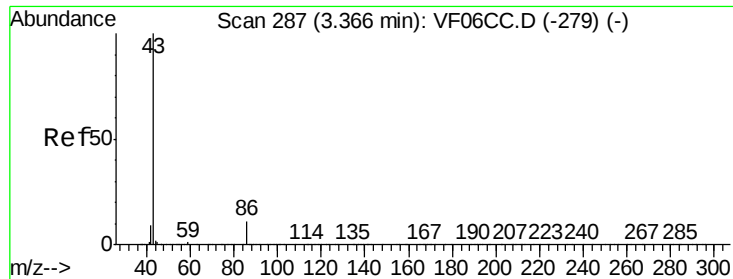
87 27.2 19.0 28.4

59 11.8 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

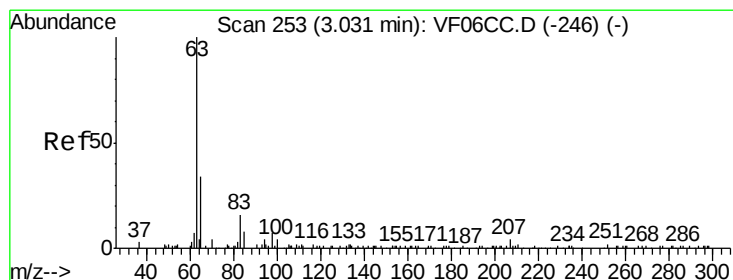
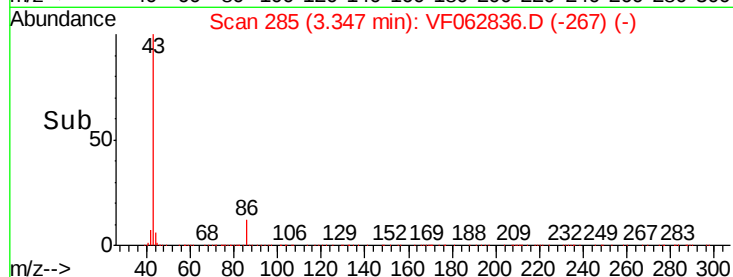
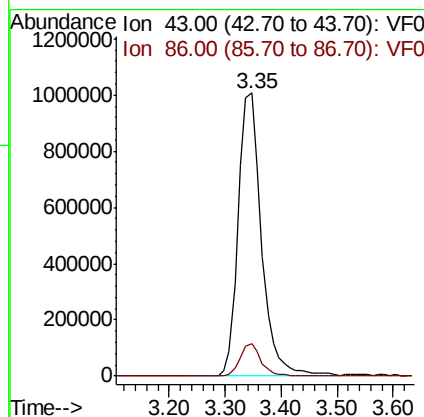
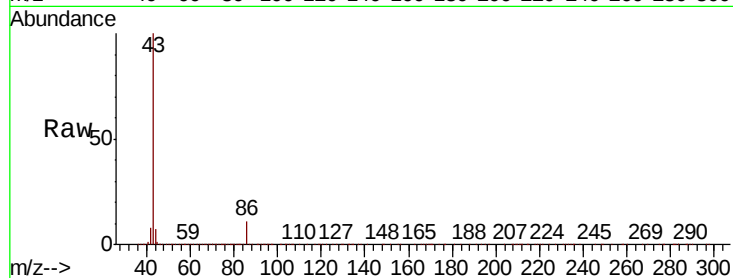




#23
 Vinyl Acetate
 Concen: 240.956 ug/l
 RT: 3.35 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

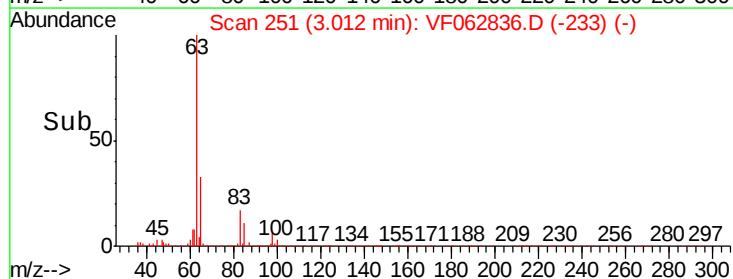
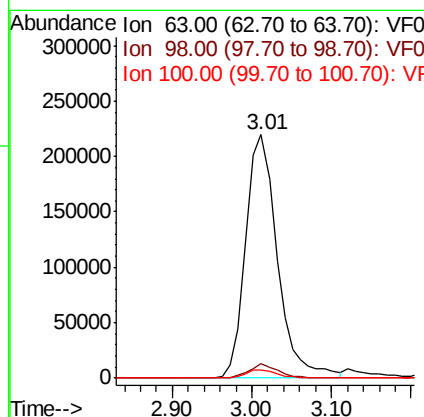
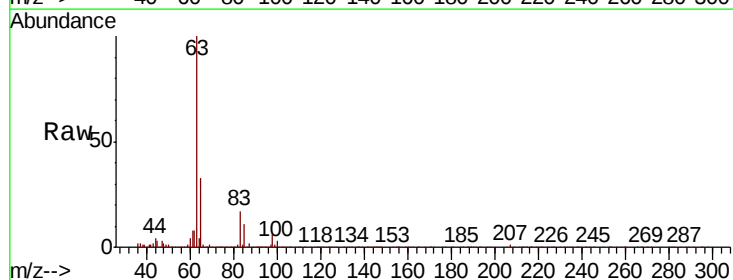
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 2905474
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 45.828 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. -0.02 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion: 63 Resp: 602673
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.4 7.1
 100 3.3 1.5 4.5

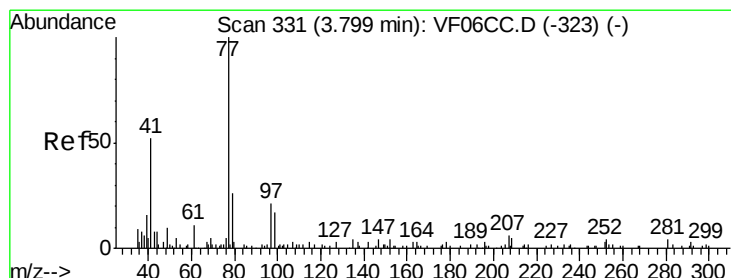
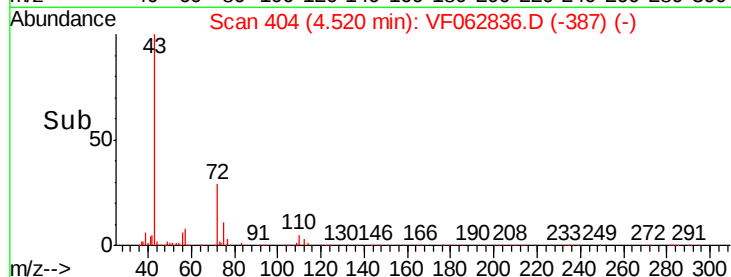
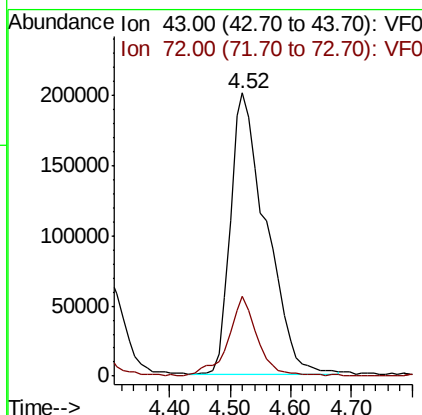
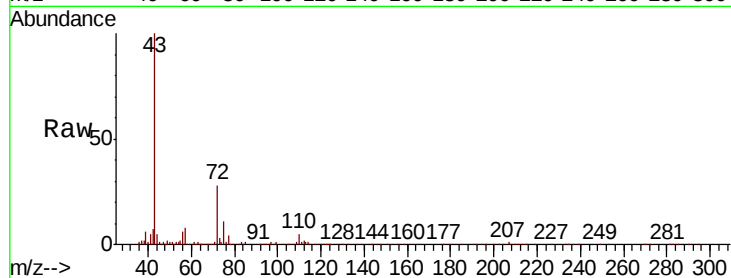




#25
2-Butanone
Concen: 231.352 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

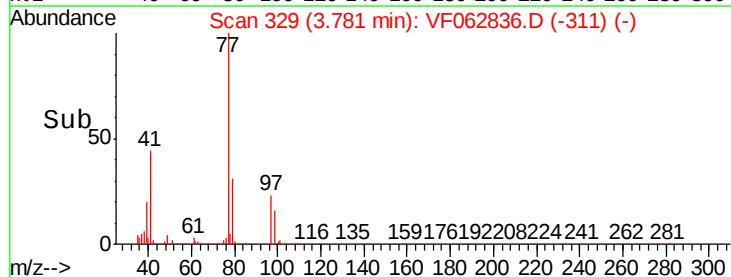
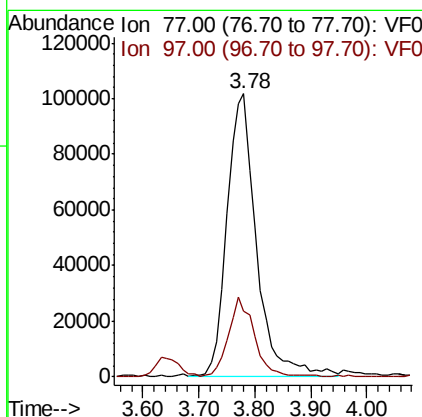
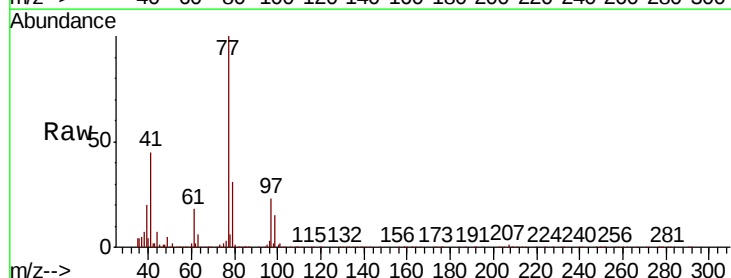
Instrument :
MSVOA_F
ClientSampleId :

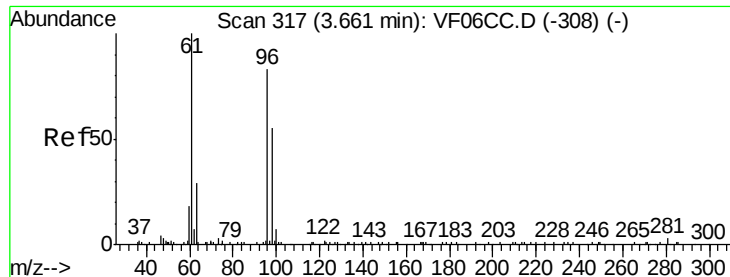
Tot Ion: 43 Resp: 819977
Ion Ratio Lower Upper
43 100
72 28.3 21.4 32.0



#26
2,2-Dichloropropane
Concen: 49.520 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 77 Resp: 369766
Ion Ratio Lower Upper
77 100
97 23.4 12.4 37.4



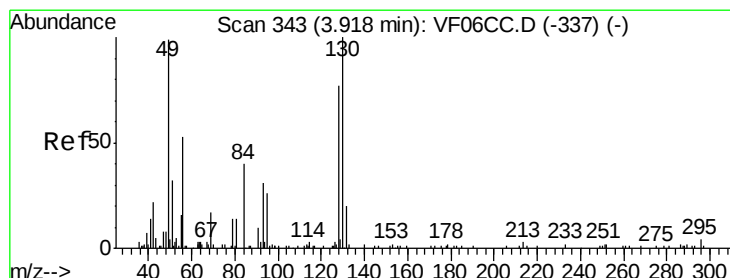
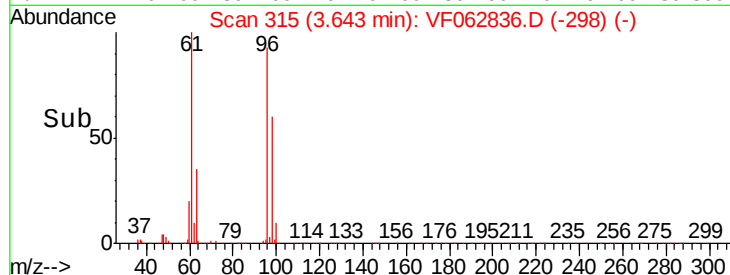
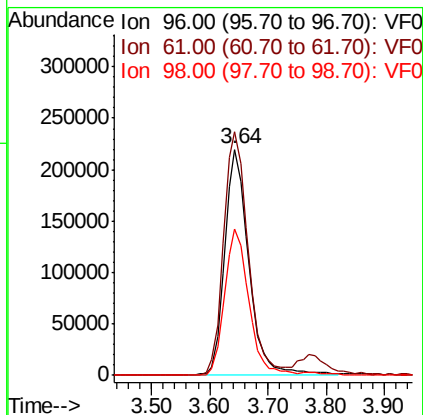
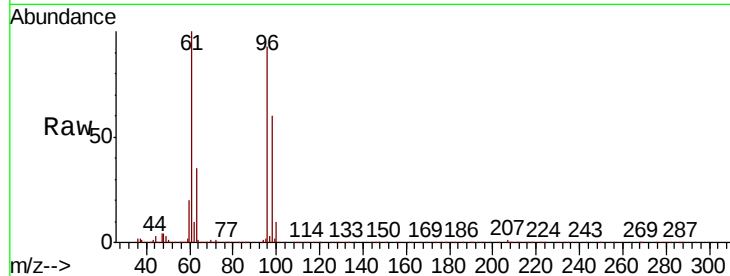


#27

cis-1,2-Dichloroethene
Concen: 46.670 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

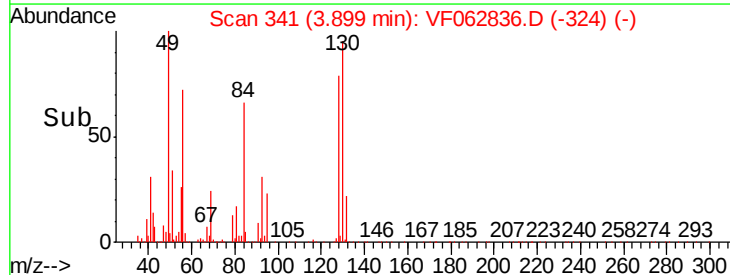
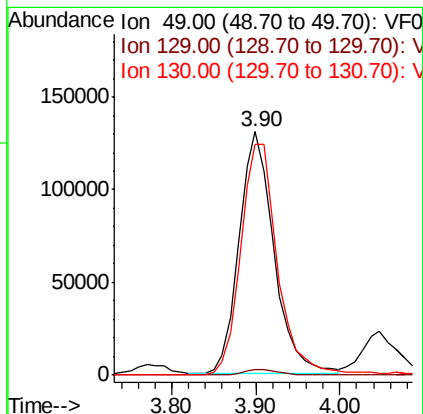
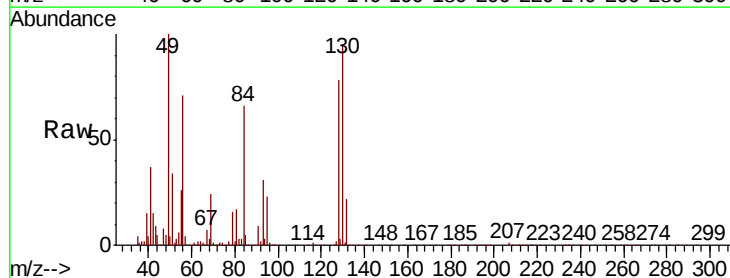
Tot Ion	Ratio	Lower	Upper
96	100		
61	107.7	0.0	213.8
98	64.8	0.0	127.0

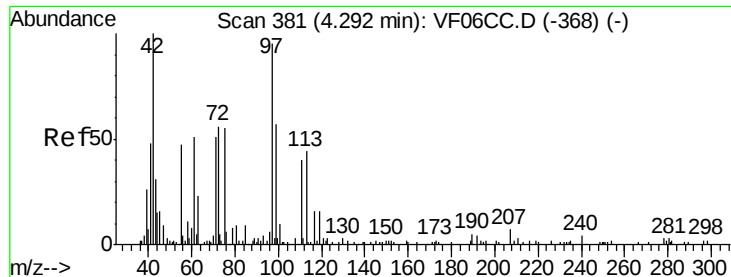


#28

Bromochloromethane
Concen: 52.973 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	94.7	79.2	118.8

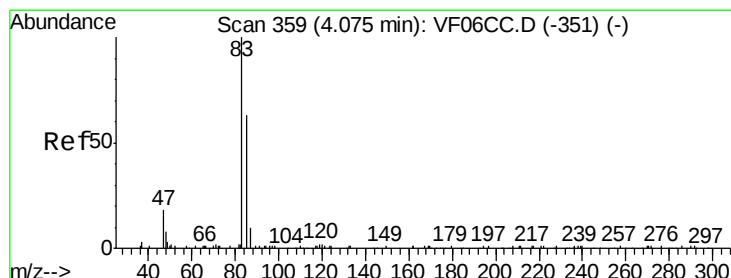
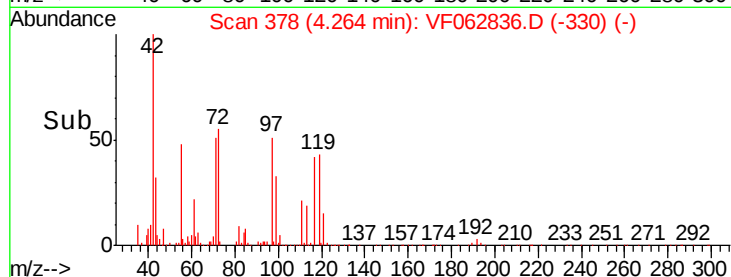
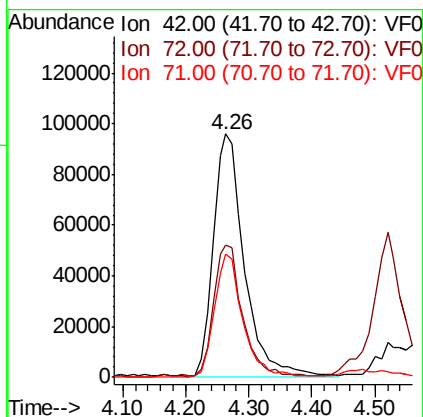
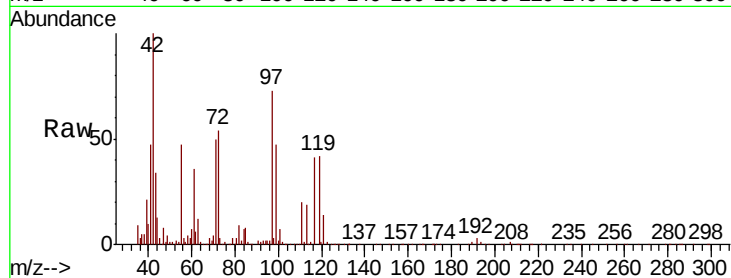




#29
Tetrahydrofuran
Concen: 240.430 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

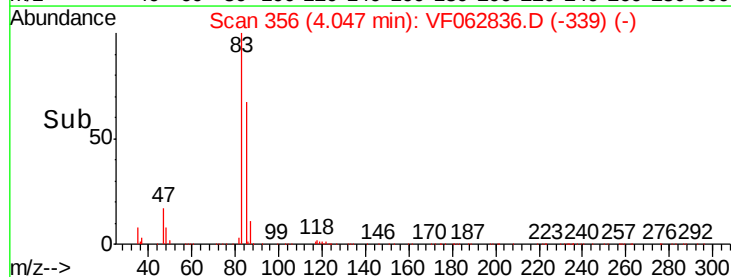
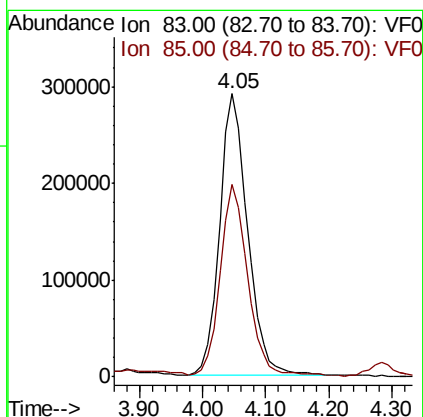
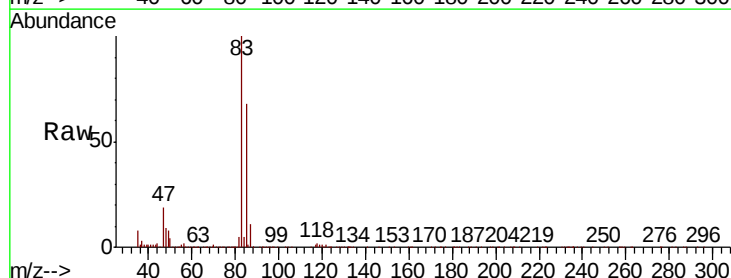
Instrument :
MSVOA_F
ClientSampleID :

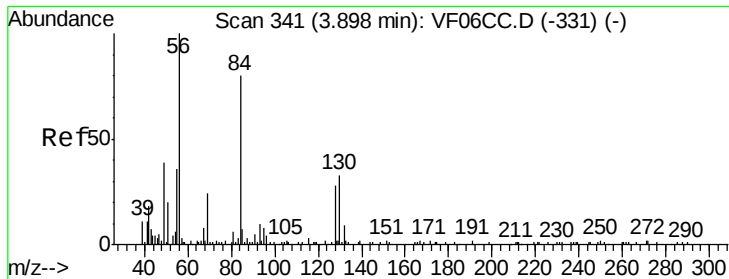
Tot Ion: 42 Resp: 325924
Ion Ratio Lower Upper
42 100
72 51.0 39.0 58.6
71 47.0 36.9 55.3



#30
Chloroform
Concen: 48.233 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 83 Resp: 893965
Ion Ratio Lower Upper
83 100
85 67.8 55.0 82.6

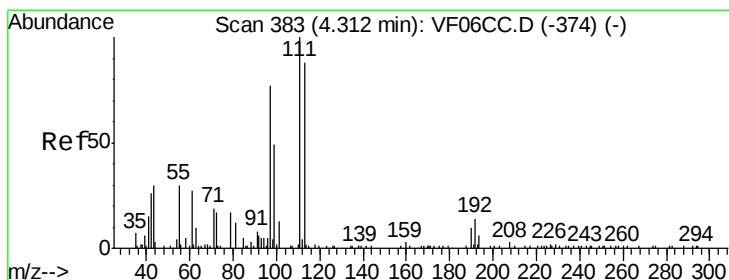
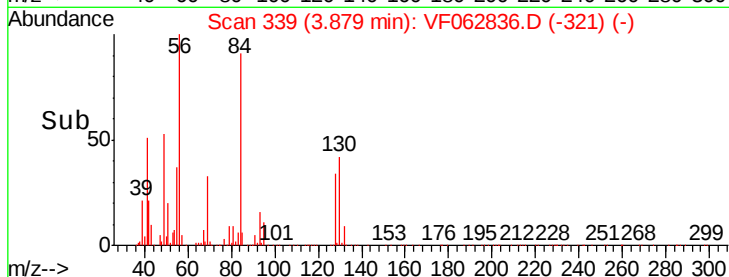
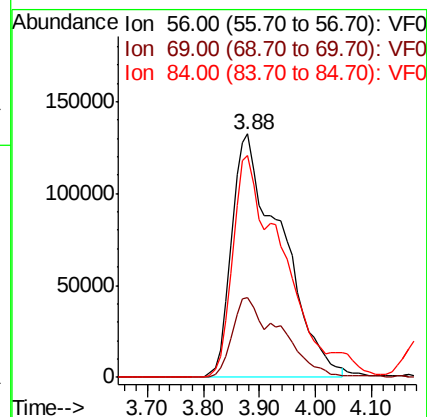
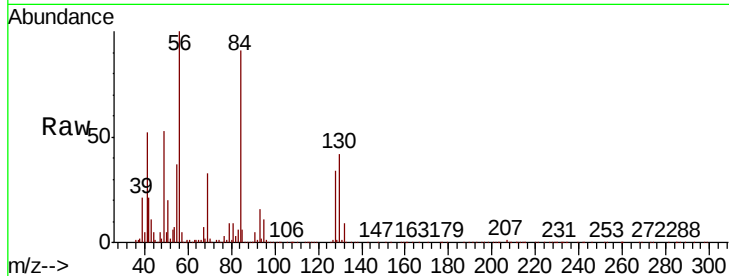




#31
Cyclohexane
Concen: 45.368 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

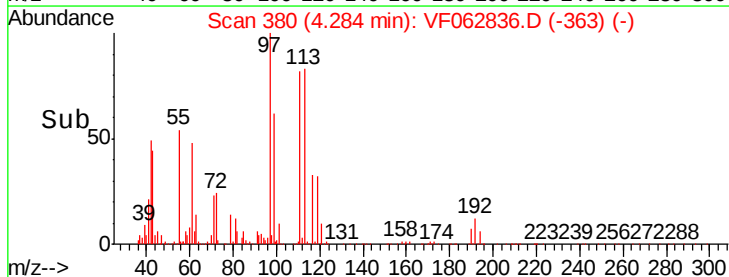
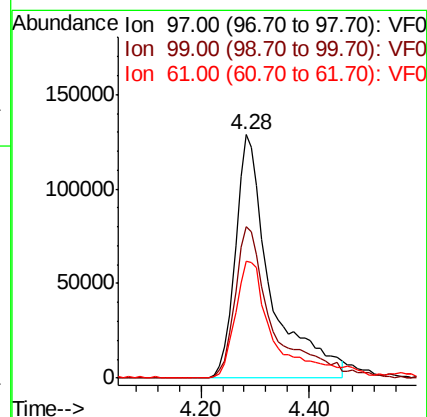
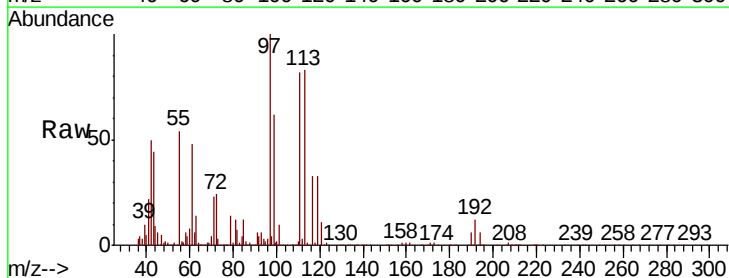
Instrument :
MSVOA_F
ClientSampleId :

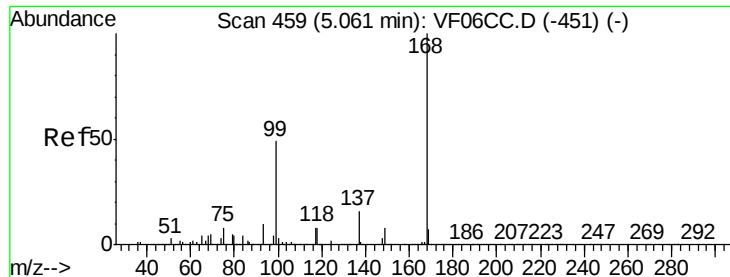
Tot Ion: 56 Resp: 807740
Ion Ratio Lower Upper
56 100
69 32.7 26.7 40.1
84 91.4 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 54.300 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 97 Resp: 585955
Ion Ratio Lower Upper
97 100
99 63.5 51.7 77.5
61 48.3 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 50.280 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

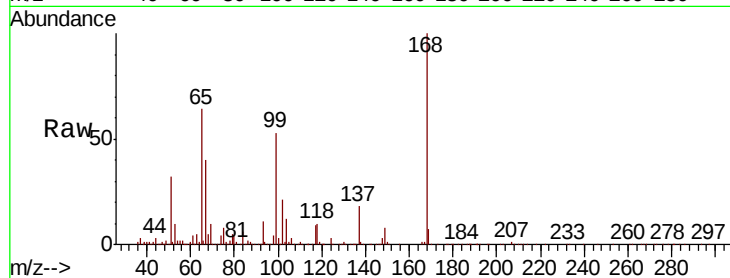
ClientSampleId :

Tot Ion: 65 Resp: 334346

Ion Ratio Lower Upper

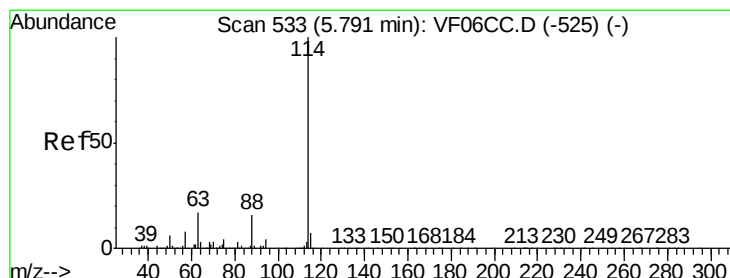
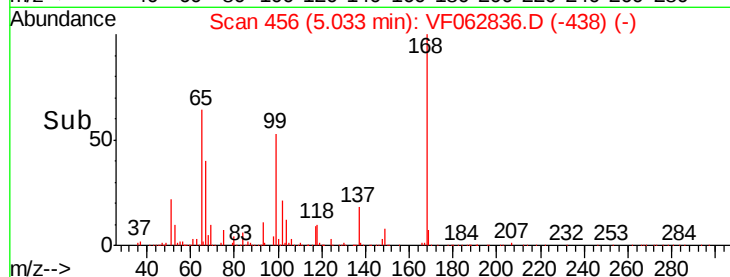
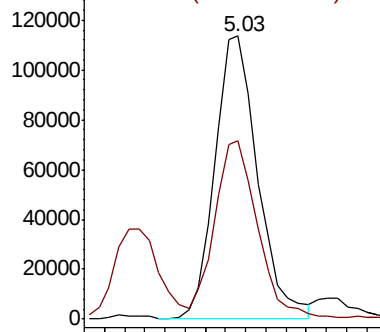
65 100

67 62.9 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: VF062836.D

Acq: 4 Jun 2019 13:16

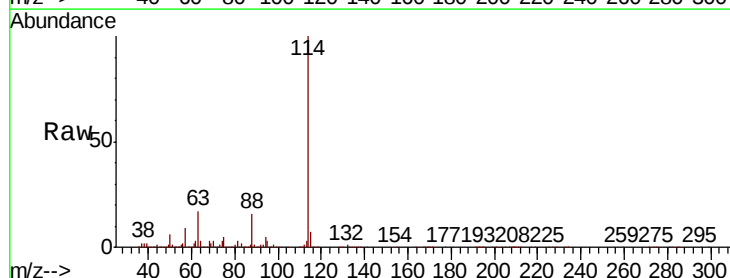
Tgt Ion:114 Resp: 1529479

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

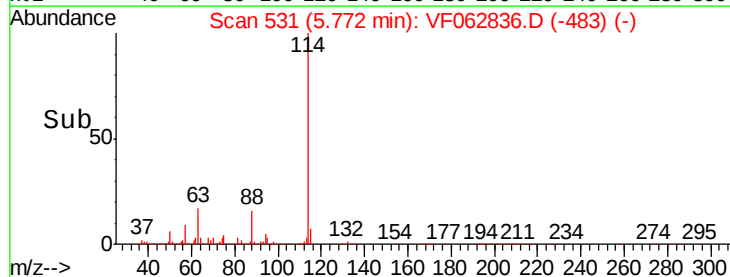
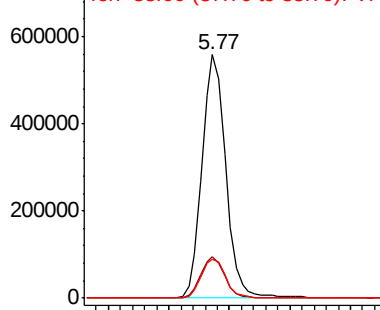
88 16.0 0.0 31.2

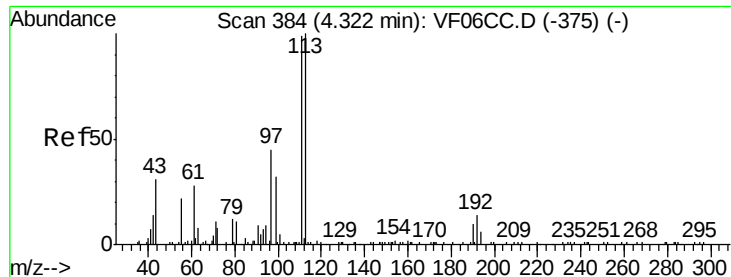


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.086 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

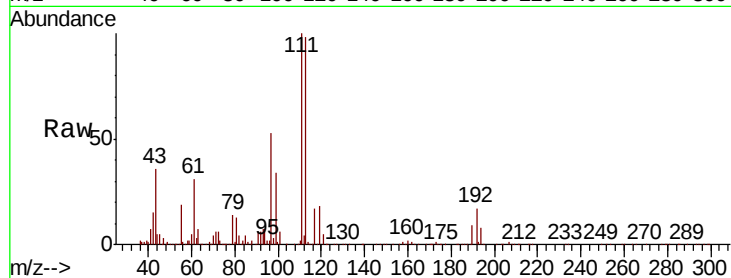
Tot Ion:113 Resp: 590429

Ion Ratio Lower Upper

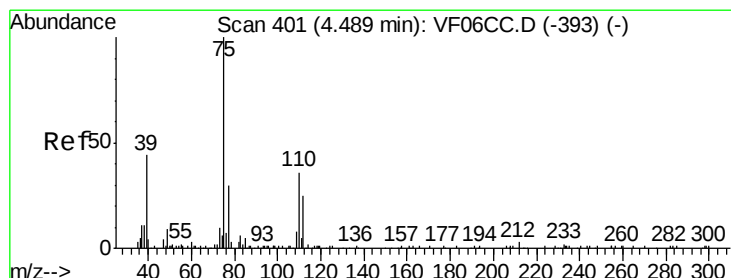
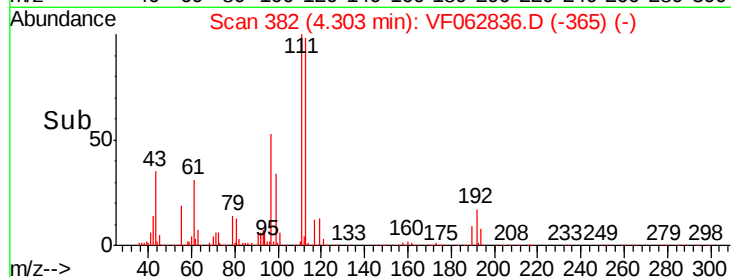
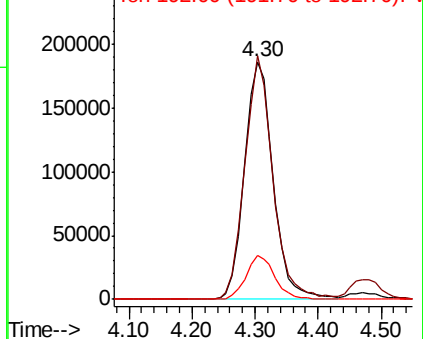
113 100

111 102.5 81.9 122.9

192 18.6 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 49.966 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

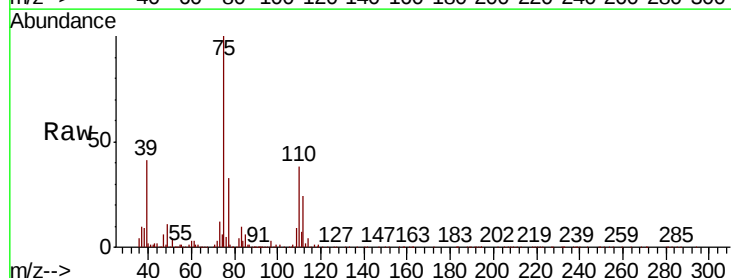
Tgt Ion: 75 Resp: 703534

Ion Ratio Lower Upper

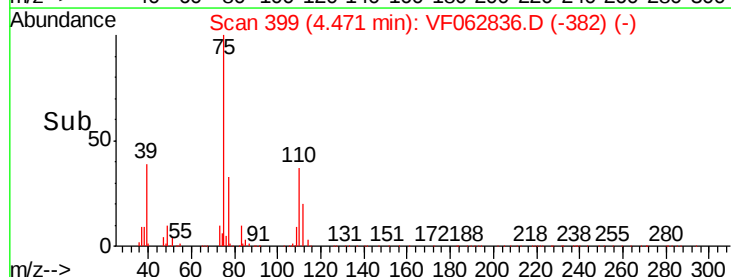
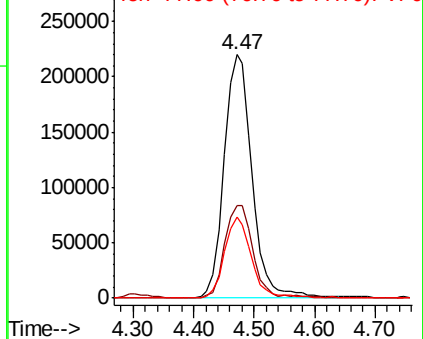
75 100

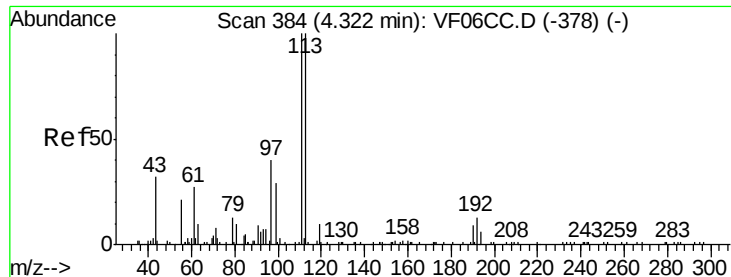
110 38.2 19.4 58.1

77 33.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 51.786 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

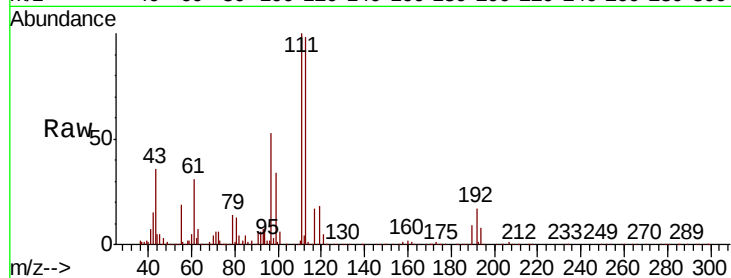
Tot Ion: 43 Resp: 278733

Ion Ratio Lower Upper

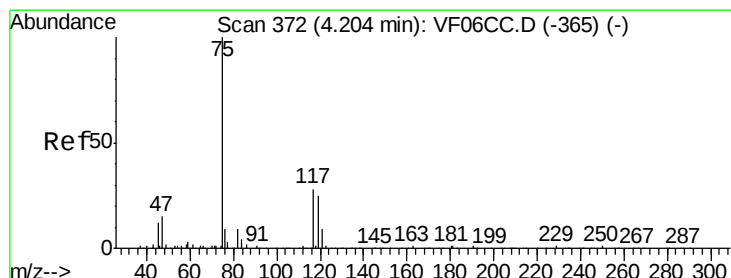
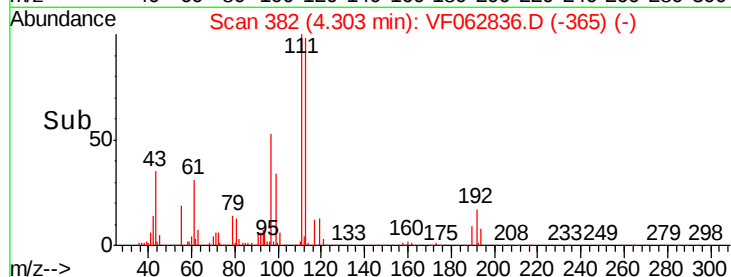
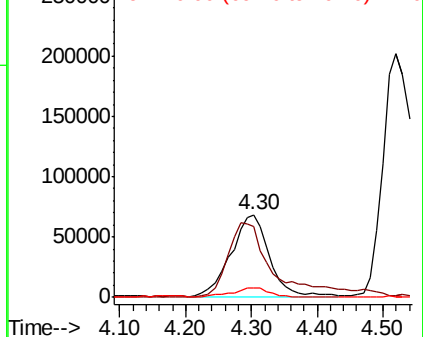
43 100

61 85.7 59.1 88.7

70 11.7 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: 54.534 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

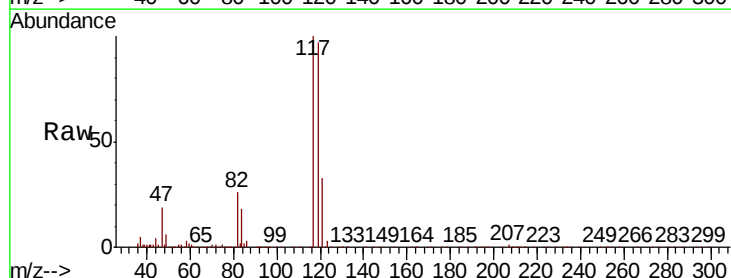
Tgt Ion: 117 Resp: 518947

Ion Ratio Lower Upper

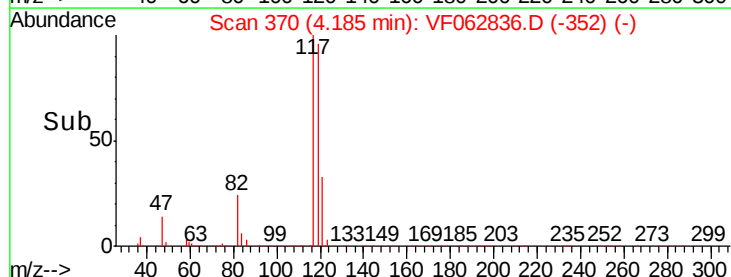
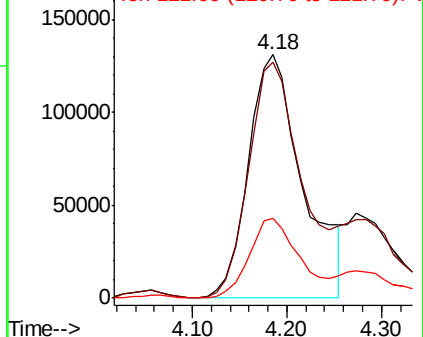
117 100

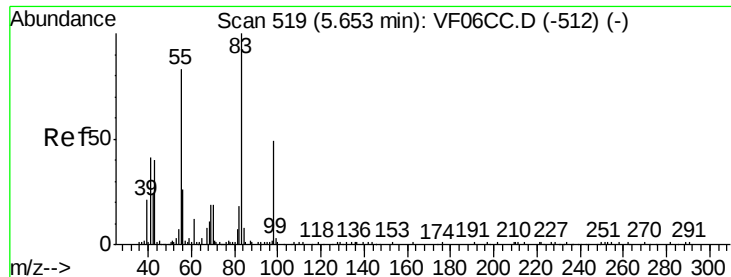
119 96.7 78.2 117.2

121 33.0 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

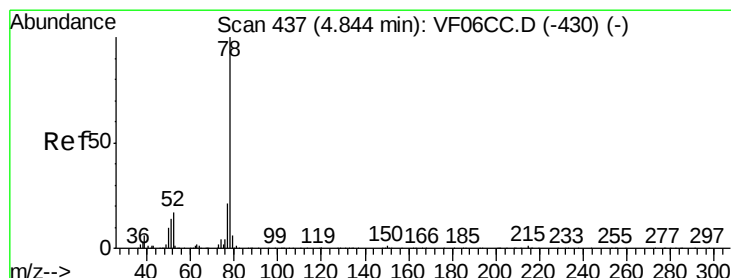
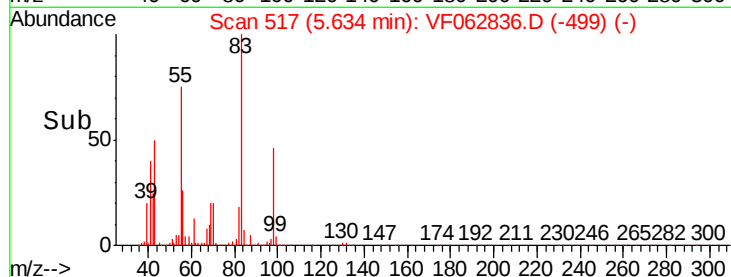
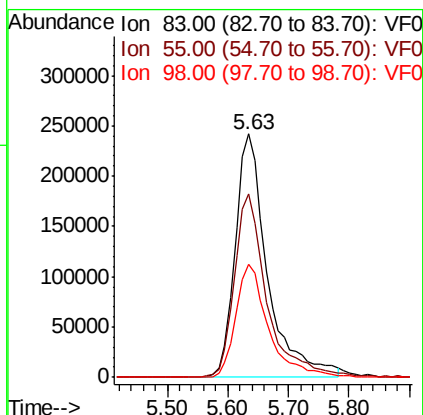
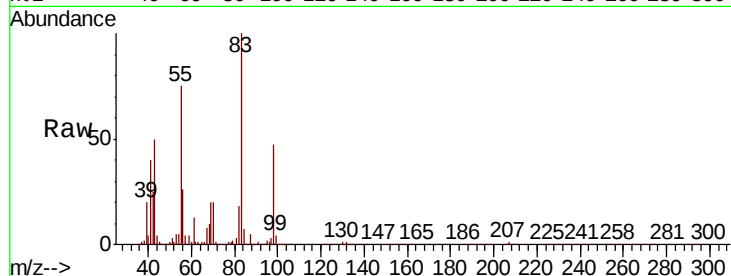




#39
Methvlcvclohexane
Concen: 51.217 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

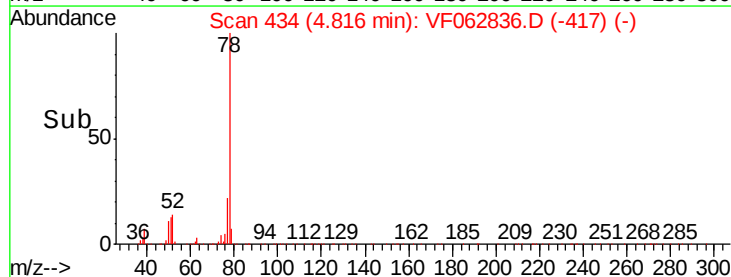
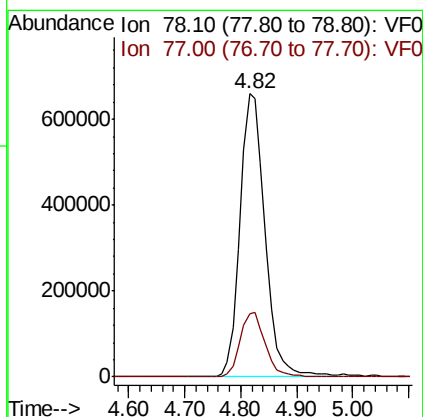
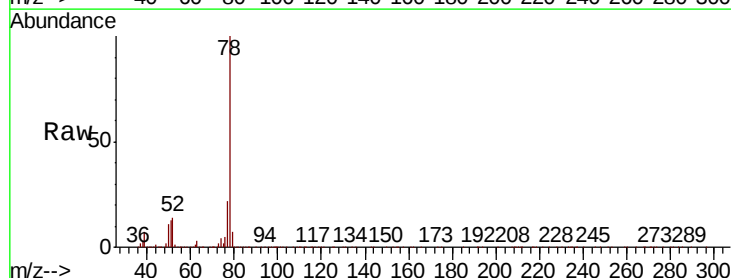
Instrument :
MSVOA_F
ClientSampleId :

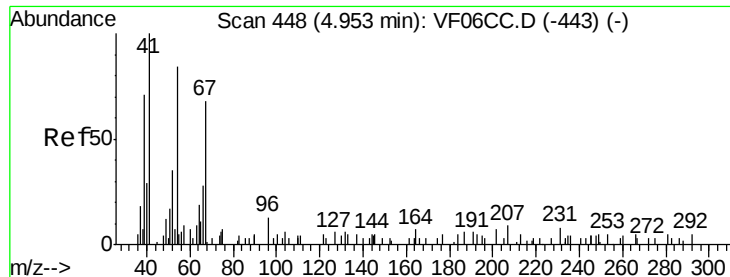
Tot Ion: 83 Resp: 897538
Ion Ratio Lower Upper
83 100
55 75.3 61.6 92.4
98 46.5 37.4 56.2



#40
Benzene
Concen: 49.670 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 78 Resp: 2035426
Ion Ratio Lower Upper
78 100
77 22.3 18.9 28.3

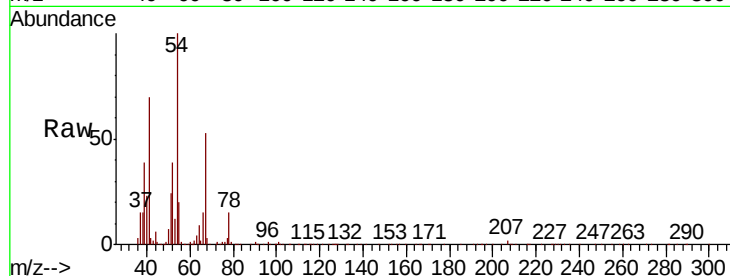




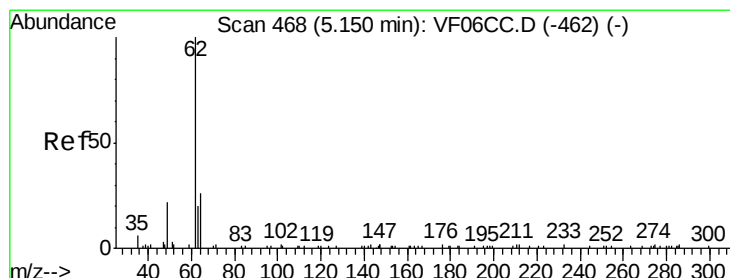
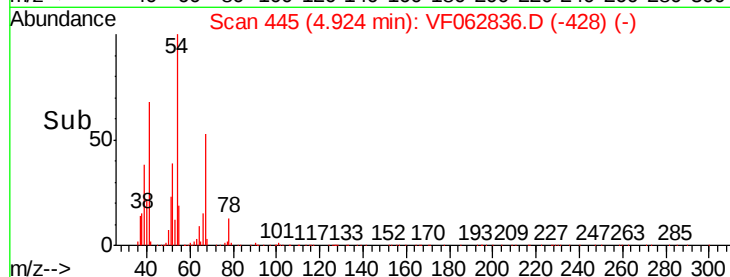
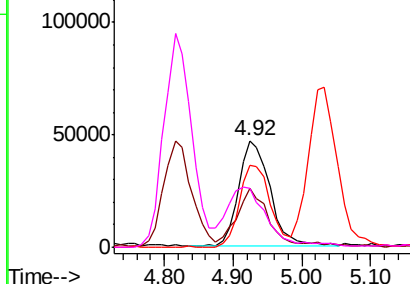
#41
Methacrylonitrile
Concen: 49.605 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	148428
Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.0	63.0
67	76.4	61.4	92.0
52	55.9	42.1	63.1

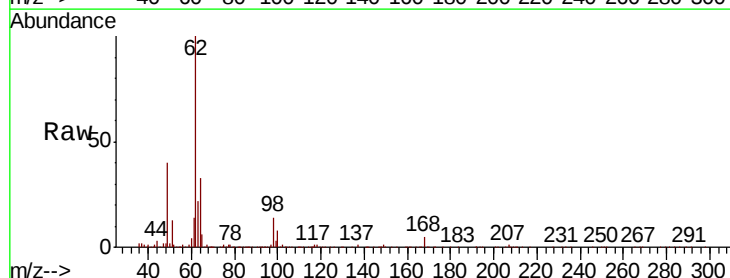


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

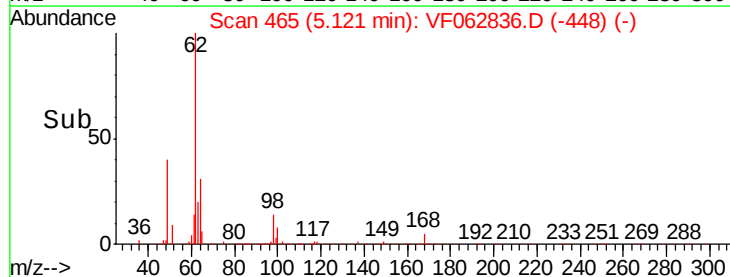
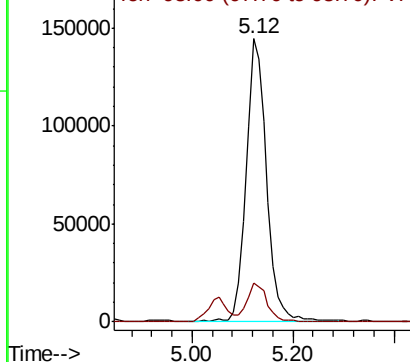


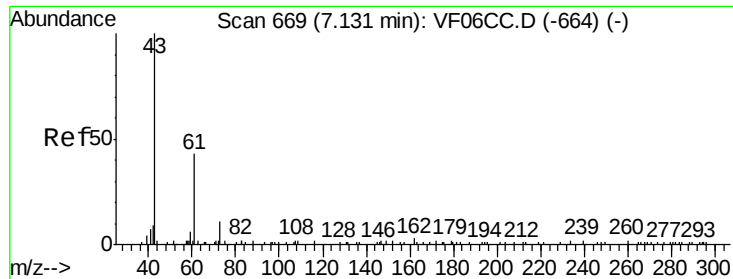
#42
1,2-Dichloroethane
Concen: 52.446 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion:	62	Resp:	408754
Ion	Ratio	Lower	Upper
62	100		
98	13.6	0.0	24.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 53.364 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

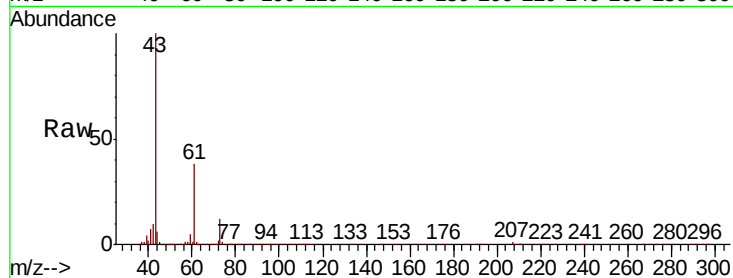
Tot Ion: 43 Resp: 379424

Ion Ratio Lower Upper

43 100

61 37.6 29.8 44.6

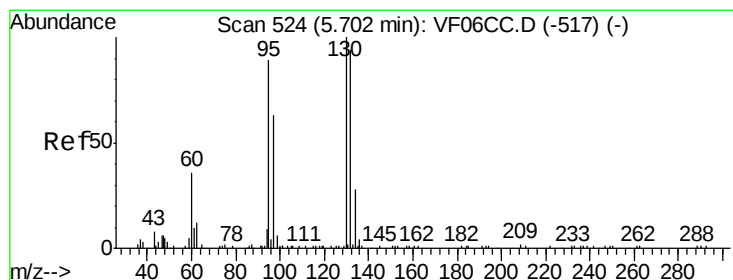
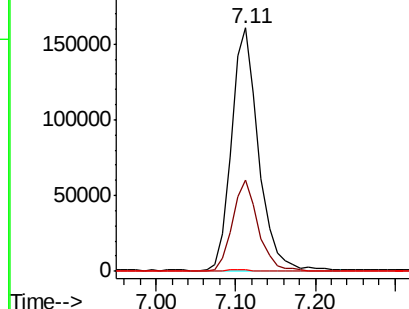
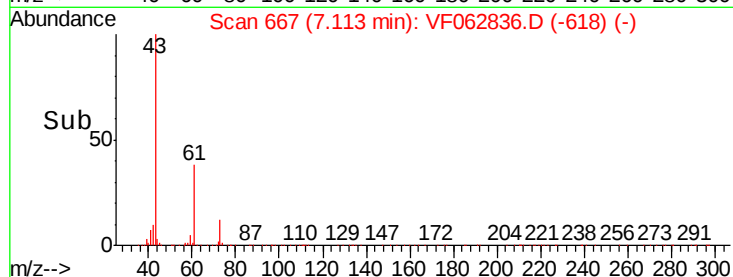
87 0.5 0.3 0.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 50.943 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.02 min

Lab File: VF062836.D

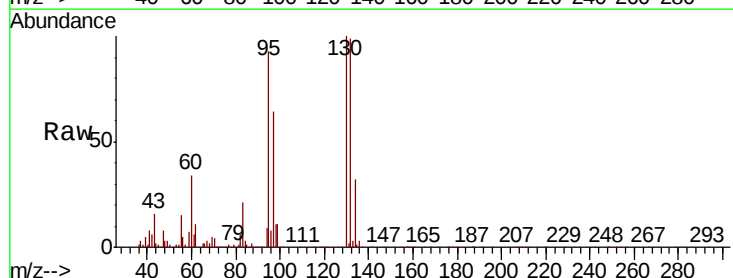
Acq: 4 Jun 2019 13:16

Tgt Ion: 130 Resp: 589157

Ion Ratio Lower Upper

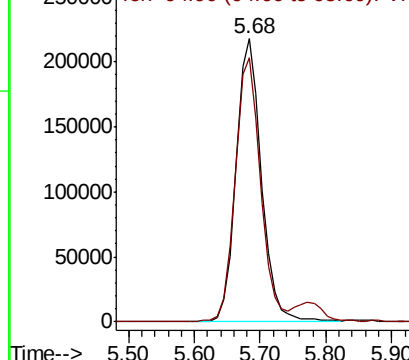
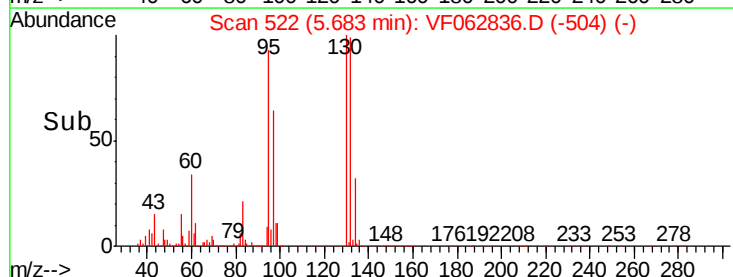
130 100

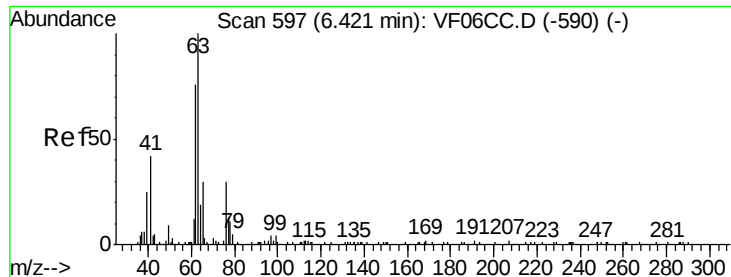
95 93.4 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.558 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

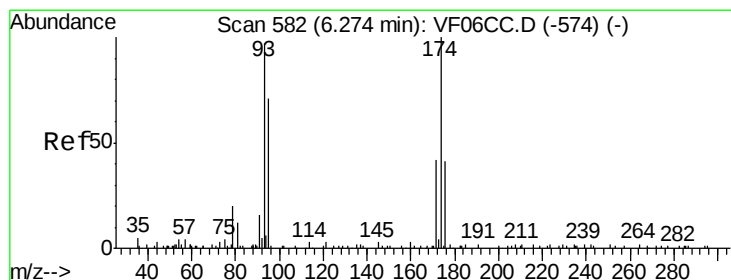
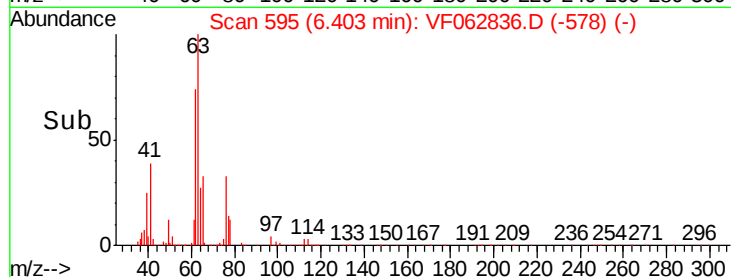
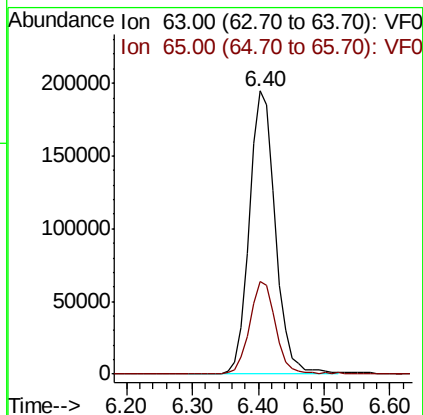
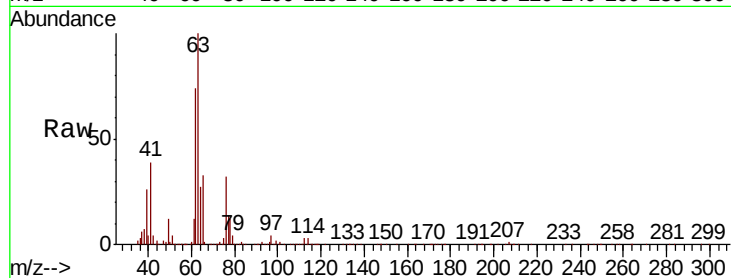
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 540474

Ion Ratio Lower Upper

63 100

65 32.9 24.2 36.2



#46

Dibromomethane

Concen: 51.913 ug/l

RT: 6.26 min Scan# 580

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

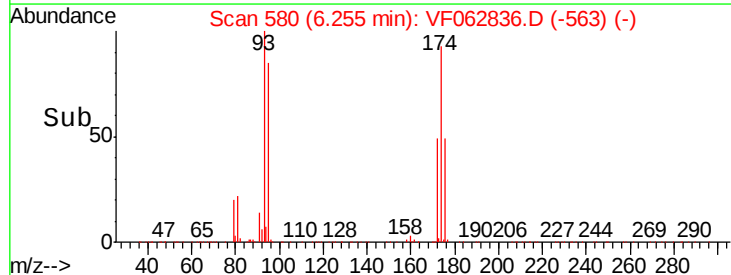
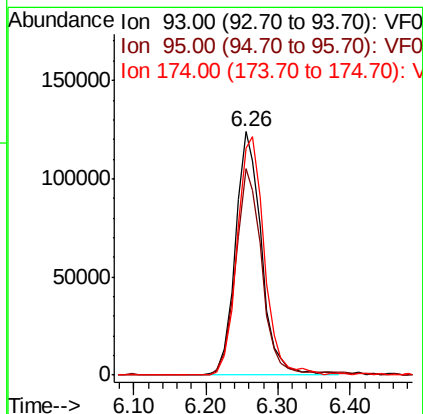
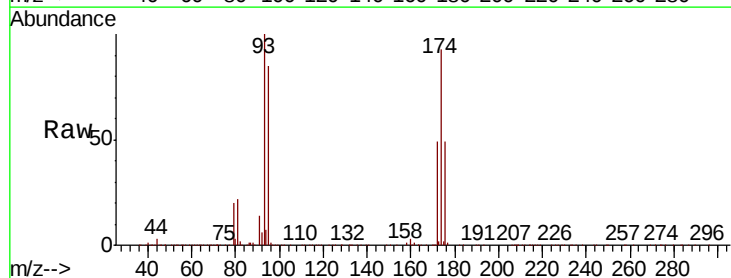
Tgt Ion: 93 Resp: 311682

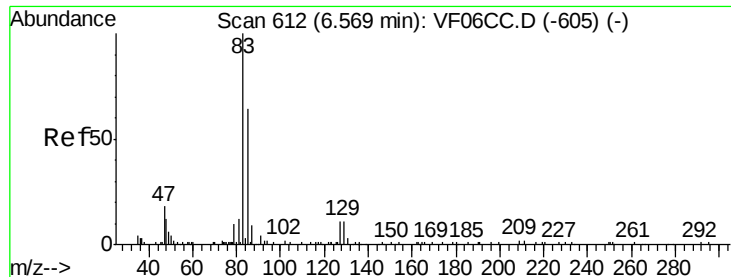
Ion Ratio Lower Upper

93 100

95 84.6 67.9 101.9

174 93.1 85.0 127.4





#47

Bromodichloromethane

Concen: 51.858 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

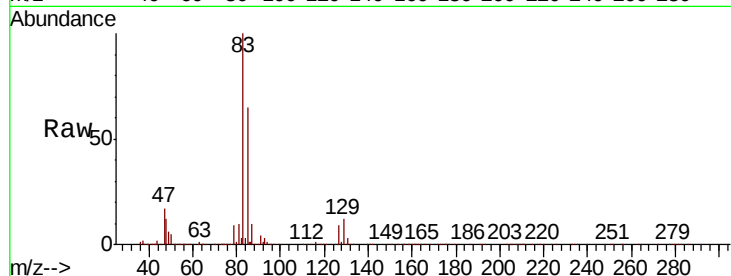
Tot Ion: 83 Resp: 634086

Ion Ratio Lower Upper

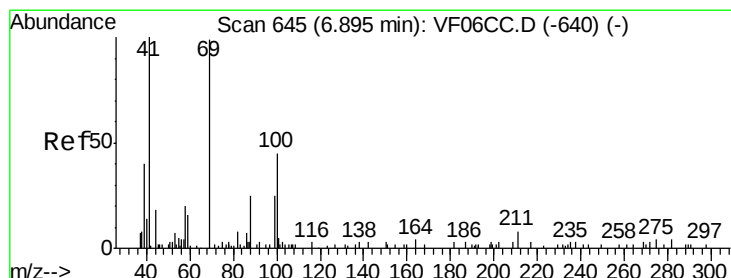
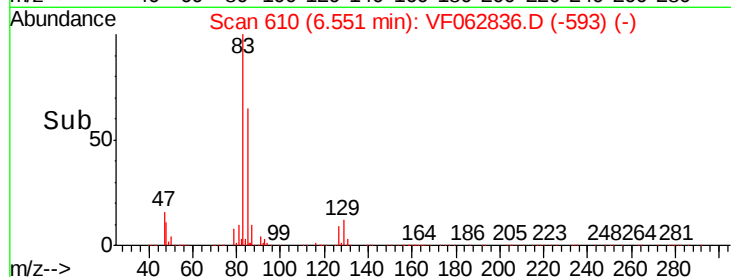
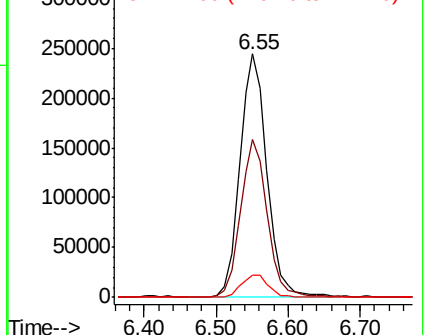
83 100

85 64.9 54.2 81.4

127 8.9 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 53.433 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

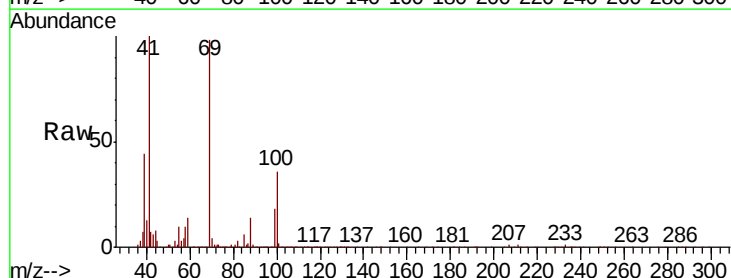
Tgt Ion: 41 Resp: 195796

Ion Ratio Lower Upper

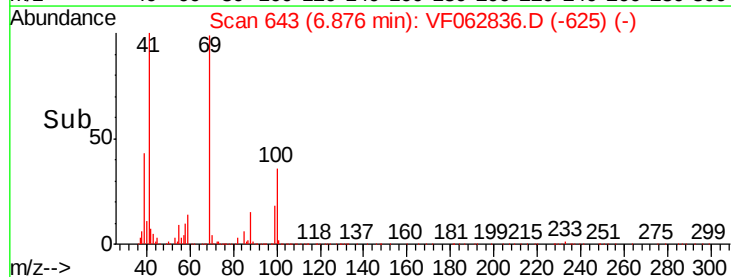
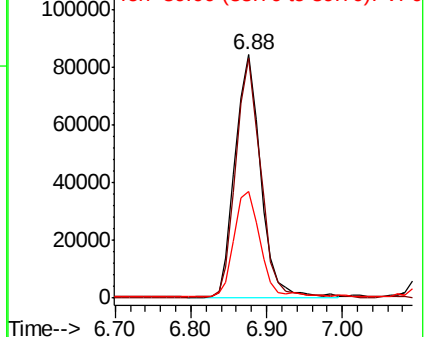
41 100

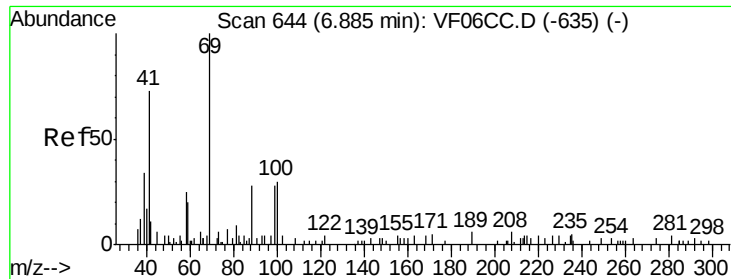
69 98.4 79.4 119.2

39 43.6 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 984.968 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

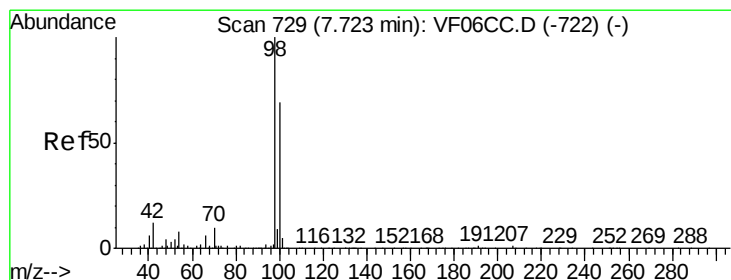
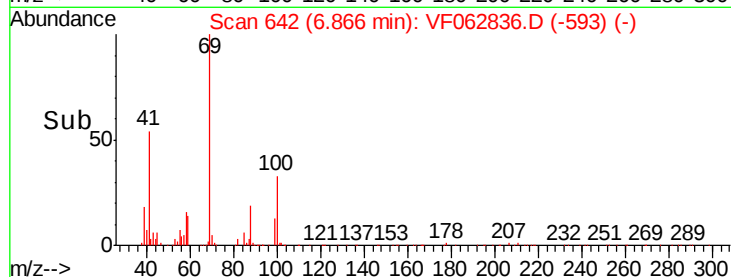
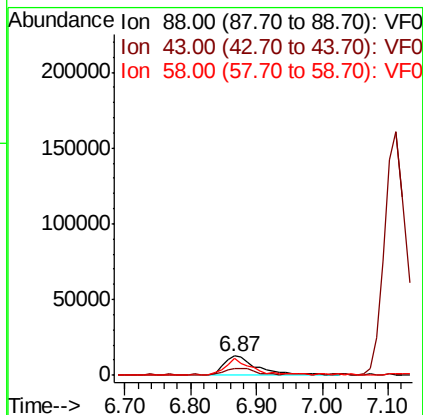
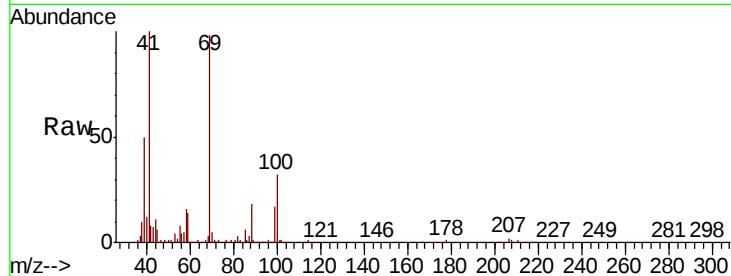
Tot Ion: 88 Resp: 47574

Ion Ratio Lower Upper

88 100

43 35.9 34.8 52.2

58 85.8 59.9 89.9



#50

Toluene-d8

Concen: 54.414 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062836.D

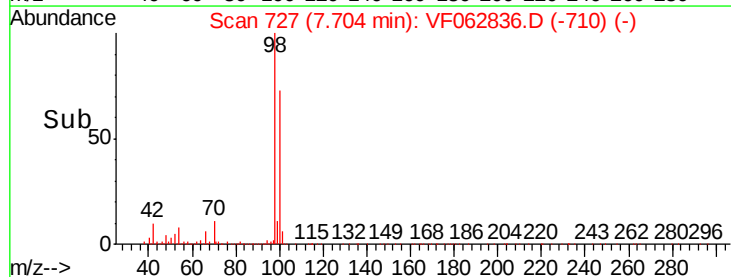
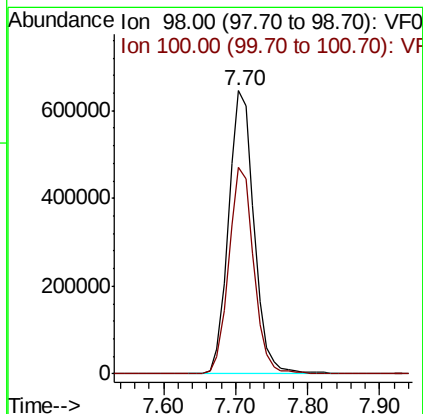
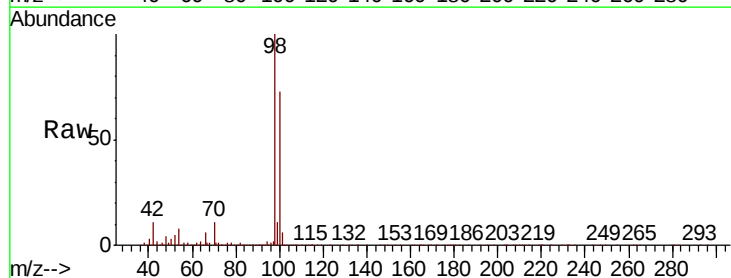
Acq: 4 Jun 2019 13:16

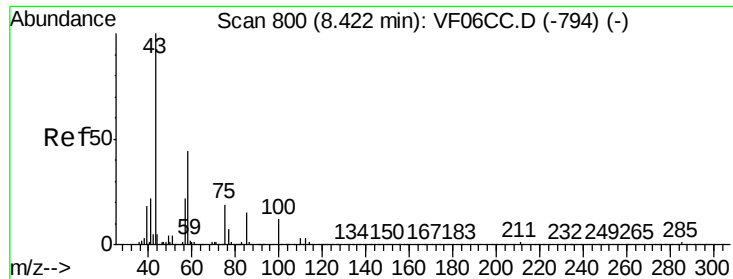
Tgt Ion: 98 Resp: 1590333

Ion Ratio Lower Upper

98 100

100 73.1 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 264.264 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

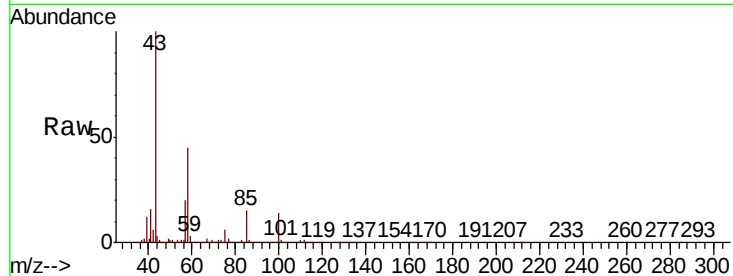
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1341466

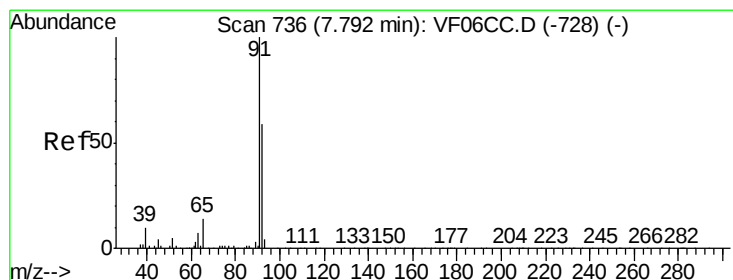
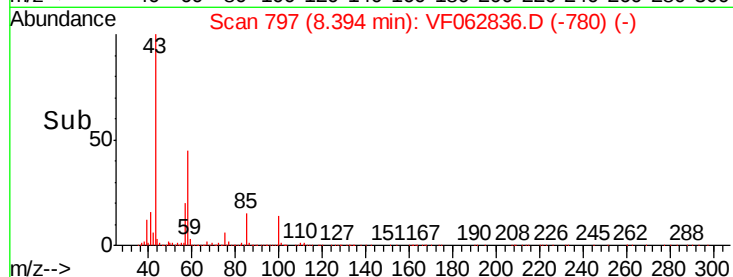
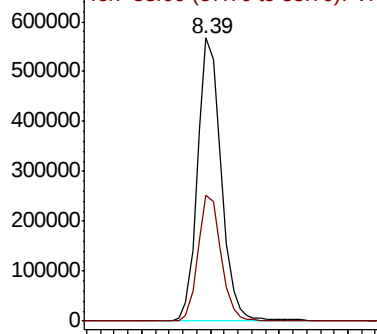
Ion Ratio Lower Upper

43 100

58 44.6 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.467 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.03 min

Lab File: VF062836.D

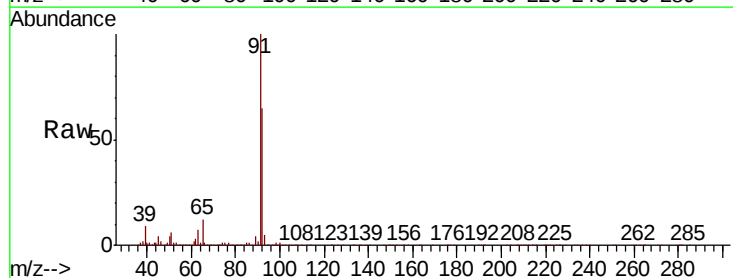
Acq: 4 Jun 2019 13:16

Tgt Ion: 92 Resp: 1180112

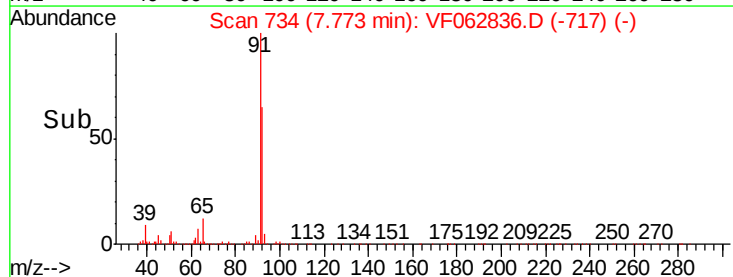
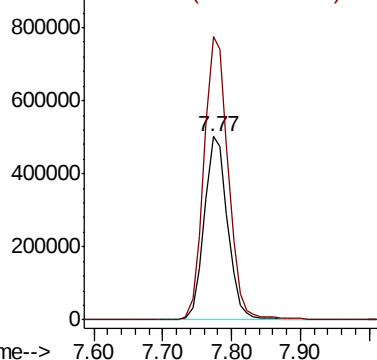
Ion Ratio Lower Upper

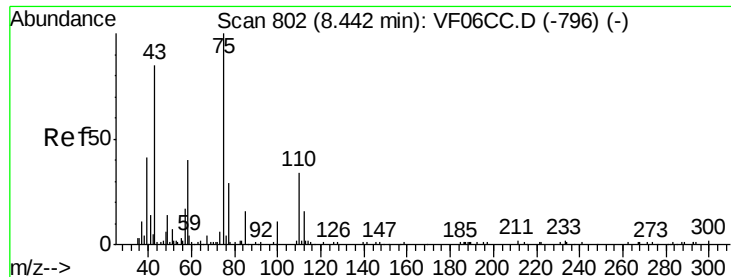
92 100

91 154.3 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 55.429 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

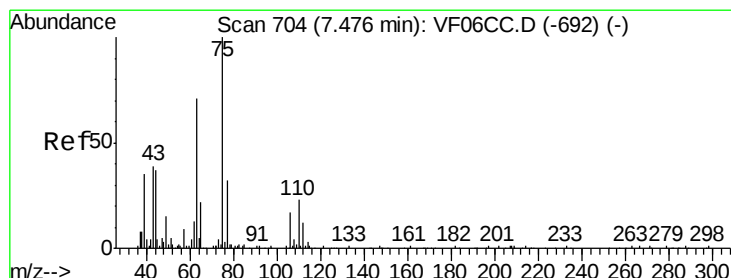
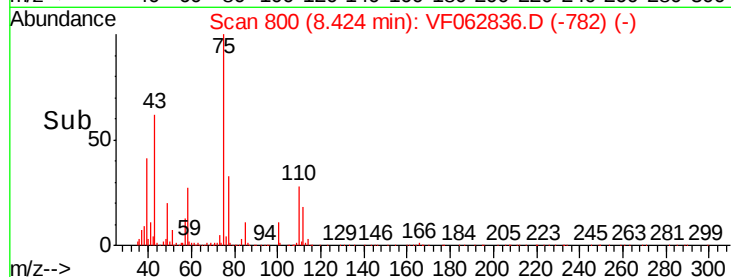
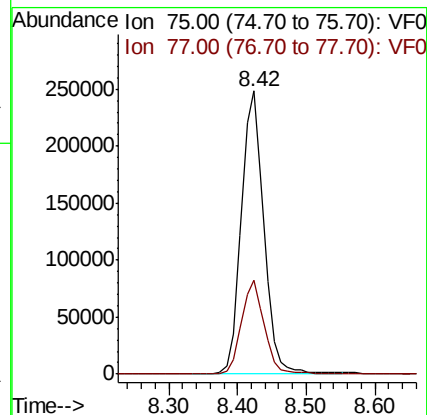
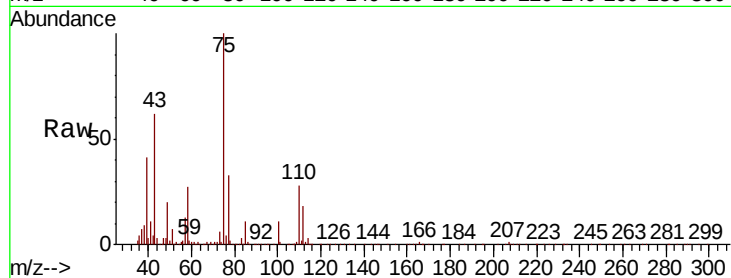
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 561613

Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 53.718 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

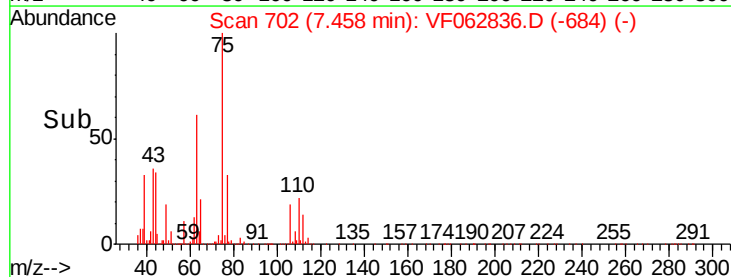
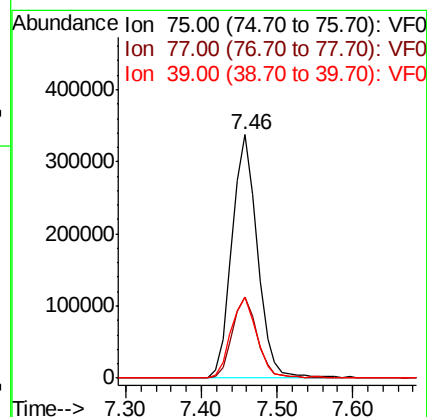
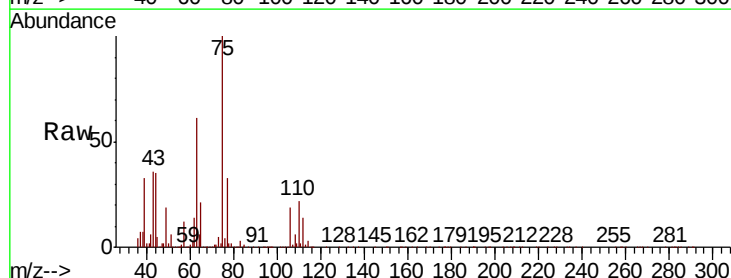
Tgt Ion: 75 Resp: 787852

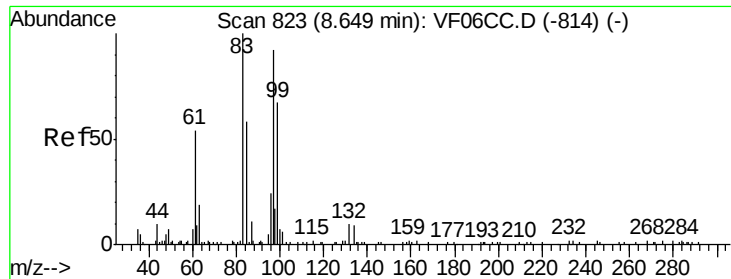
Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8

39 33.4 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 53.784 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 354647

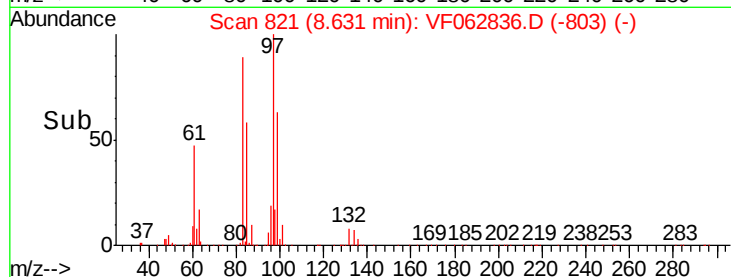
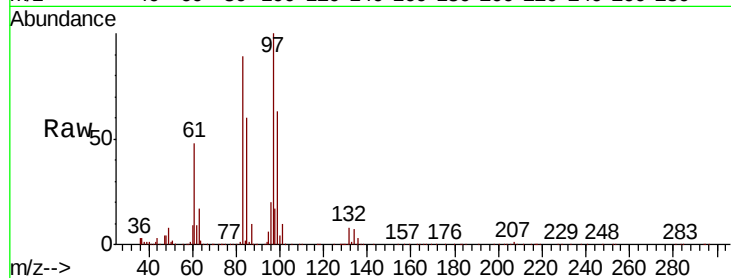
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.0	108.0
85	59.8	47.5	71.3
99	63.1	54.1	81.1

97 100

83 89.4 72.0 108.0

85 59.8 47.5 71.3

99 63.1 54.1 81.1

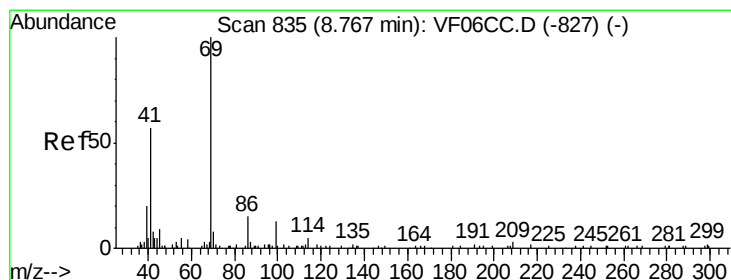
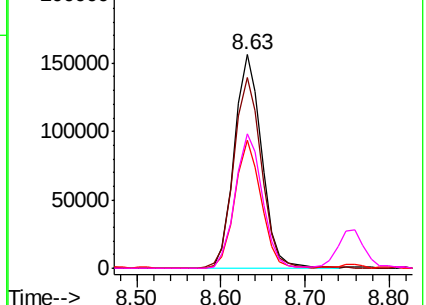


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 54.895 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

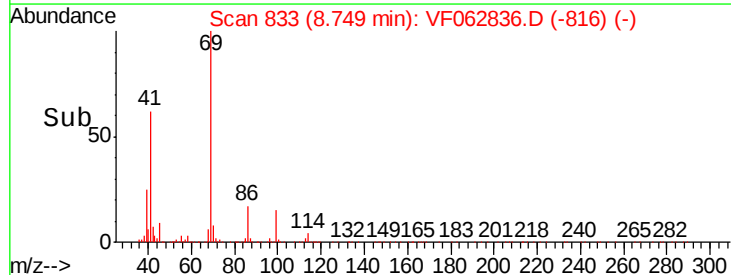
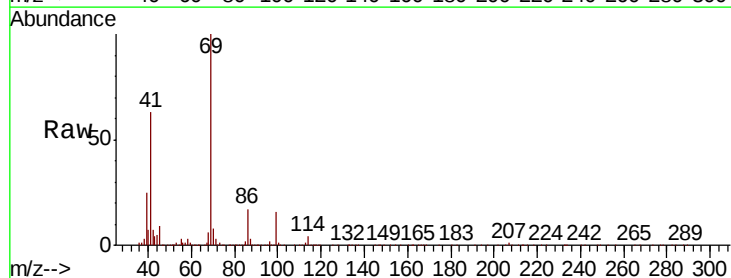
Tgt Ion: 69 Resp: 388382

Ion	Ratio	Lower	Upper
69	100		
41	62.5	46.6	69.8
39	25.2	19.6	29.4

69 100

41 62.5 46.6 69.8

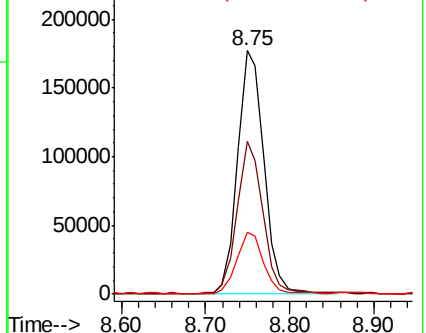
39 25.2 19.6 29.4

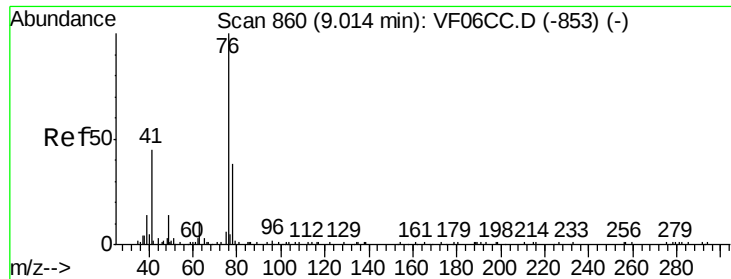


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.118 ug/l

RT: 9.00 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

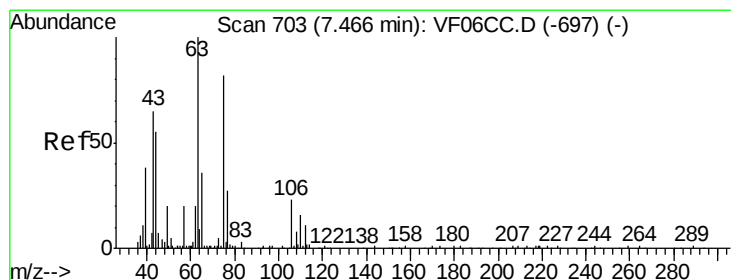
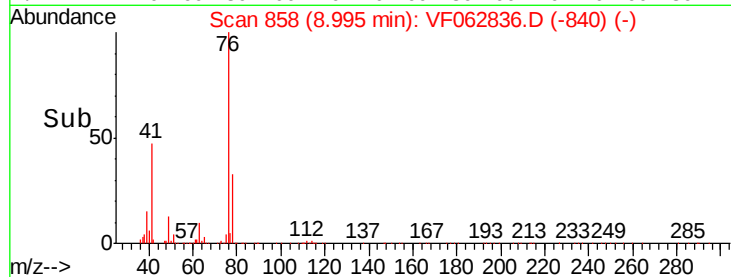
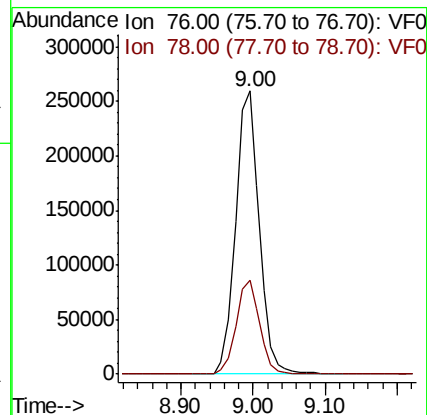
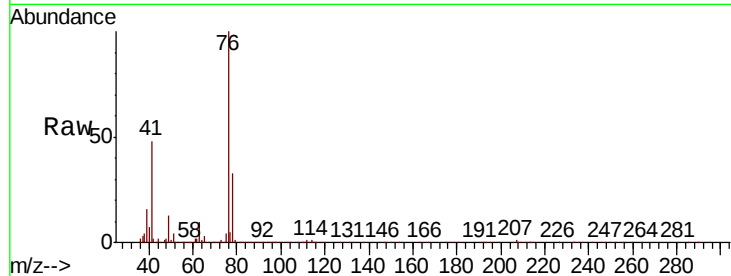
ClientSampled :

Tot Ion: 76 Resp: 593500

Ion Ratio Lower Upper

76 100

78 33.3 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 257.279 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062836.D

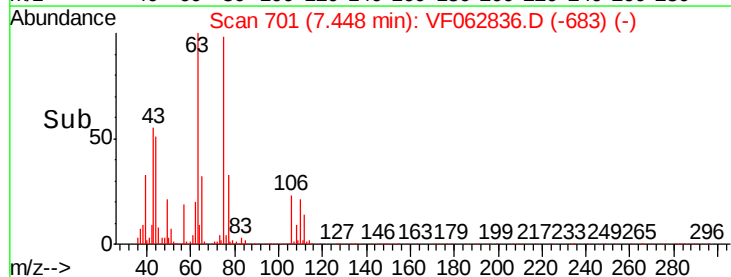
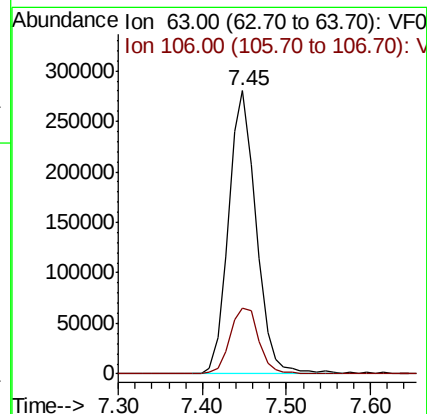
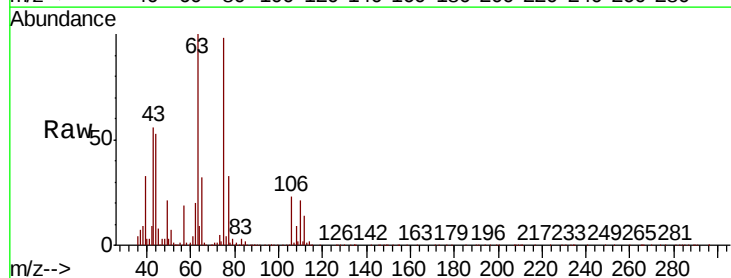
Acq: 4 Jun 2019 13:16

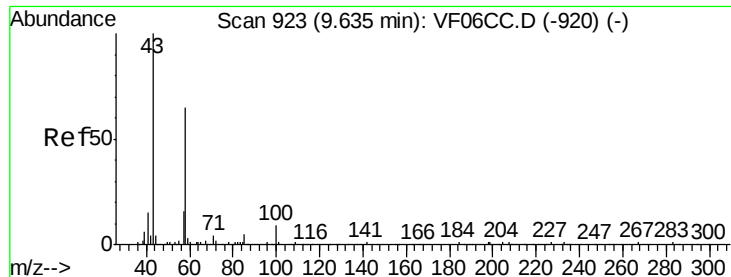
Tgt Ion: 63 Resp: 636159

Ion Ratio Lower Upper

63 100

106 23.2 19.5 29.3

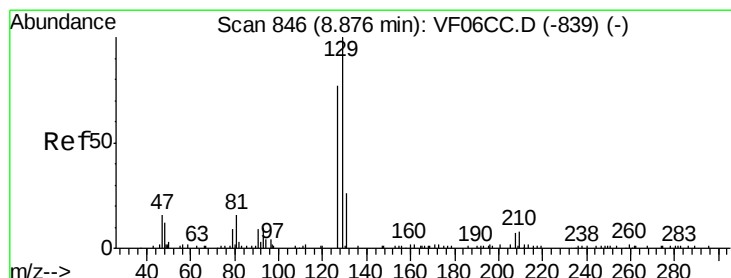
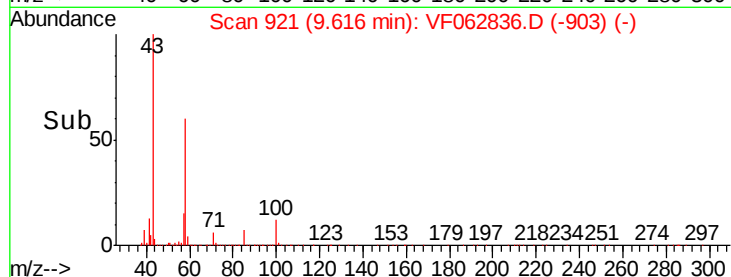
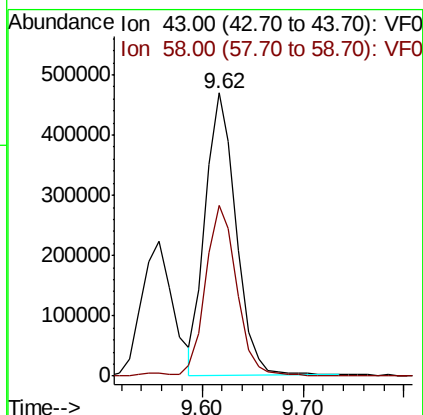
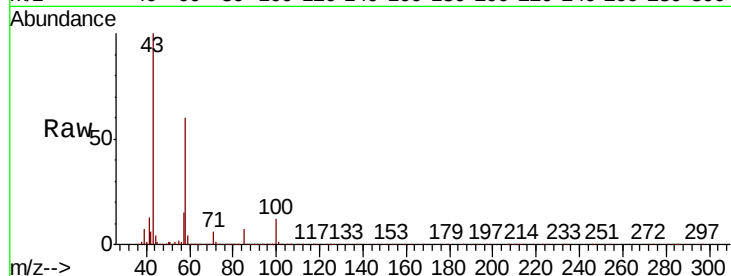




#59
2-Hexanone
Concen: 274.776 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

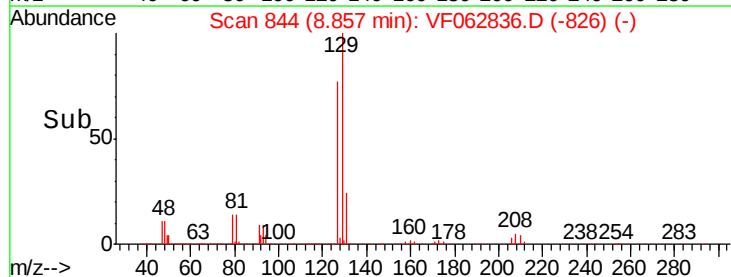
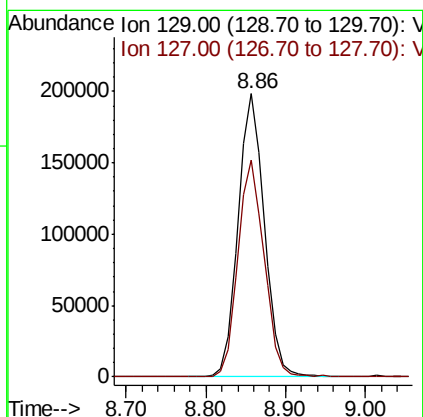
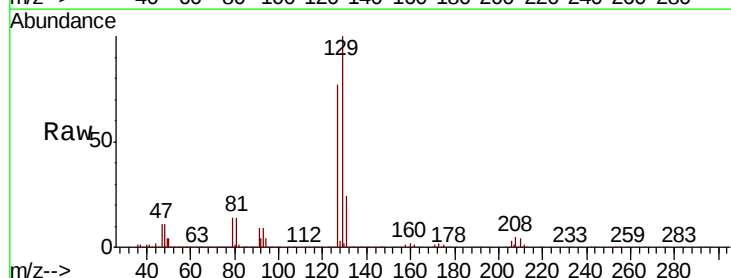
Instrument :
MSVOA_F
ClientSampleId :

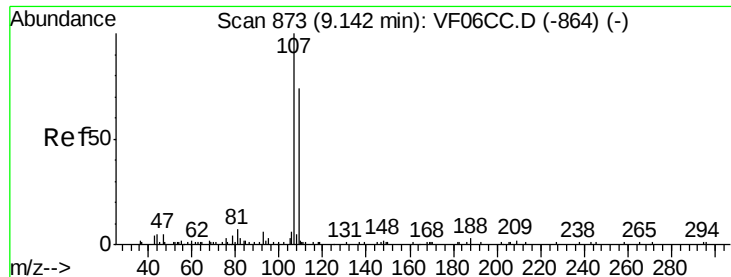
Tot Ion: 43 Resp: 994188
Ion Ratio Lower Upper
43 100
58 60.3 29.3 87.9



#60
Dibromochloromethane
Concen: 55.527 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 129 Resp: 453298
Ion Ratio Lower Upper
129 100
127 76.7 37.1 111.3





#61

1,2-Dibromoethane

Concen: 54.399 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

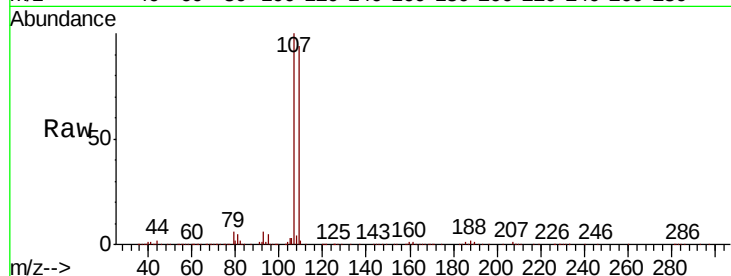
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 372528

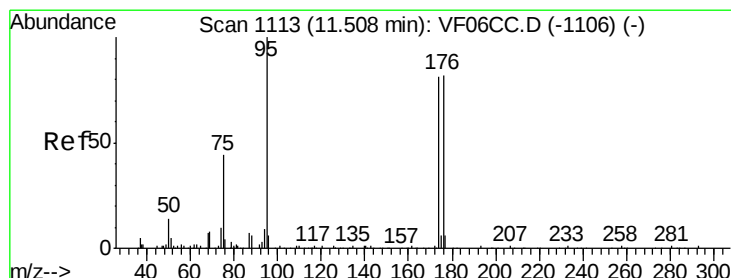
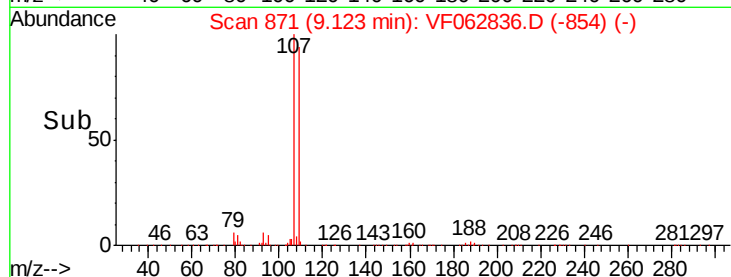
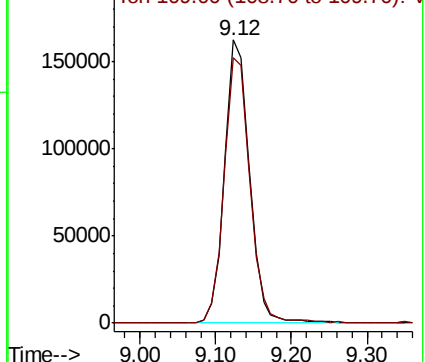
Ion Ratio Lower Upper

107 100

109 93.8 78.1 117.1



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



#62

4-Bromofluorobenzene

Concen: 53.550 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

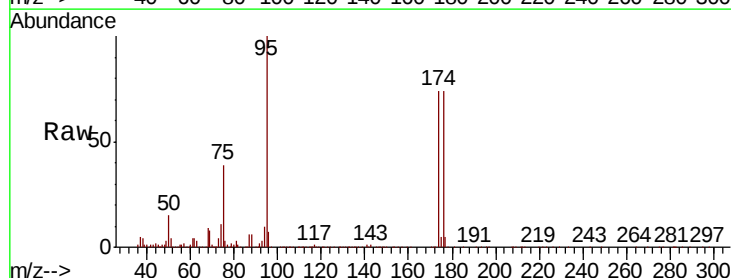
Tgt Ion: 95 Resp: 562972

Ion Ratio Lower Upper

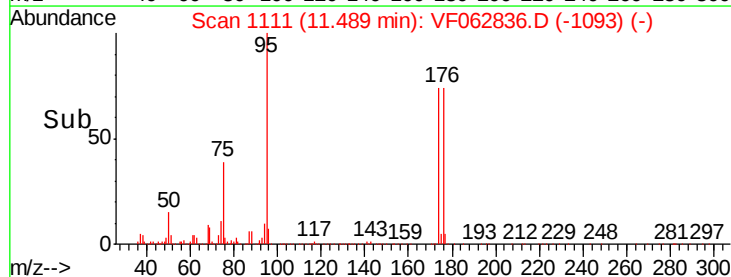
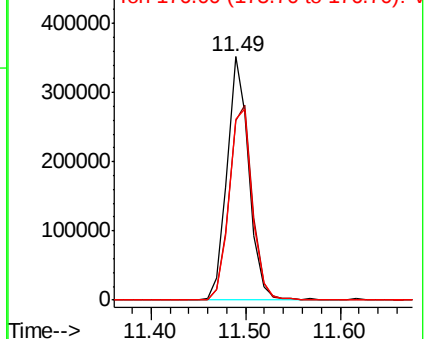
95 100

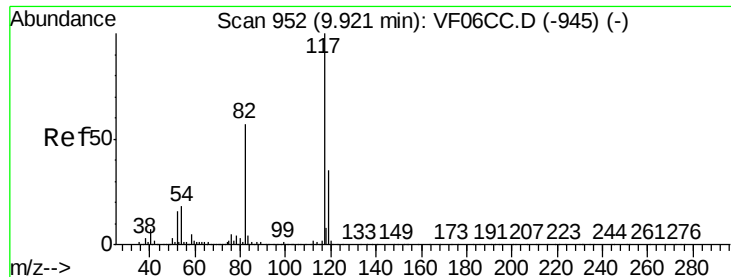
174 73.5 0.0 170.6

176 74.4 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

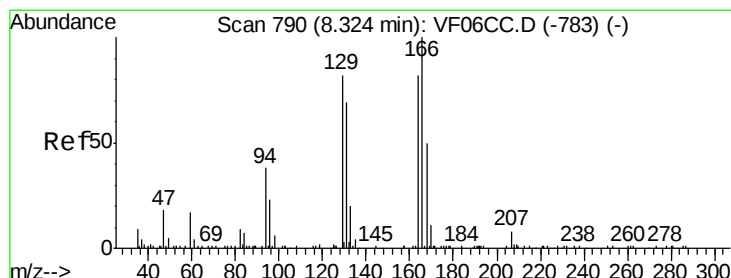
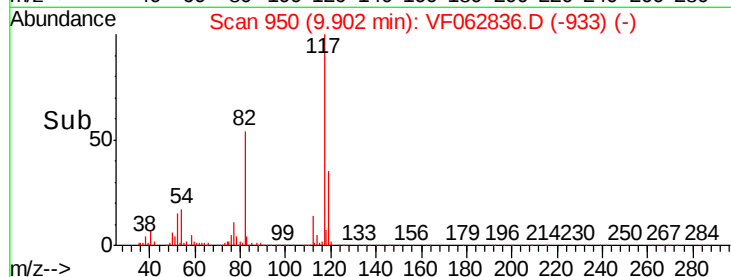
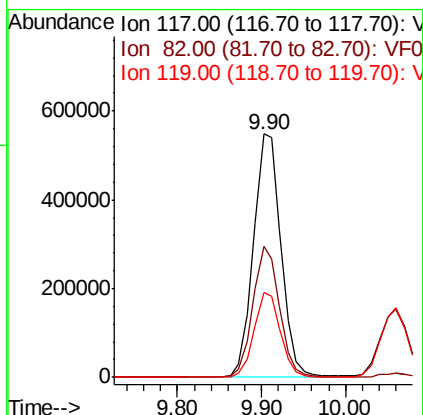
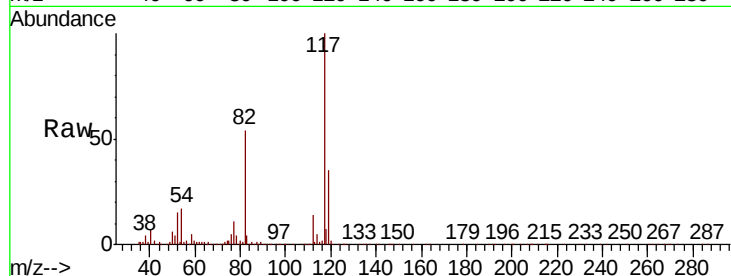




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

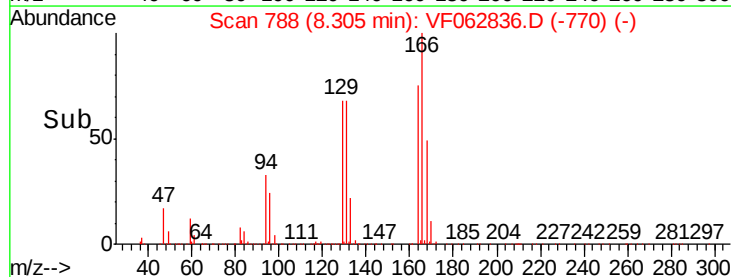
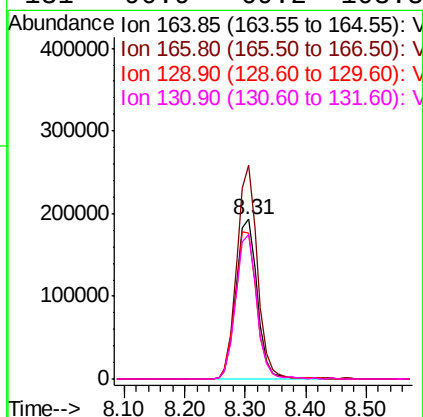
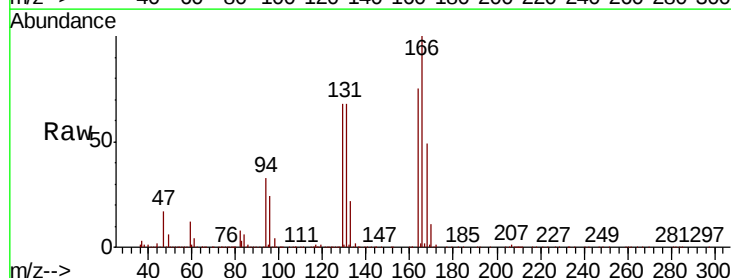
Instrument :
MSVOA_F
ClientSampleId :

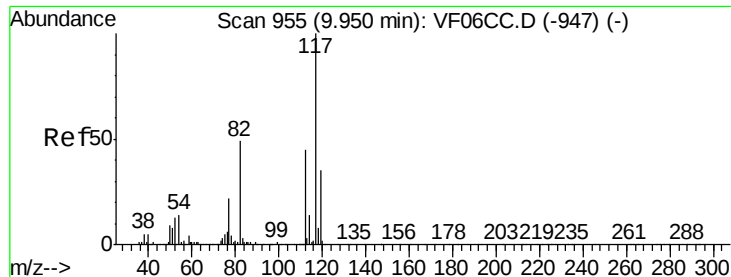
Tot Ion:117 Resp: 1265664
Ion Ratio Lower Upper
117 100
82 53.8 42.4 63.6
119 34.7 27.1 40.7



#64
Tetrachloroethene
Concen: 48.647 ug/l
RT: 8.31 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion:164 Resp: 473135
Ion Ratio Lower Upper
164 100
166 133.7 99.1 148.7
129 91.0 69.5 104.3
131 90.9 69.2 103.8





#65

Chlorobenzene

Concen: 49.557 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

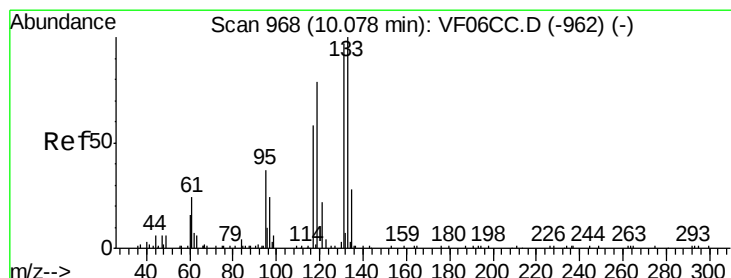
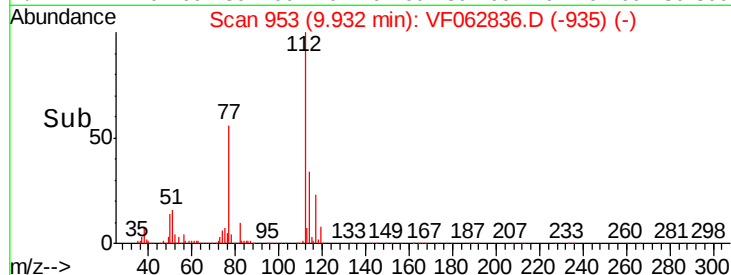
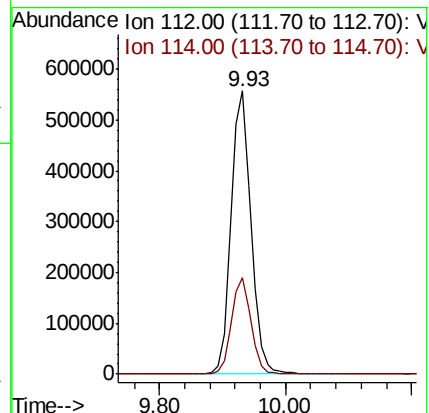
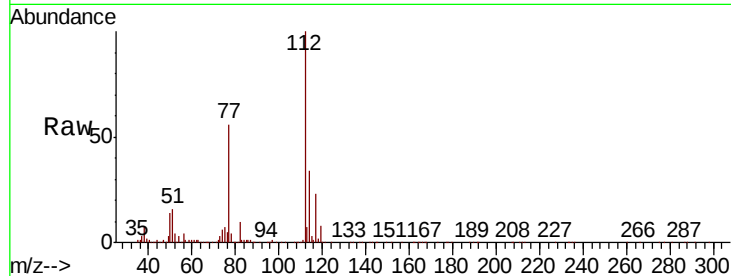
ClientSampleId :

Tot Ion:112 Resp: 1211269

Ion Ratio Lower Upper

112 100

114 34.1 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 48.391 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

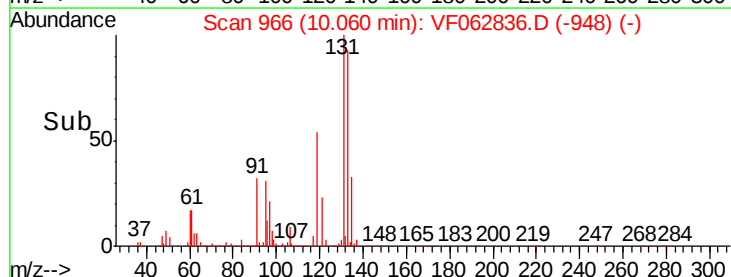
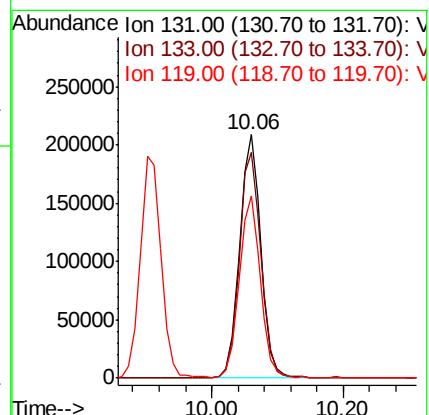
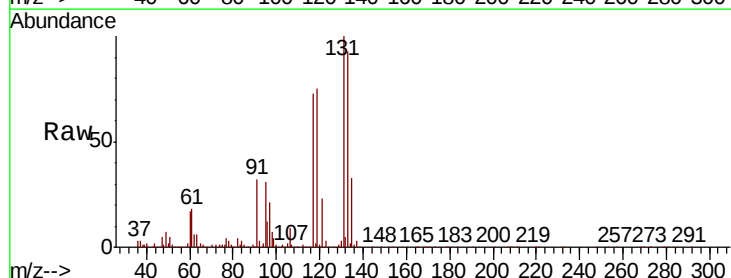
Tgt Ion:131 Resp: 471052

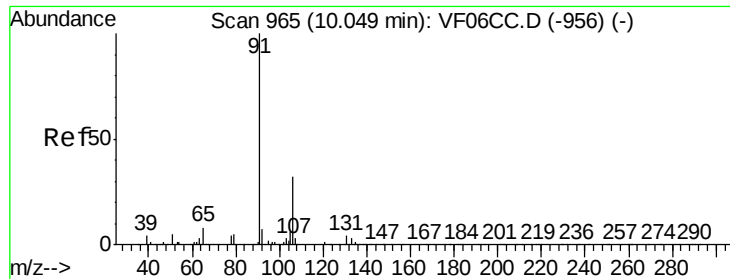
Ion Ratio Lower Upper

131 100

133 92.8 48.9 146.7

119 74.6 38.0 114.0





#67

Ethyl Benzene

Concen: 47.873 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

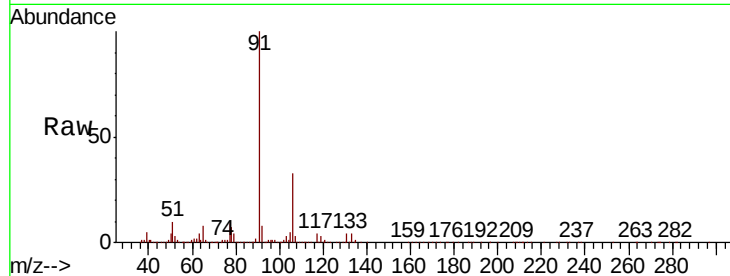
ClientSampleId :

Tot Ion: 91 Resp: 2007969

Ion Ratio Lower Upper

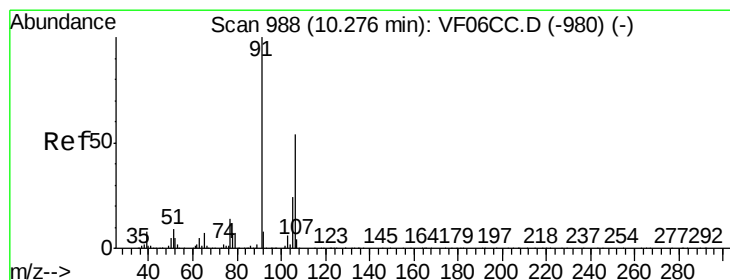
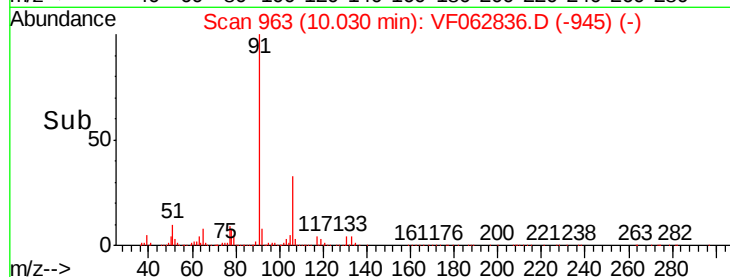
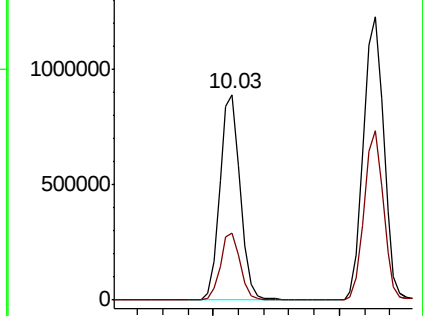
91 100

106 32.7 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 95.858 ug/l

RT: 10.26 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062836.D

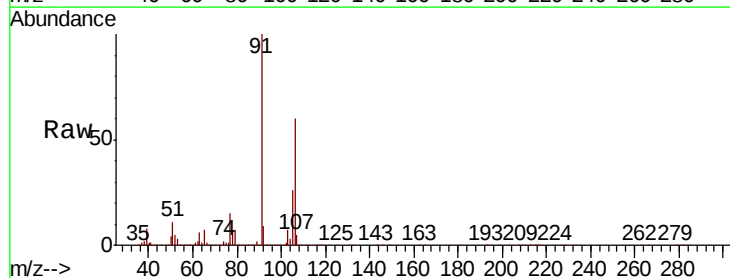
Acq: 4 Jun 2019 13:16

Tgt Ion: 106 Resp: 1538544

Ion Ratio Lower Upper

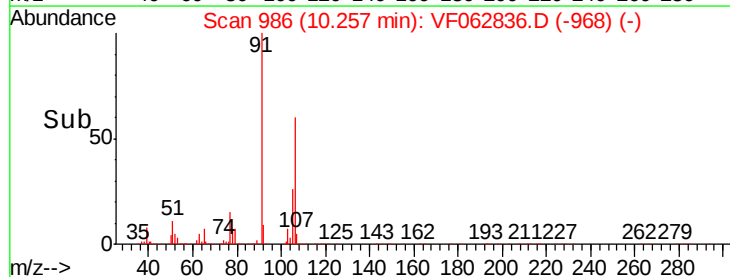
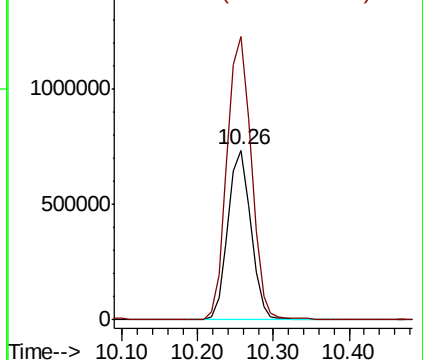
106 100

91 166.6 136.2 204.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

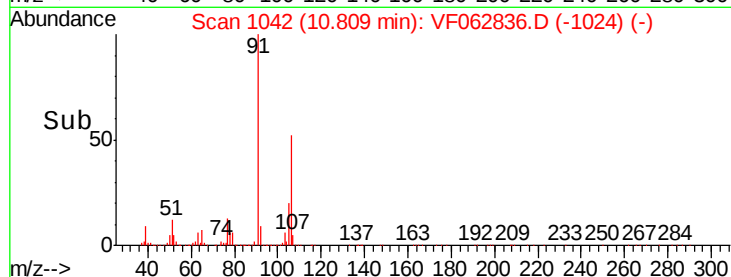
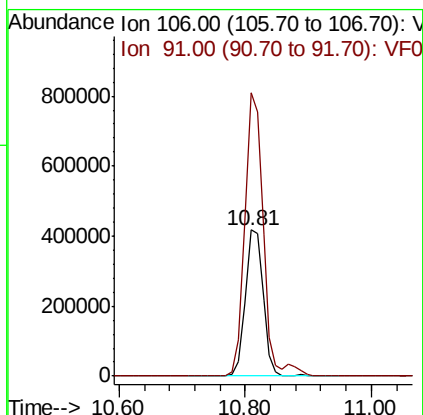
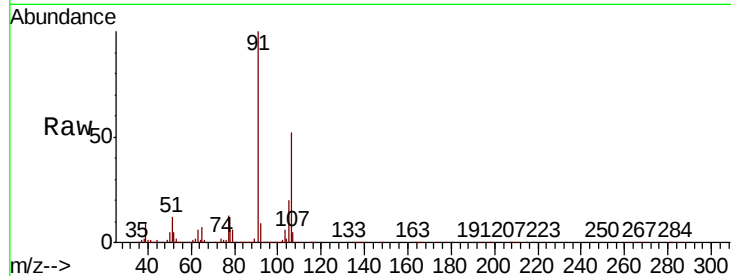




#69
o-Xylene
Concen: 50.337 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

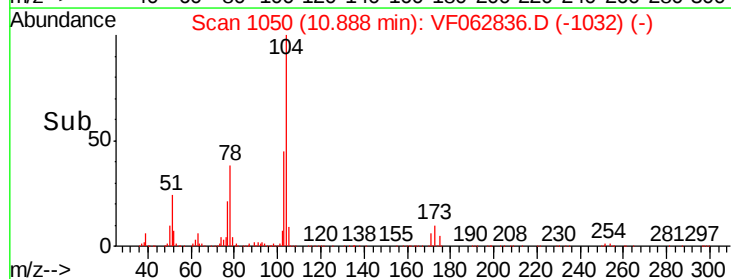
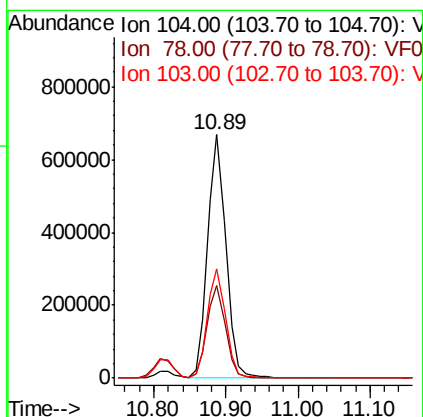
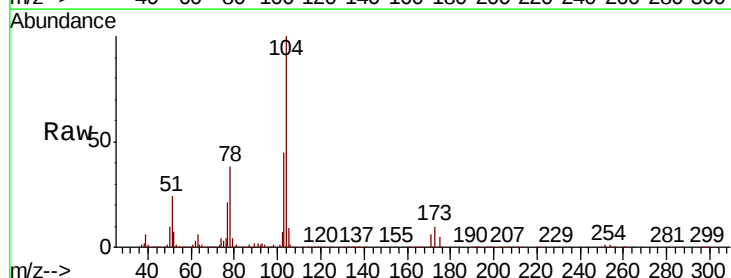
Instrument :
MSVOA_F
ClientSampled :

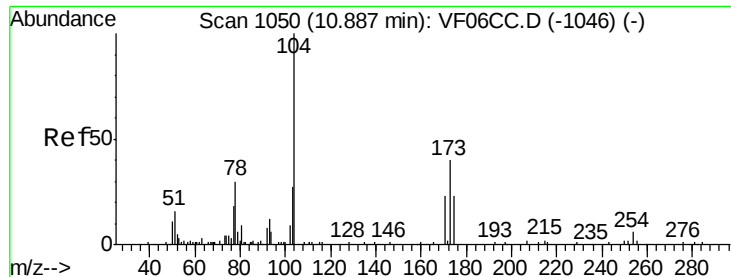
Tot Ion:106 Resp: 817993
Ion Ratio Lower Upper
106 100
91 193.7 96.6 289.8



#70
Styrene
Concen: 49.046 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion:104 Resp: 1174743
Ion Ratio Lower Upper
104 100
78 38.2 30.8 46.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 52.014 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

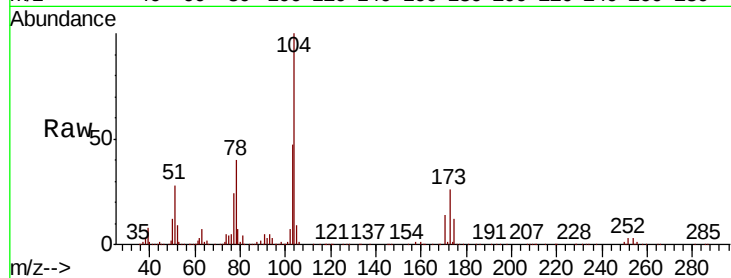
Tot Ion:173 Resp: 242888

Ion Ratio Lower Upper

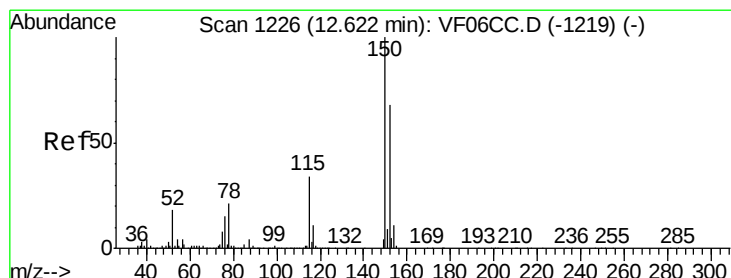
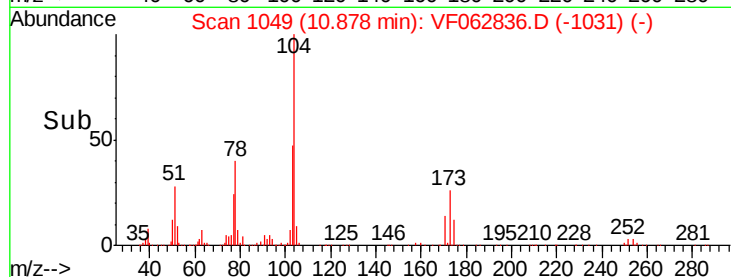
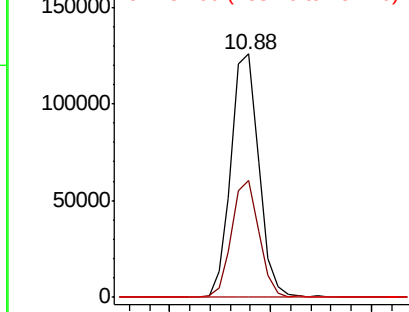
173 100

175 47.9 24.6 74.0

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

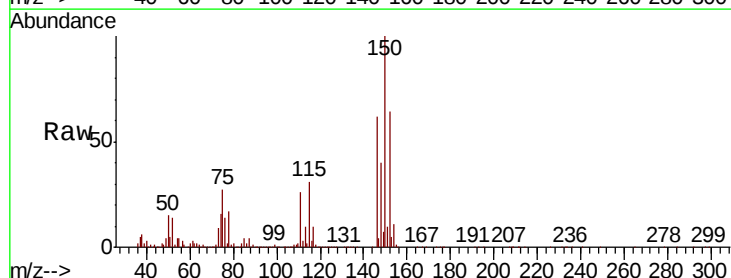
Tgt Ion:152 Resp: 598559

Ion Ratio Lower Upper

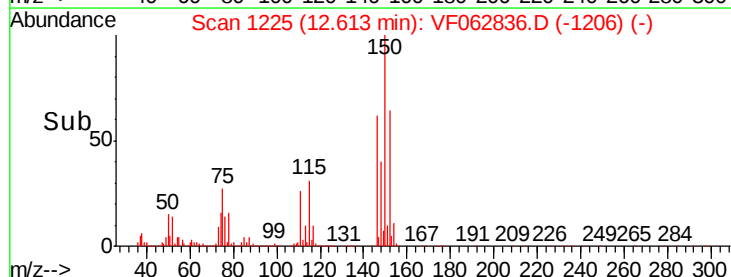
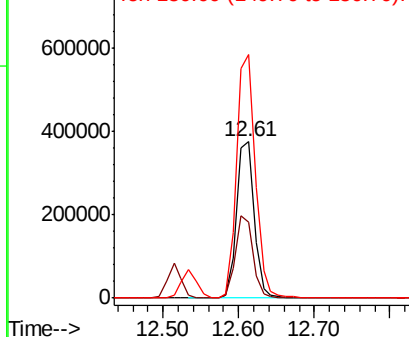
152 100

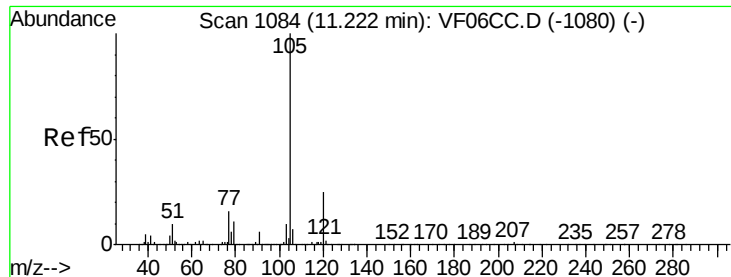
115 48.3 24.6 74.0

150 155.7 0.0 290.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.821 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

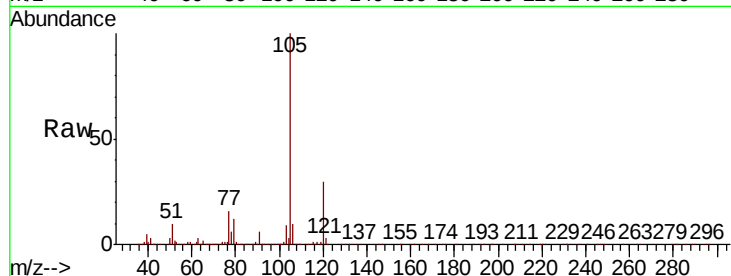
ClientSampleId :

Tot Ion:105 Resp: 2039005

Ion Ratio Lower Upper

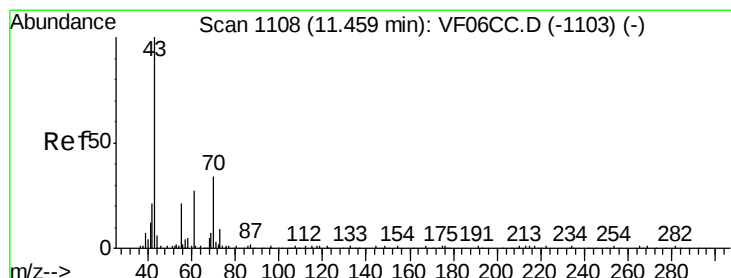
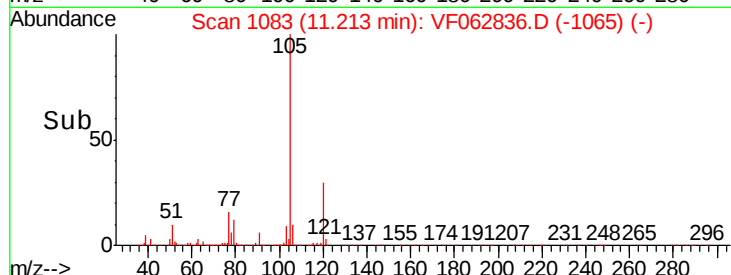
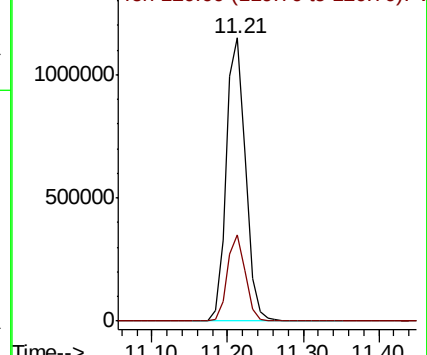
105 100

120 30.4 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.210 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Tgt Ion: 43 Resp: 555721

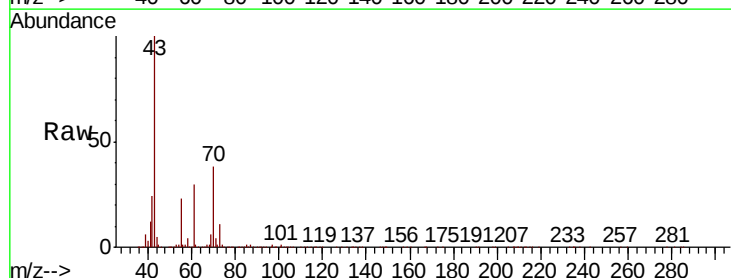
Ion Ratio Lower Upper

43 100

70 38.4 32.9 49.3

55 22.6 17.3 25.9

61 29.5 23.7 35.5

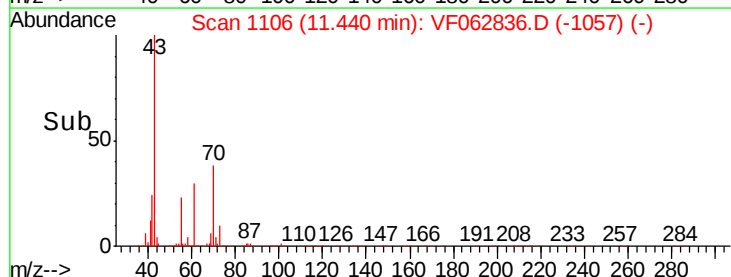
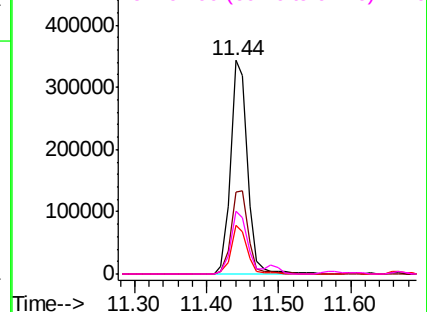


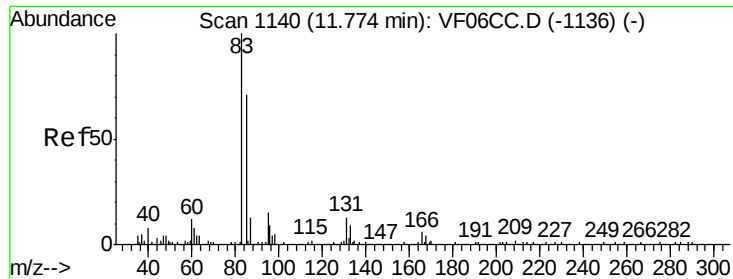
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.080 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

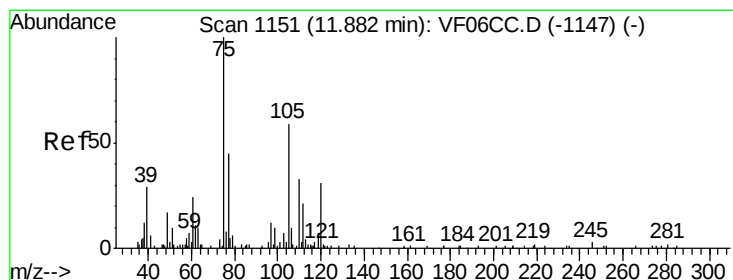
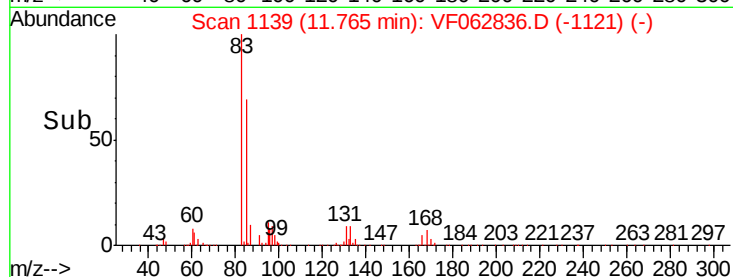
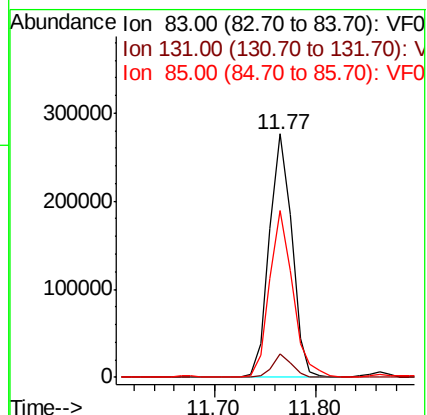
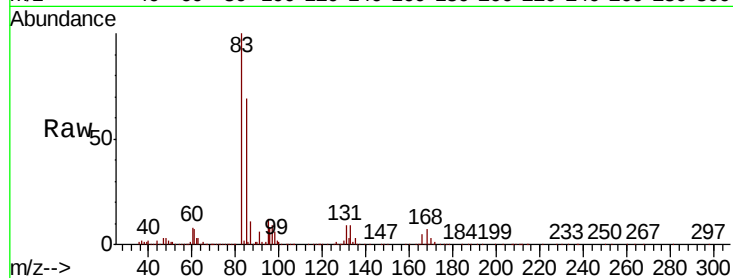
Tot Ion: 83 Resp: 428828

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

85 68.7 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 48.222 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062836.D

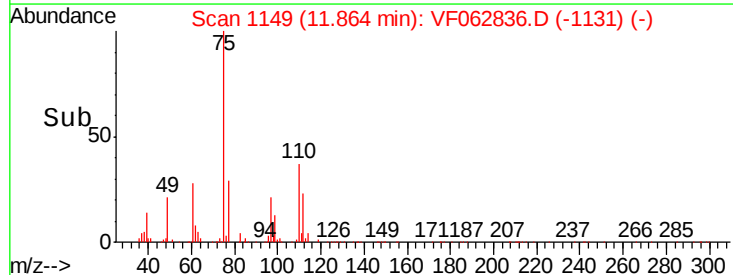
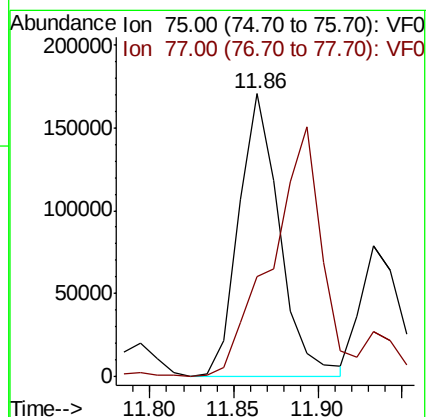
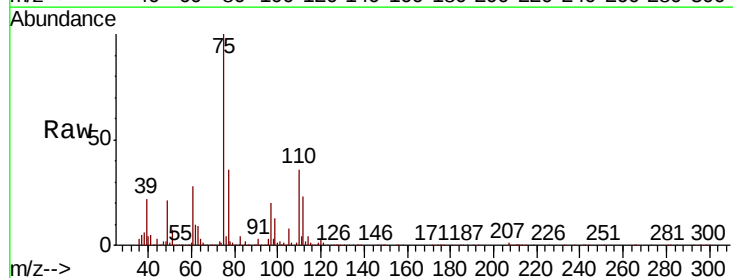
Acq: 4 Jun 2019 13:16

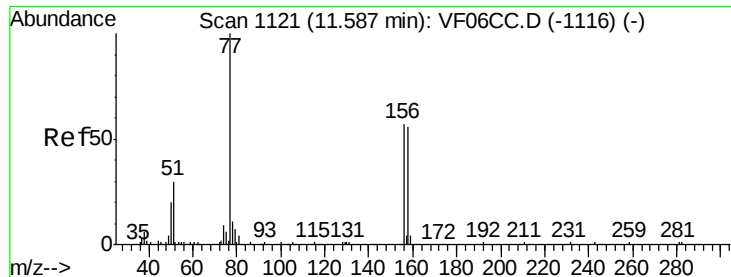
Tgt Ion: 75 Resp: 285092

Ion Ratio Lower Upper

75 100

77 35.6 20.1 60.2





#77

Bromobenzene

Concen: 49.822 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

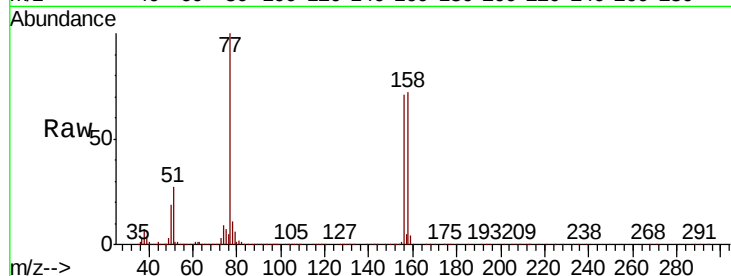
Tot Ion:156 Resp: 522829

Ion Ratio Lower Upper

156 100

77 140.3 64.2 192.6

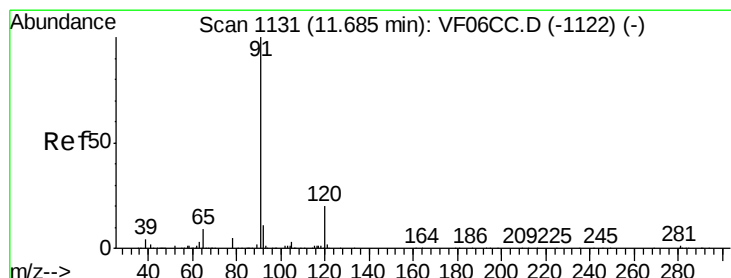
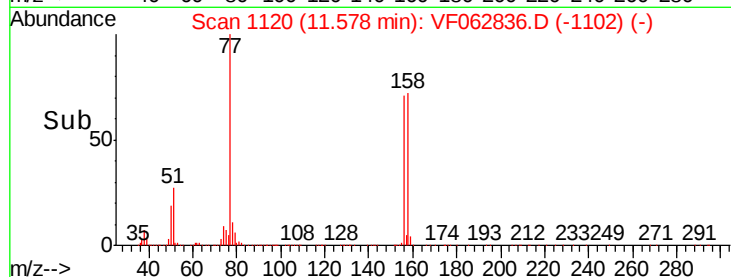
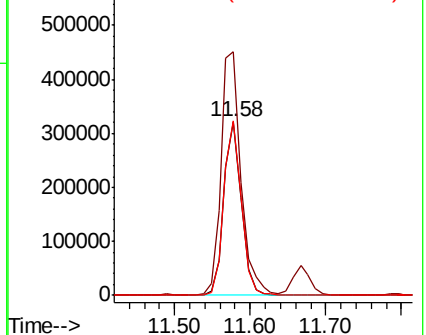
158 100.4 50.3 151.0



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: 47.103 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062836.D

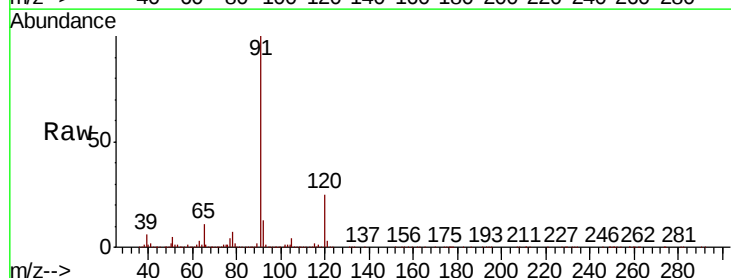
Acq: 4 Jun 2019 13:16

Tgt Ion: 91 Resp: 2375321

Ion Ratio Lower Upper

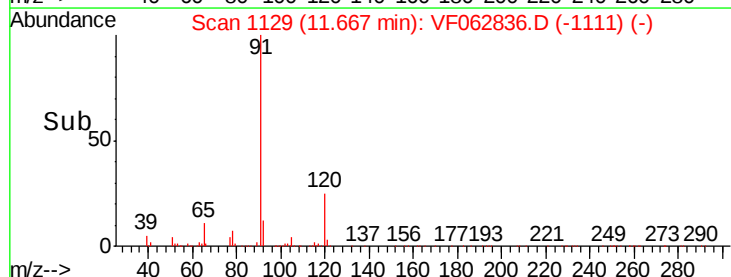
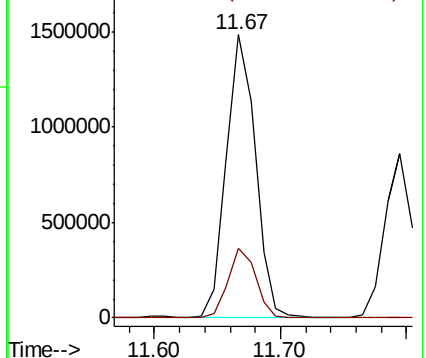
91 100

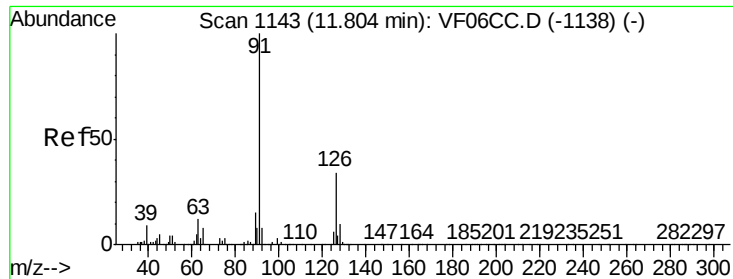
120 24.6 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

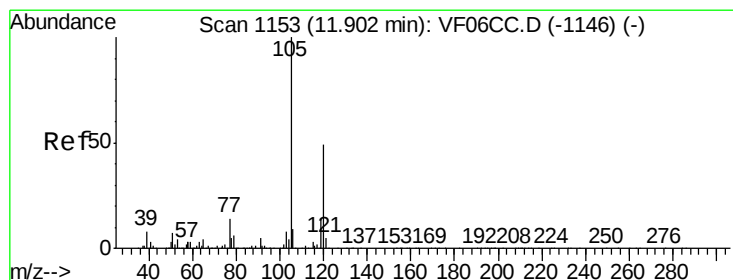
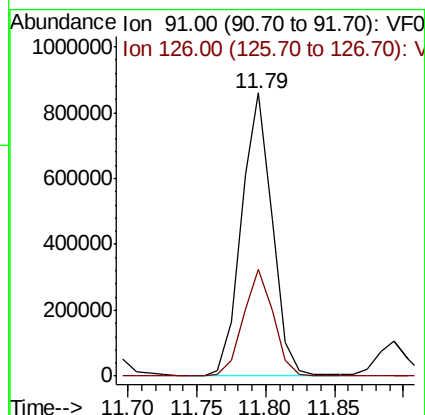
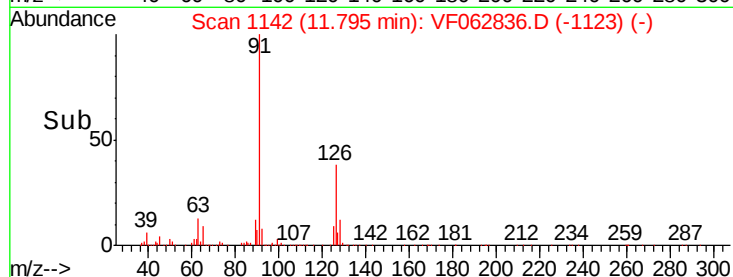
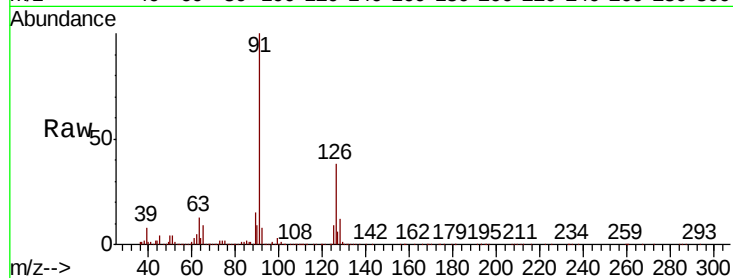




#79
 2-Chlorotoluene
 Concen: 45.816 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

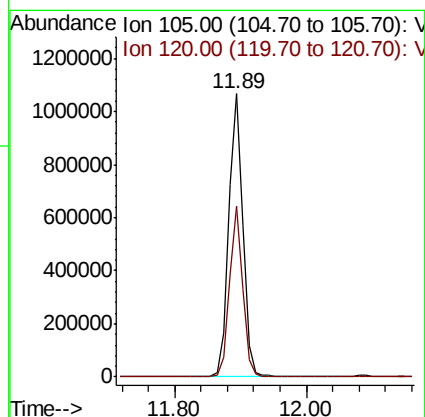
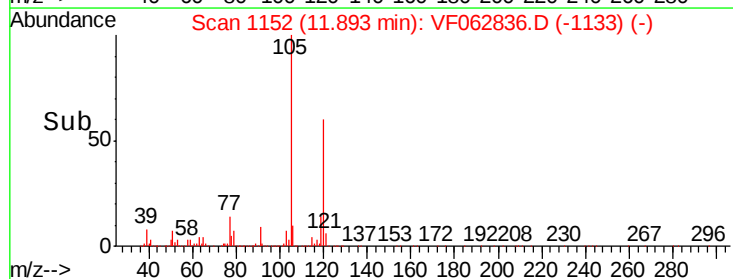
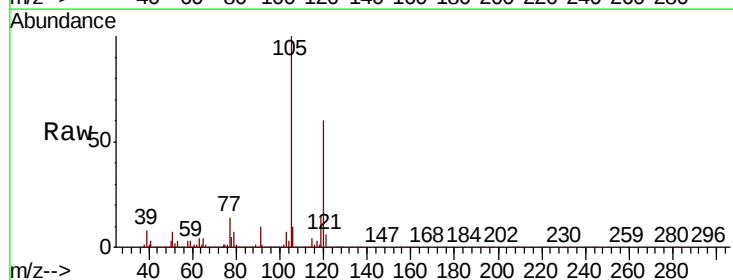
Instrument :
 MSVOA_F
 ClientSampled :

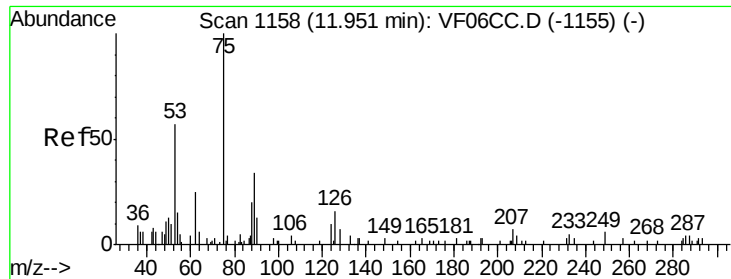
Tot Ion: 91 Resp: 1322006
 Ion Ratio Lower Upper
 91 100
 126 37.8 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 46.711 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062836.D
 Acq: 4 Jun 2019 13:16

Tgt Ion:105 Resp: 1595414
 Ion Ratio Lower Upper
 105 100
 120 60.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 63.311 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

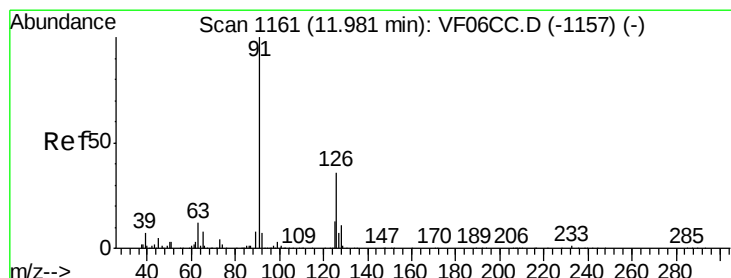
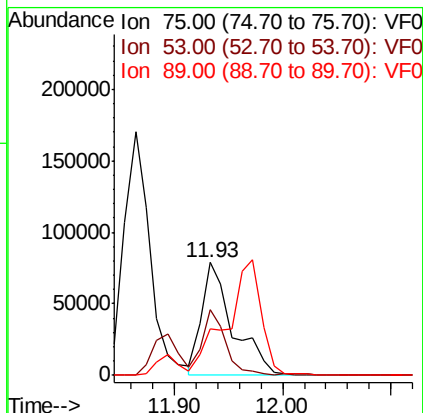
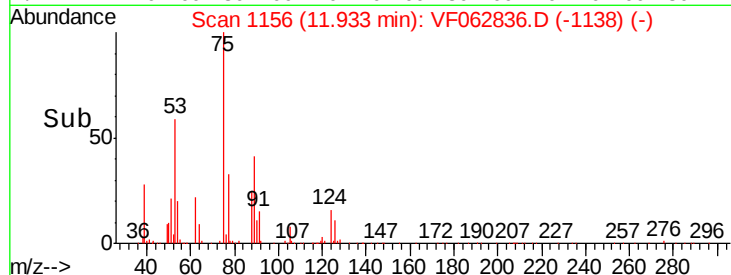
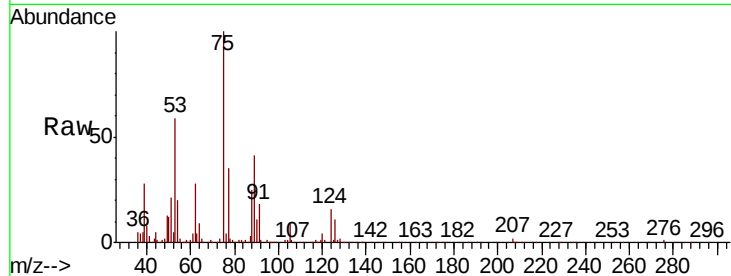
Tot Ion: 75 Resp: 158465

Ion Ratio Lower Upper

75 100

53 58.6 43.5 65.3

89 41.1 34.3 51.5



#82

4-Chlorotoluene

Concen: 47.771 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062836.D

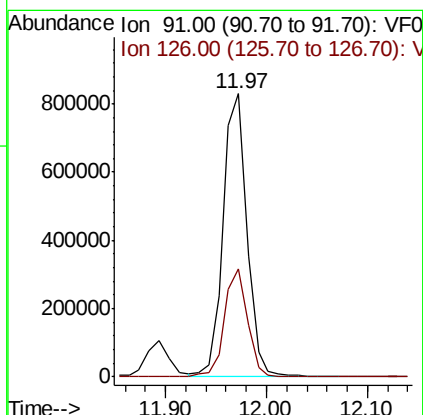
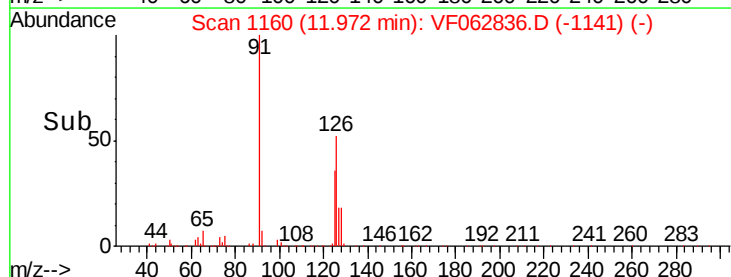
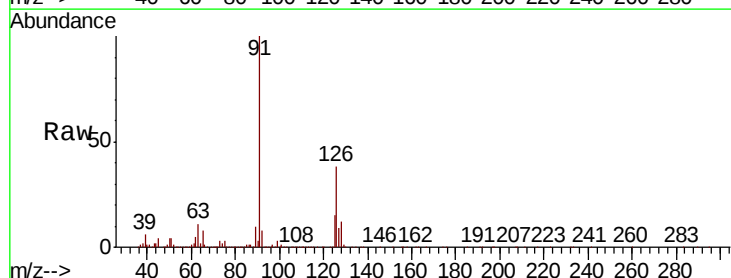
Acq: 4 Jun 2019 13:16

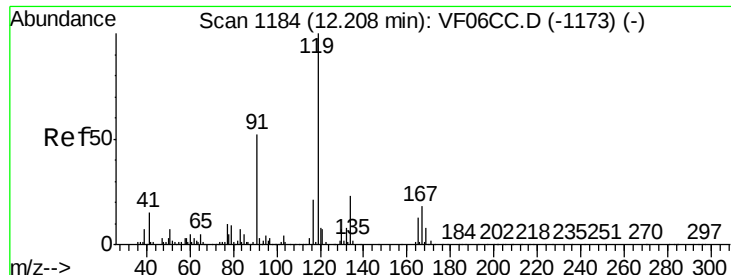
Tgt Ion: 91 Resp: 1354631

Ion Ratio Lower Upper

91 100

126 38.3 19.1 57.1

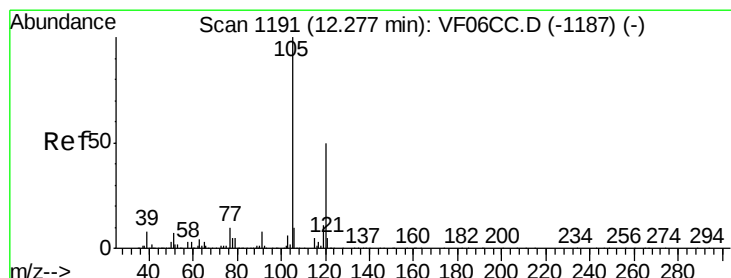
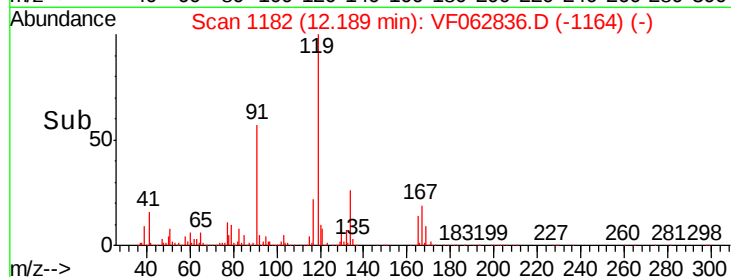
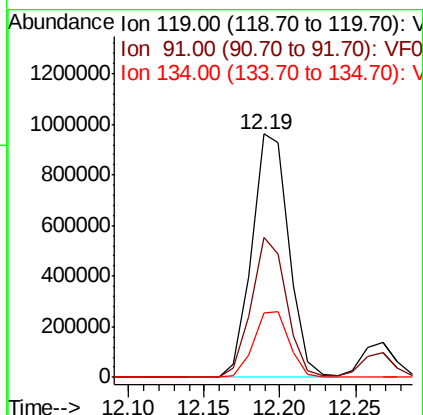
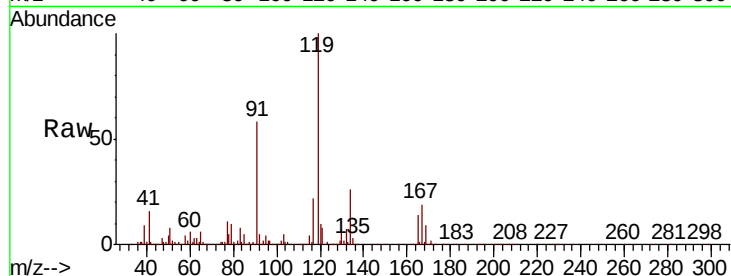




#83
tert-Butylbenzene
Concen: 48.552 ug/l
RT: 12.19 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

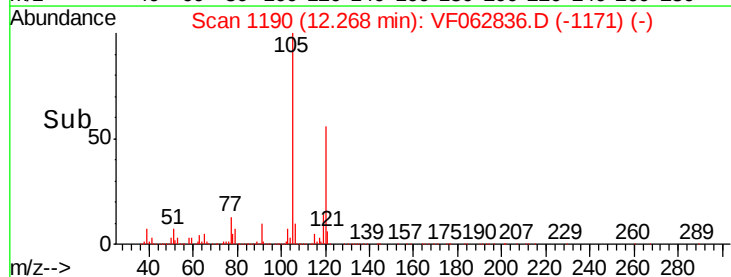
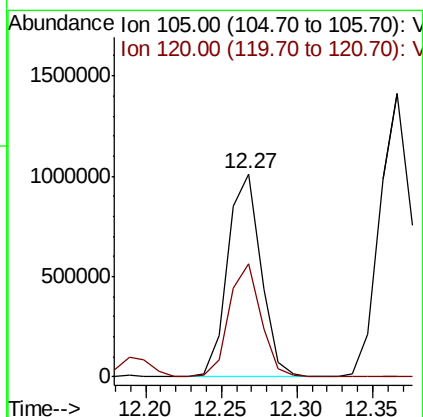
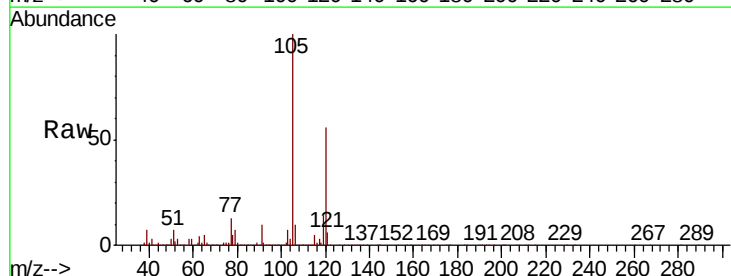
Instrument :
MSVOA_F
ClientSampled :

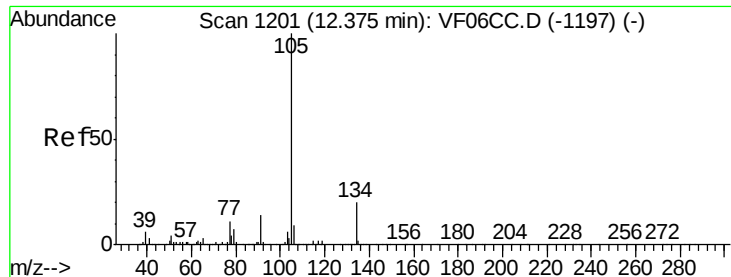
Tot Ion:119 Resp: 1643159
Ion Ratio Lower Upper
119 100
91 57.7 28.9 86.7
134 26.4 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 47.826 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion:105 Resp: 1548781
Ion Ratio Lower Upper
105 100
120 55.8 27.1 81.3





#85

sec-Butylbenzene

Concen: 47.039 ug/l

RT: 12.37 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

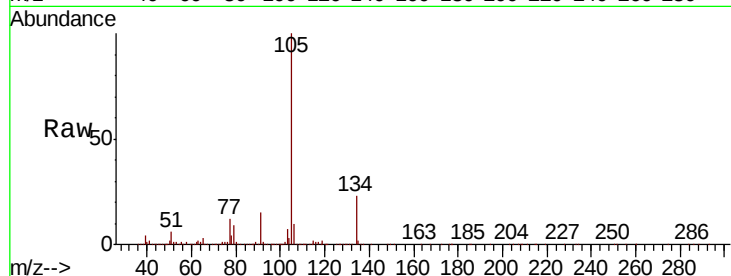
ClientSampleId :

Tot Ion:105 Resp: 2097684

Ion Ratio Lower Upper

105 100

134 22.7 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

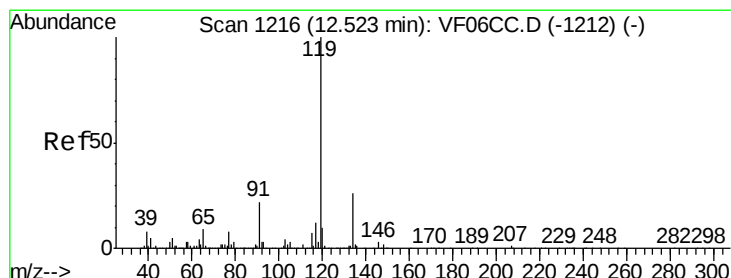
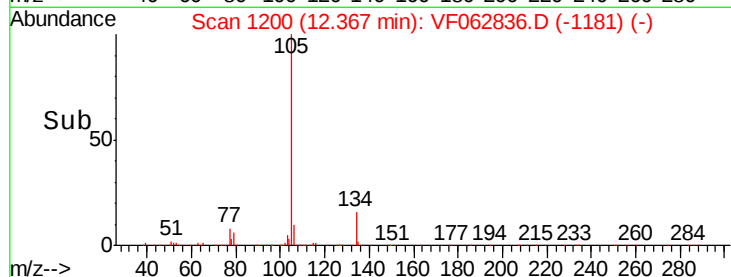
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.590 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

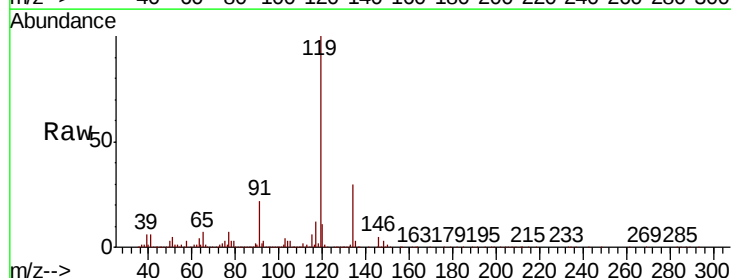
Tgt Ion:119 Resp: 1803605

Ion Ratio Lower Upper

119 100

134 30.0 15.5 46.5

91 21.7 10.3 30.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.51

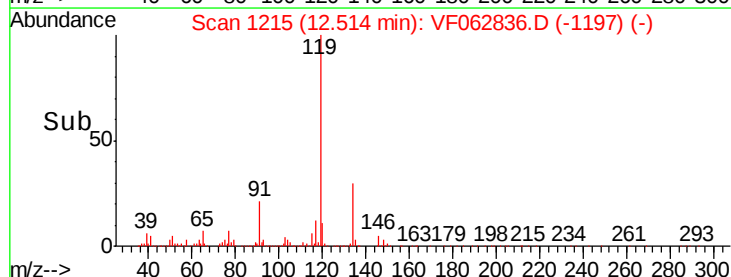
1500000

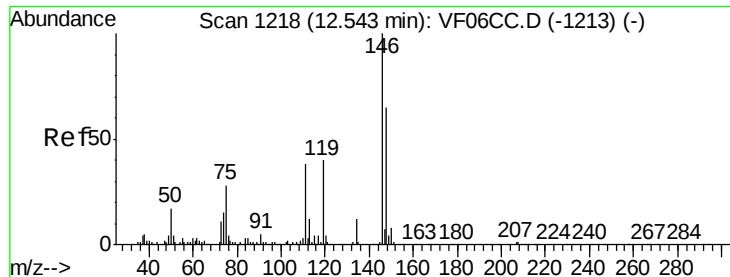
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.469 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

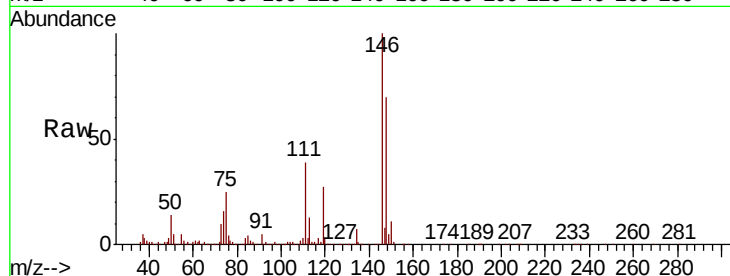
Tot Ion:146 Resp: 897023

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.8

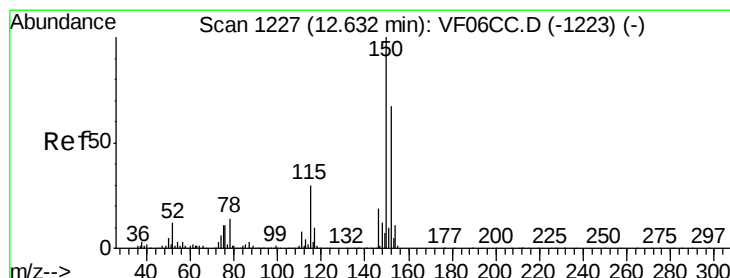
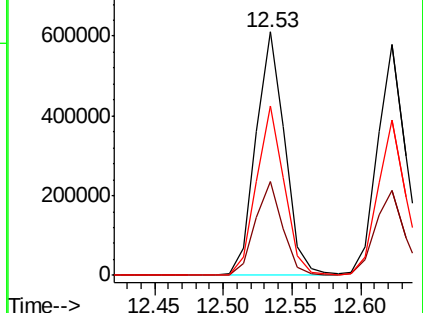
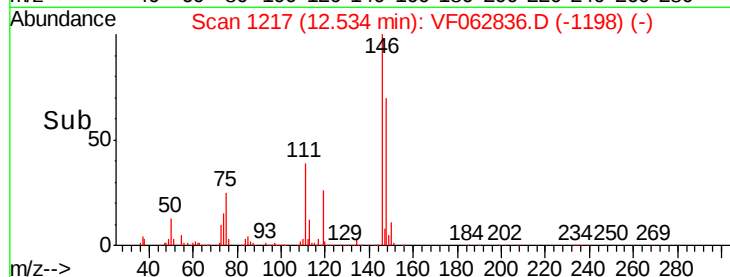
148 69.7 34.2 102.5



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: 48.295 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

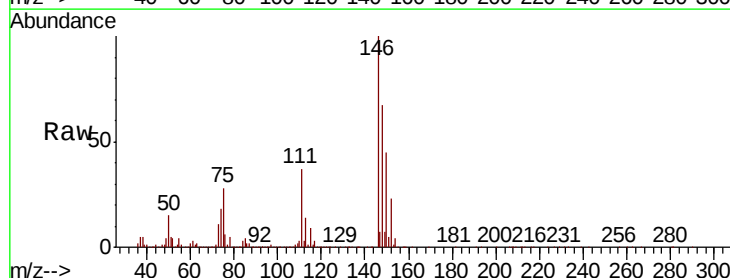
Tgt Ion:146 Resp: 834128

Ion Ratio Lower Upper

146 100

111 36.8 20.3 60.9

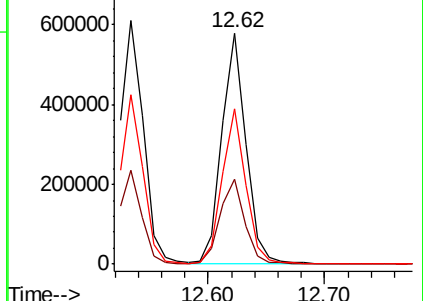
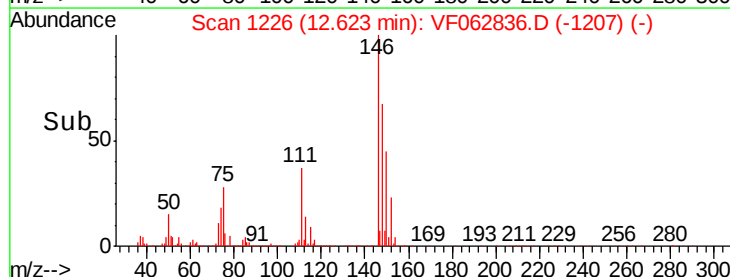
148 67.3 34.0 101.8

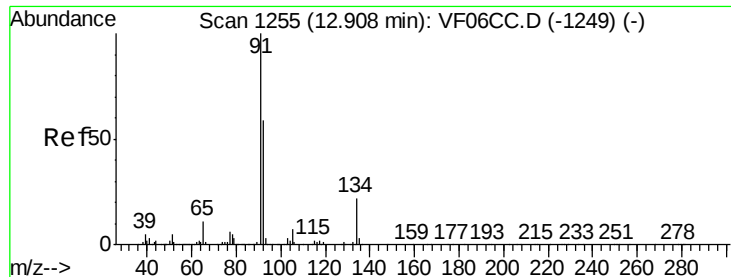


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

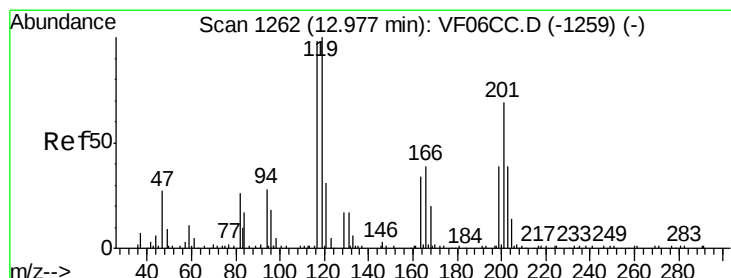
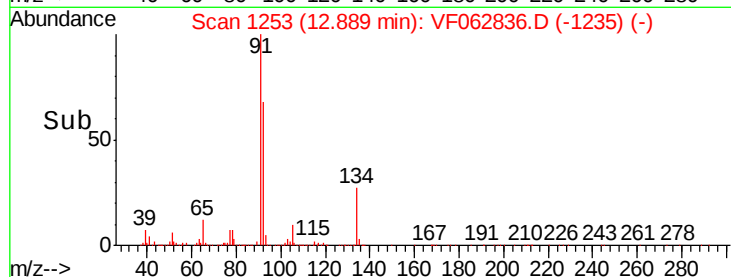
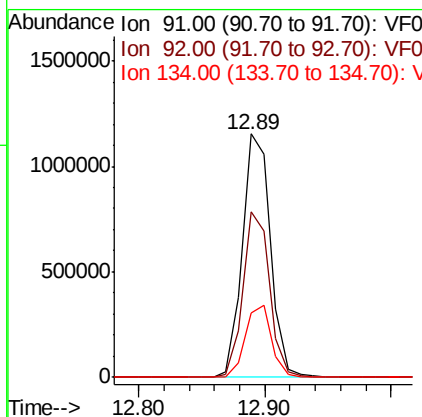
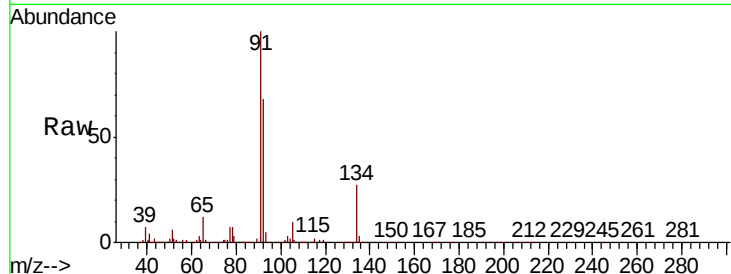




#89
n-Butylbenzene
Concen: 47.436 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

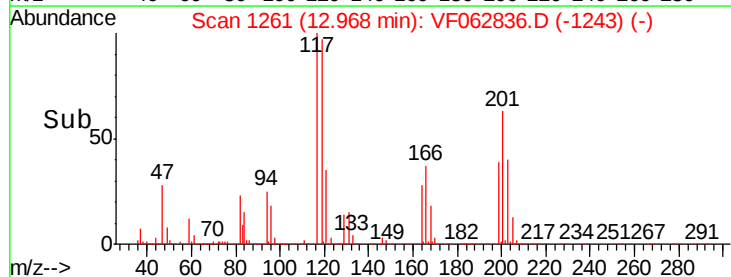
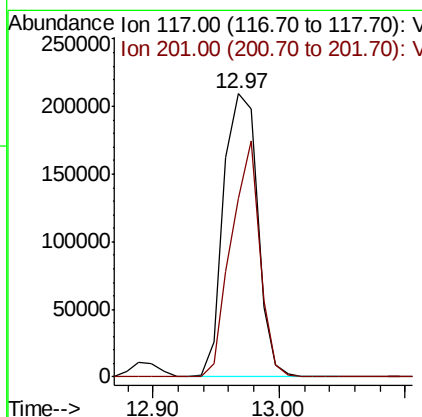
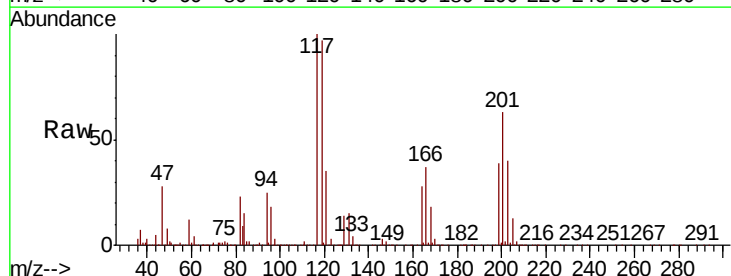
Instrument :
MSVOA_F
ClientSampleId :

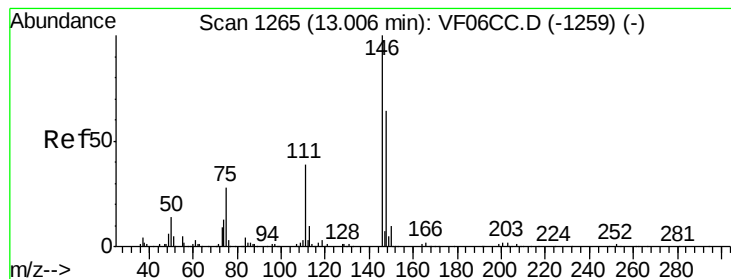
Tot Ion: 91 Resp: 1771219
Ion Ratio Lower Upper
91 100
92 67.7 34.2 102.6
134 26.7 15.8 47.3



#90
Hexachloroethane
Concen: 43.030 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion: 117 Resp: 389556
Ion Ratio Lower Upper
117 100
201 63.0 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 47.598 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

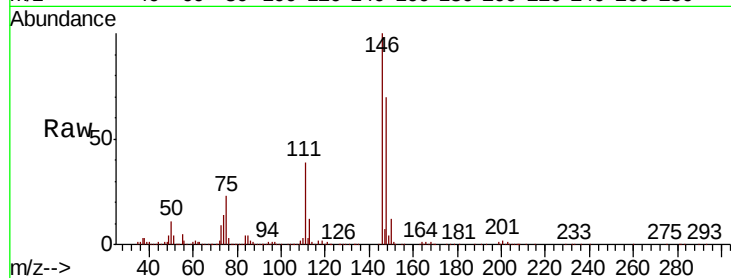
Tot Ion:146 Resp: 774271

Ion Ratio Lower Upper

146 100

111 38.6 20.4 61.3

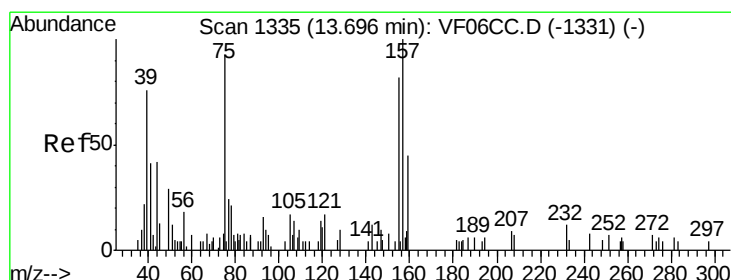
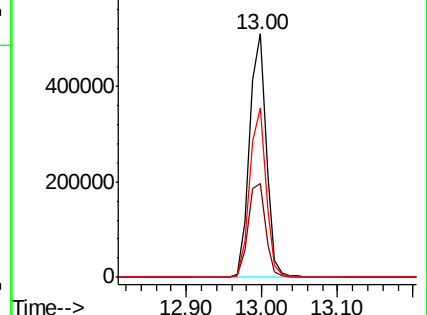
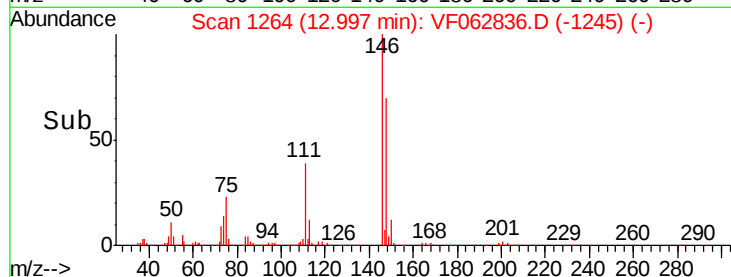
148 69.5 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.729 ug/l

RT: 13.69 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

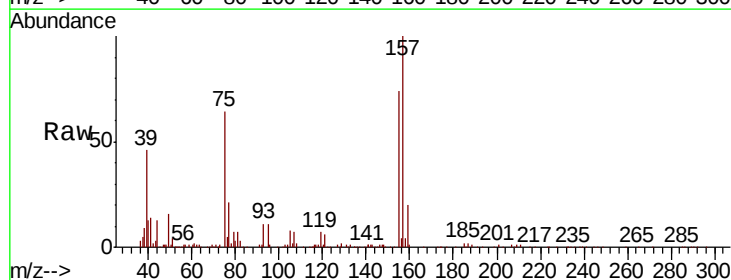
Tgt Ion: 75 Resp: 49293

Ion Ratio Lower Upper

75 100

155 115.0 51.7 155.1

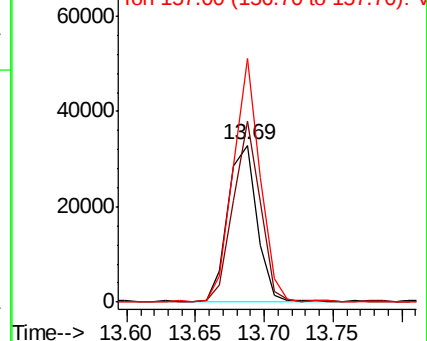
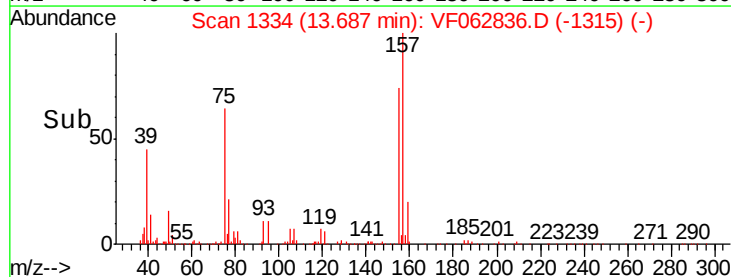
157 155.3 66.8 200.6

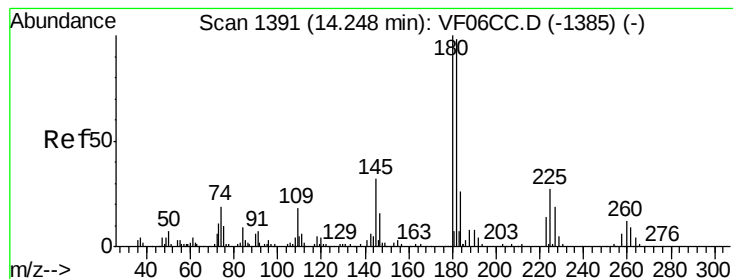


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 49.137 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

Instrument :

MSVOA_F

ClientSampleId :

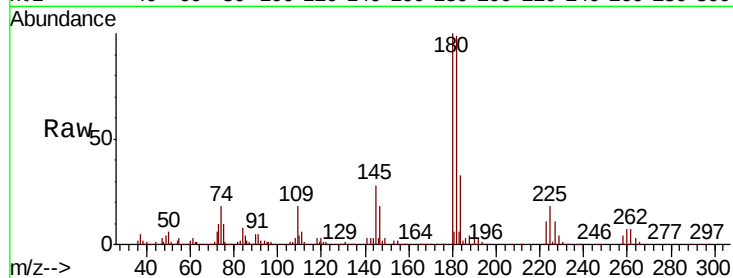
Tot Ion:180 Resp: 548808

Ion Ratio Lower Upper

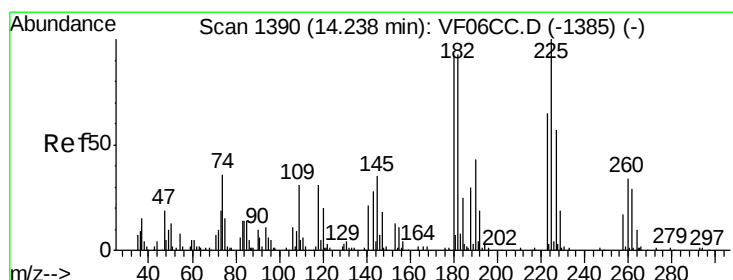
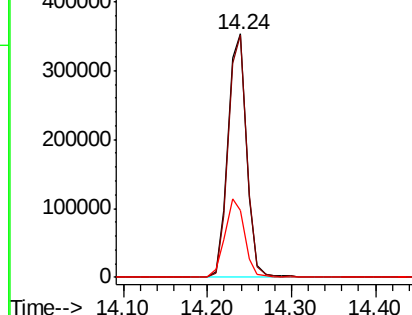
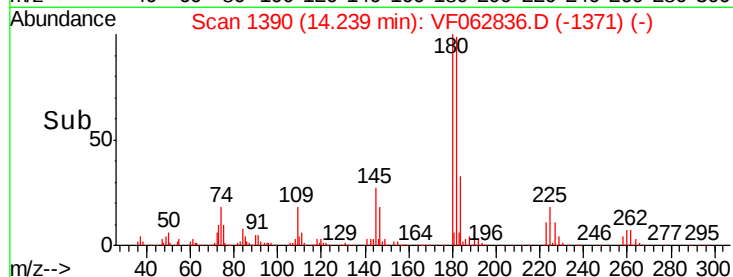
180 100

182 99.5 50.3 150.9

145 27.5 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 48.787 ug/l

RT: 14.22 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VF062836.D

Acq: 4 Jun 2019 13:16

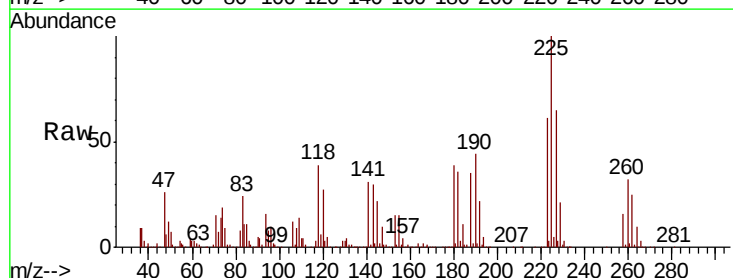
Tgt Ion:225 Resp: 376960

Ion Ratio Lower Upper

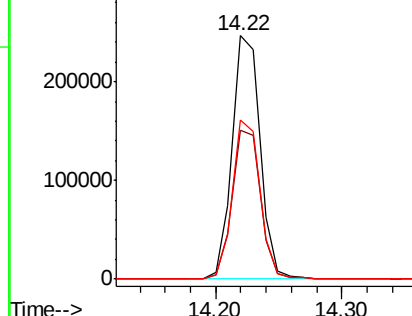
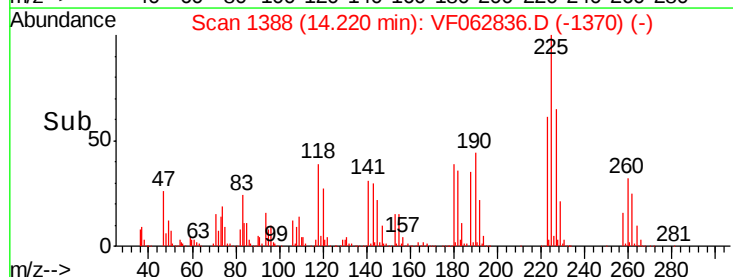
225 100

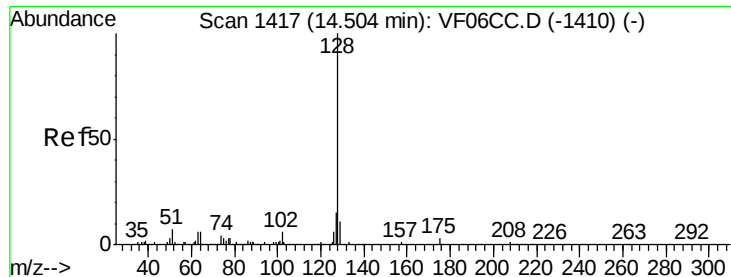
223 61.4 30.8 92.4

227 65.5 31.9 95.5



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

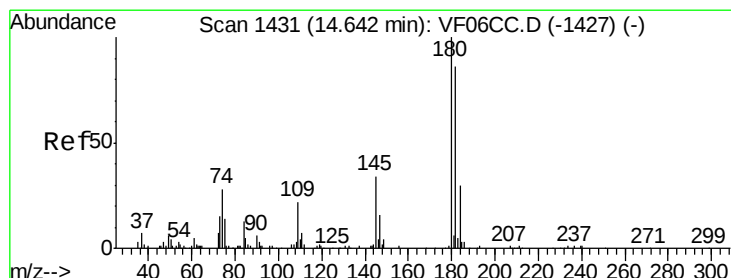
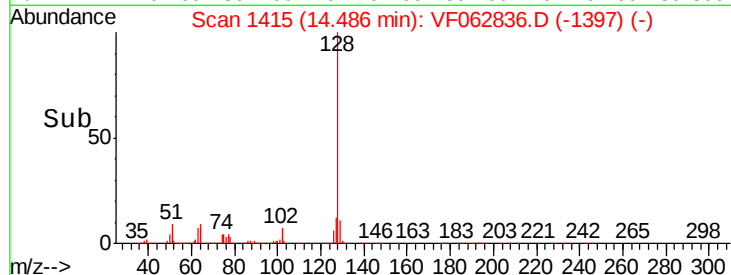
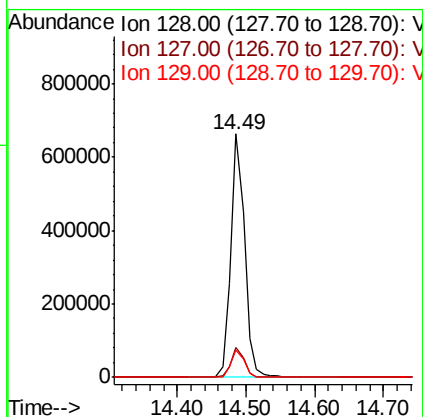
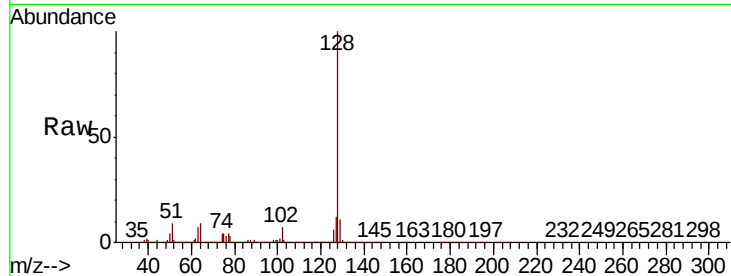




#95
Naphthalene
Concen: 50.376 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 921784
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 11.3 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 49.723 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062836.D
Acq: 4 Jun 2019 13:16

Tgt Ion:180 Resp: 506940
Ion Ratio Lower Upper
180 100
182 99.3 48.6 145.9
145 28.8 15.7 47.0

