

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062856.D
 Acq On : 4 Jun 2019 23:18
 Operator : FY/SY
 Sample : K3163-03
 Misc : 8.52g/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:25:43 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	5.08	168	292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	92	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.83	117	196	50.00	ug/l	-0.10
72) 1,4-Dichlorobenzene-d4	12.58	152	202	50.00	ug/l	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	451	223.36	ug/l	-0.04
Spiked Amount			Recovery	=	446.72%	
35) Dibromofluoromethane	4.29	113	234	336.59	ug/l	-0.05
Spiked Amount			Recovery	=	673.18%	
50) Toluene-d8	7.68	98	115	65.42	ug/l	-0.05
Spiked Amount			Recovery	=	130.84%	
62) 4-Bromofluorobenzene	11.40	95	342	540.82	ug/l	-0.11
Spiked Amount			Recovery	=	1081.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	194	59.539	ug/l #	39
3) Chloromethane	1.16	50	751	248.565	ug/l #	60
4) Vinyl Chloride	1.20	62	498	165.867	ug/l	94
5) Bromomethane	1.23	94	330	192.726	ug/l	98
6) Chloroethane	1.46	64	487	433.827	ug/l #	57
7) Trichlorofluoromethane	1.60	101	238	55.994	ug/l #	56
8) Diethyl Ether	1.68	74	89	106.429	ug/l	51
9) 1,1,2-Trichlorotrifluoroet	1.93	101	265	99.167	ug/l #	19
10) Methyl Iodide	2.03	142	95	17.730	ug/l #	1
11) Tert butyl alcohol	2.70	59	531	4341.033	ug/l #	70
12) 1,1-Dichloroethene	1.90	96	270	111.270	ug/l #	1
13) Acrolein	2.10	56	469	9913.902	ug/l	90
14) Allyl chloride	2.19	41	1433	761.225	ug/l	89
15) Acrylonitrile	3.11	53	955	2077.751	ug/l #	35
16) Acetone	2.40	43	443	958.565	ug/l #	52
17) Carbon Disulfide	1.94	76	409	57.669	ug/l #	69
18) Methyl Acetate	2.44	43	517	640.167	ug/l	91
19) Methyl tert-butyl Ether	2.55	73	511	116.236	ug/l #	91
20) Methylene Chloride	2.38	84	332	149.394	ug/l #	69
21) trans-1,2-Dichloroethene	2.44	96	471	193.590	ug/l #	14
22) Diisopropyl ether	2.95	45	334	62.449	ug/l #	34
23) Vinyl Acetate	3.39	43	1527	417.041	ug/l #	73
24) 1,1-Dichloroethane	3.06	63	629	157.514	ug/l #	88
25) 2-Butanone	4.67	43	1575	1463.427	ug/l	100
26) 2,2-Dichloropropane	3.88	77	509	224.486	ug/l	97
27) cis-1,2-Dichloroethene	3.70	96	1352	330.588	ug/l	16
28) Bromochloromethane	3.89	49	692	318.579	ug/l #	76
29) Tetrahydrofuran	3.96	42	603	1464.901	ug/l	96
30) Chloroform	4.09	83	99	17.591	ug/l	100
31) Cyclohexane	3.93	56	368	68.068	ug/l #	13
32) 1,1,1-Trichloroethane	4.30	97	312	95.215	ug/l #	57
36) 1,1-Dichloropropene	4.49	75	473	558.478	ug/l #	38
37) Ethyl Acetate	4.26	43	102	315.051	ug/l #	79
38) Carbon Tetrachloride	4.17	117	135	235.850	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.56	83	104	98.662	ug/l #	1
40) Benzene	4.82	78	171	69.373	ug/l #	1
41) Methacrylonitrile	4.93	41	629	3494.771	ug/l #	35
42) 1,2-Dichloroethane	5.07	62	64	136.516	ug/l	69
43) Isopropyl Acetate	7.04	43	560	1309.373	ug/l #	38
44) Trichloroethene	5.63	130	103	148.062	ug/l	73
45) 1,2-Dichloropropane	6.37	63	405	654.745	ug/l #	47
46) Dibromomethane	6.19	93	61	168.908	ug/l #	4
47) Bromodichloromethane	6.53	83	234	318.155	ug/l #	1
48) Methyl methacrylate	6.83	41	628	2849.181	ug/l #	33
49) 1,4-Dioxane	6.81	88	134	46122.494	ug/l #	29
51) 4-Methyl-2-Pentanone	8.34	43	1382	4526.071	ug/l #	75
52) Toluene	7.73	92	187	140.852	ug/l #	58
53) t-1,3-Dichloropropene	8.36	75	479	785.938	ug/l	92
54) cis-1,3-Dichloropropene	7.40	75	170	192.698	ug/l #	1
55) 1,1,2-Trichloroethane	8.57	97	66	166.403	ug/l #	38
56) Ethyl methacrylate	8.69	69	531	1247.735	ug/l #	35
57) 1,3-Dichloropropane	8.92	76	303	467.810	ug/l #	52
58) 2-Chloroethyl Vinyl ether	7.39	63	107	719.414	ug/l #	51
59) 2-Hexanone	9.46	43	760	3492.037	ug/l	64
60) Dibromochloromethane	8.63	129	134	272.885	ug/l	77
61) 1,2-Dibromoethane	9.05	107	73	177.218	ug/l	84
64) Tetrachloroethene	8.30	164	435	288.818	ug/l #	1
65) Chlorobenzene	9.99	112	104	27.476	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.11	131	208	137.983	ug/l	83
67) Ethyl Benzene	10.07	91	160	24.633	ug/l #	42
68) m/p-Xylenes	10.26	106	71	28.565	ug/l #	1
69) o-Xylene	10.81	106	103	40.930	ug/l #	1
70) Styrene	10.92	104	193	52.033	ug/l #	1
71) Bromoform	10.88	173	221	305.610	ug/l #	1
73) Isopropylbenzene	11.31	105	194	13.764	ug/l	93
74) N-amyl acetate	11.47	43	730	183.763	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	11.77	83	694	230.568	ug/l #	25
76) 1,2,3-Trichloropropane	11.91	75	165	82.700	ug/l #	34
77) Bromobenzene	11.57	156	177	49.980	ug/l #	36
78) n-propylbenzene	11.68	91	140	8.226	ug/l #	1
79) 2-Chlorotoluene	11.80	91	276	28.343	ug/l #	30
80) 1,3,5-Trimethylbenzene	11.88	105	291	25.246	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.98	75	447	529.185	ug/l #	28
82) 4-Chlorotoluene	11.95	91	184	19.227	ug/l #	37
83) tert-Butylbenzene	12.22	119	73	6.392	ug/l #	9
84) 1,2,4-Trimethylbenzene	12.26	105	154	14.091	ug/l	80
85) sec-Butylbenzene	12.38	105	639	42.459	ug/l #	1
86) p-Isopropyltoluene	12.56	119	235	18.760	ug/l #	48
87) 1,3-Dichlorobenzene	12.58	146	87	13.930	ug/l #	23
88) 1,4-Dichlorobenzene	12.58	146	87	14.926	ug/l #	23
89) n-Butylbenzene	12.90	91	276	21.903	ug/l #	24
90) Hexachloroethane	13.10	117	261	85.427	ug/l	98
91) 1,2-Dichlorobenzene	12.98	146	329	59.931	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	457	1393.608	ug/l #	1

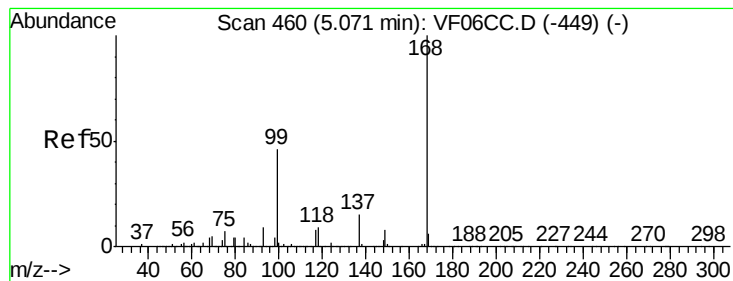
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	163	43.245	ug/l #	10
95) Naphthalene	14.52	128	161	26.072	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.58	180	154	44.759	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

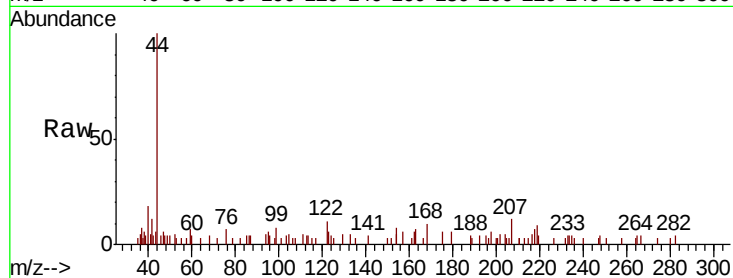
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 292

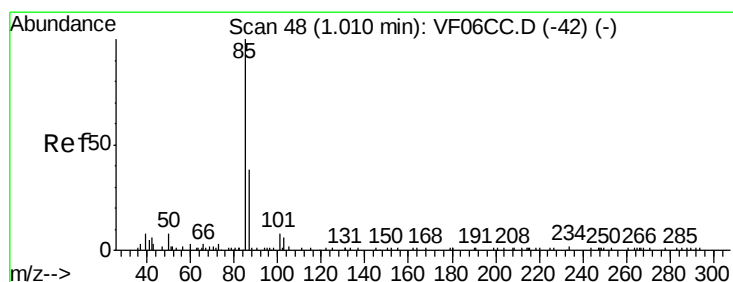
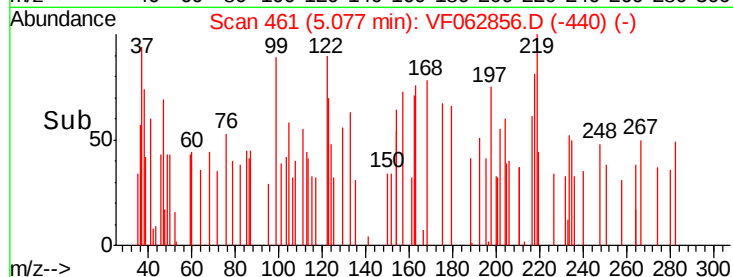
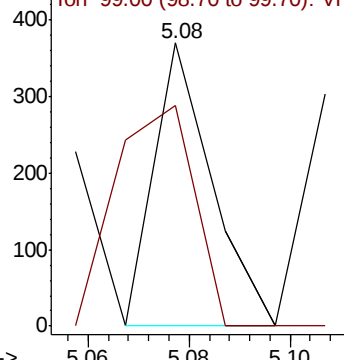
Ion Ratio Lower Upper

168 100

99 78.1 39.1 58.7#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 59.539 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062856.D

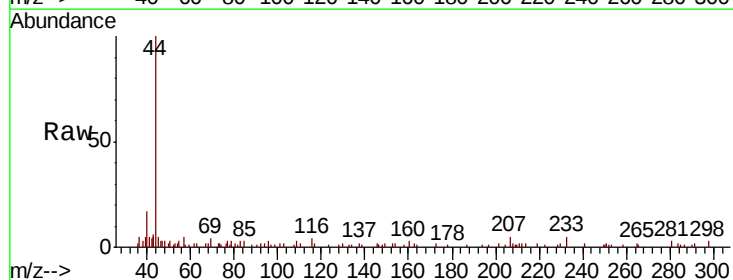
Acq: 4 Jun 2019 23:18

Tgt Ion: 85 Resp: 194

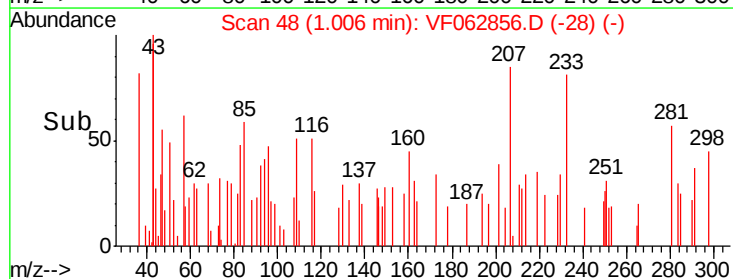
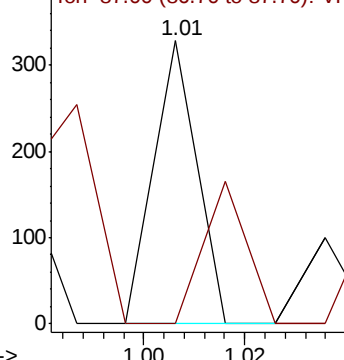
Ion Ratio Lower Upper

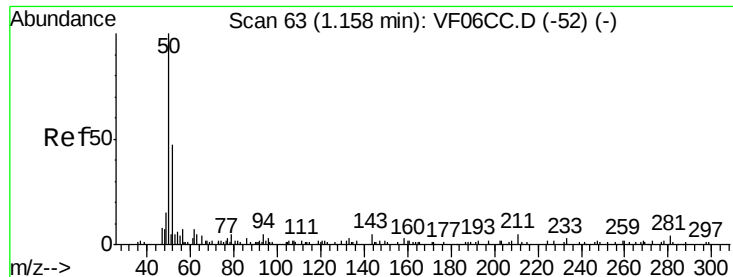
85 100

87 0.0 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 248.565 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

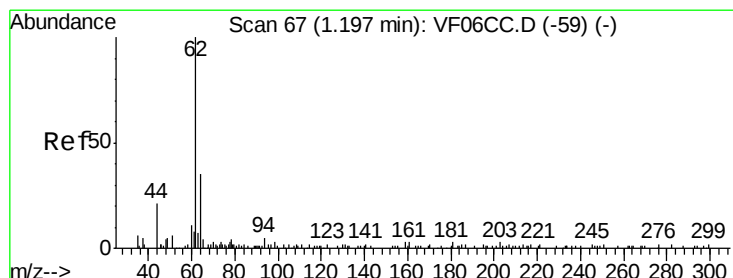
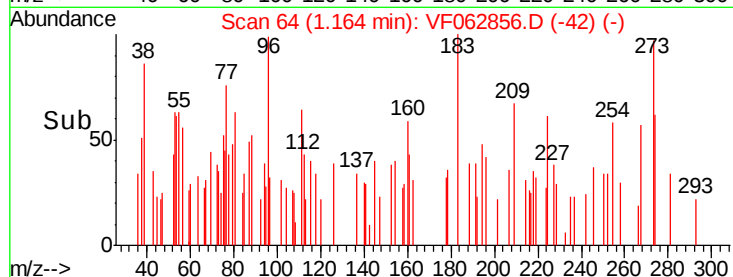
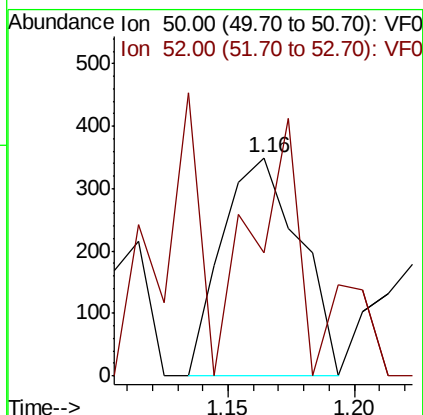
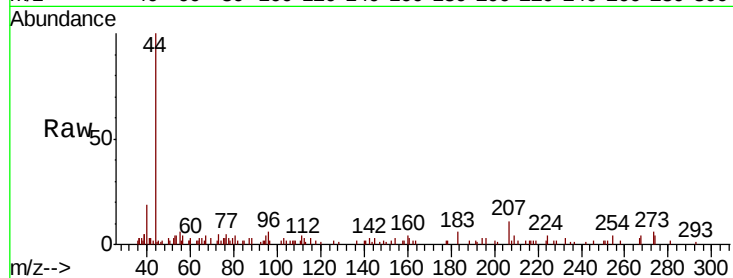
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 751

Ion Ratio Lower Upper

50 100

52 56.6 27.0 40.4#



#4

Vinyl Chloride

Concen: 165.867 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062856.D

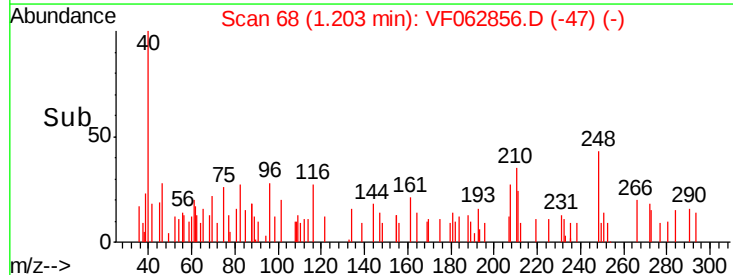
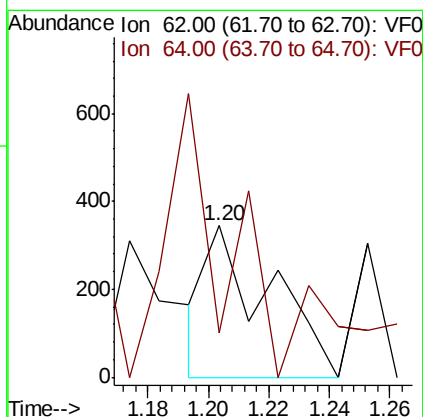
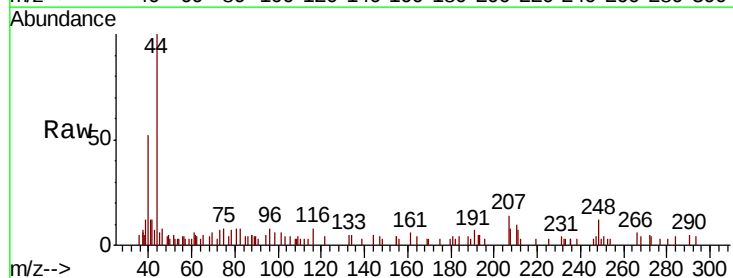
Acq: 4 Jun 2019 23:18

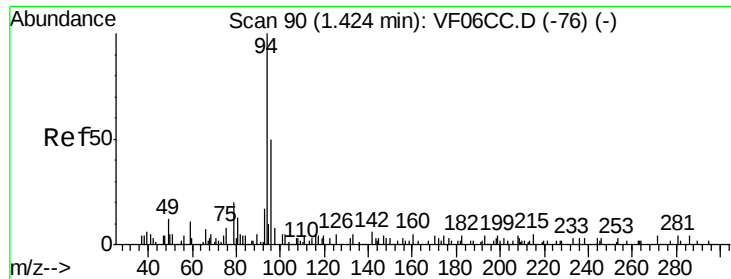
Tgt Ion: 62 Resp: 498

Ion Ratio Lower Upper

62 100

64 29.6 26.2 39.2





#5

Bromomethane

Concen: 192.726 ug/l

RT: 1.23 min Scan# 71

Delta R.T. -0.17 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

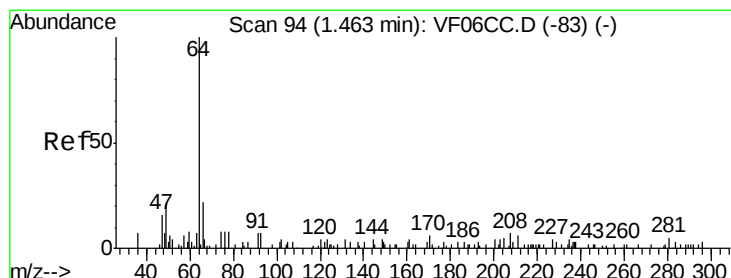
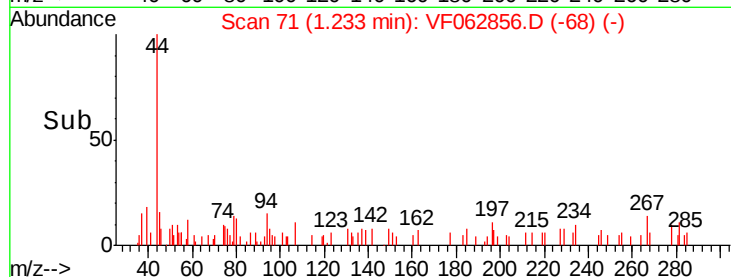
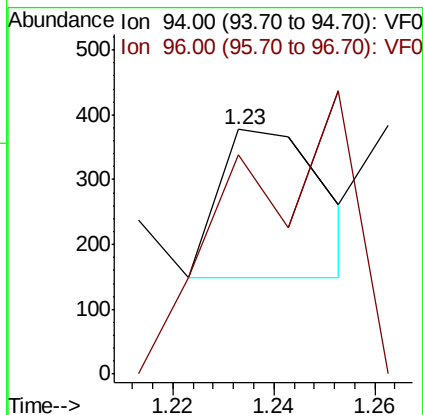
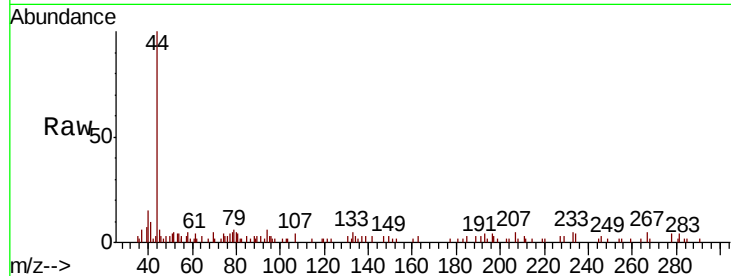
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 330

Ion Ratio Lower Upper

94 100

96 89.9 73.8 110.6



#6

Chloroethane

Concen: 433.827 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062856.D

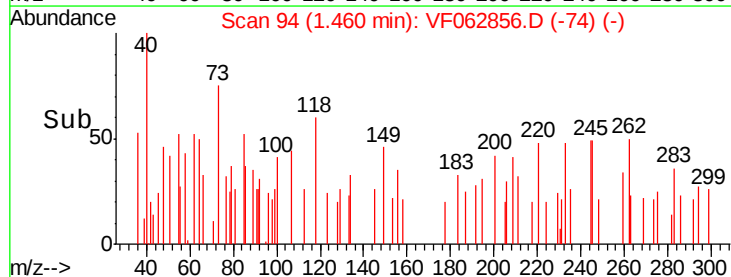
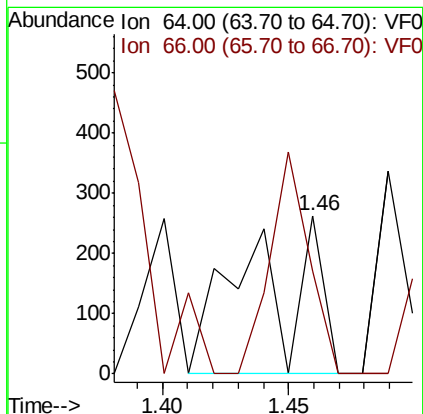
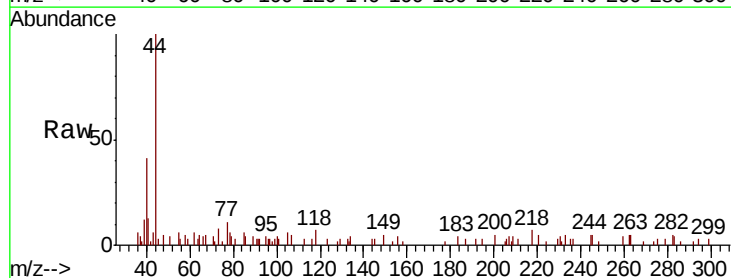
Acq: 4 Jun 2019 23:18

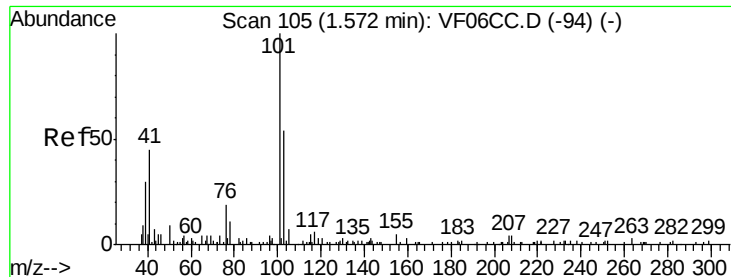
Tgt Ion: 64 Resp: 487

Ion Ratio Lower Upper

64 100

66 64.6 31.0 46.4#



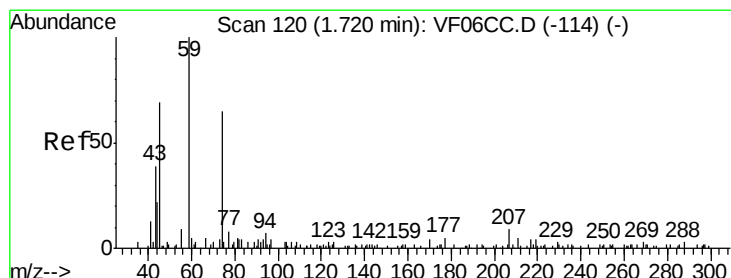
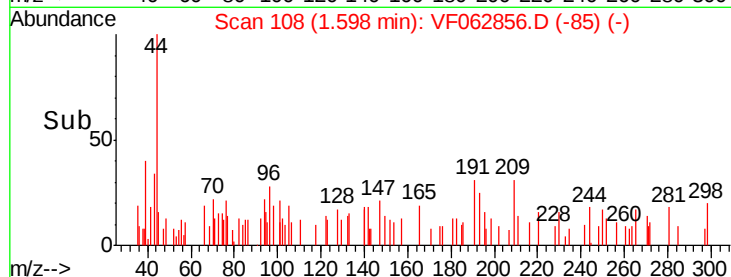
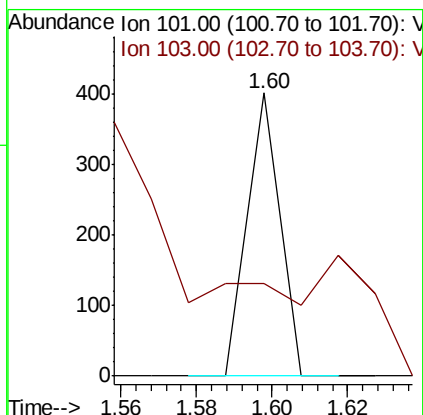
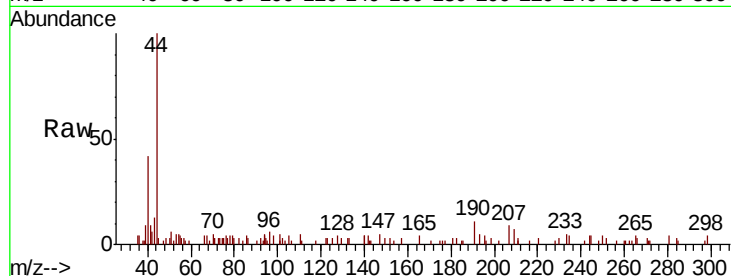


#7

Trichlorofluoromethane
Concen: 55.994 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

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MSVOA_F
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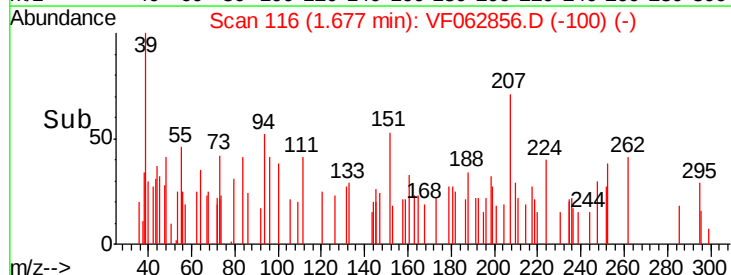
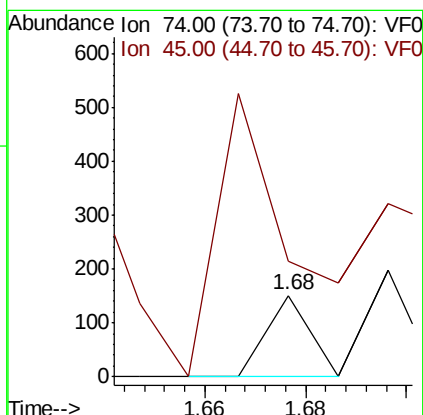
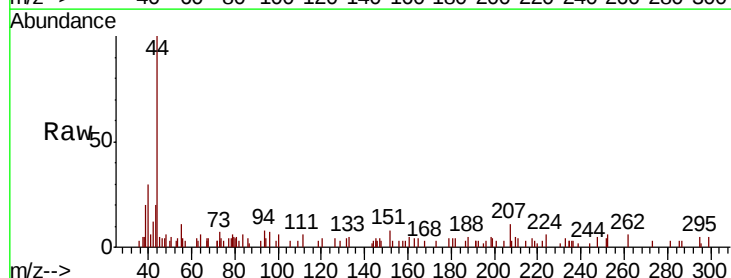
Tot Ion:101 Resp: 238
Ion Ratio Lower Upper
101 100
103 32.6 54.6 82.0#

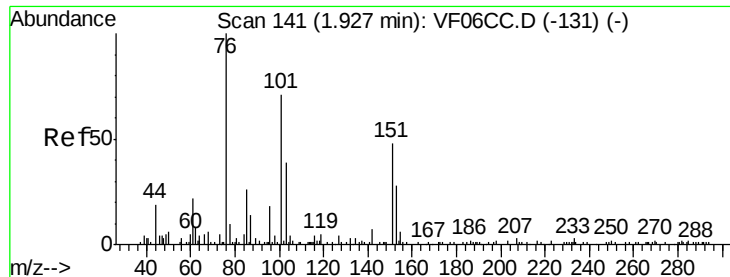


#8

Diethyl Ether
Concen: 106.429 ug/l
RT: 1.68 min Scan# 116
Delta R.T. -0.05 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 74 Resp: 89
Ion Ratio Lower Upper
74 100
45 142.4 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.167 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

ClientSampled :

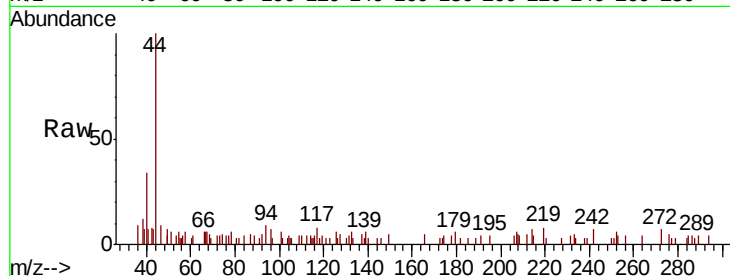
Tot Ion:101 Resp: 265

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

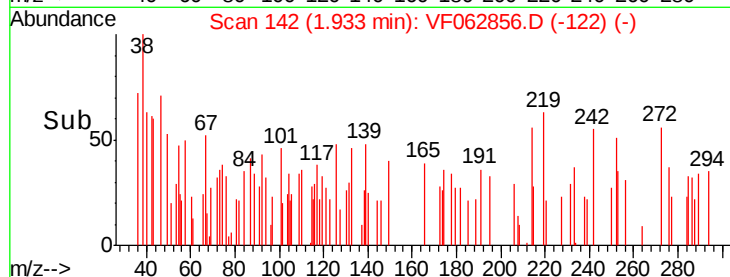
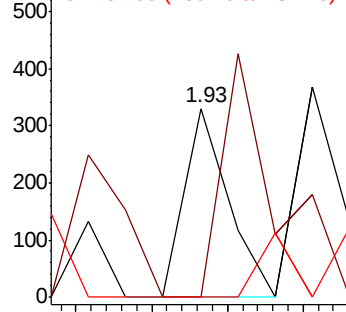
151 0.0 60.3 90.5#



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: 17.730 ug/l

RT: 2.03 min Scan# 152

Delta R.T. 0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

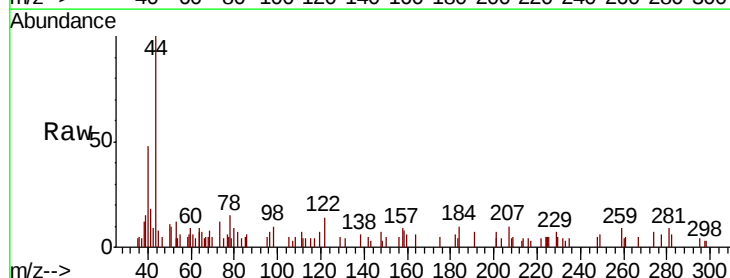
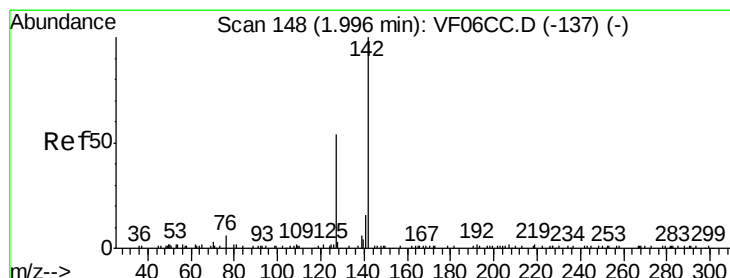
Tgt Ion:142 Resp: 95

Ion Ratio Lower Upper

142 100

127 0.0 39.4 59.2#

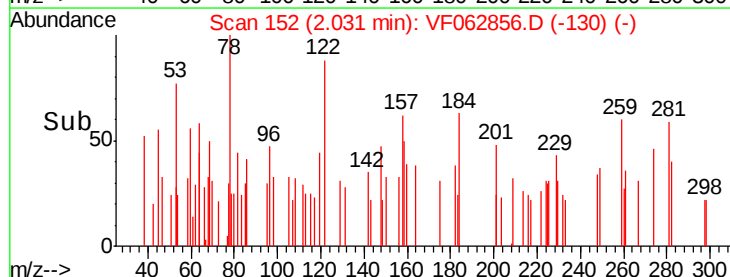
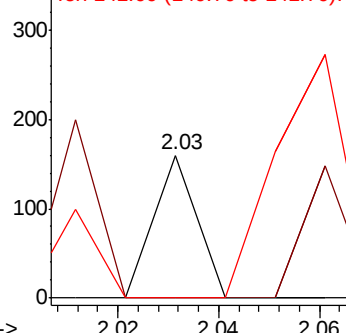
141 100.0 10.6 15.8#

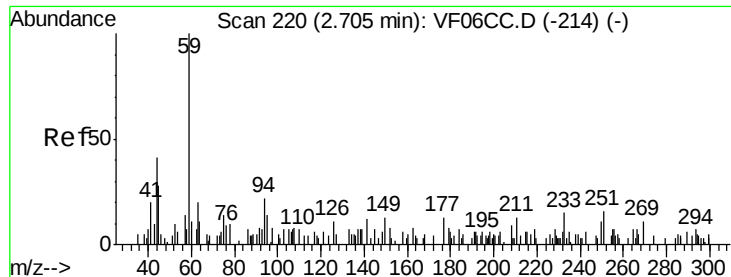


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

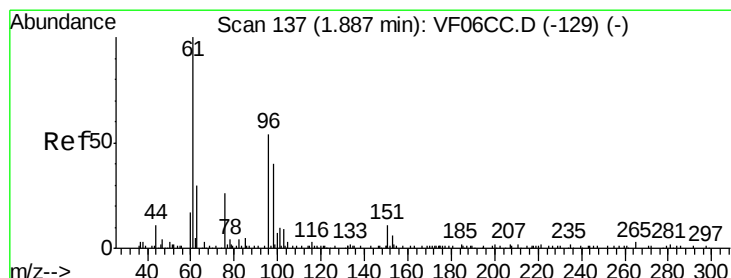
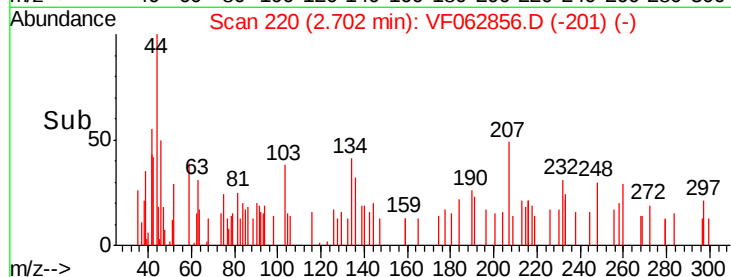
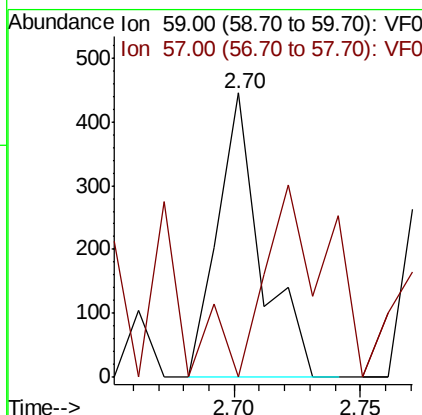
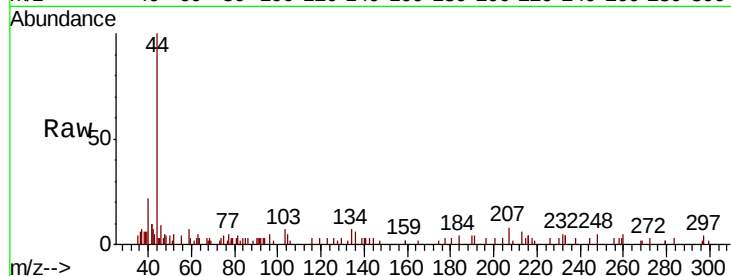




#11
Tert butyl alcohol
Concen: 4341.033 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

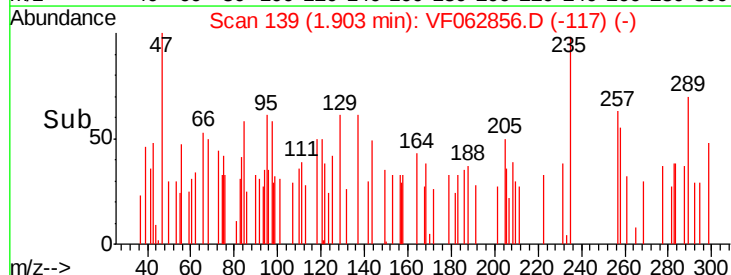
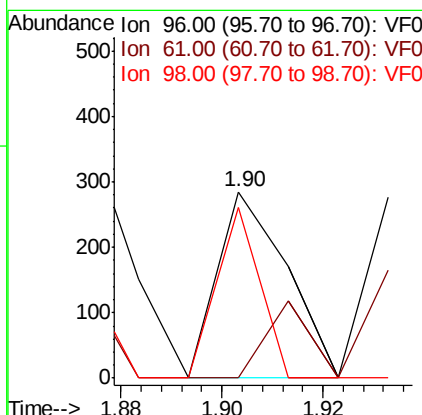
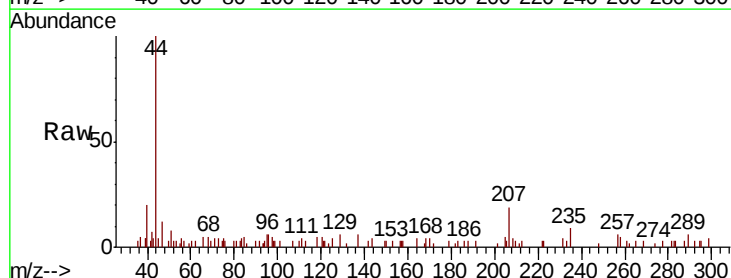
Instrument :
MSVOA_F
ClientSampled :

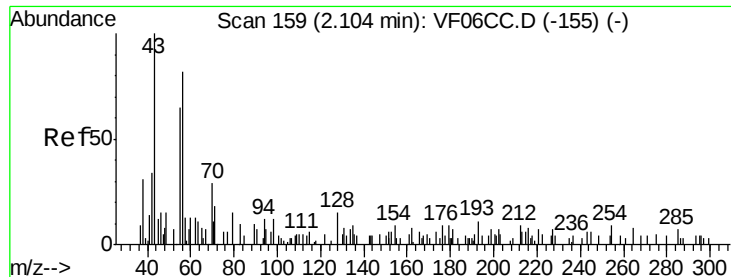
Tot Ion: 59 Resp: 531
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 111.270 ug/l
RT: 1.90 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 96 Resp: 270
Ion Ratio Lower Upper
96 100
61 0.0 139.4 209.2#
98 91.6 50.3 75.5#

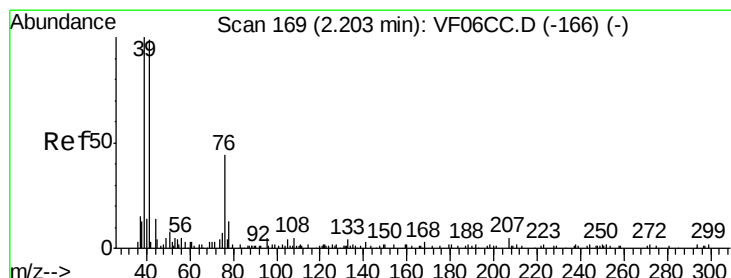
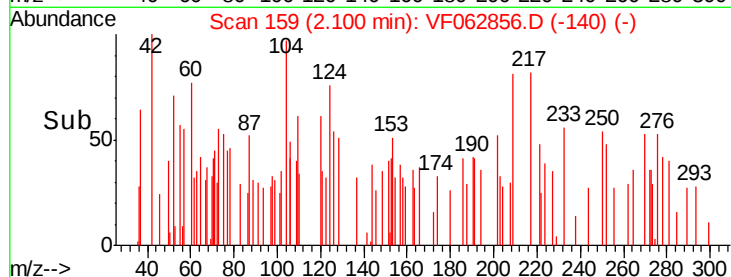
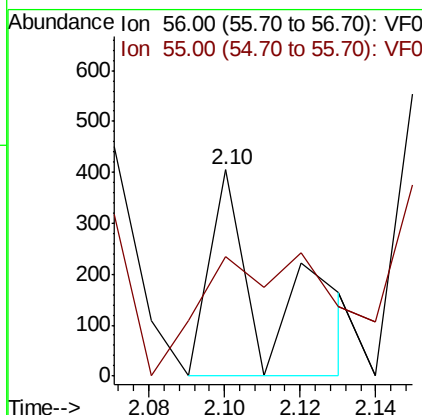
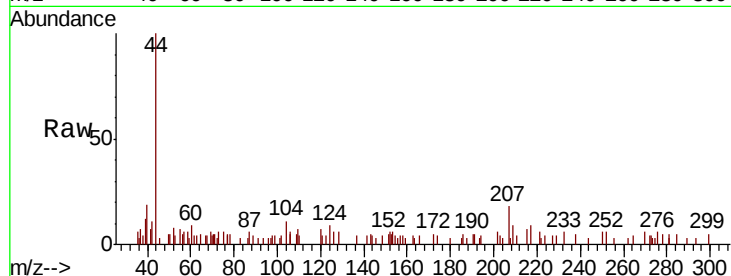




#13
Acrolein
Concen: 9913.902 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

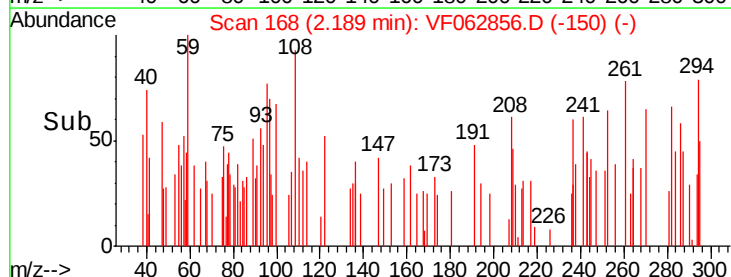
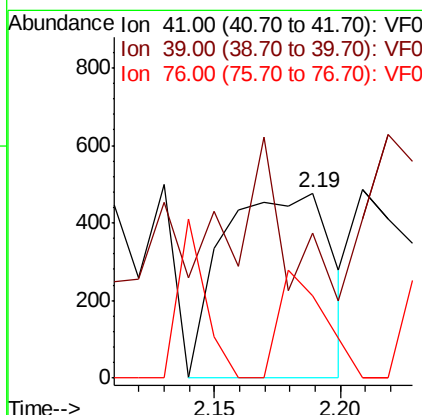
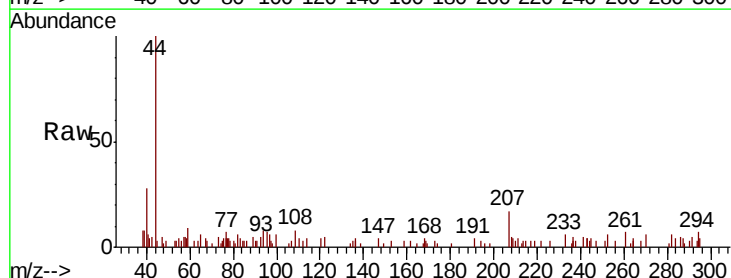
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 469
Ion Ratio Lower Upper
56 100
55 57.8 52.9 79.3



#14
Allyl chloride
Concen: 761.225 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 41 Resp: 1433
Ion Ratio Lower Upper
41 100
39 78.2 71.9 107.9
76 44.4 39.6 59.4





#15

Acrylonitrile

Concen: 2077.751 ug/l

RT: 3.11 min Scan# 261

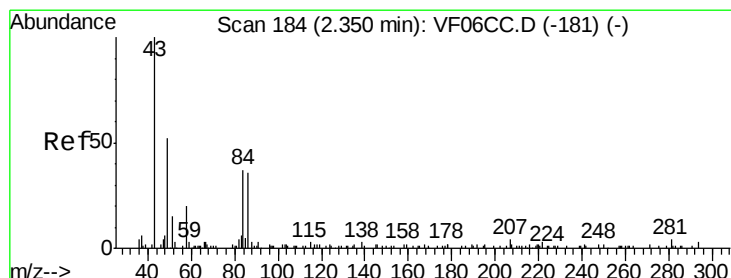
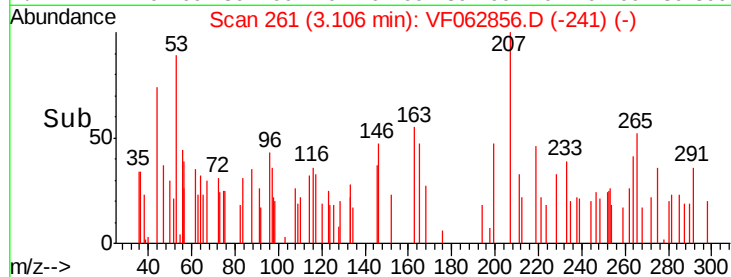
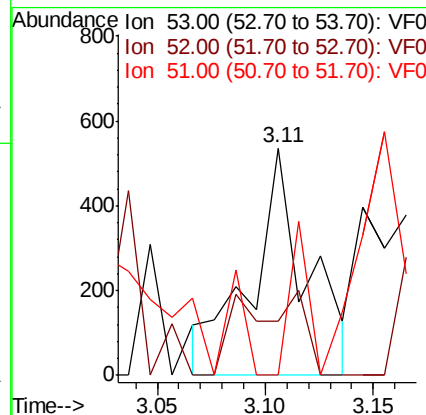
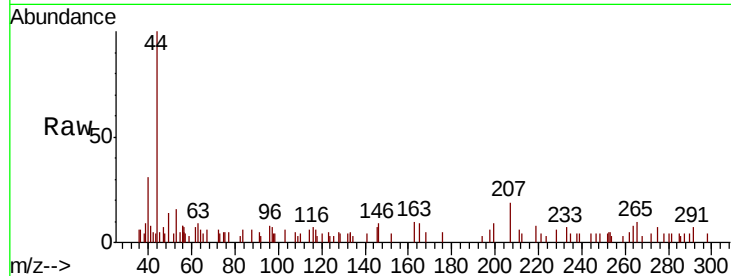
Delta R.T. -0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	955
Ion	Ratio	Lower	Upper
53	100		
52	23.7	68.1	102.1#
51	0.0	27.7	41.5#



#16

Acetone

Concen: 958.565 ug/l

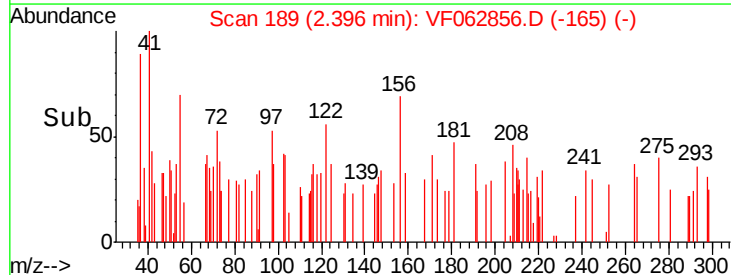
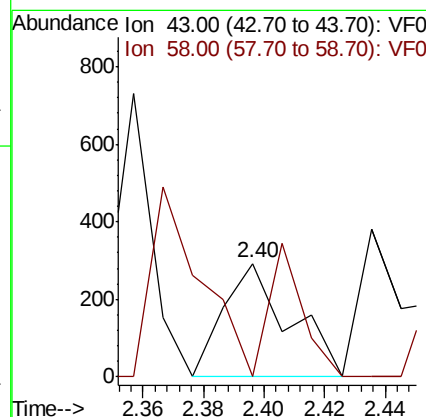
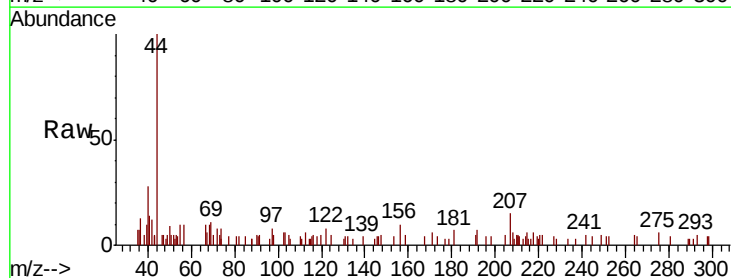
RT: 2.40 min Scan# 189

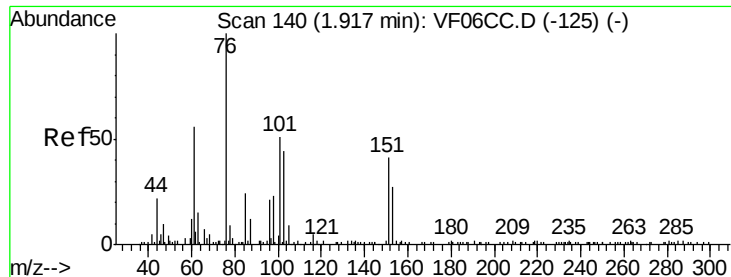
Delta R.T. 0.03 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion:	43	Resp:	443
Ion	Ratio	Lower	Upper
43	100		
58	0.0	19.0	28.4#





#17

Carbon Disulfide

Concen: 57.669 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

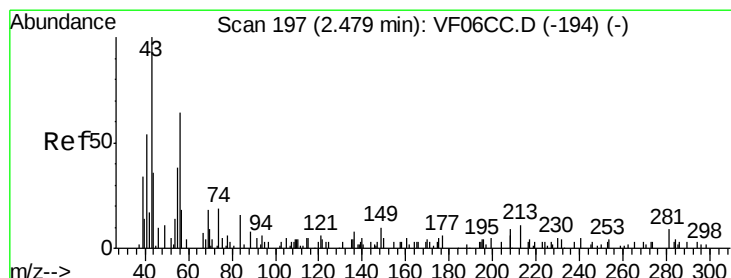
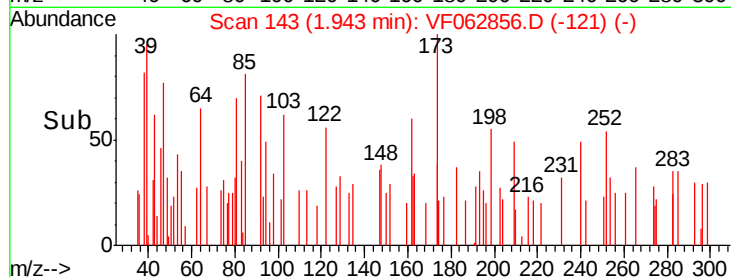
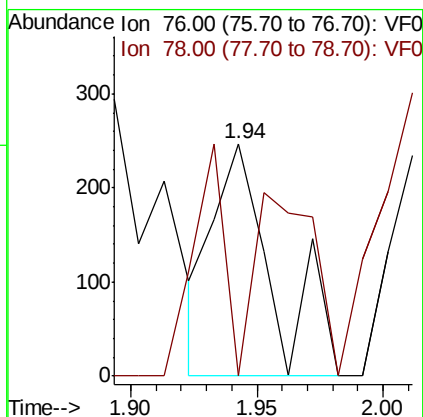
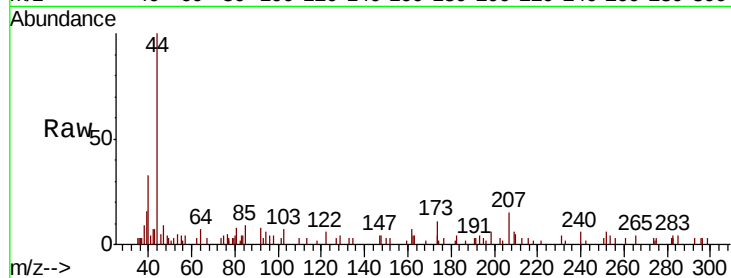
ClientSampled :

Tot Ion: 76 Resp: 409

Ion Ratio Lower Upper

76 100

78 0.0 9.4 14.2#



#18

Methyl Acetate

Concen: 640.167 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.05 min

Lab File: VF062856.D

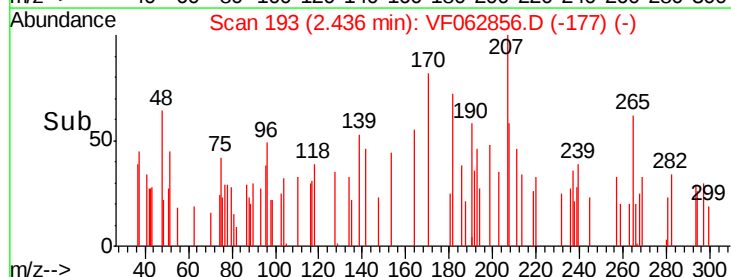
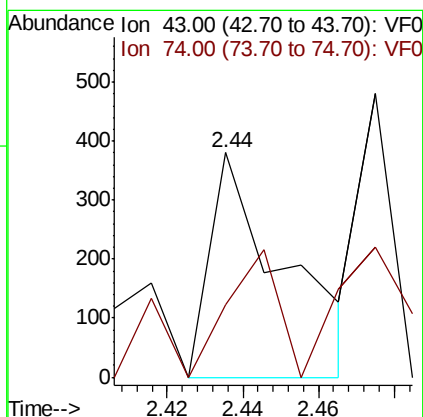
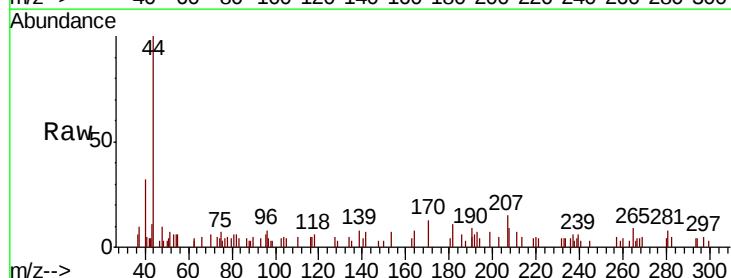
Acq: 4 Jun 2019 23:18

Tgt Ion: 43 Resp: 517

Ion Ratio Lower Upper

43 100

74 32.1 22.1 33.1



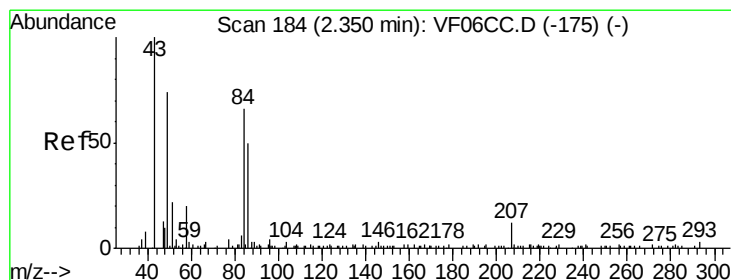
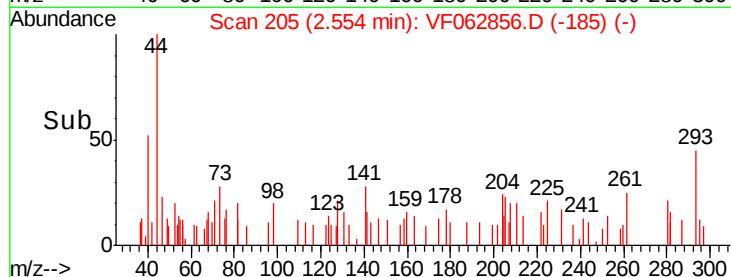
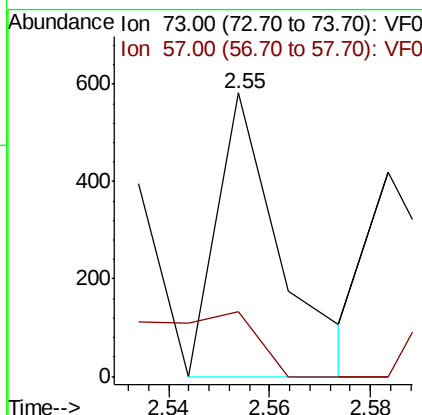
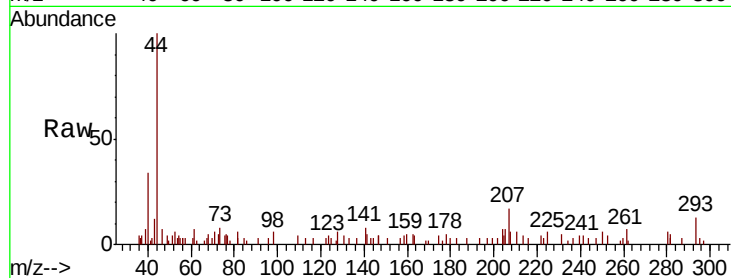


#19

Methyl tert-butyl Ether
 Concen: 116.236 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062856.D
 Acq: 4 Jun 2019 23:18

Instrument :
 MSVOA_F
 ClientSampleId :

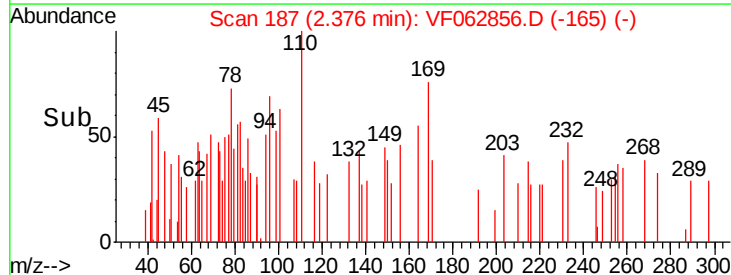
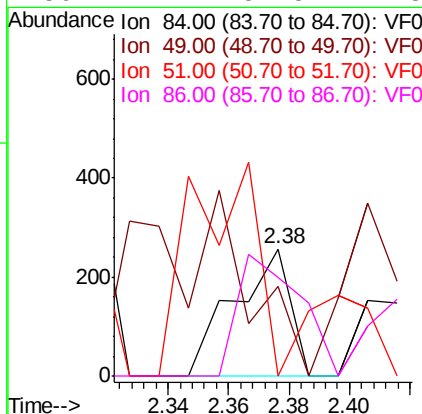
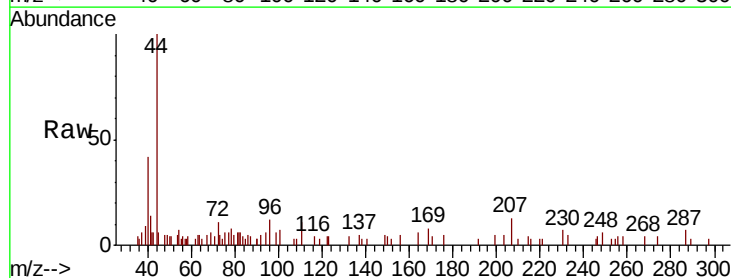
Tot Ion: 73 Resp: 511
 Ion Ratio Lower Upper
 73 100
 57 22.9 15.1 22.7#

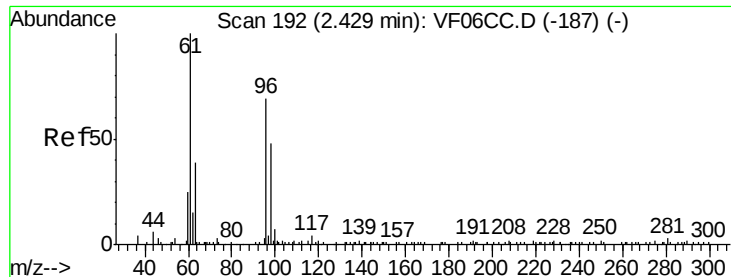


#20

Methylene Chloride
 Concen: 149.394 ug/l
 RT: 2.38 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VF062856.D
 Acq: 4 Jun 2019 23:18

Tgt Ion: 84 Resp: 332
 Ion Ratio Lower Upper
 84 100
 49 70.0 82.6 123.8#
 51 0.0 25.0 37.4#
 86 77.4 51.5 77.3#





#21

trans-1,2-Dichloroethene

Concen: 193.590 ug/l

RT: 2.44 min Scan# 193

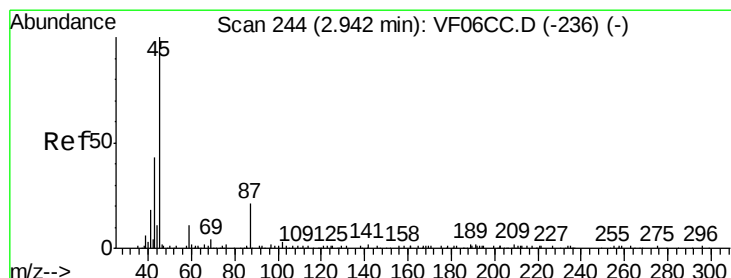
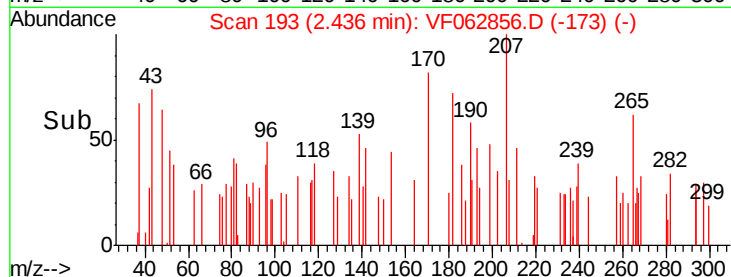
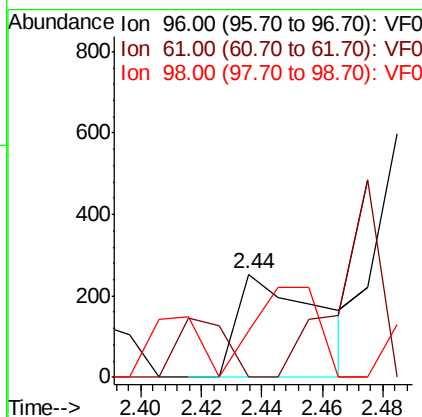
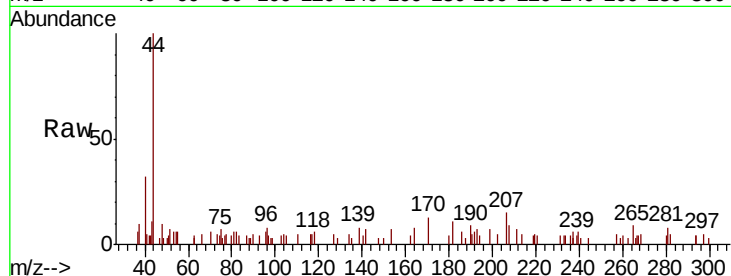
Delta R.T. -0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	471
Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.0	157.6#
98	89.0	51.1	76.7#



#22

Diisopropyl ether

Concen: 62.449 ug/l

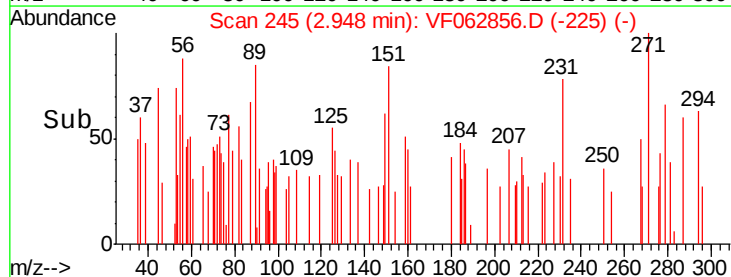
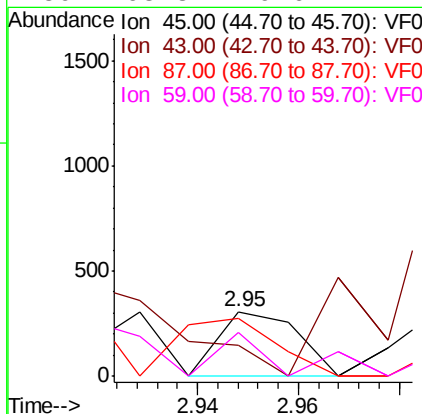
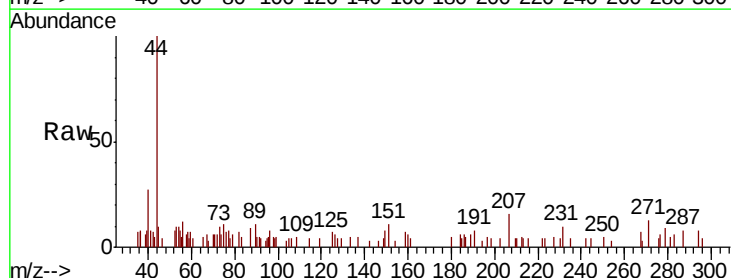
RT: 2.95 min Scan# 245

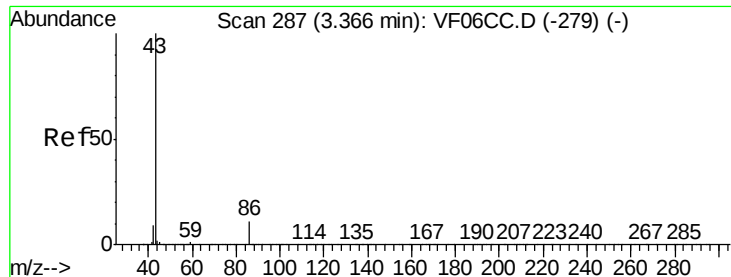
Delta R.T. -0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion:	45	Resp:	334
Ion	Ratio	Lower	Upper
45	100		
43	47.4	34.3	51.5
87	89.5	19.0	28.4#
59	68.3	9.6	14.4#





#23

Vinyl Acetate

Concen: 417.041 ug/l

RT: 3.39 min Scan# 290

Delta R.T. 0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

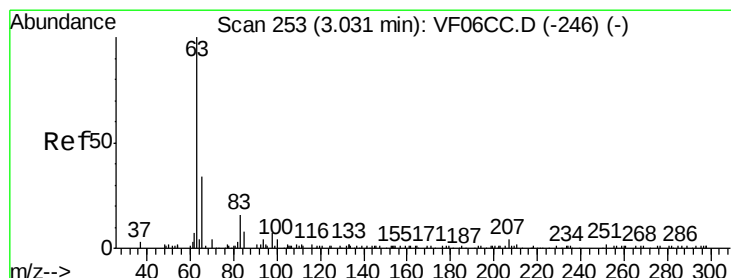
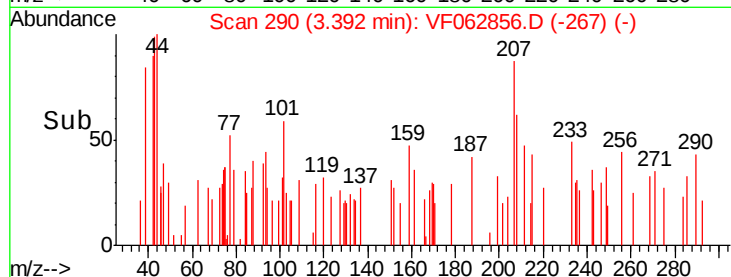
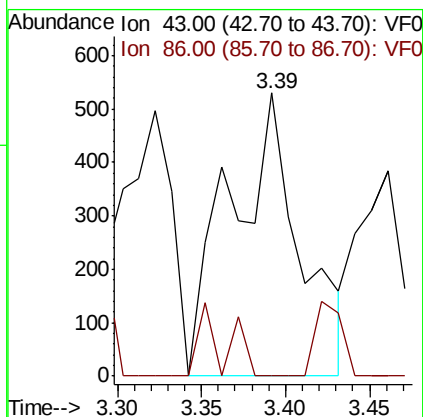
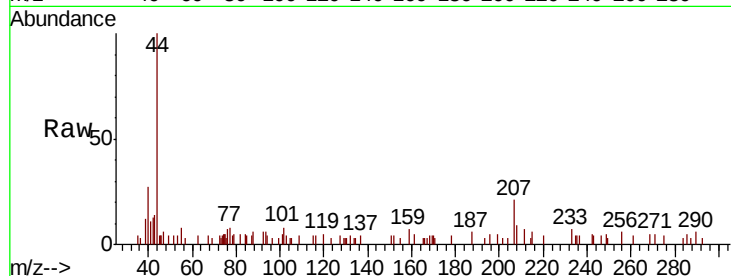
ClientSampled :

Tot Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 157.514 ug/l

RT: 3.06 min Scan# 256

Delta R.T. 0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

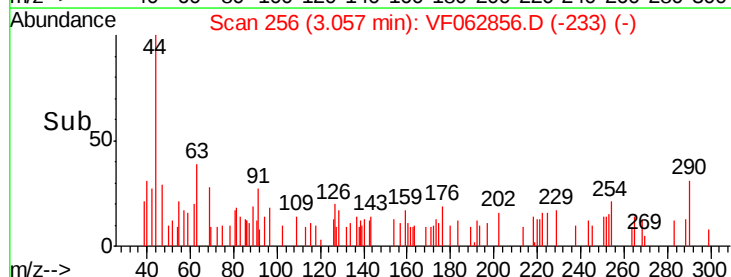
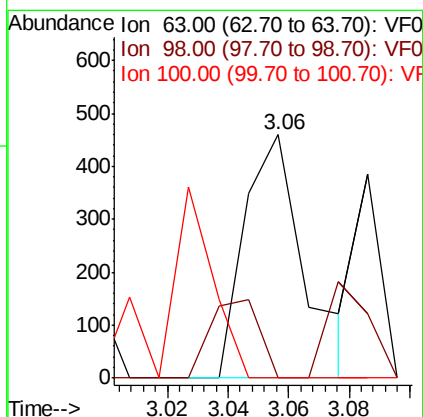
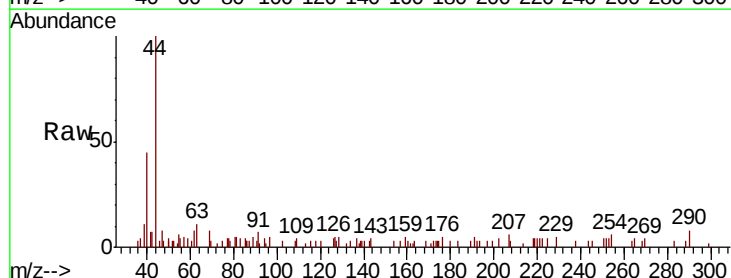
Tgt Ion: 63 Resp: 629

Ion Ratio Lower Upper

63 100

98 0.0 2.4 7.1#

100 0.0 1.5 4.5#

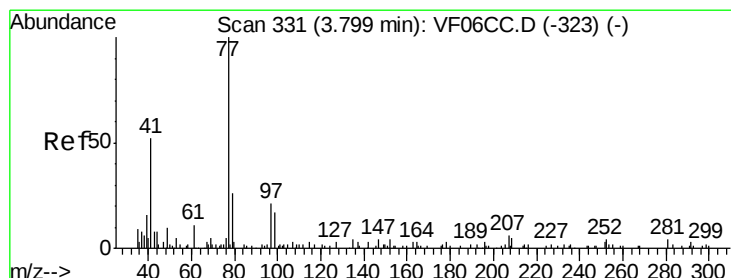
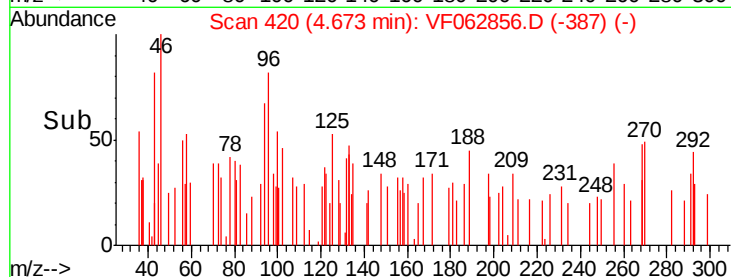
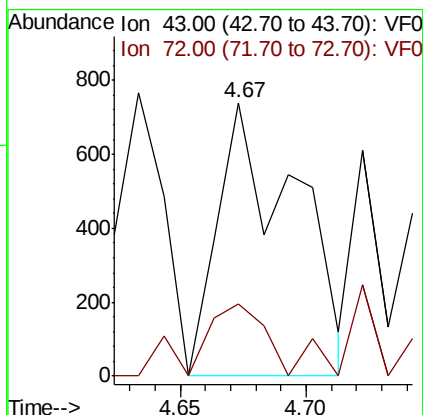
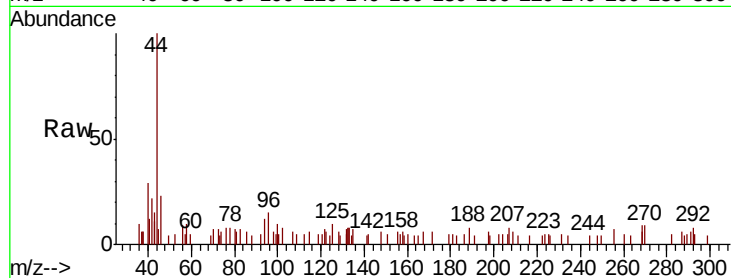




#25
2-Butanone
Concen: 1463.427 ug/l
RT: 4.67 min Scan# 420
Delta R.T. 0.12 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

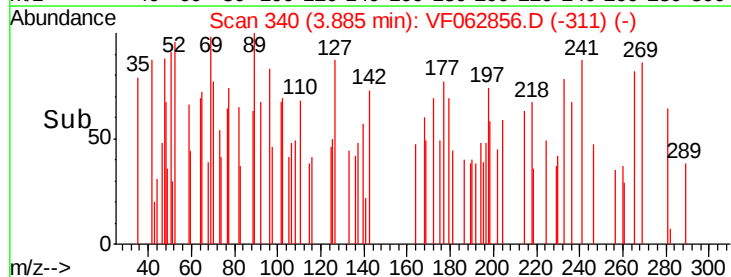
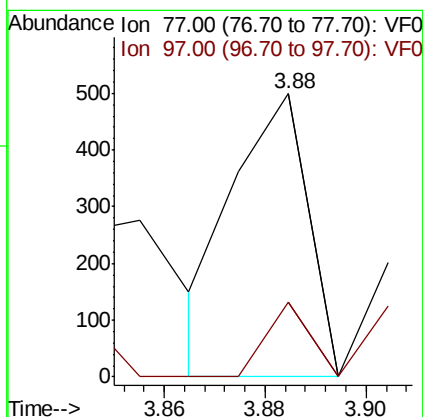
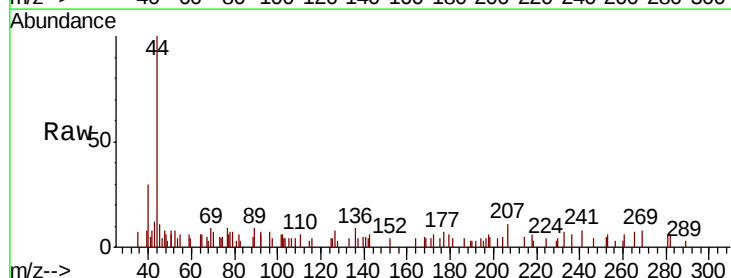
Instrument :
MSVOA_F
ClientSampled :

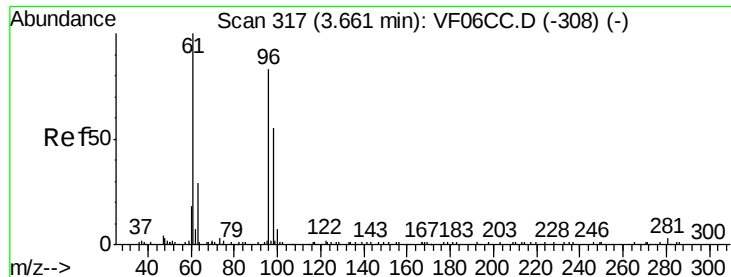
Tot Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
72 26.6 21.4 32.0



#26
2,2-Dichloropropane
Concen: 224.486 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.08 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 77 Resp: 509
Ion Ratio Lower Upper
77 100
97 26.3 12.4 37.4



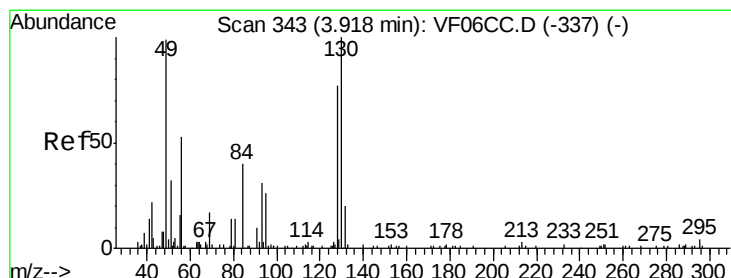
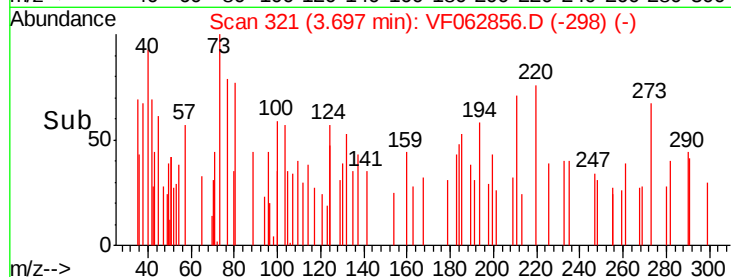
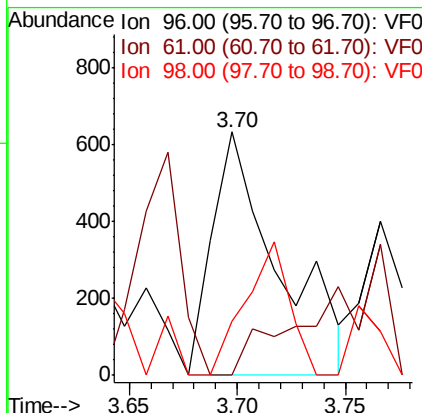
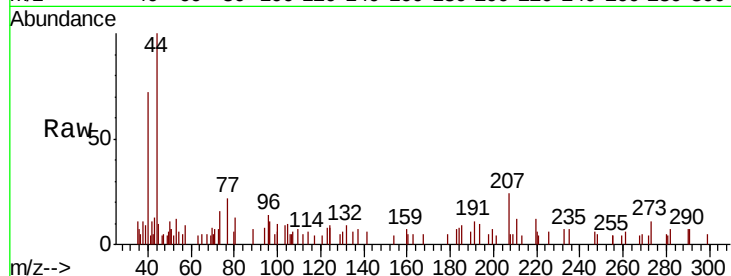


#27

cis-1,2-Dichloroethene
Concen: 330.588 ug/l
RT: 3.70 min Scan# 321
Delta R.T. 0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampleId :

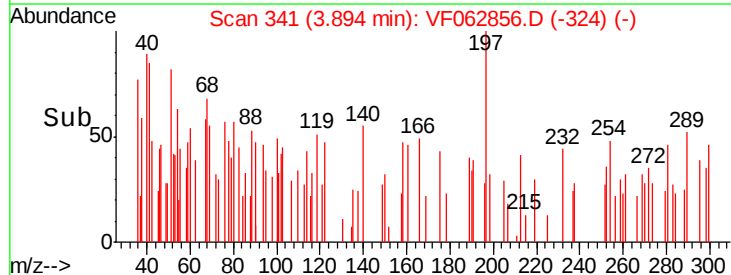
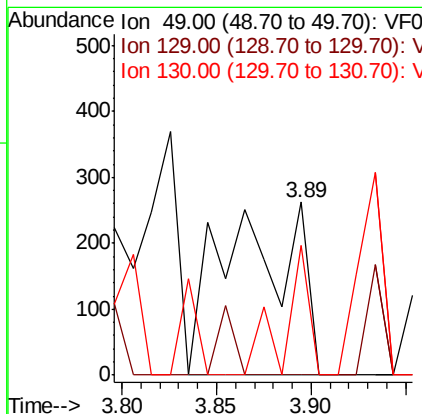
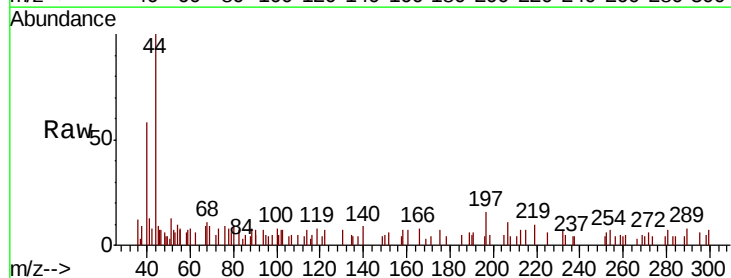
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	213.8
98	22.2	0.0	127.0

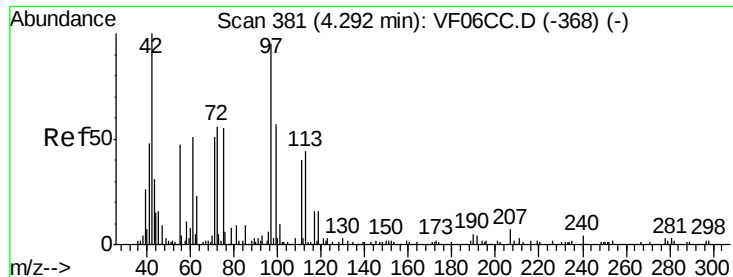


#28

Bromochloromethane
Concen: 318.579 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.04 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	74.8	79.2	118.8#

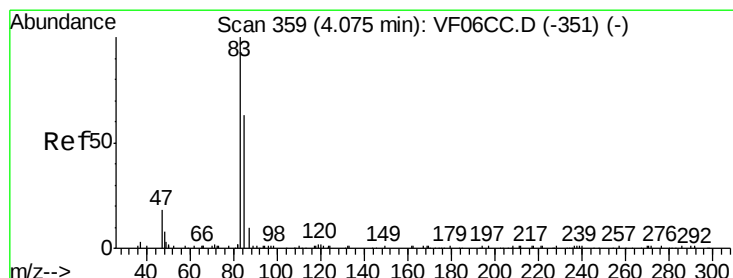
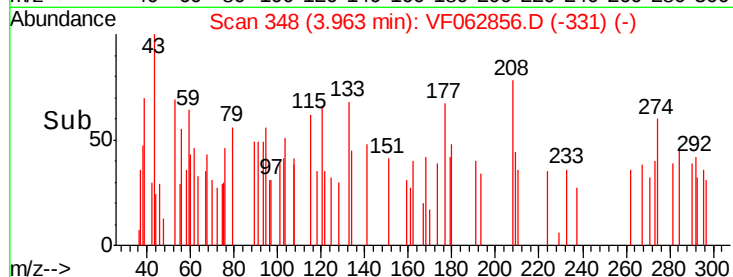
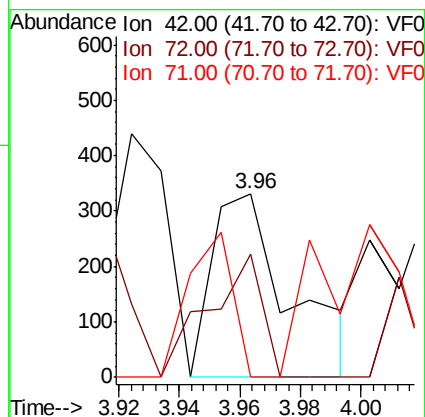
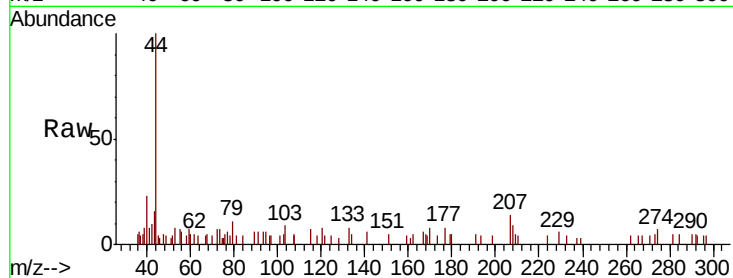




#29
Tetrahydrofuran
Concen: 1464.901 ug/l
RT: 3.96 min Scan# 348
Delta R.T. -0.33 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

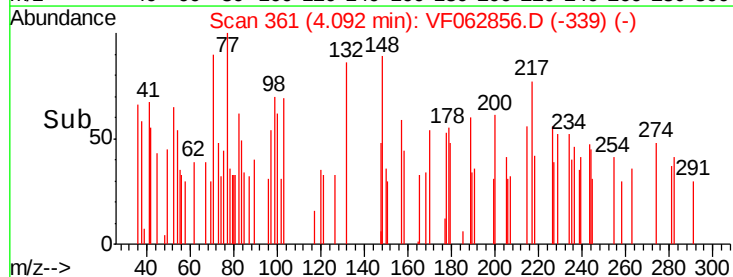
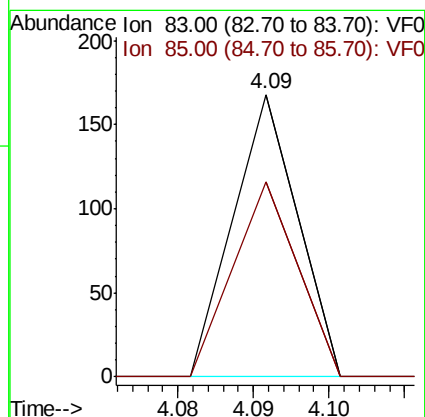
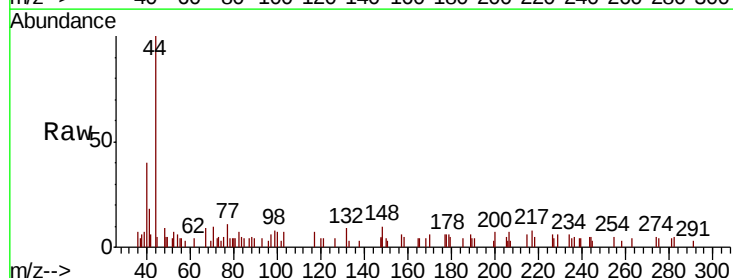
Instrument :
MSVOA_F
ClientSampleId :

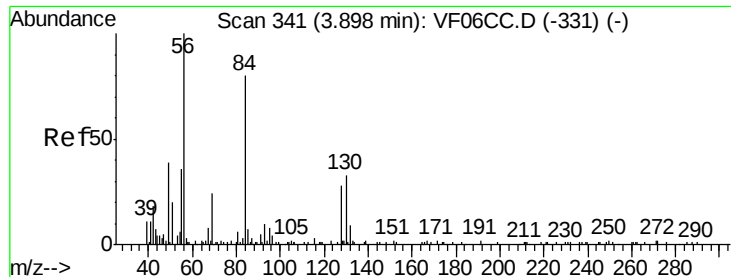
Tot Ion: 42 Resp: 603
Ion Ratio Lower Upper
42 100
72 45.4 39.0 58.6
71 44.1 36.9 55.3



#30
Chloroform
Concen: 17.591 ug/l
RT: 4.09 min Scan# 361
Delta R.T. 0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 83 Resp: 99
Ion Ratio Lower Upper
83 100
85 69.0 55.0 82.6

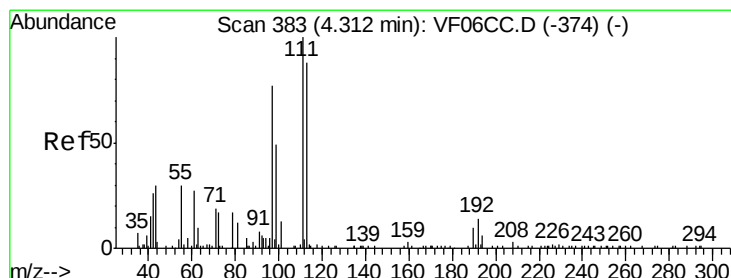
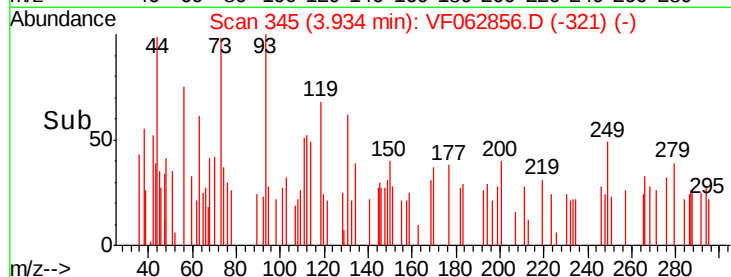
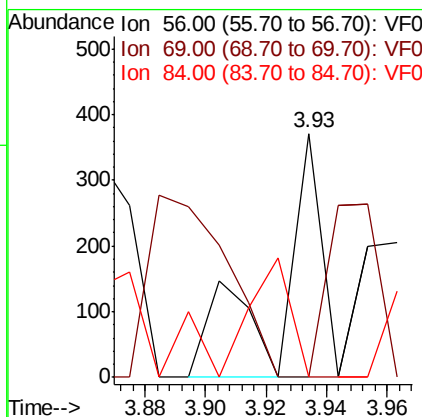
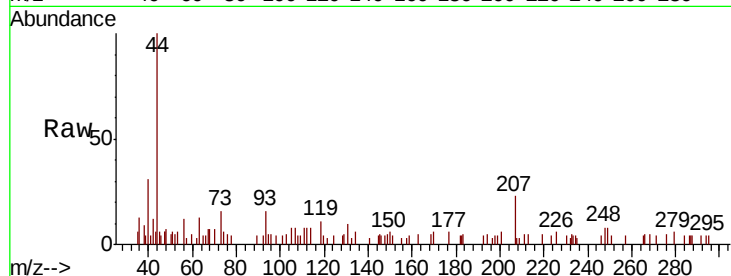




#31
Cyclohexane
Concen: 68.068 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

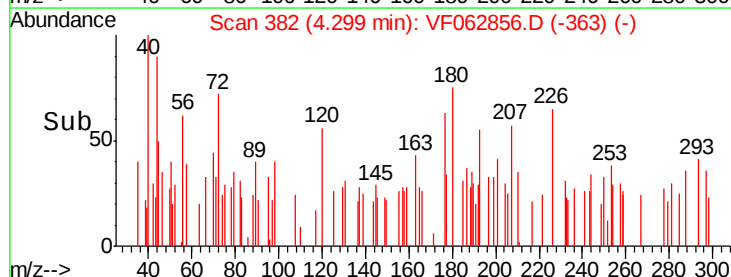
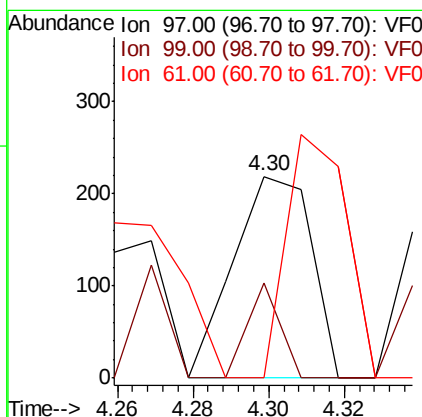
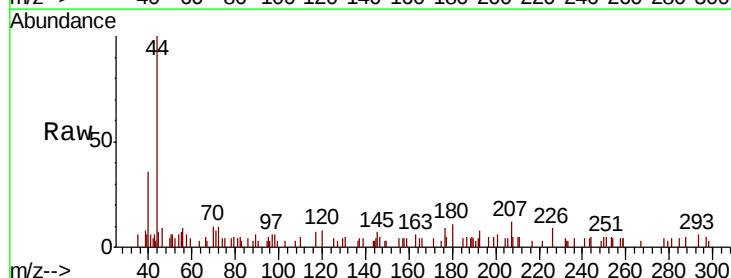
Instrument :
MSVOA_F
ClientSampled :

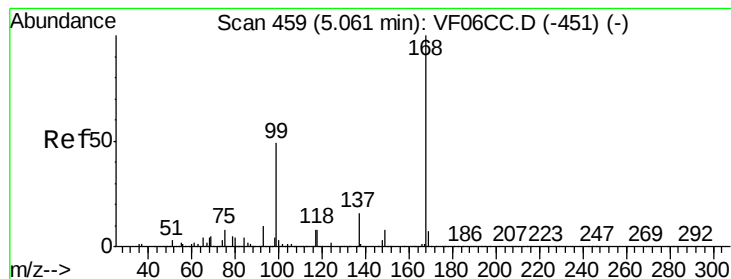
Tot Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 0.0 74.3 111.5#



#32
1,1,1-Trichloroethane
Concen: 95.215 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 97 Resp: 312
Ion Ratio Lower Upper
97 100
99 47.0 51.7 77.5#
61 0.0 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 223.356 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.04 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

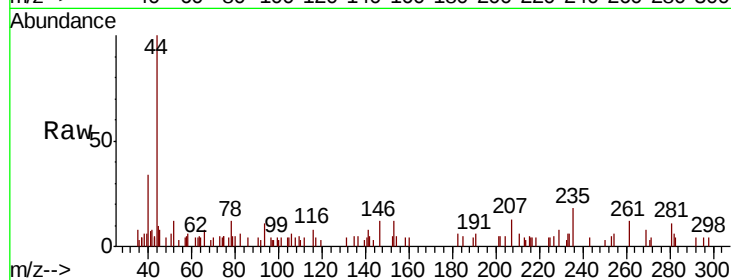
ClientSampled :

Tot Ion: 65 Resp: 451

Ion Ratio Lower Upper

65 100

67 0.0 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

400

300

200

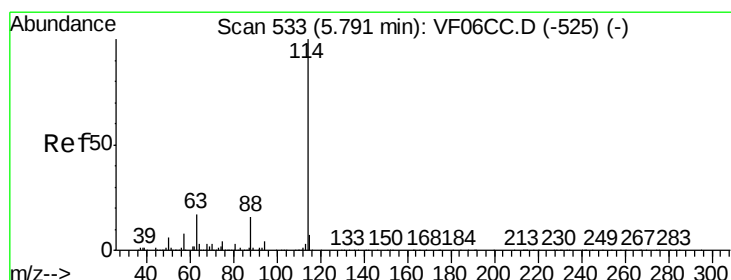
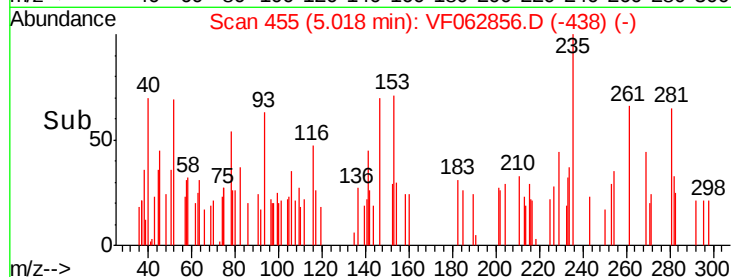
100

0

5.00

5.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.05 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

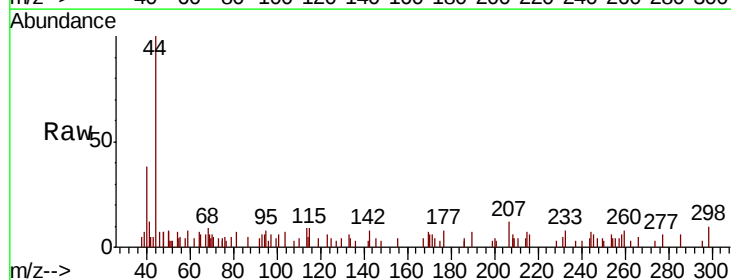
Tgt Ion: 114 Resp: 92

Ion Ratio Lower Upper

114 100

63 0.0 0.0 34.2

88 0.0 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

300

200

100

0

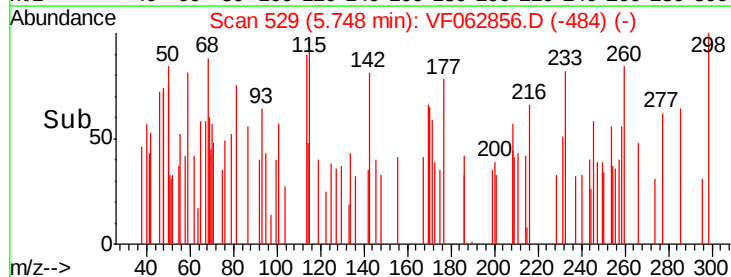
5.73

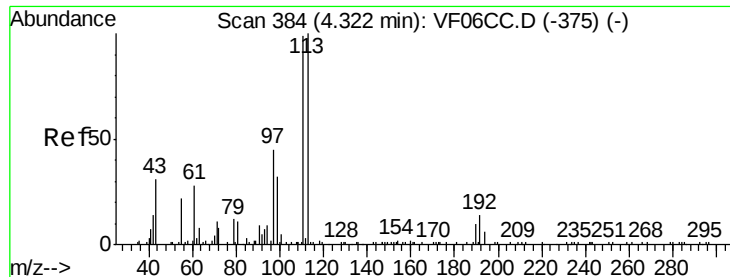
5.74

5.75

5.76

Time-->





#35

Dibromofluoromethane

Concen: 336.594 ug/l

RT: 4.29 min Scan# 381

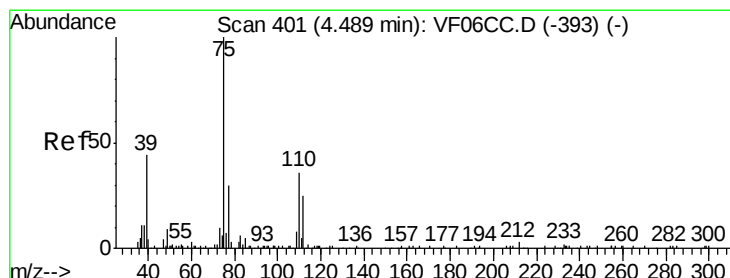
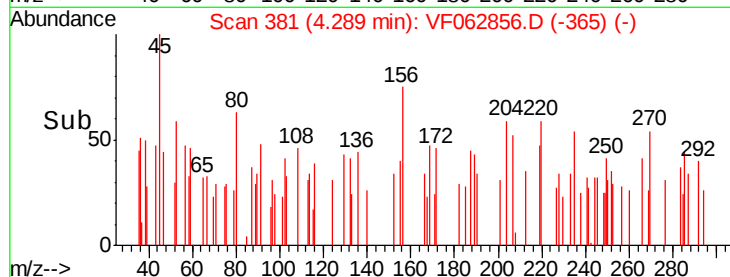
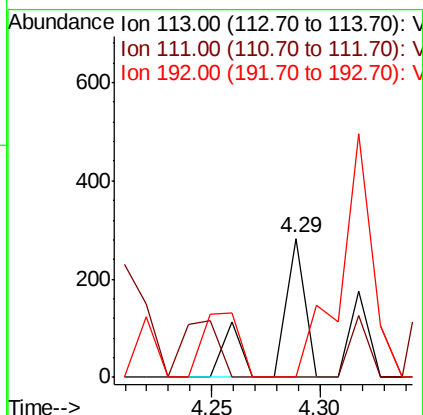
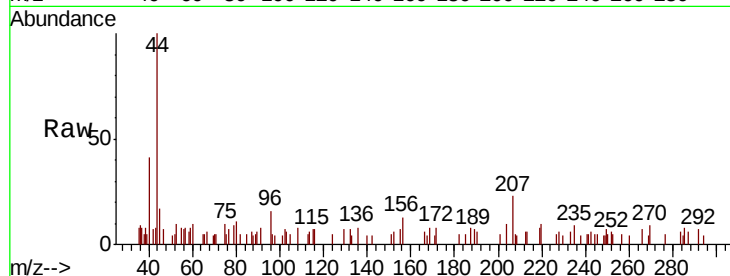
Delta R.T. -0.05 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	113	Resp:	234
Ion	Ratio	Lower	Upper
113	100		
111	0.0	81.9	122.9#
192	0.0	15.1	22.7#



#36

1,1-Dichloropropene

Concen: 558.478 ug/l

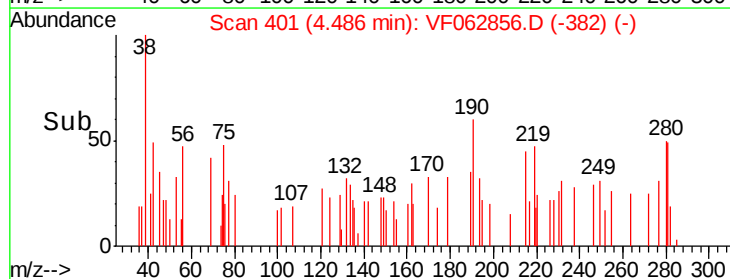
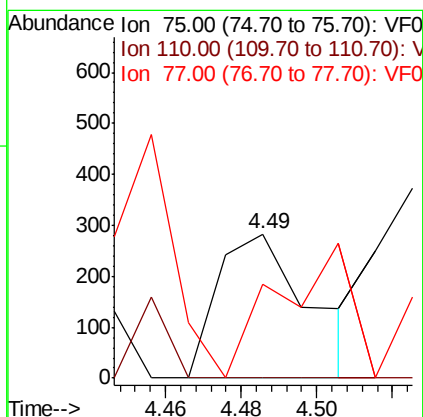
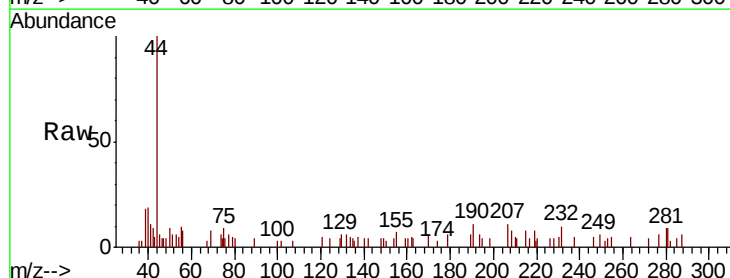
RT: 4.49 min Scan# 401

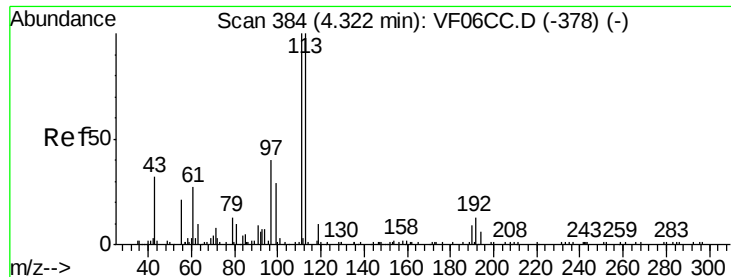
Delta R.T. -0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion:	75	Resp:	473
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.4	58.1#
77	65.0	25.4	38.2#

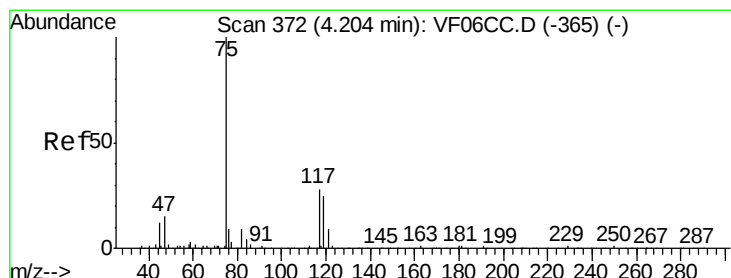
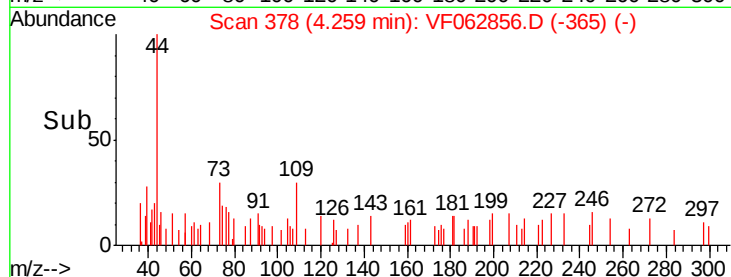
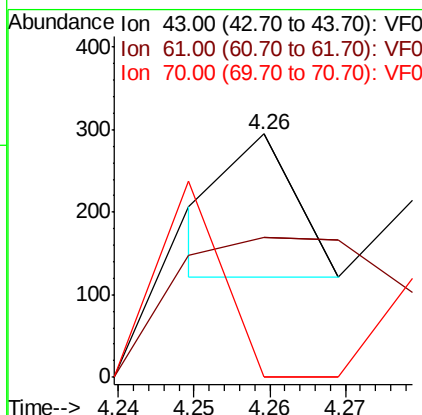
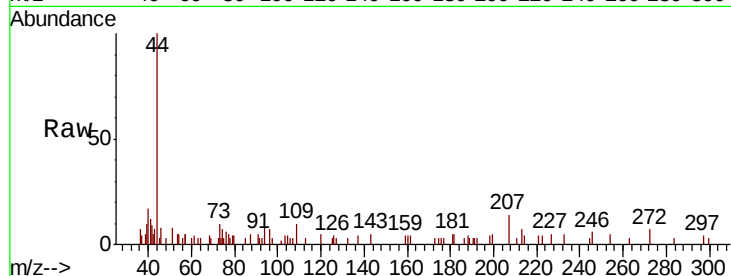




#37
Ethyl Acetate
Concen: 315.051 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.07 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

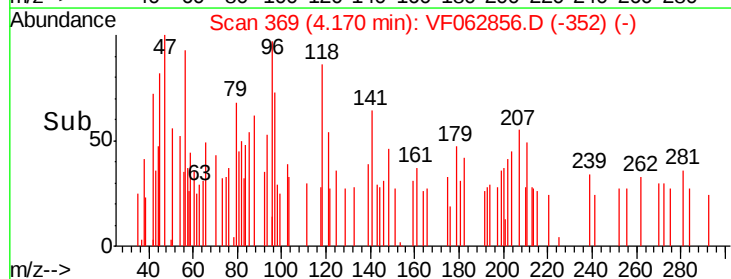
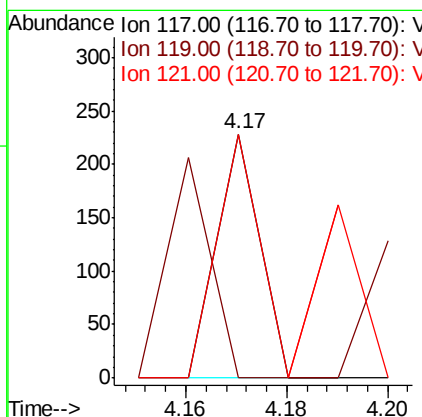
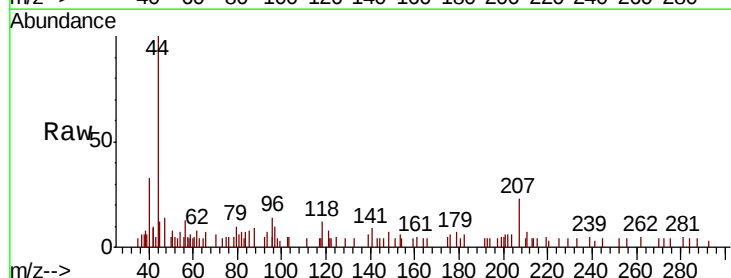
Instrument :
MSVOA_F
ClientSampleId :

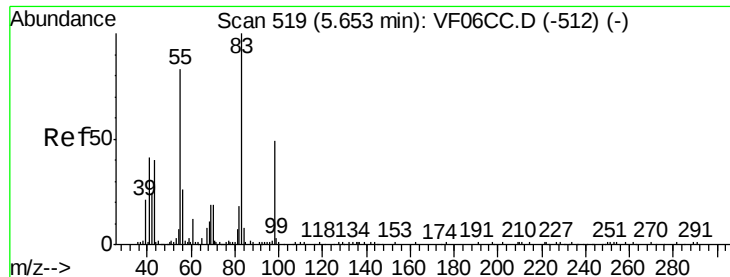
Tot Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
61 57.3 59.1 88.7#
70 0.0 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 235.850 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.04 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 117 Resp: 135
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 100.0 28.2 42.2#

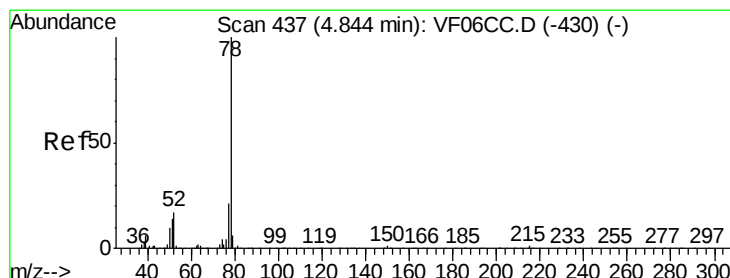
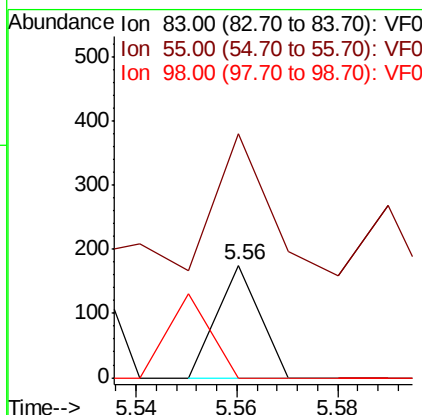
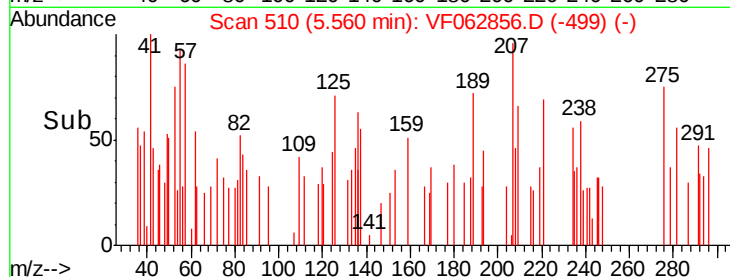
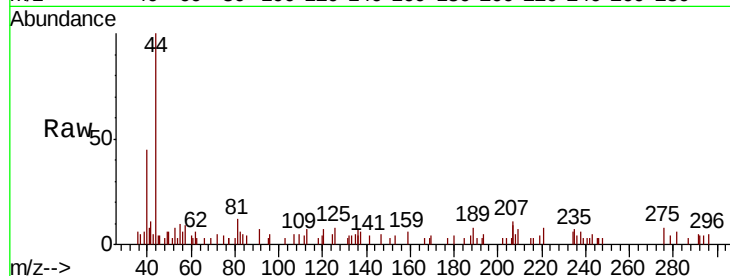




#39
Methylcyclohexane
Concen: 98.662 ug/l
RT: 5.56 min Scan# 510
Delta R.T. -0.09 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

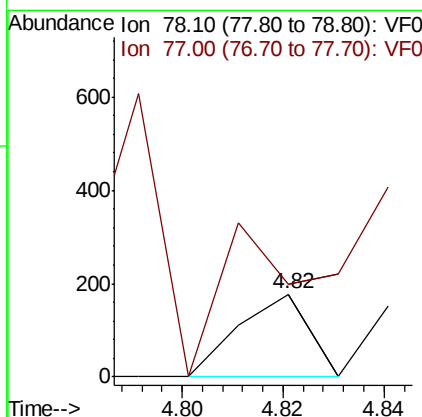
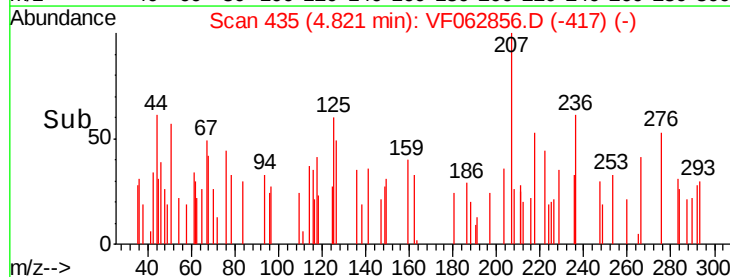
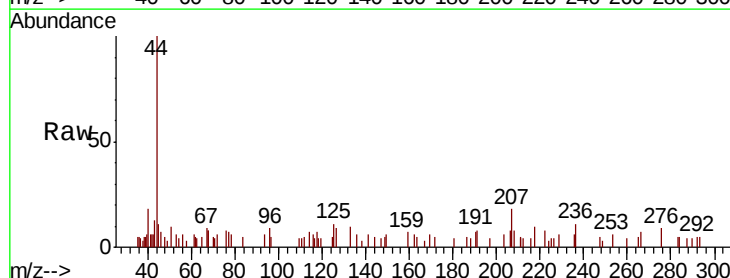
Instrument :
MSVOA_F
ClientSampled :

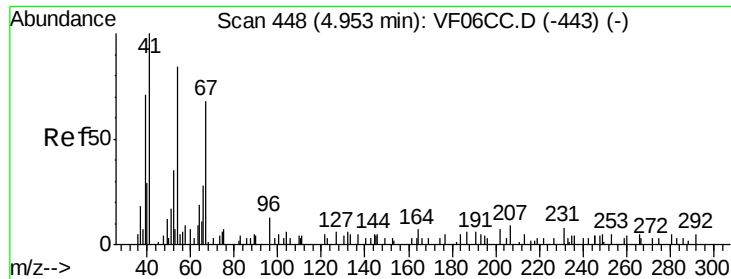
Tot Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
55 217.1 61.6 92.4#
98 0.0 37.4 56.2#



#40
Benzene
Concen: 69.373 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 78 Resp: 171
Ion Ratio Lower Upper
78 100
77 113.0 18.9 28.3#

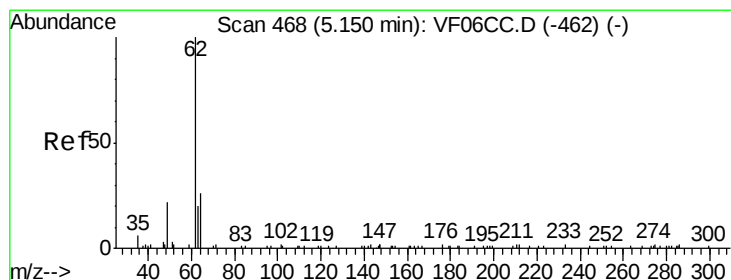
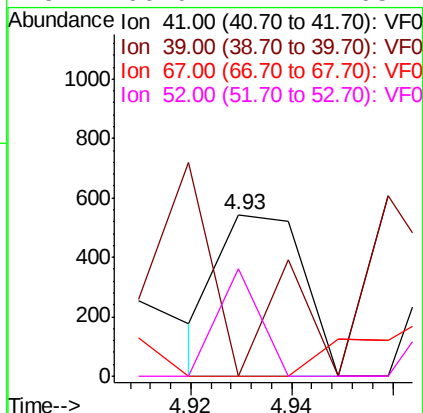
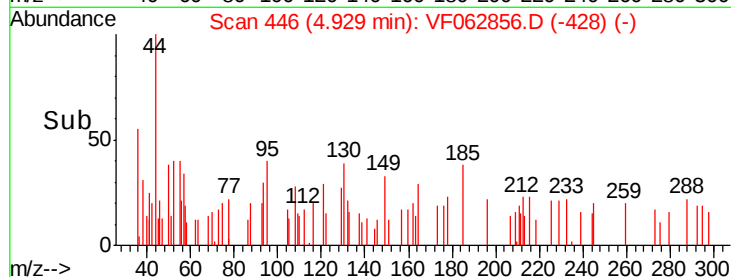
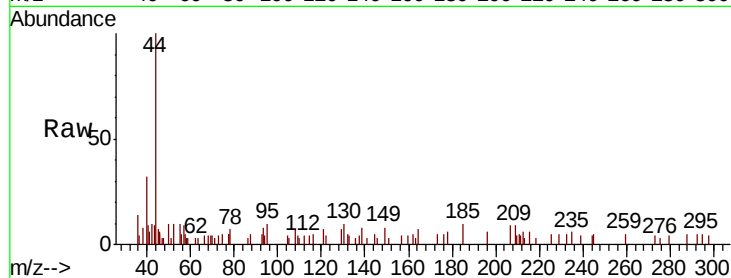




#41
Methacrylonitrile
Concen: 3494.771 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

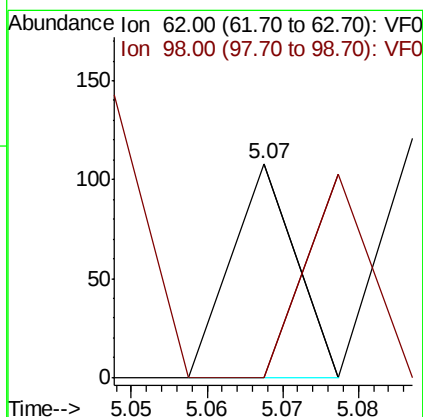
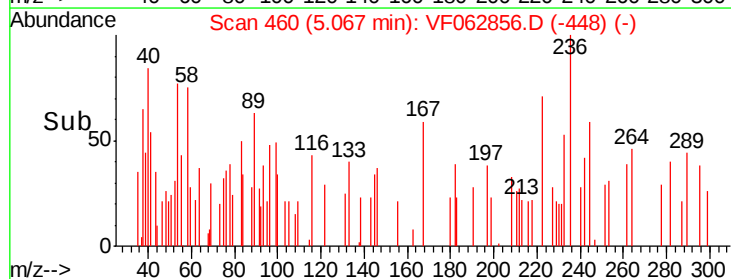
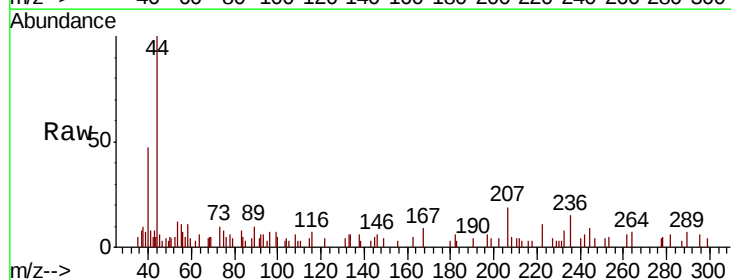
Instrument :
MSVOA_F
ClientSampled :

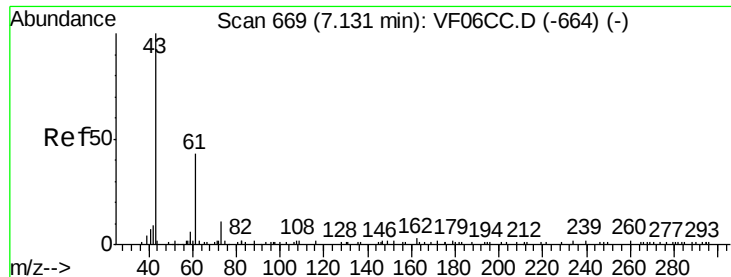
Tot Ion: 41 Resp: 629
Ion Ratio Lower Upper
41 100
39 0.0 42.0 63.0#
67 0.0 61.4 92.0#
52 66.9 42.1 63.1#



#42
1,2-Dichloroethane
Concen: 136.516 ug/l
RT: 5.07 min Scan# 460
Delta R.T. -0.08 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 62 Resp: 64
Ion Ratio Lower Upper
62 100
98 0.0 0.0 24.0





#43

Isopropyl Acetate

Concen: 1309.373 ug/l

RT: 7.04 min Scan# 660

Delta R.T. -0.09 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

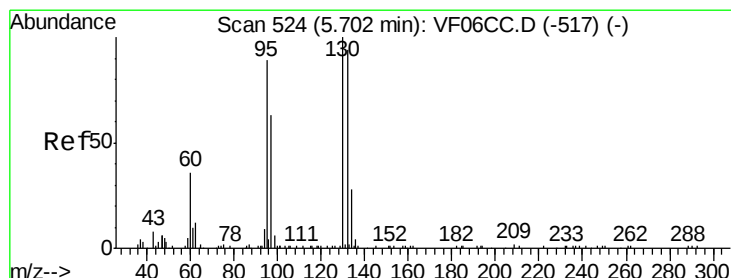
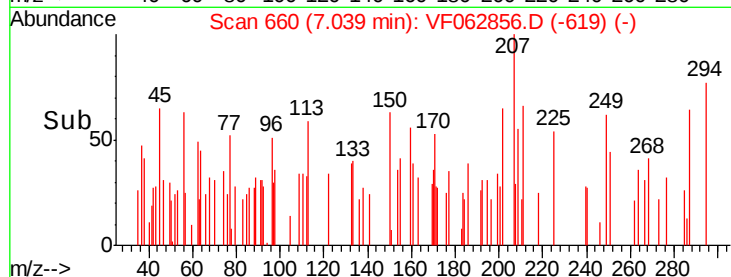
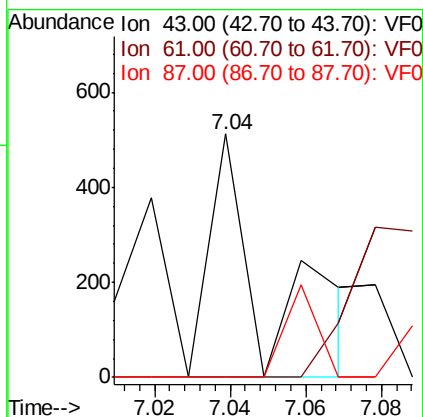
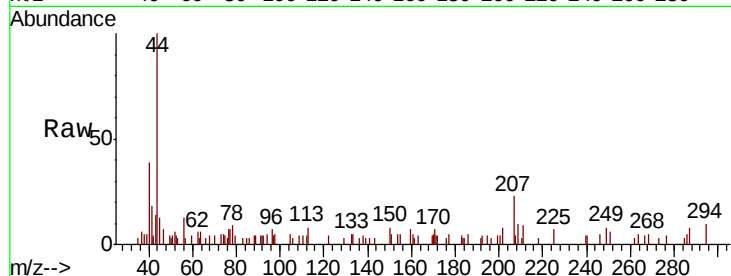
Tot Ion: 43 Resp: 560

Ion Ratio Lower Upper

43 100

61 0.0 29.8 44.6#

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 148.062 ug/l

RT: 5.63 min Scan# 517

Delta R.T. -0.07 min

Lab File: VF062856.D

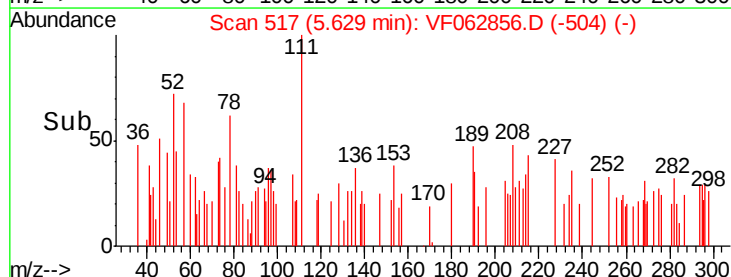
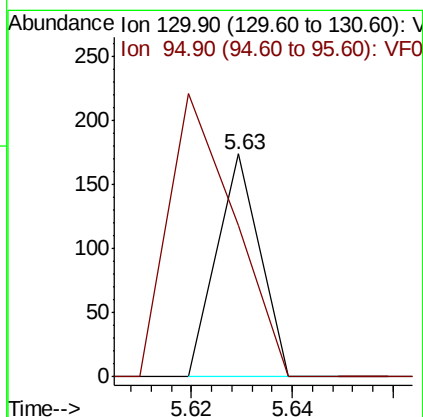
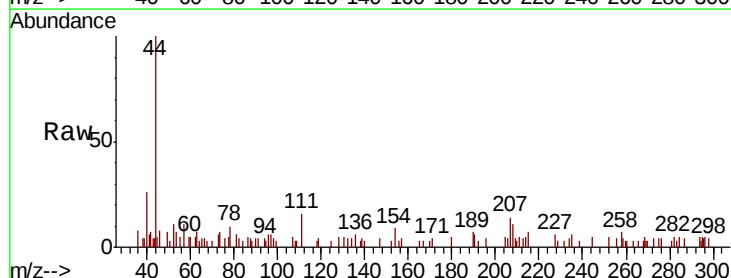
Acq: 4 Jun 2019 23:18

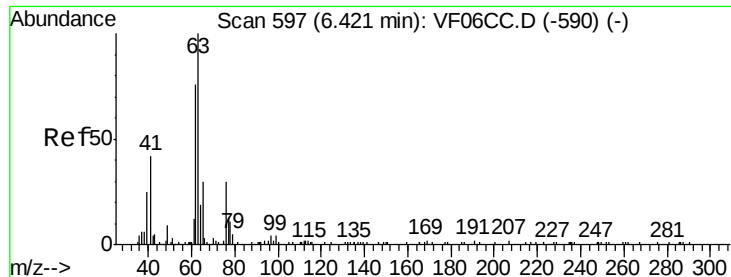
Tgt Ion:130 Resp: 103

Ion Ratio Lower Upper

130 100

95 67.8 0.0 188.2





#45

1,2-Dichloropropane

Concen: 654.745 ug/l

RT: 6.37 min Scan# 592

Delta R.T. -0.06 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

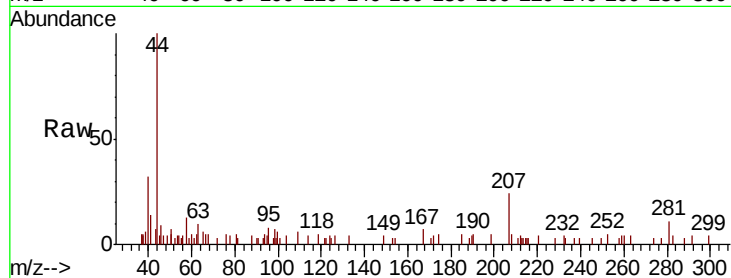
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 405

Ion Ratio Lower Upper

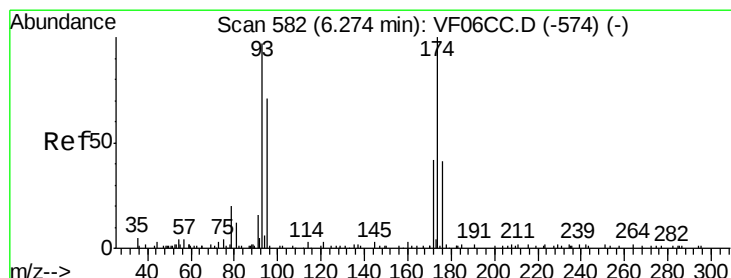
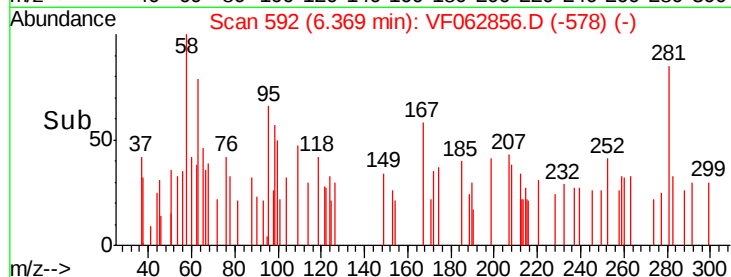
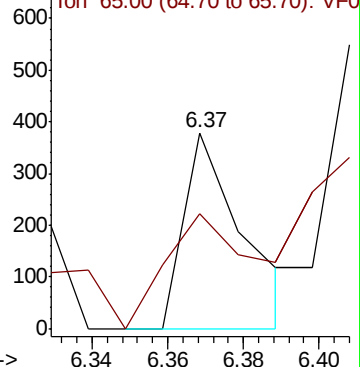
63 100

65 59.0 24.2 36.2#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 168.908 ug/l

RT: 6.19 min Scan# 574

Delta R.T. -0.09 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

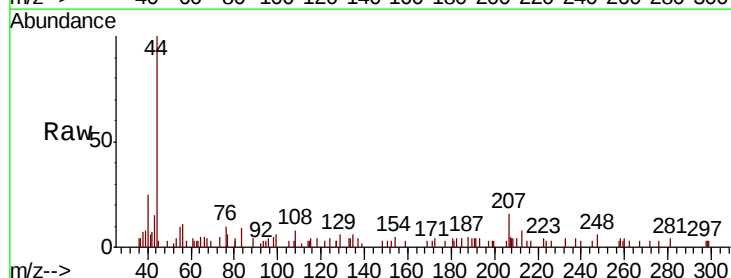
Tgt Ion: 93 Resp: 61

Ion Ratio Lower Upper

93 100

95 165.0 67.9 101.9#

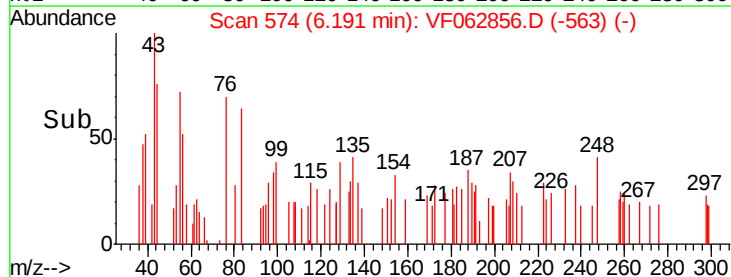
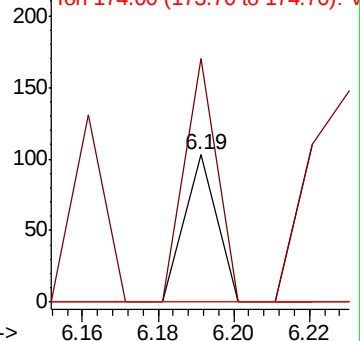
174 0.0 85.0 127.4#

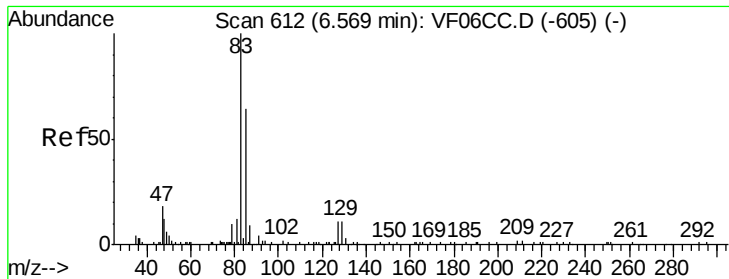


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 318.155 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.05 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampled :

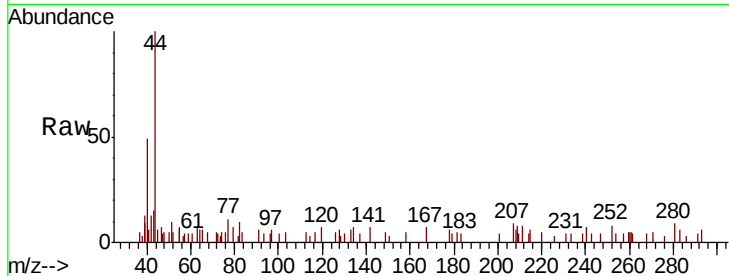
Tot Ion: 83 Resp: 234

Ion Ratio Lower Upper

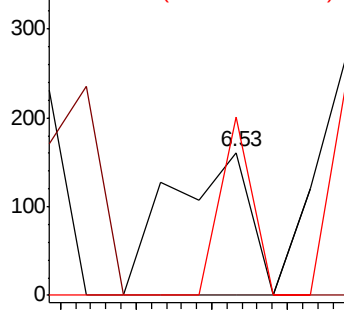
83 100

85 0.0 54.2 81.4#

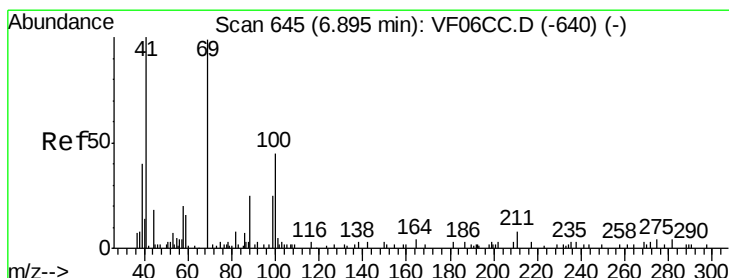
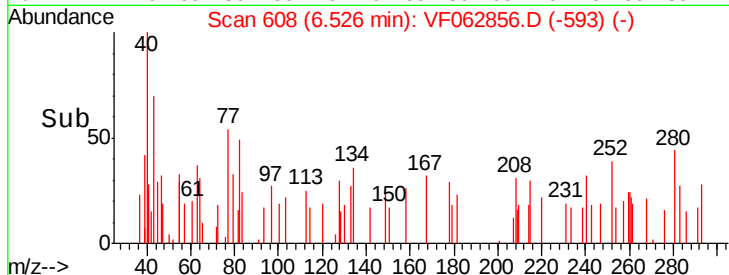
127 124.8 7.0 10.4#



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



Time-->



#48

Methyl methacrylate

Concen: 2849.181 ug/l

RT: 6.83 min Scan# 639

Delta R.T. -0.06 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

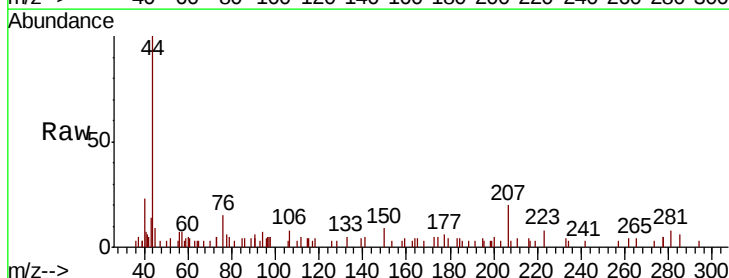
Tgt Ion: 41 Resp: 628

Ion Ratio Lower Upper

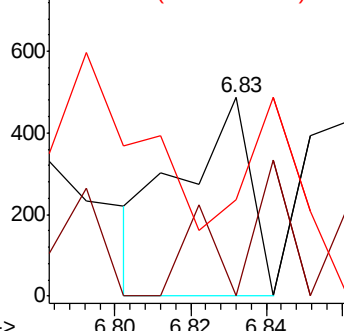
41 100

69 0.0 79.4 119.2#

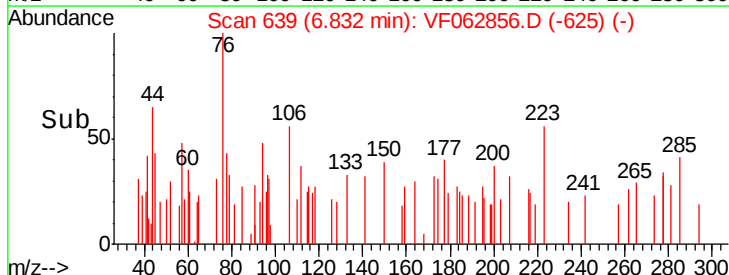
39 48.7 39.8 59.6

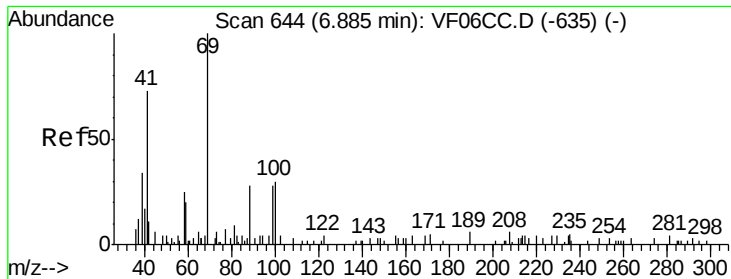


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



Time-->

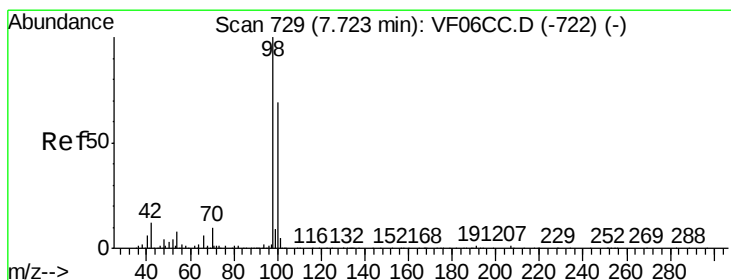
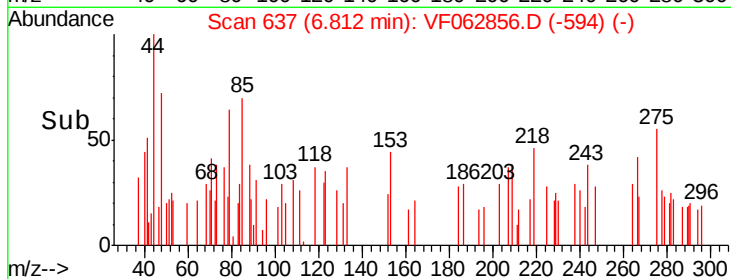
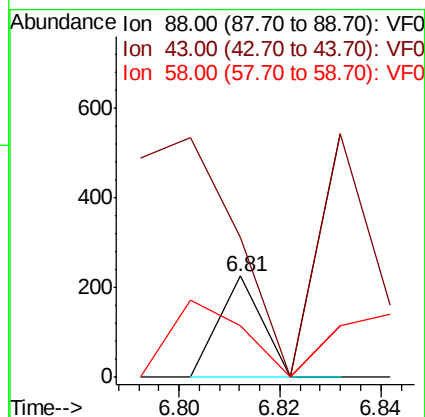
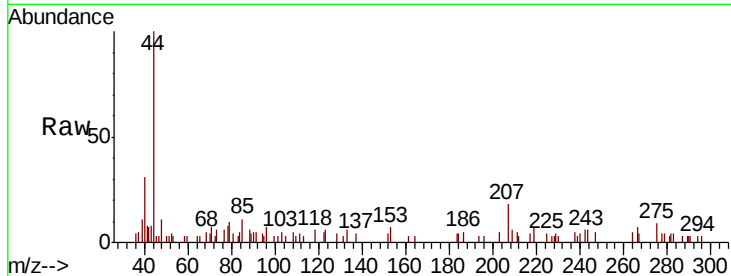




#49
1,4-Dioxane
Concen: 46122.494 ug/l
RT: 6.81 min Scan# 637
Delta R.T. -0.07 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

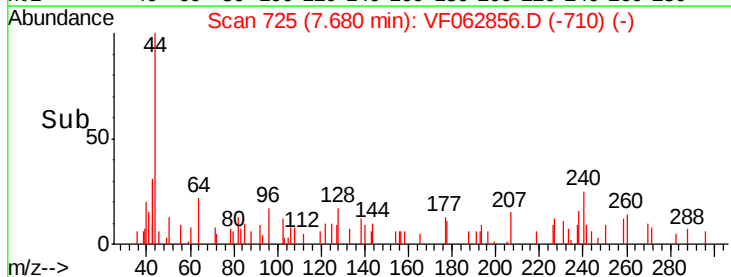
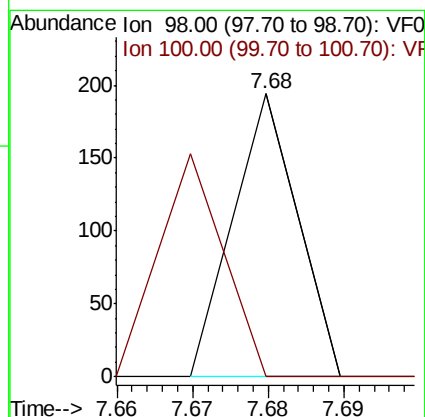
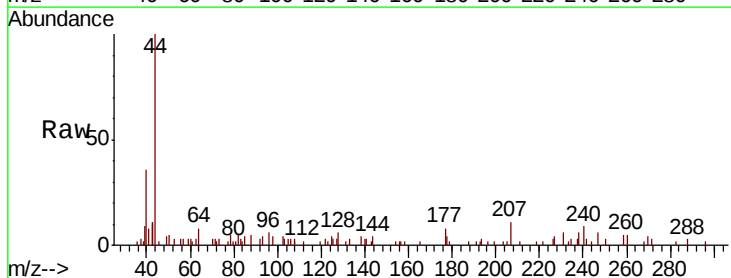
Instrument :
MSVOA_F
ClientSampleId :

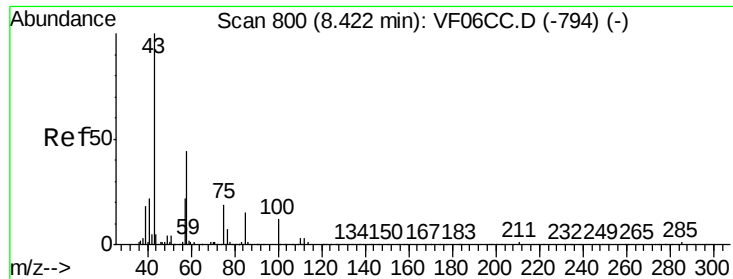
Tot Ion: 88 Resp: 134
Ion Ratio Lower Upper
88 100
43 137.6 34.8 52.2#
58 51.3 59.9 89.9#



#50
Toluene-d8
Concen: 65.415 ug/l
RT: 7.68 min Scan# 725
Delta R.T. -0.05 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 98 Resp: 115
Ion Ratio Lower Upper
98 100
100 0.0 59.8 89.8#





#51

4-Methyl-2-Pentanone

Concen: 4526.071 ug/l

RT: 8.34 min Scan# 792

Delta R.T. -0.08 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

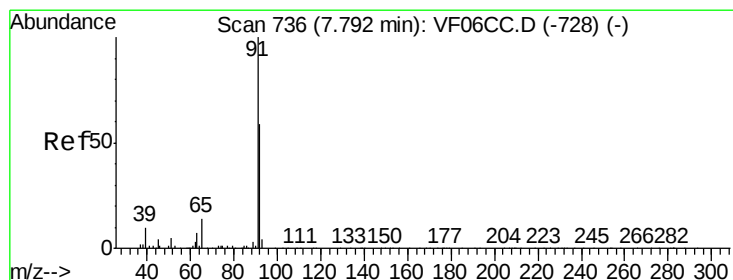
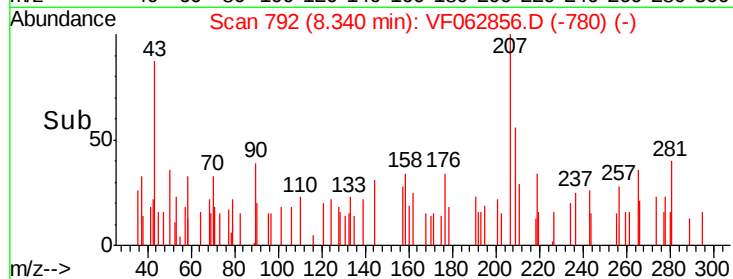
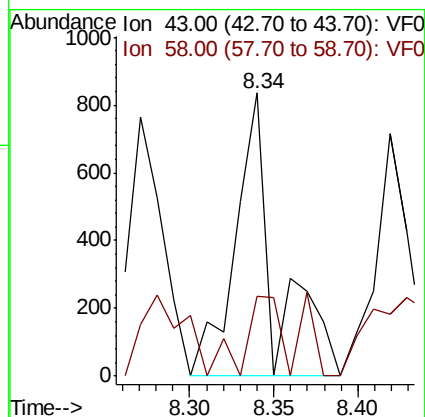
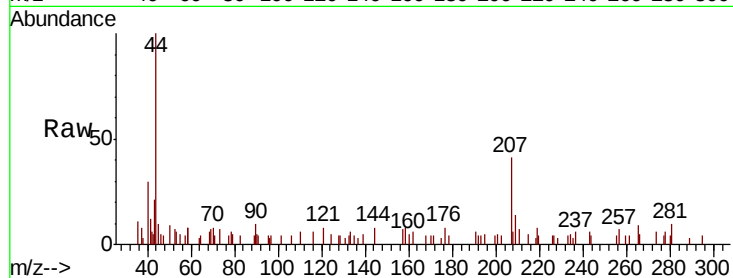
ClientSampled :

Tot Ion: 43 Resp: 1382

Ion Ratio Lower Upper

43 100

58 28.4 35.5 53.3#



#52

Toluene

Concen: 140.852 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.07 min

Lab File: VF062856.D

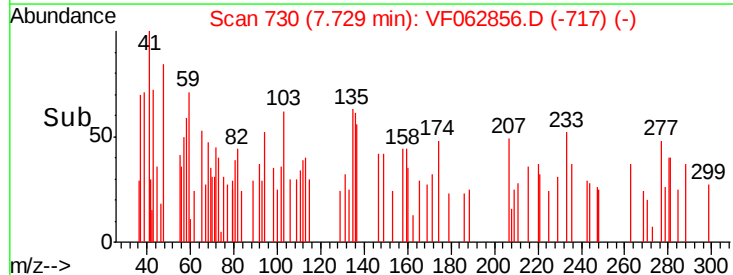
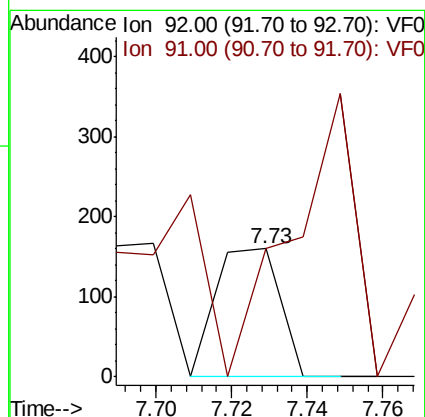
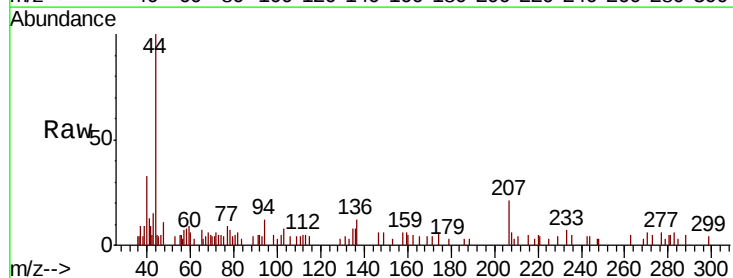
Acq: 4 Jun 2019 23:18

Tgt Ion: 92 Resp: 187

Ion Ratio Lower Upper

92 100

91 100.0 123.2 184.8#

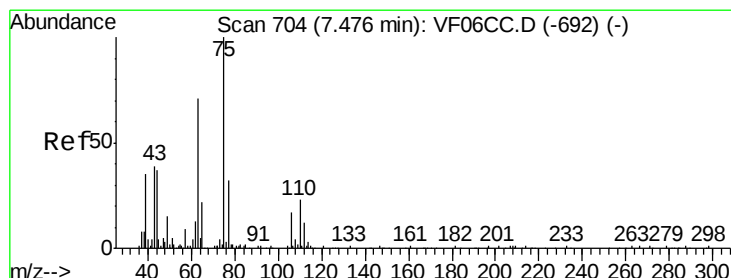
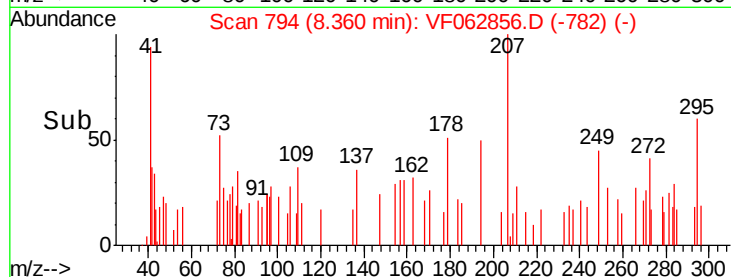
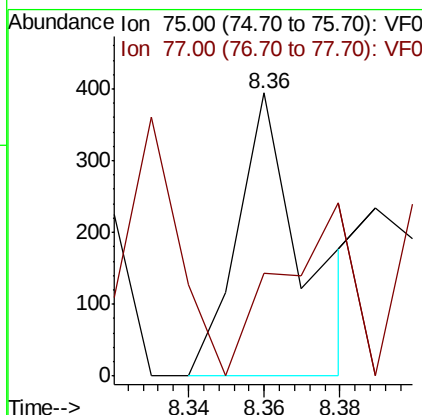
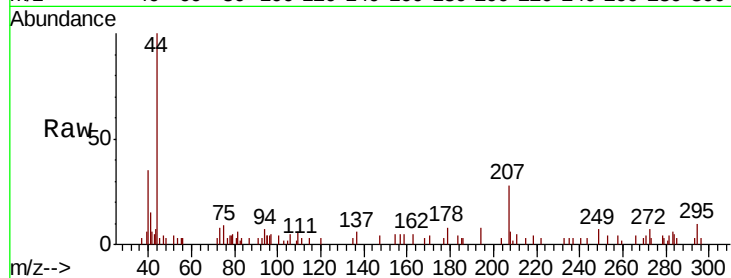




#53
 t-1,3-Dichloropropene
 Concen: 785.938 ug/l
 RT: 8.36 min Scan# 794
 Delta R.T. -0.08 min
 Lab File: VF062856.D
 Acq: 4 Jun 2019 23:18

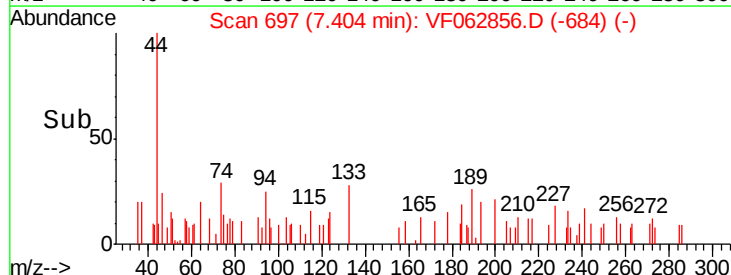
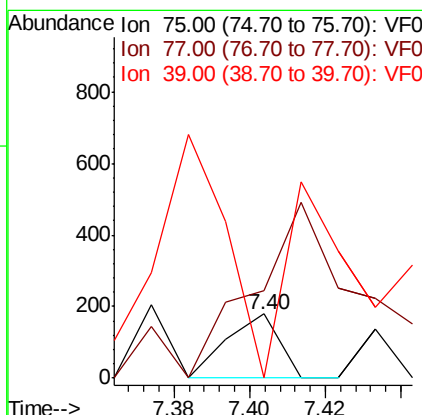
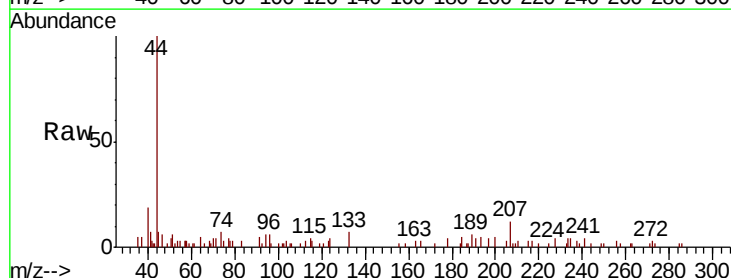
Instrument :
 MSVOA_F
 ClientSampleId :

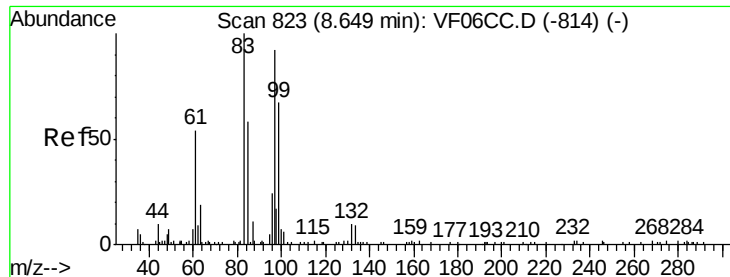
Tot Ion: 75 Resp: 479
 Ion Ratio Lower Upper
 75 100
 77 36.3 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 192.698 ug/l
 RT: 7.40 min Scan# 697
 Delta R.T. -0.07 min
 Lab File: VF062856.D
 Acq: 4 Jun 2019 23:18

Tgt Ion: 75 Resp: 170
 Ion Ratio Lower Upper
 75 100
 77 136.1 25.8 38.8#
 39 0.0 28.4 42.6#





#55

1,1,2-Trichloroethane

Concen: 166.403 ug/l

RT: 8.57 min Scan# 815

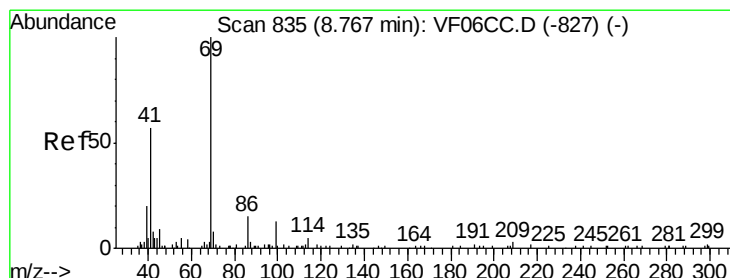
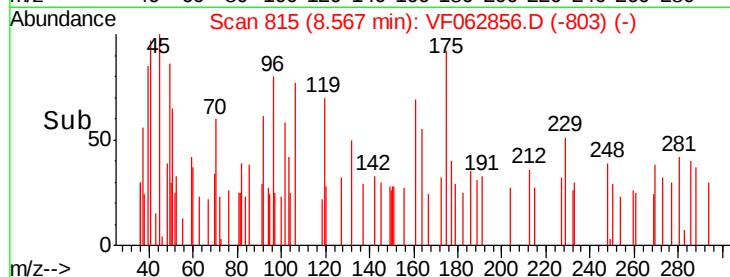
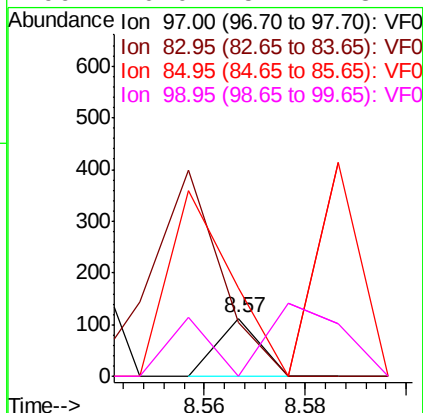
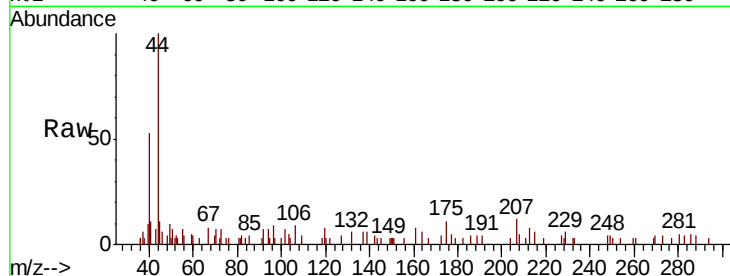
Delta R.T. -0.08 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	97	Resp:	66
Ion	Ratio	Lower	Upper
97	100		
83	92.9	72.0	108.0
85	153.6	47.5	71.3#
99	0.0	54.1	81.1#



#56

Ethyl methacrylate

Concen: 1247.735 ug/l

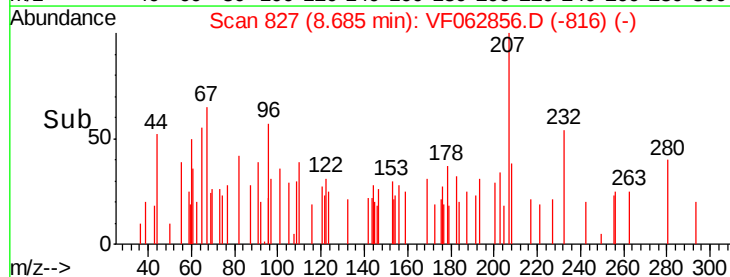
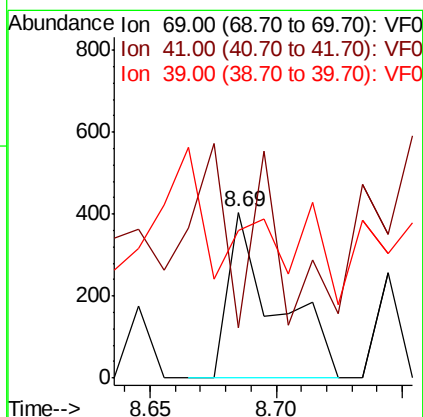
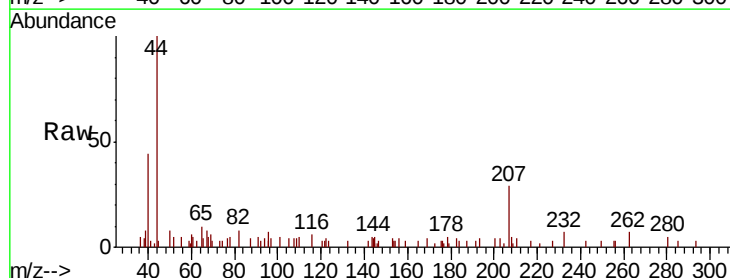
RT: 8.69 min Scan# 827

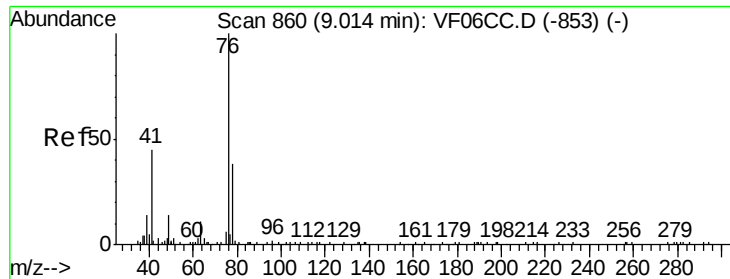
Delta R.T. -0.09 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion:	69	Resp:	531
Ion	Ratio	Lower	Upper
69	100		
41	30.4	46.6	69.8#
39	88.9	19.6	29.4#





#57

1,3-Dichloropropane

Concen: 467.810 ug/l

RT: 8.92 min Scan# 851

Delta R.T. -0.09 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

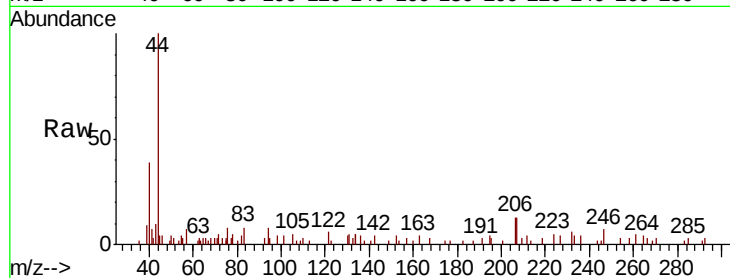
ClientSampled :

Tot Ion: 76 Resp: 303

Ion Ratio Lower Upper

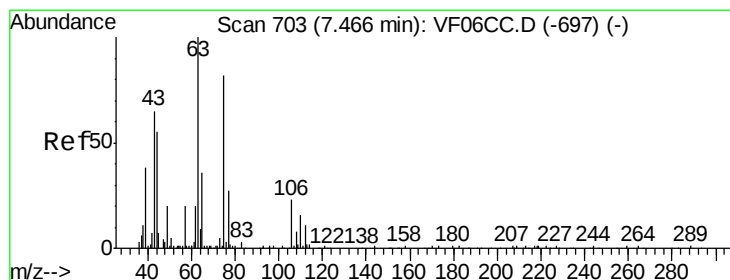
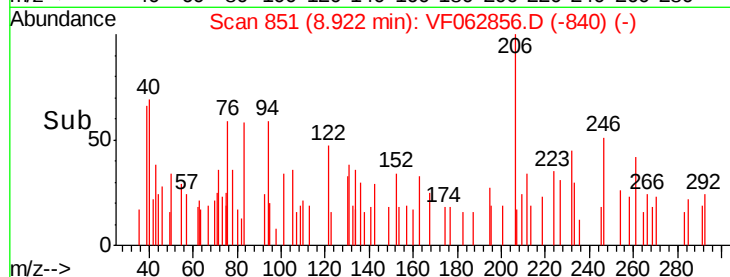
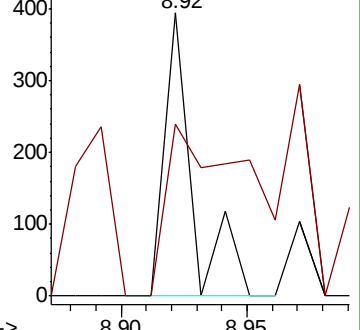
76 100

78 60.7 26.8 40.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 719.414 ug/l

RT: 7.39 min Scan# 696

Delta R.T. -0.07 min

Lab File: VF062856.D

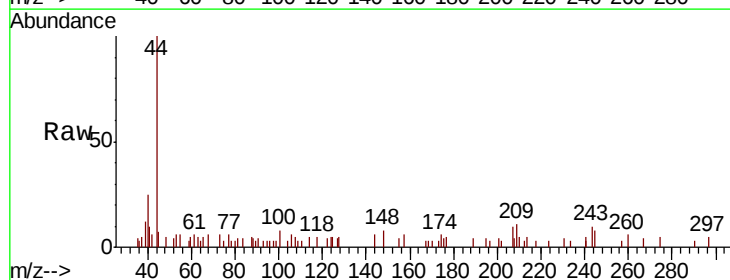
Acq: 4 Jun 2019 23:18

Tgt Ion: 63 Resp: 107

Ion Ratio Lower Upper

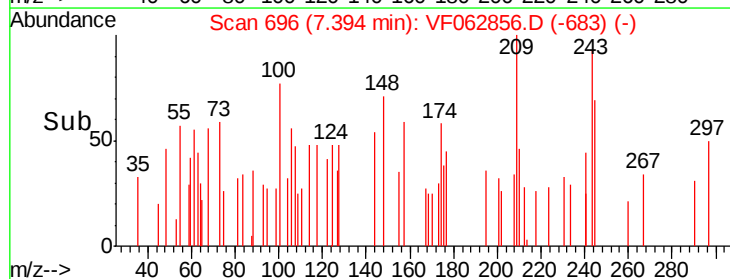
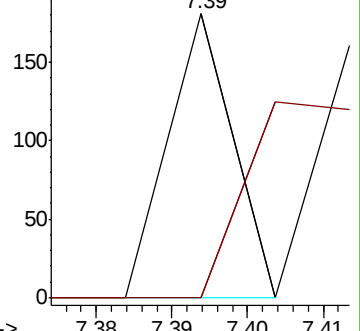
63 100

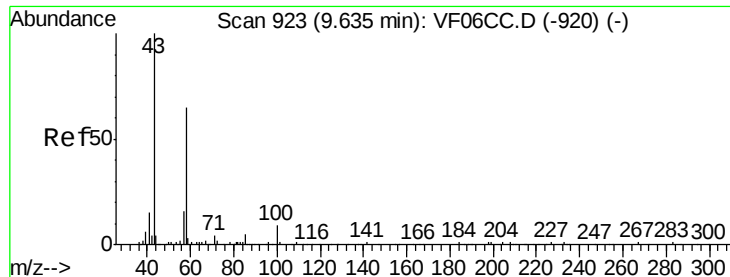
106 0.0 19.5 29.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

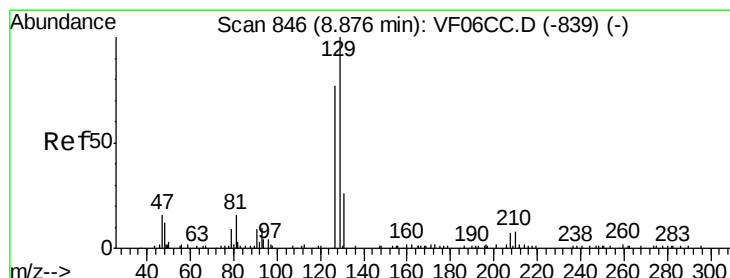
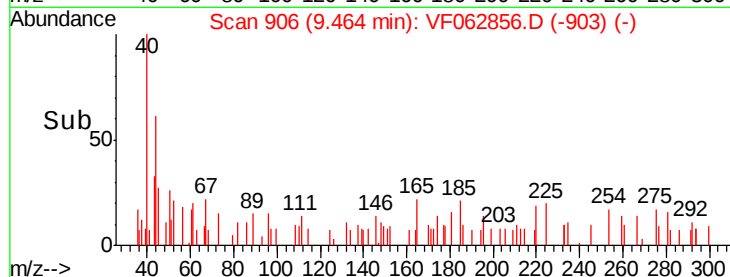
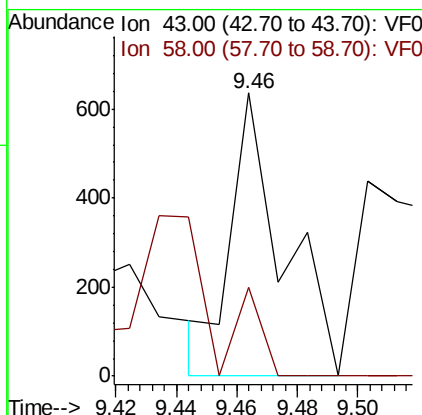
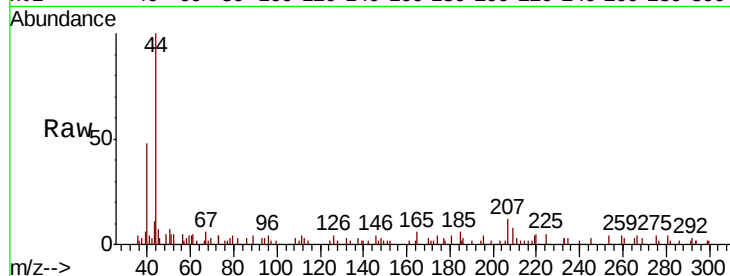




#59
2-Hexanone
Concen: 3492.037 ug/l
RT: 9.46 min Scan# 906
Delta R.T. -0.17 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

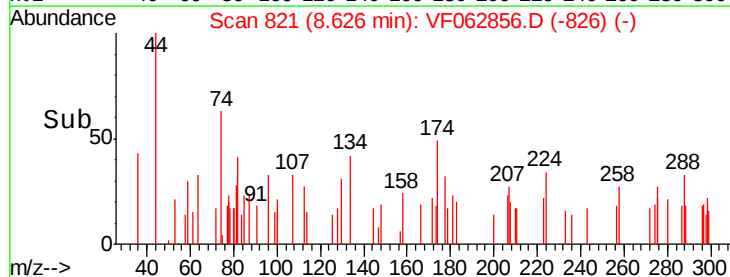
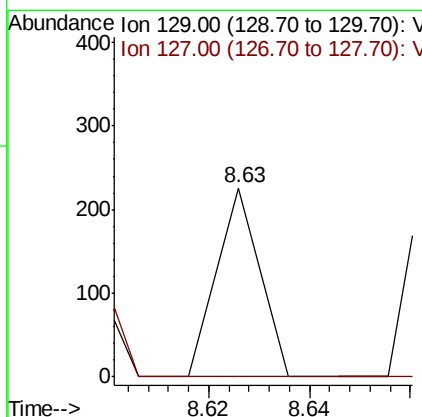
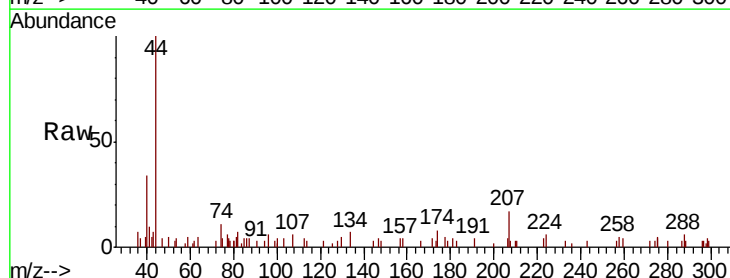
Instrument :
MSVOA_F
ClientSampled :

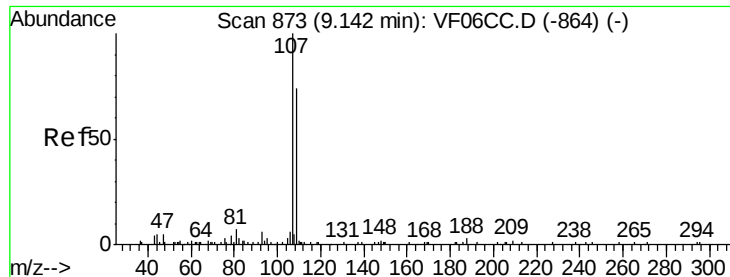
Tot Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 31.6 29.3 87.9



#60
Dibromochloromethane
Concen: 272.885 ug/l
RT: 8.63 min Scan# 821
Delta R.T. -0.25 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:129 Resp: 134
Ion Ratio Lower Upper
129 100
127 54.4 37.1 111.3





#61

1,2-Dibromoethane

Concen: 177.218 ug/l

RT: 9.05 min Scan# 864

Delta R.T. -0.10 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

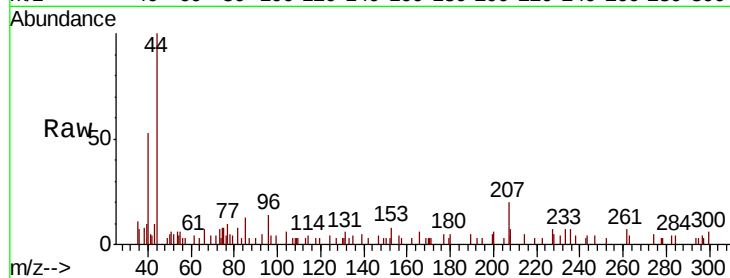
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 73

Ion Ratio Lower Upper

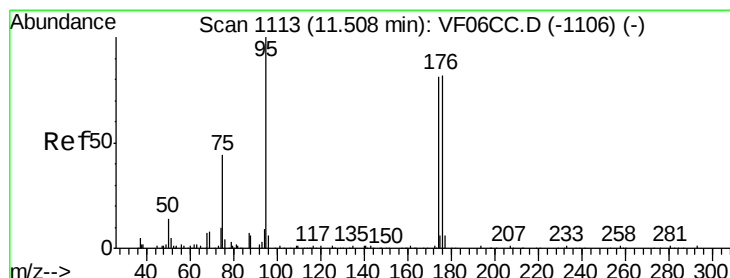
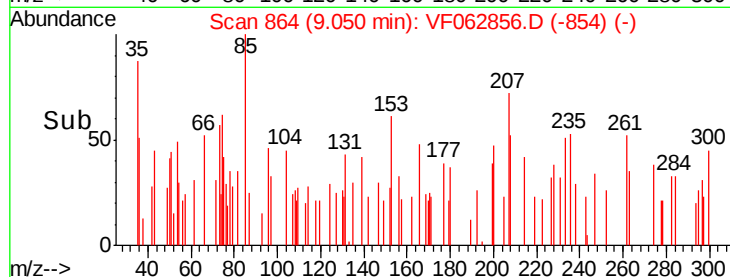
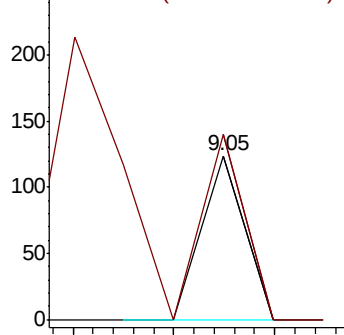
107 100

109 112.9 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: 540.820 ug/l

RT: 11.40 min Scan# 1102

Delta R.T. -0.11 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

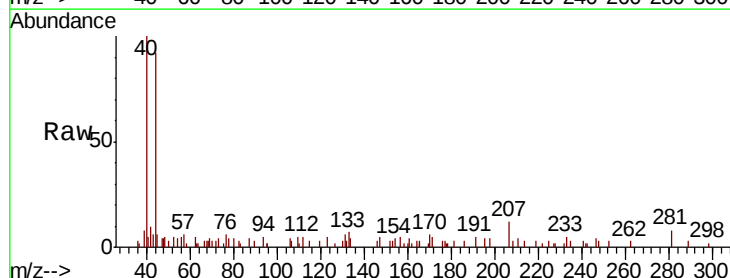
Tgt Ion: 95 Resp: 342

Ion Ratio Lower Upper

95 100

174 0.0 0.0 170.6

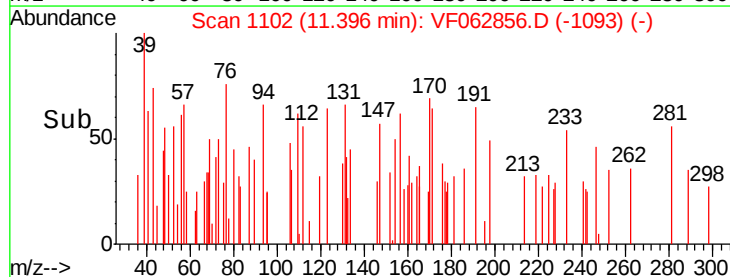
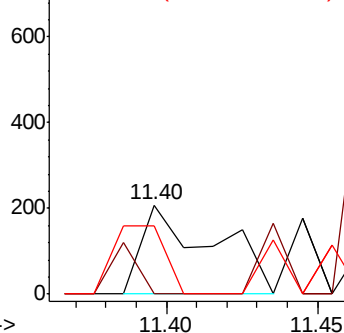
176 76.0 0.0 170.6

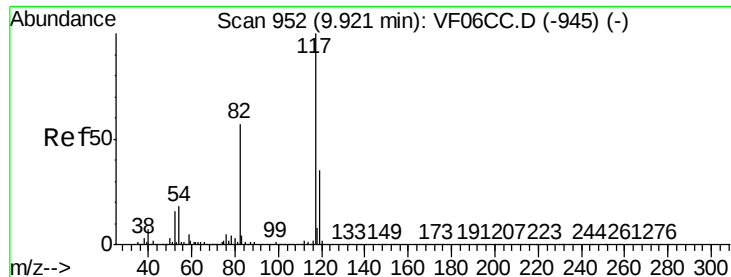


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

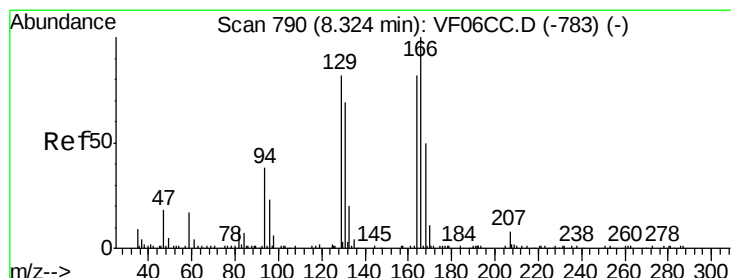
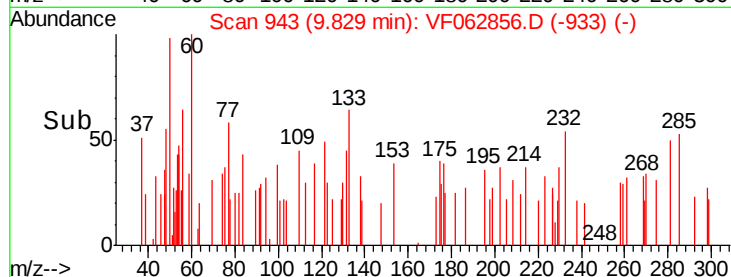
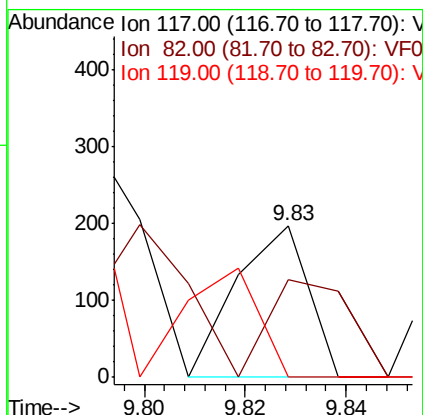
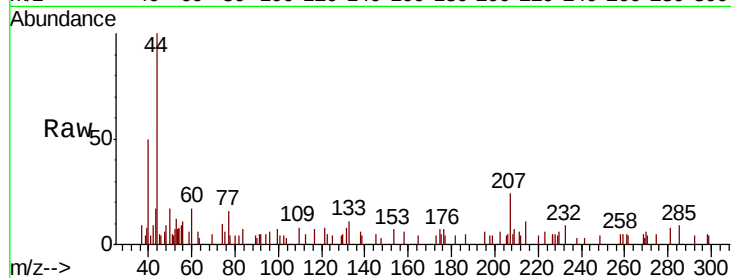




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.83 min Scan# 943
Delta R.T. -0.10 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

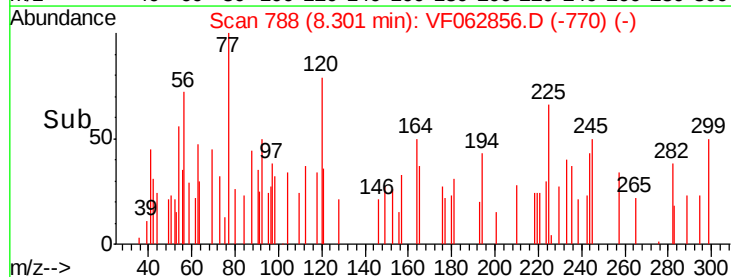
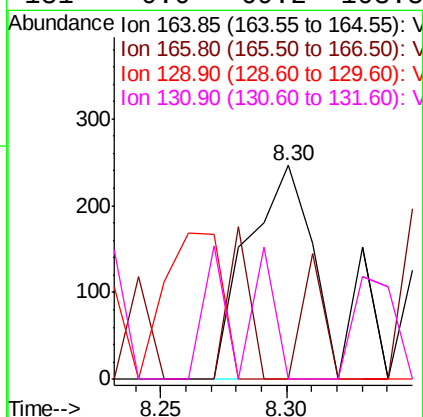
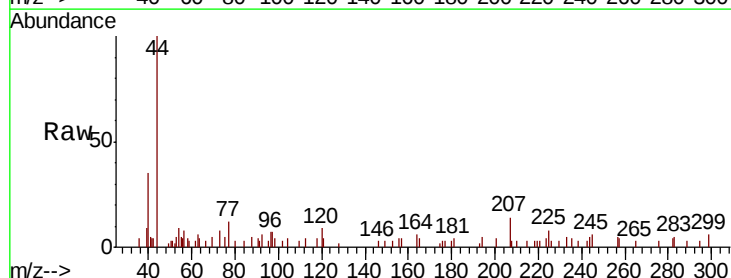
Instrument :
MSVOA_F
ClientSampled :

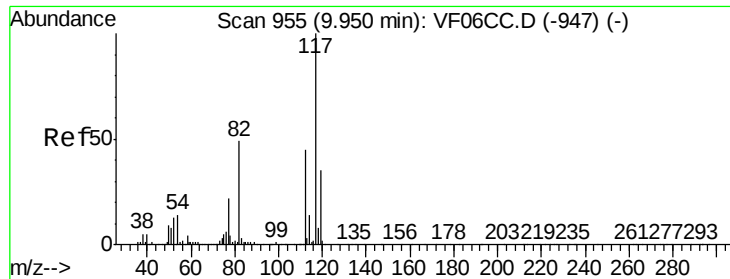
Tot Ion:117 Resp: 196
Ion Ratio Lower Upper
117 100
82 64.5 42.4 63.6#
119 0.0 27.1 40.7#



#64
Tetrachloroethene
Concen: 288.818 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:164 Resp: 435
Ion Ratio Lower Upper
164 100
166 0.0 99.1 148.7#
129 0.0 69.5 104.3#
131 0.0 69.2 103.8#

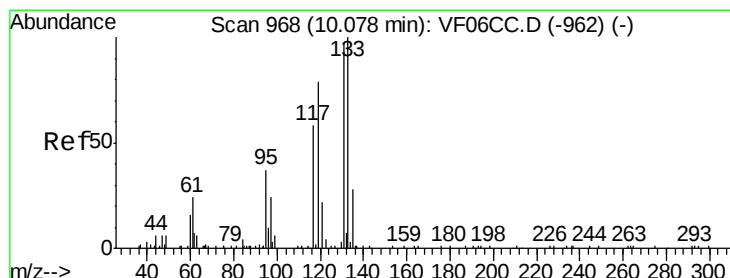
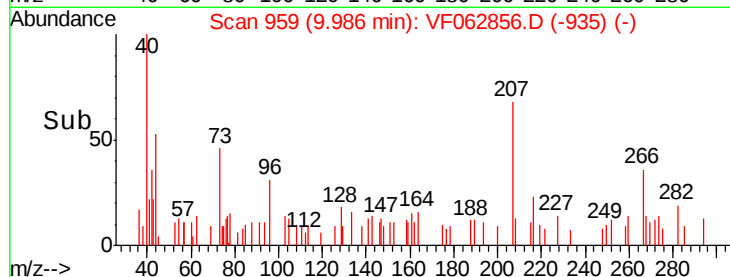
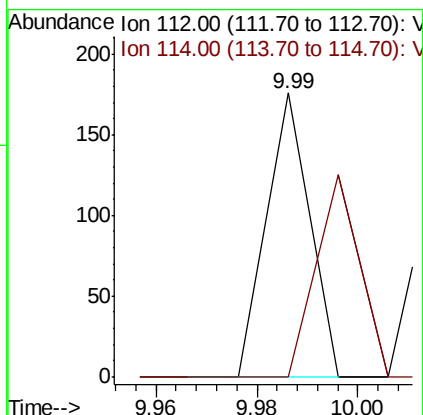
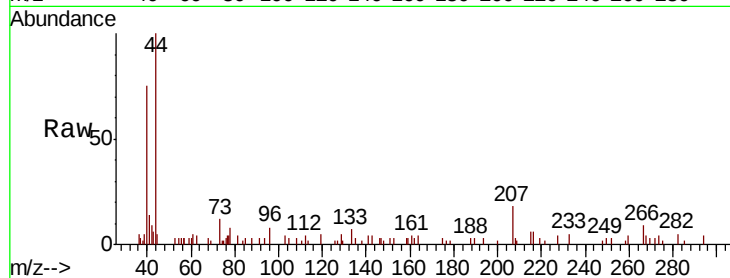




#65
Chlorobenzene
Concen: 27.476 ug/l
RT: 9.99 min Scan# 959
Delta R.T. 0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

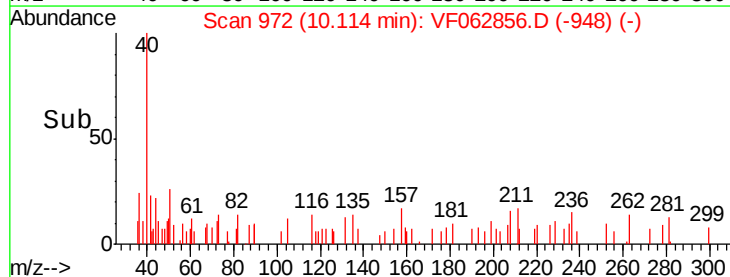
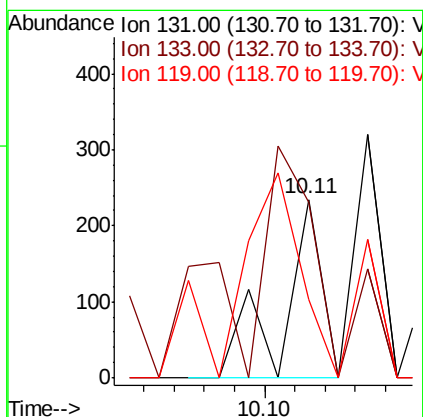
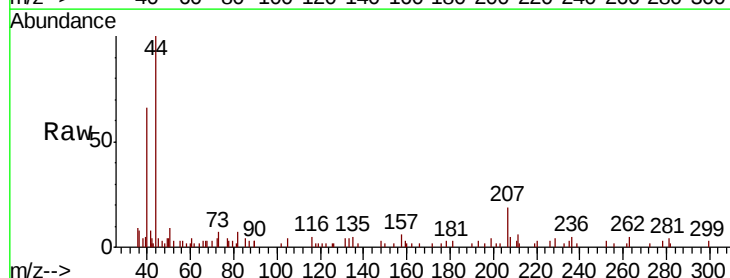
Instrument :
MSVOA_F
ClientSampleId :

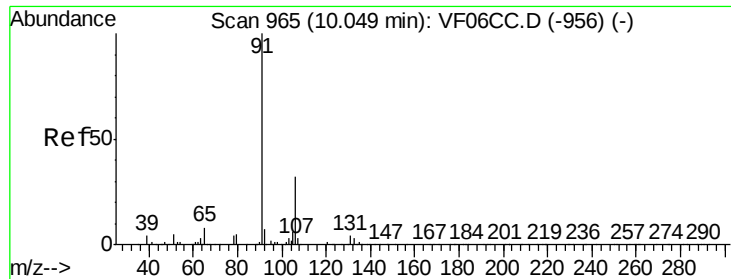
Tot Ion:112 Resp: 104
Ion Ratio Lower Upper
112 100
114 0.0 27.4 41.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 137.983 ug/l
RT: 10.11 min Scan# 972
Delta R.T. 0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:131 Resp: 208
Ion Ratio Lower Upper
131 100
133 98.3 48.9 146.7
119 43.8 38.0 114.0





#67

Ethyl Benzene

Concen: 24.633 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

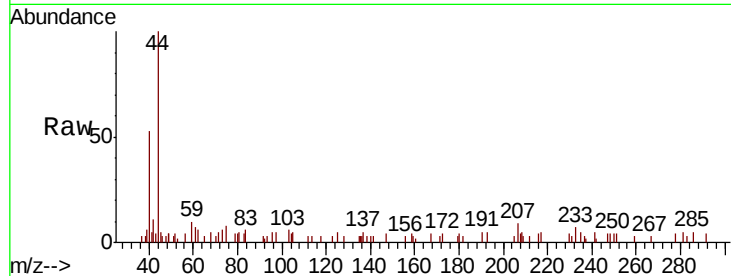
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 160

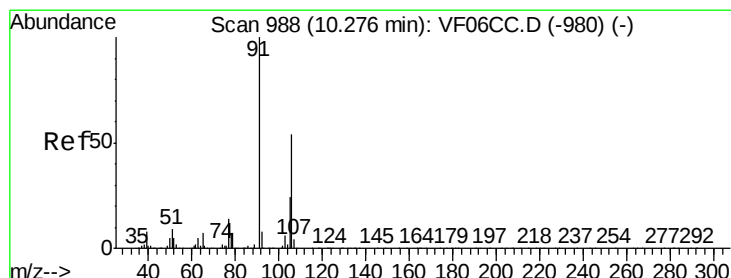
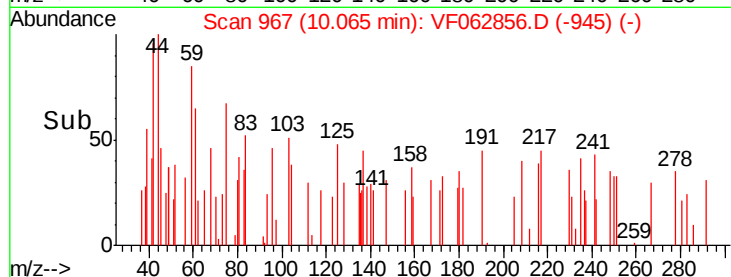
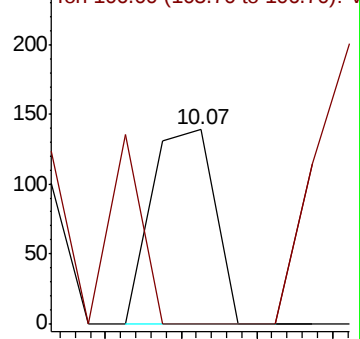
Ion Ratio Lower Upper

91 100

106 0.0 26.0 39.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 28.565 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062856.D

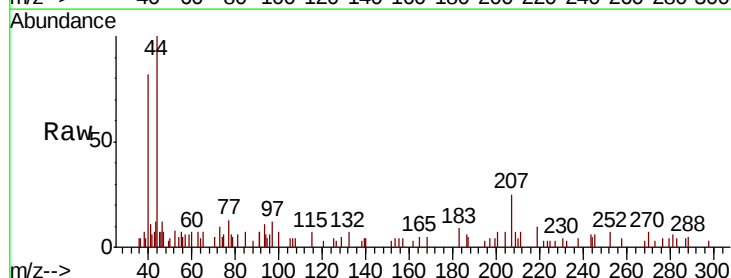
Acq: 4 Jun 2019 23:18

Tgt Ion: 106 Resp: 71

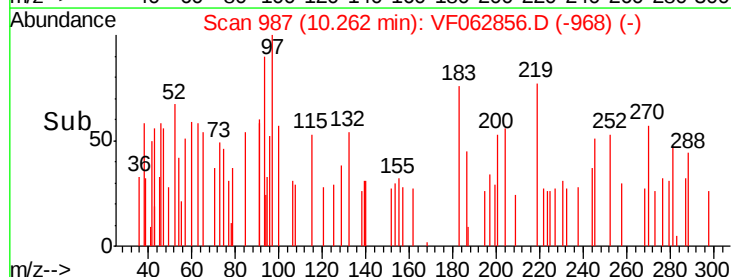
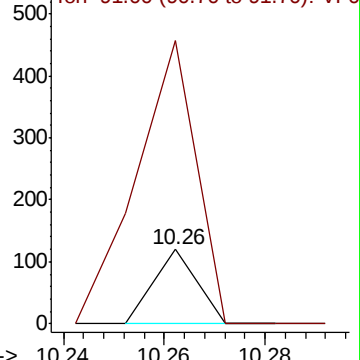
Ion Ratio Lower Upper

106 100

91 380.8 136.2 204.4#



Abundance Ion 106.00 (105.70 to 106.70): V

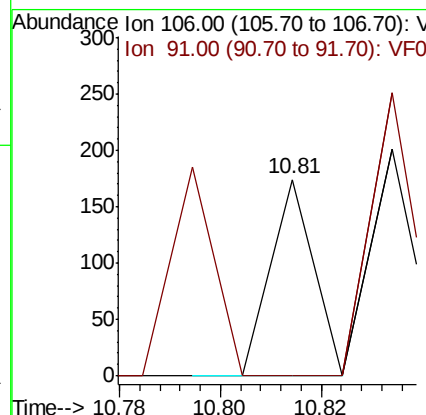
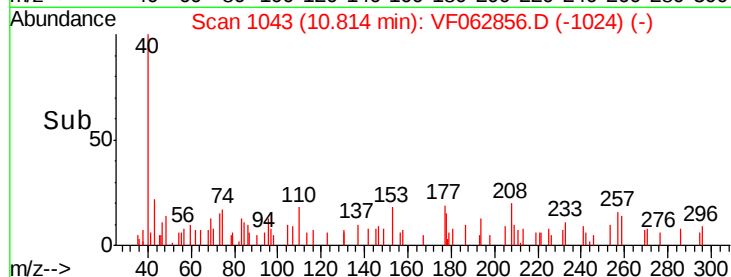
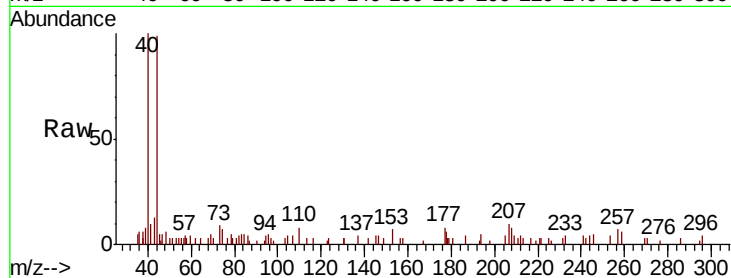




#69
o-Xylene
Concen: 40.930 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

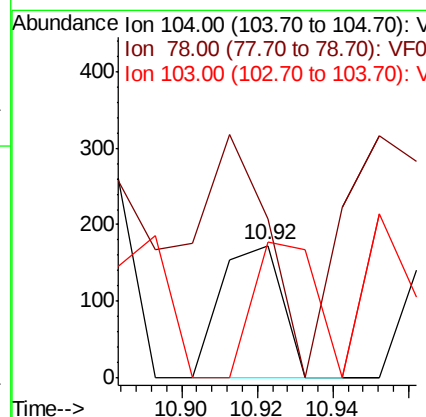
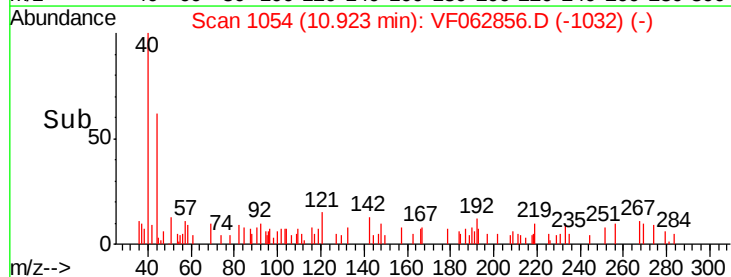
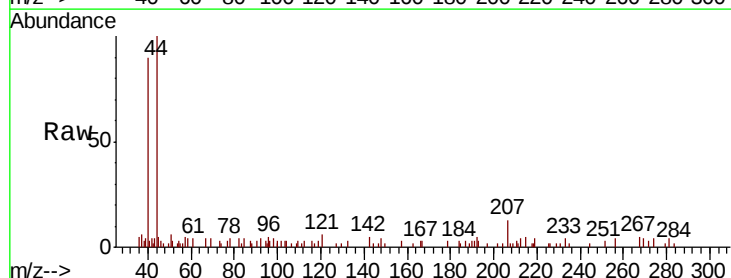
Instrument :
MSVOA_F
ClientSampled :

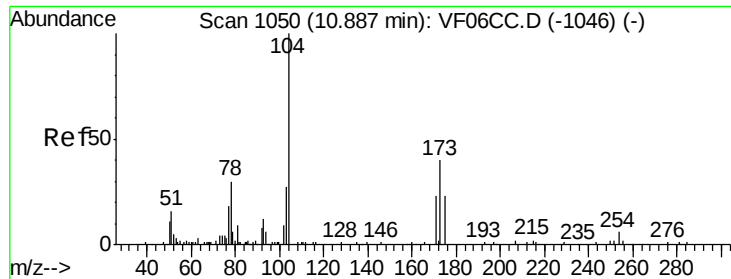
Tot Ion:106 Resp: 103
Ion Ratio Lower Upper
106 100
91 0.0 96.6 289.8#



#70
Styrene
Concen: 52.033 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:104 Resp: 193
Ion Ratio Lower Upper
104 100
78 119.7 30.8 46.2#
103 102.3 35.8 53.6#

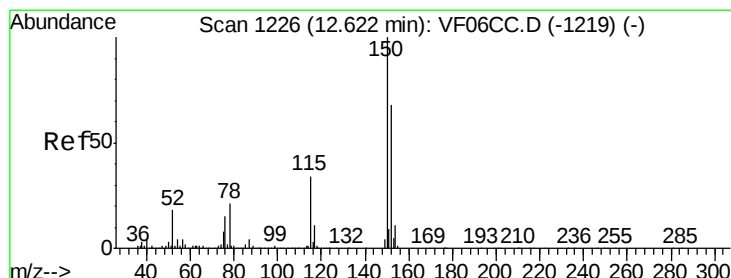
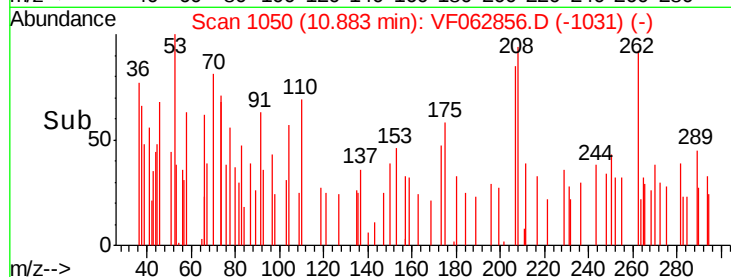
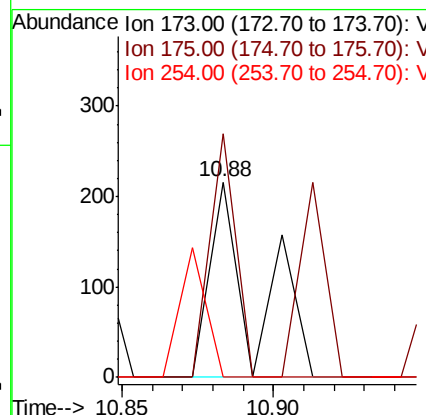
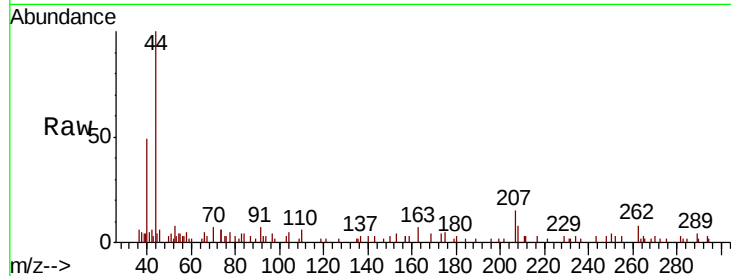




#71
Bromoform
Concen: 305.610 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

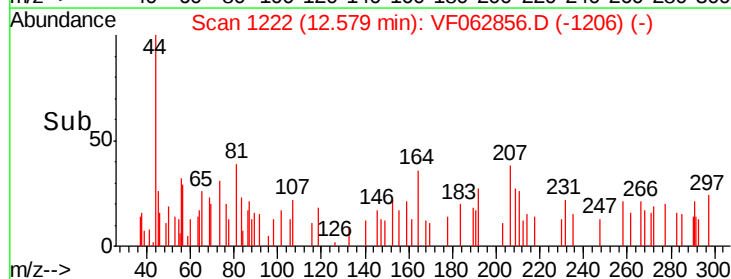
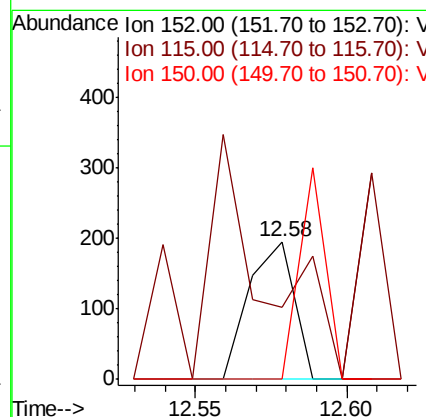
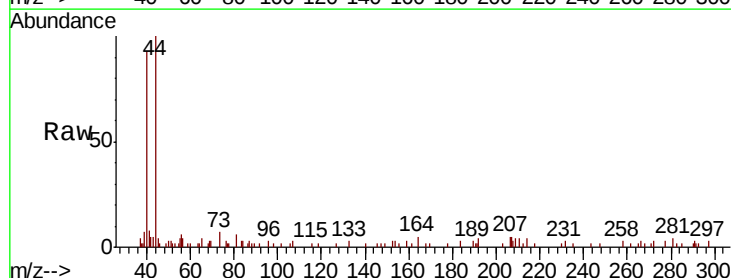
Instrument :
MSVOA_F
ClientSampled :

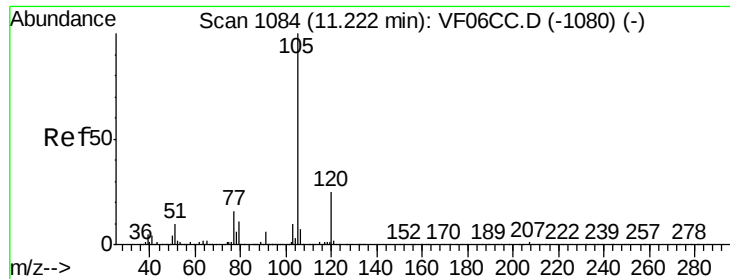
Tot Ion:173 Resp: 221
Ion Ratio Lower Upper
173 100
175 124.5 24.6 74.0#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1222
Delta R.T. -0.05 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:152 Resp: 202
Ion Ratio Lower Upper
152 100
115 51.8 24.6 74.0
150 0.0 0.0 290.6





#73

Isopropylbenzene

Concen: 13.764 ug/l

RT: 11.31 min Scan# 1093

Delta R.T. 0.07 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

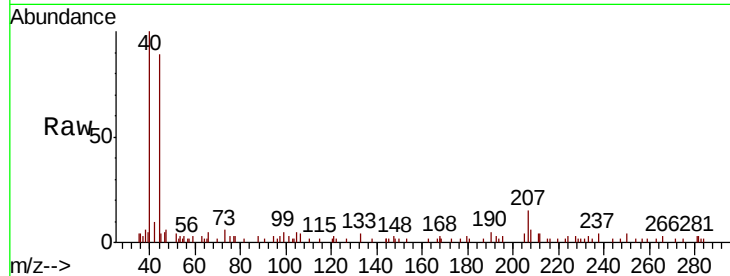
ClientSampled :

Tot Ion:105 Resp: 194

Ion Ratio Lower Upper

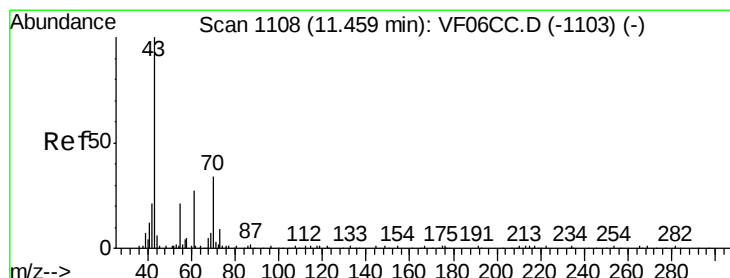
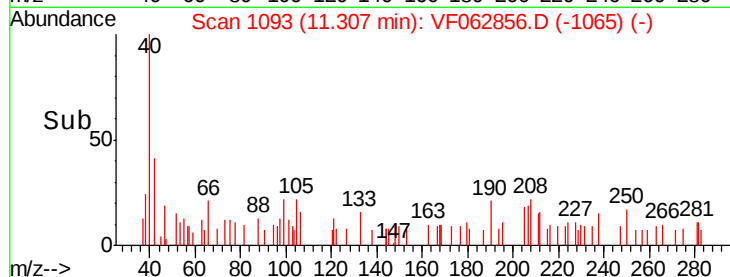
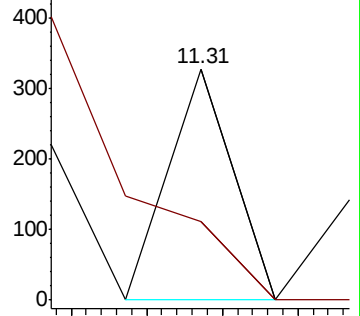
105 100

120 34.1 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 183.763 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion: 43 Resp: 730

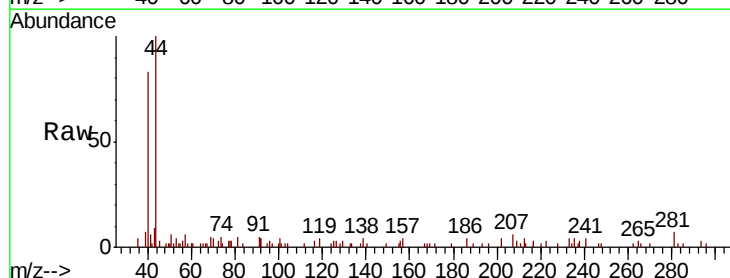
Ion Ratio Lower Upper

43 100

70 44.7 32.9 49.3

55 18.2 17.3 25.9

61 0.0 23.7 35.5#

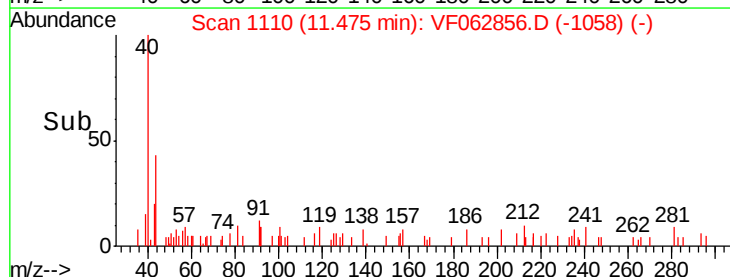
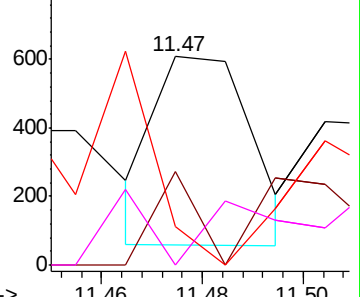


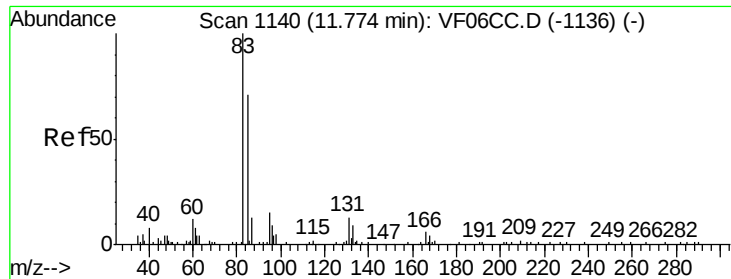
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 230.568 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

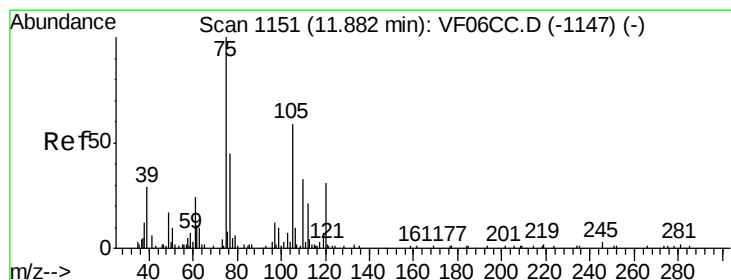
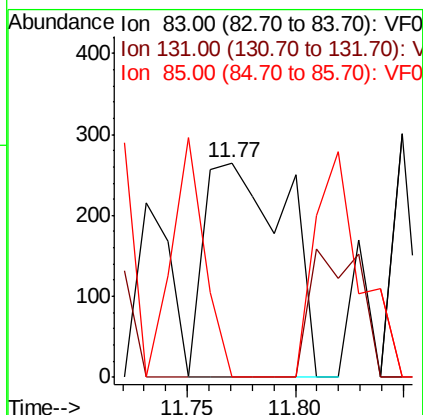
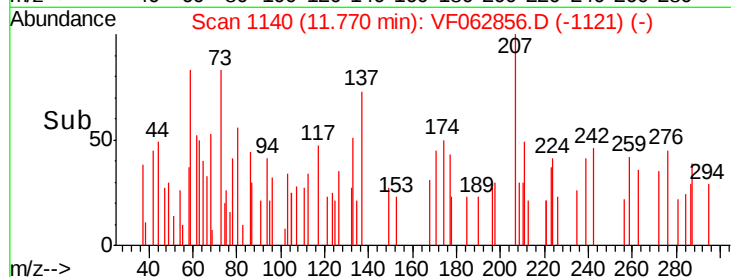
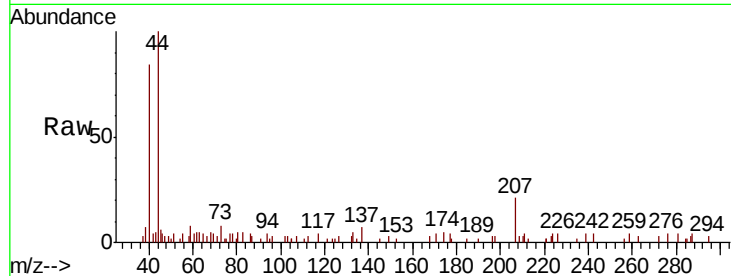
Tot Ion: 83 Resp: 694

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 82.700 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062856.D

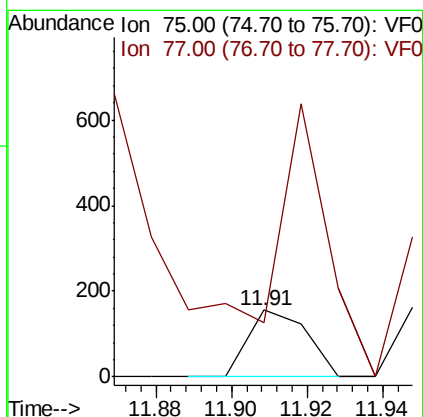
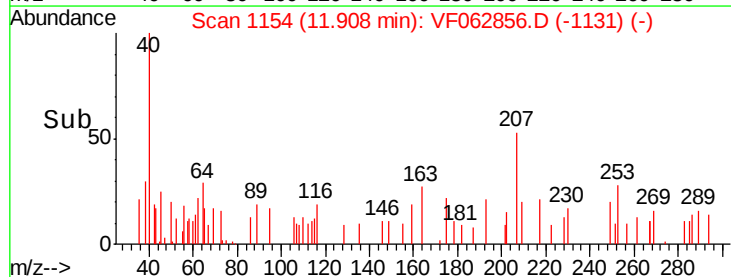
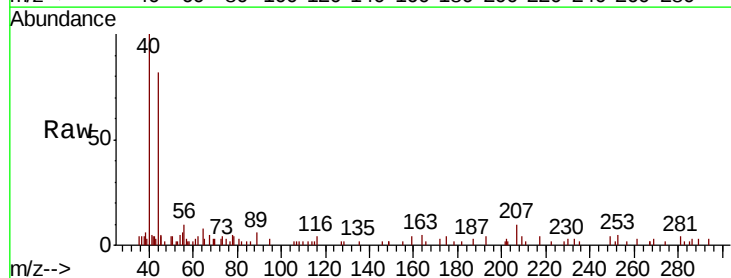
Acq: 4 Jun 2019 23:18

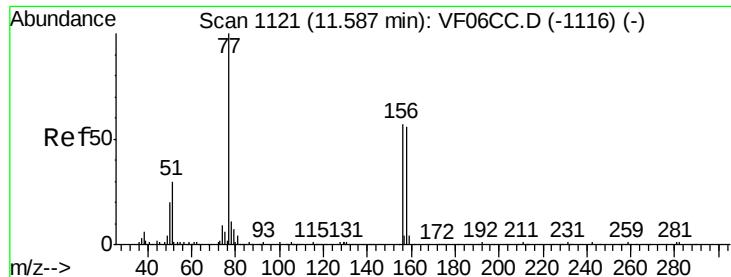
Tgt Ion: 75 Resp: 165

Ion Ratio Lower Upper

75 100

77 80.8 20.1 60.2#





#77

Bromobenzene

Concen: 49.980 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

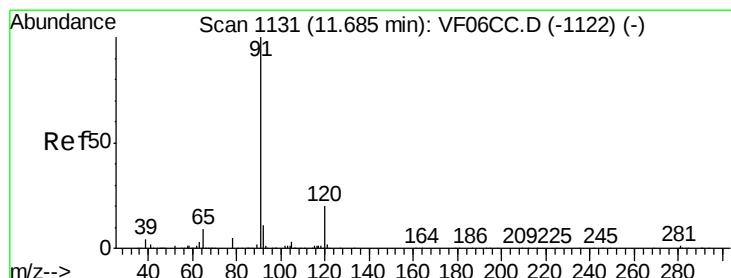
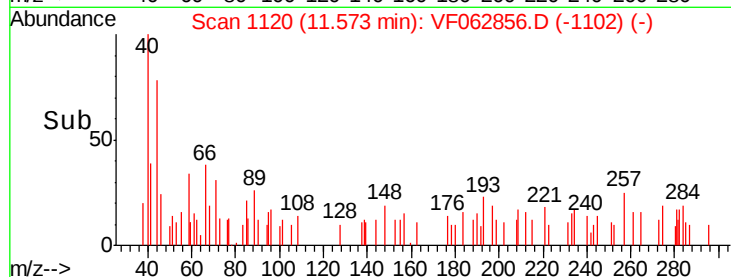
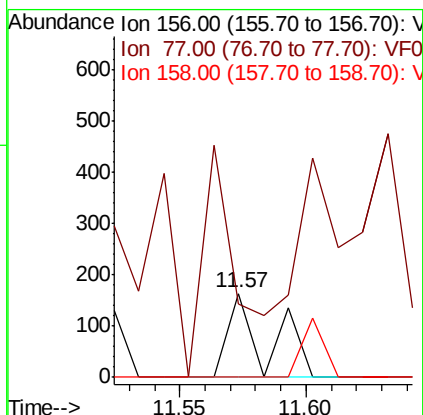
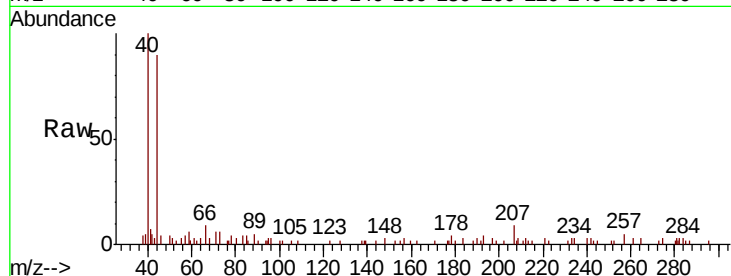
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:156 Resp: 177

Ion	Ratio	Lower	Upper
156	100		
77	87.8	64.2	192.6
158	0.0	50.3	151.0#



#78

n-propylbenzene

Concen: 8.226 ug/l

RT: 11.68 min Scan# 1131

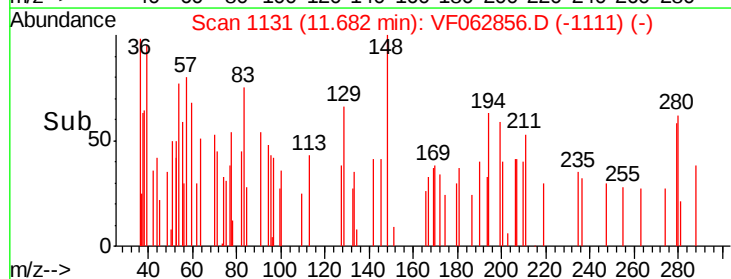
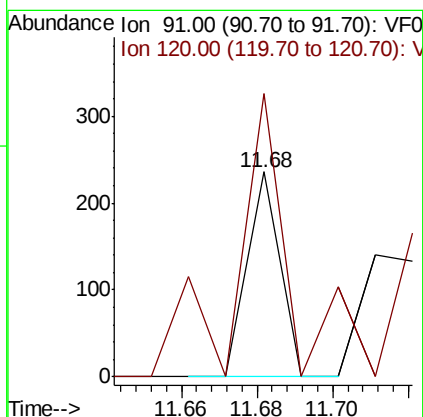
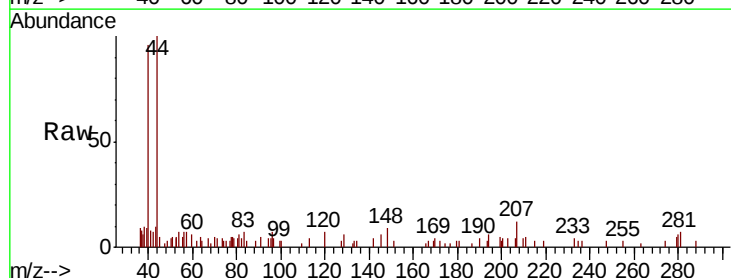
Delta R.T. -0.01 min

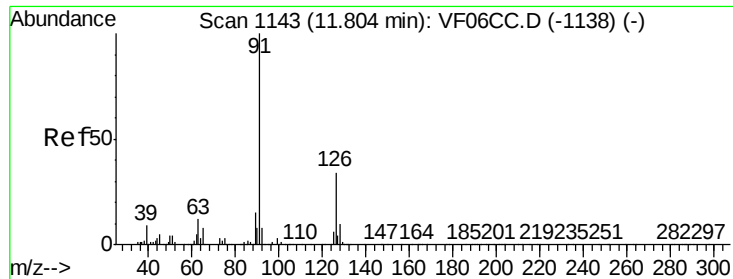
Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion: 91 Resp: 140

Ion	Ratio	Lower	Upper
91	100		
120	138.1	12.8	38.4#

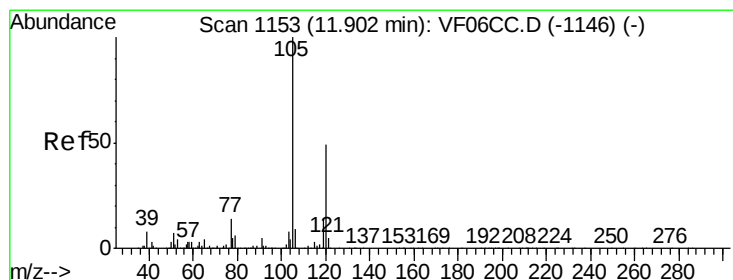
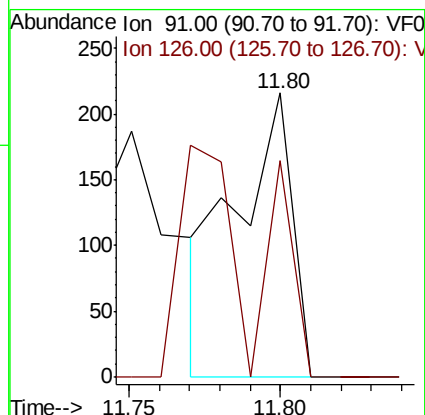
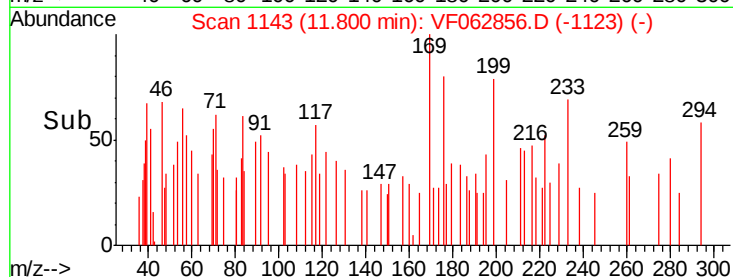
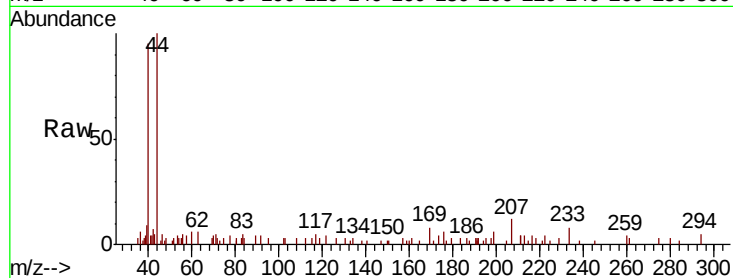




#79
2-Chlorotoluene
Concen: 28.343 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

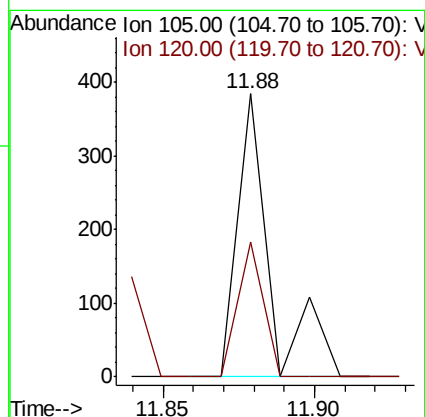
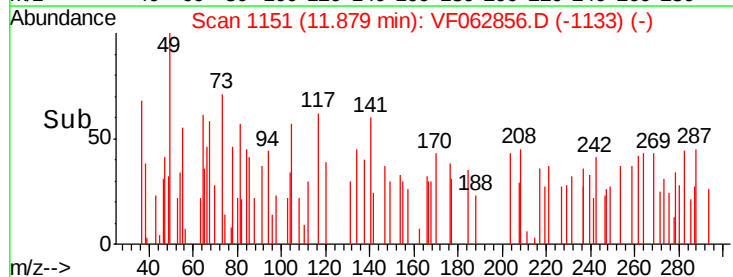
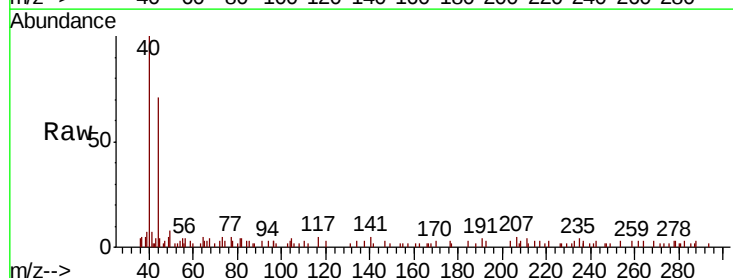
Instrument :
MSVOA_F
ClientSampleId :

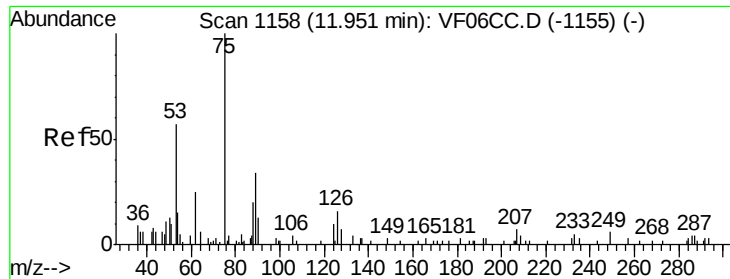
Tot Ion: 91 Resp: 276
Ion Ratio Lower Upper
91 100
126 76.4 17.8 53.3#



#80
1,3,5-Trimethylbenzene
Concen: 25.246 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:105 Resp: 291
Ion Ratio Lower Upper
105 100
120 47.4 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 529.185 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

ClientSampleId :

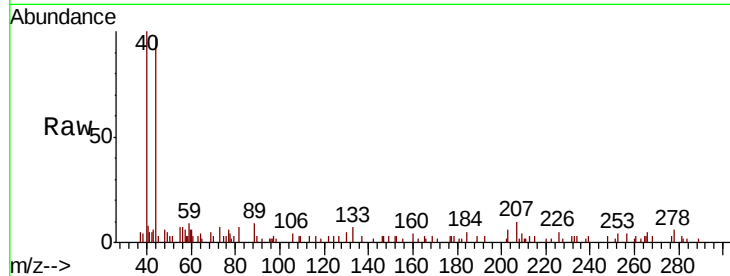
Tot Ion: 75 Resp: 447

Ion Ratio Lower Upper

75 100

53 0.0 43.5 65.3#

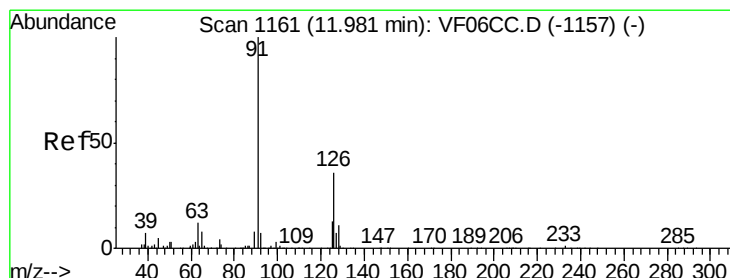
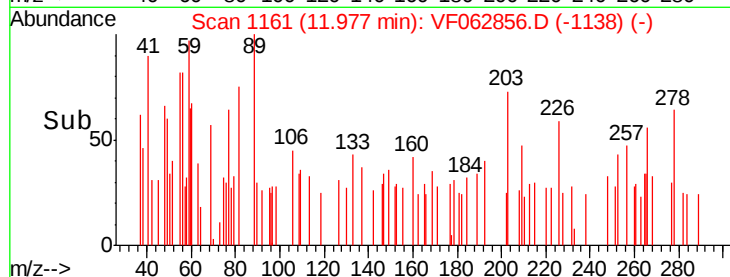
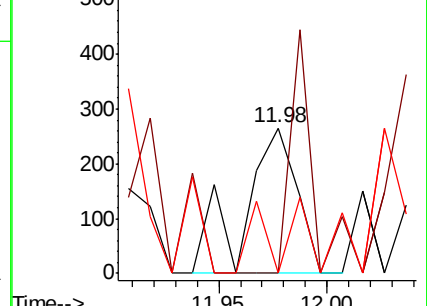
89 0.0 34.3 51.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.227 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.04 min

Lab File: VF062856.D

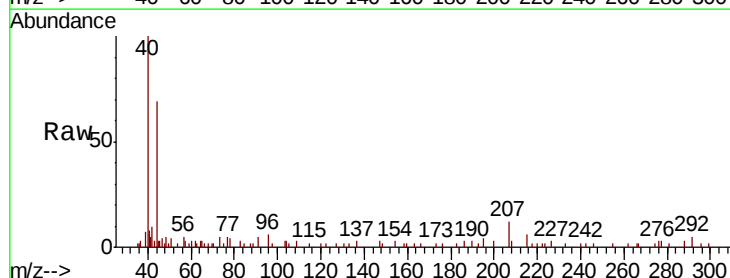
Acq: 4 Jun 2019 23:18

Tgt Ion: 91 Resp: 184

Ion Ratio Lower Upper

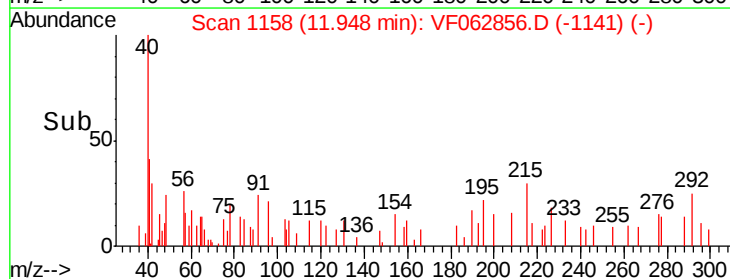
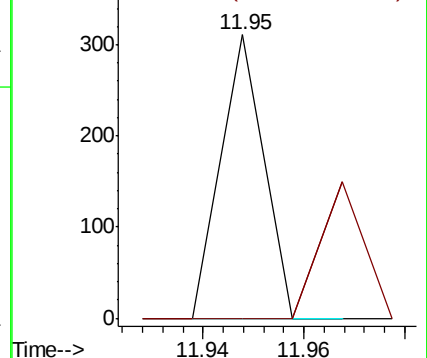
91 100

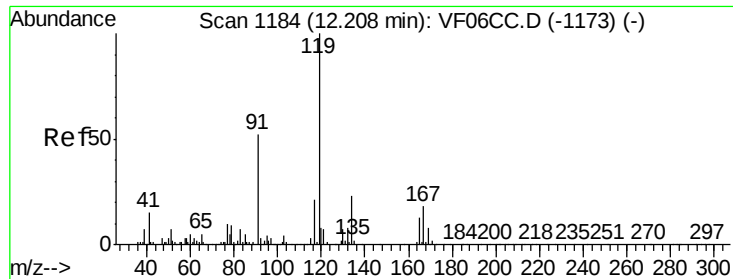
126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

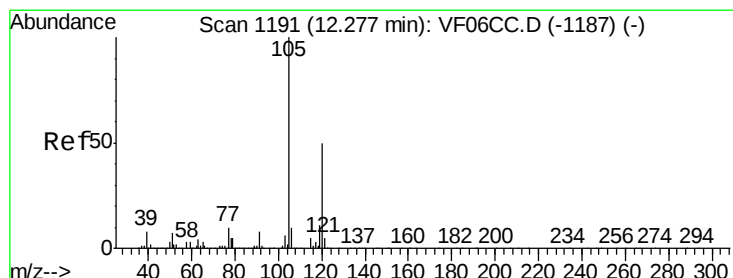
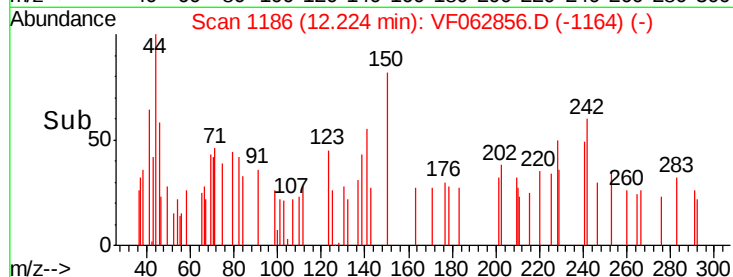
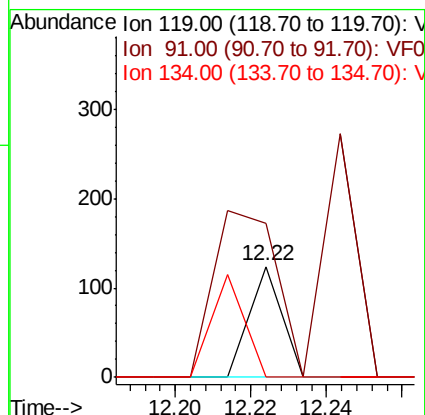
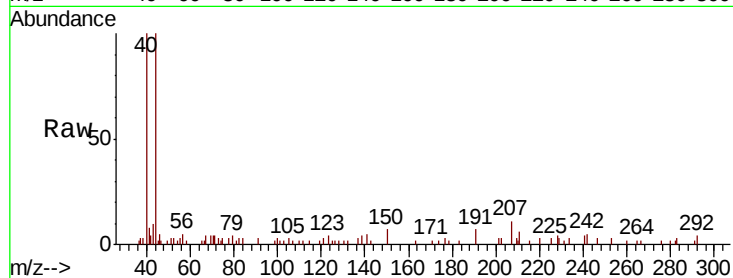




#83
tert-Butylbenzene
Concen: 6.392 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

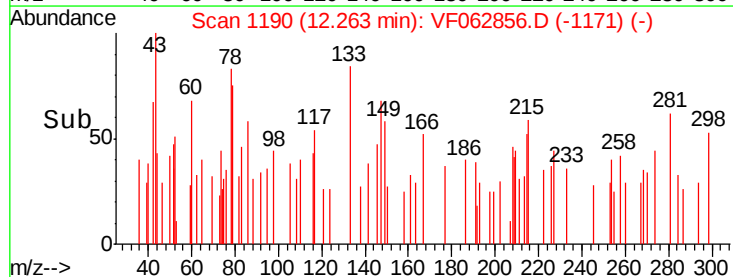
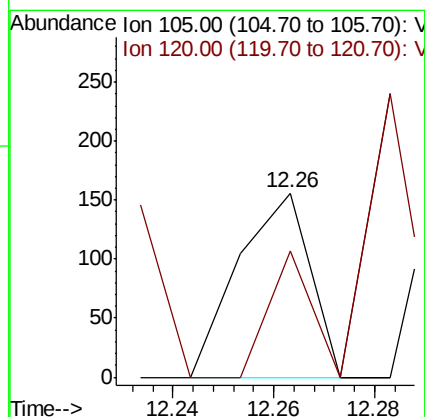
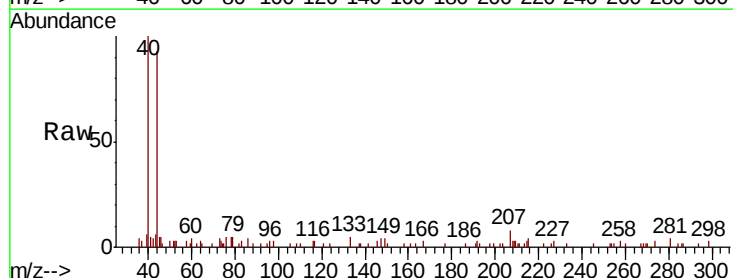
Instrument :
MSVOA_F
ClientSampleId :

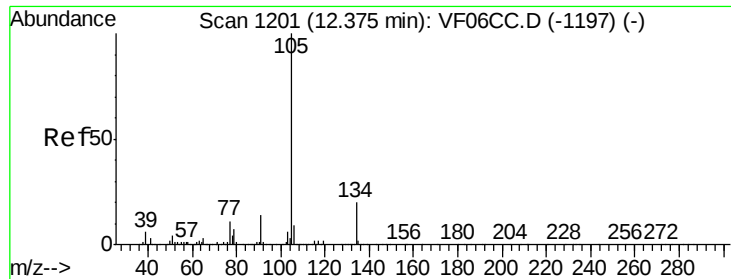
Tot Ion:119 Resp: 73
Ion Ratio Lower Upper
119 100
91 138.7 28.9 86.7#
134 0.0 14.3 42.9#



#84
1,2,4-Trimethylbenzene
Concen: 14.091 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.02 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion:105 Resp: 154
Ion Ratio Lower Upper
105 100
120 68.6 27.1 81.3





#85

sec-Butylbenzene

Concen: 42.459 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

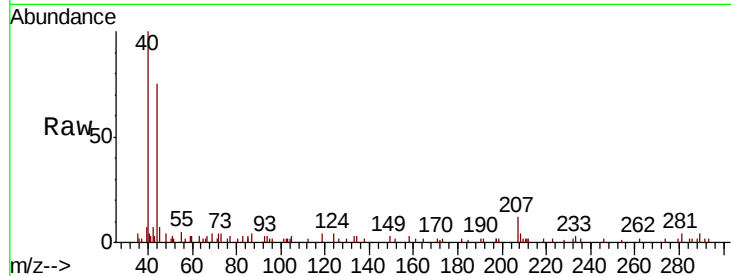
ClientSampled :

Tot Ion:105 Resp: 639

Ion Ratio Lower Upper

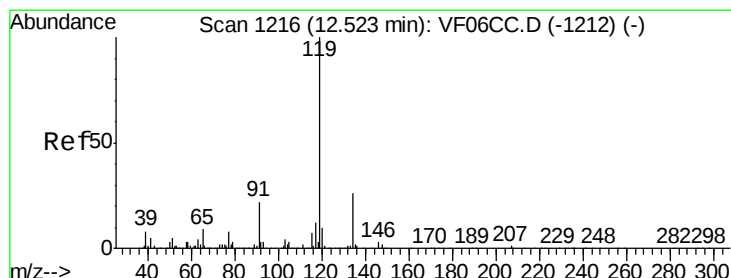
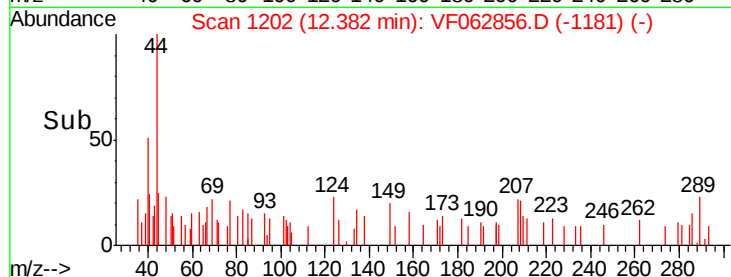
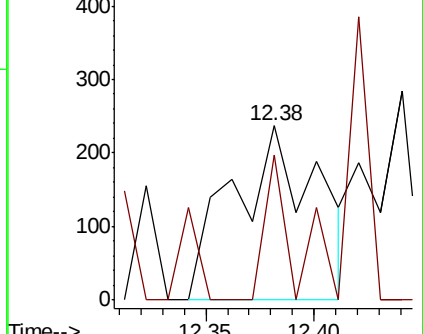
105 100

134 83.5 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.760 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

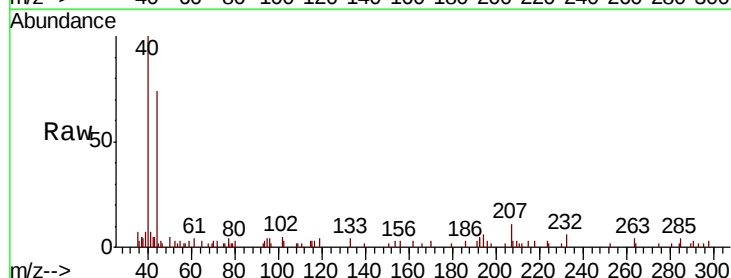
Tgt Ion:119 Resp: 235

Ion Ratio Lower Upper

119 100

134 0.0 15.5 46.5#

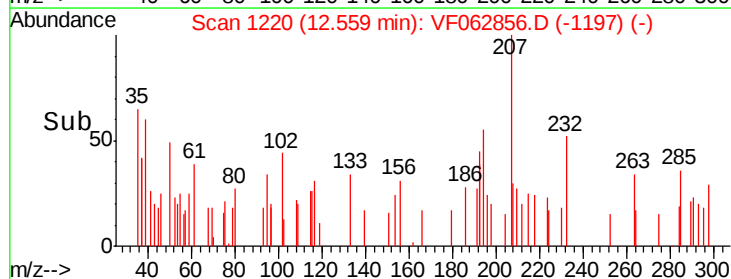
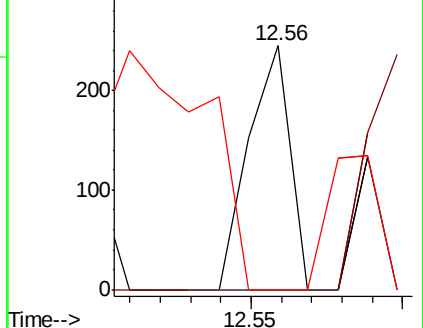
91 0.0 10.3 30.9#

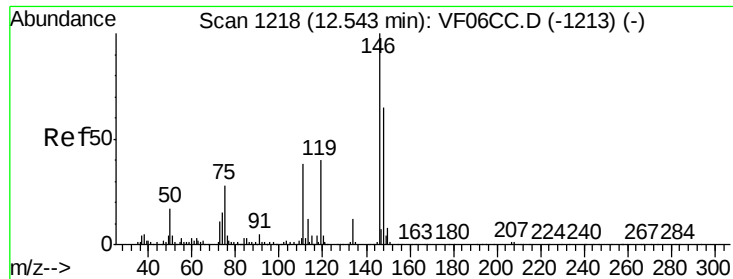


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 13.930 ug/l

RT: 12.58 min Scan# 1222

Delta R.T. 0.03 min

Lab File: VF062856.D

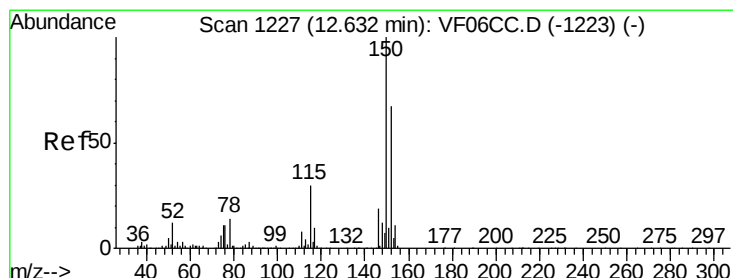
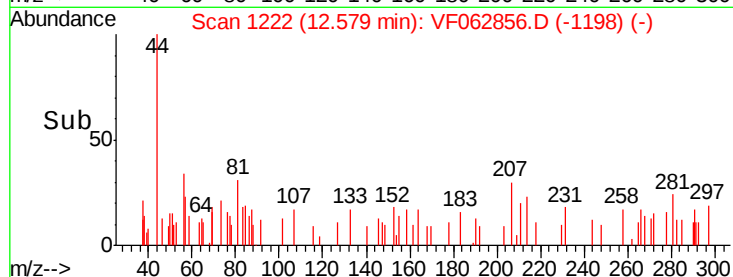
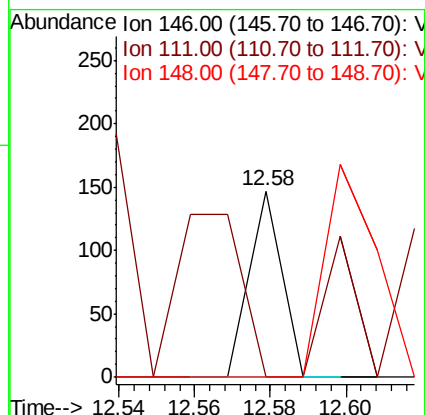
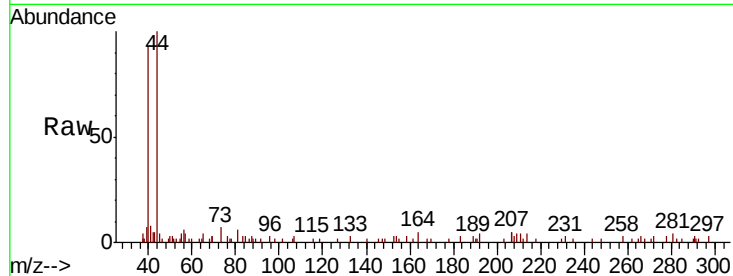
Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	87
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.8#
148	0.0	34.2	102.5#



#88

1,4-Dichlorobenzene

Concen: 14.926 ug/l

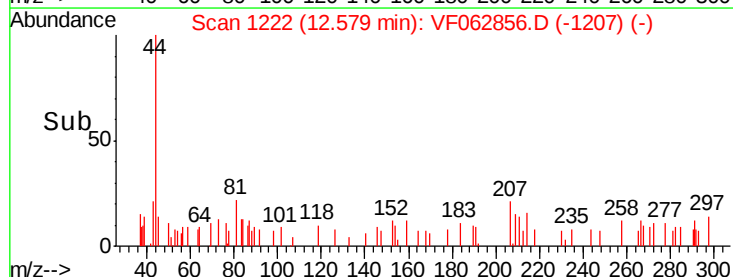
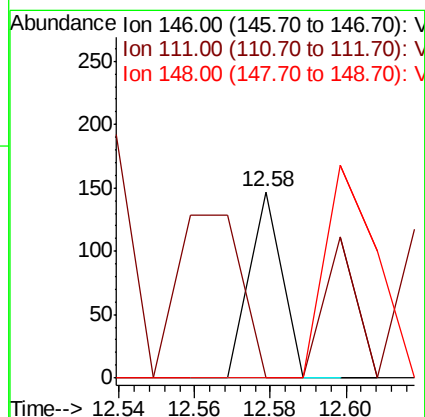
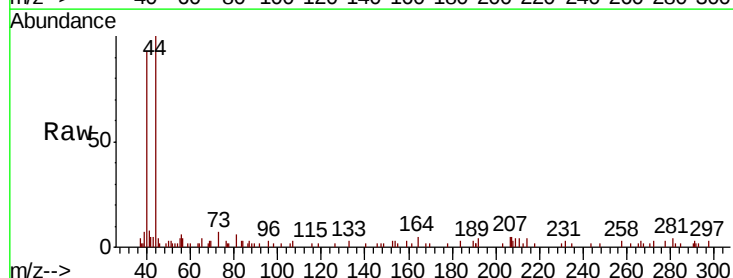
RT: 12.58 min Scan# 1222

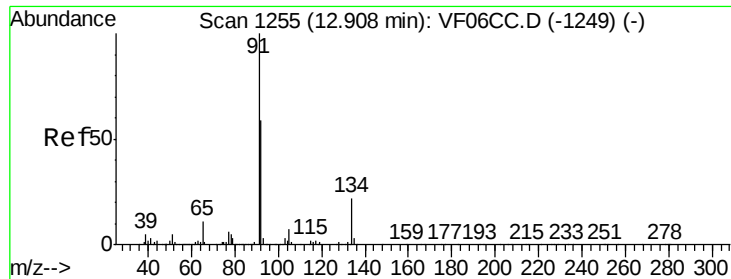
Delta R.T. -0.05 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion:	146	Resp:	87
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.3	60.9#
148	0.0	34.0	101.8#

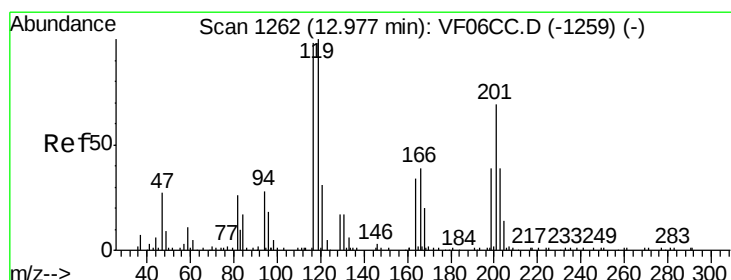
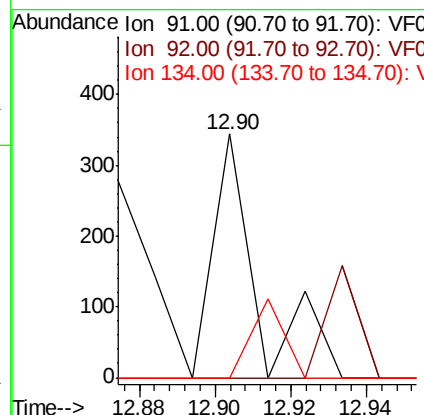
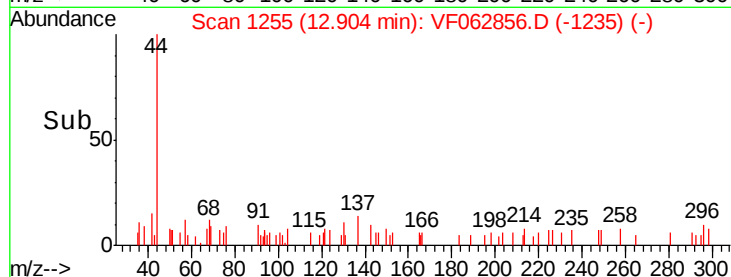
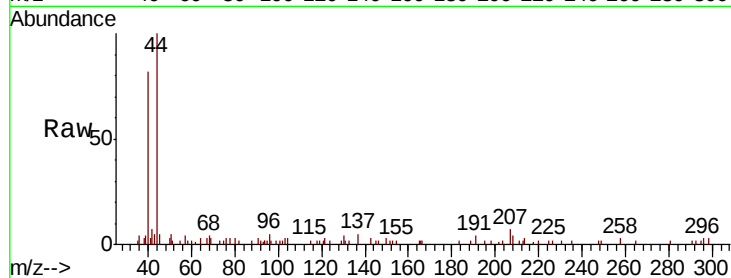




#89
n-Butylbenzene
Concen: 21.903 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

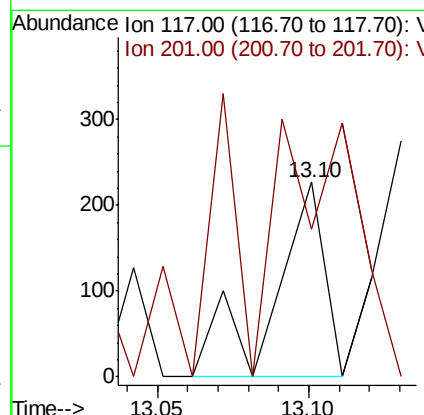
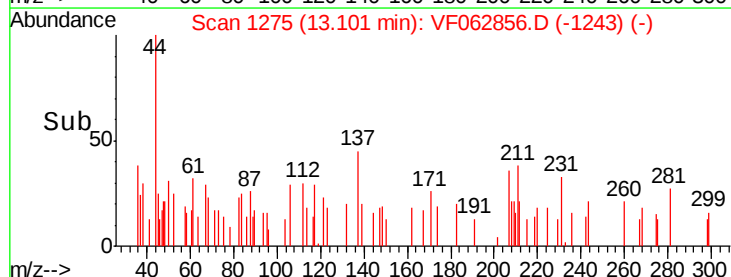
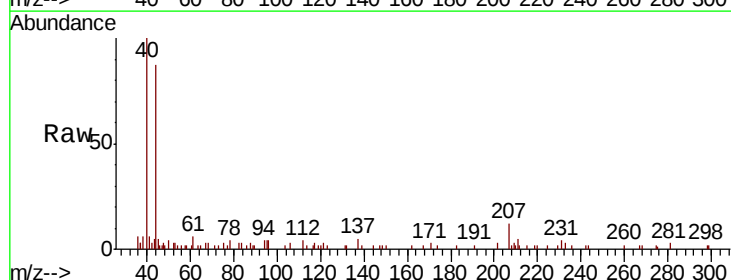
Instrument :
MSVOA_F
ClientSampled :

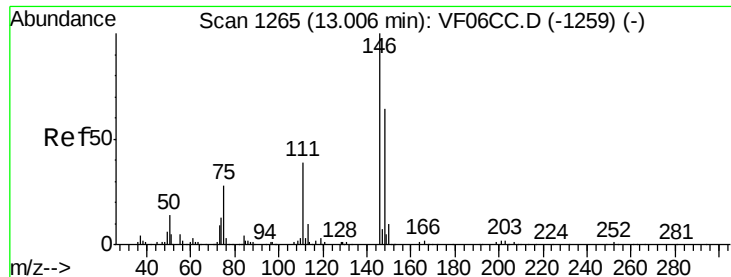
Tot Ion: 91 Resp: 276
Ion Ratio Lower Upper
91 100
92 0.0 34.2 102.6#
134 0.0 15.8 47.3#



#90
Hexachloroethane
Concen: 85.427 ug/l
RT: 13.10 min Scan# 1275
Delta R.T. 0.11 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion: 117 Resp: 261
Ion Ratio Lower Upper
117 100
201 75.8 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 59.931 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.03 min

Lab File: VF062856.D

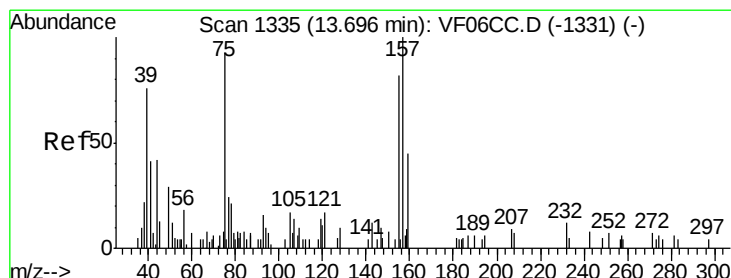
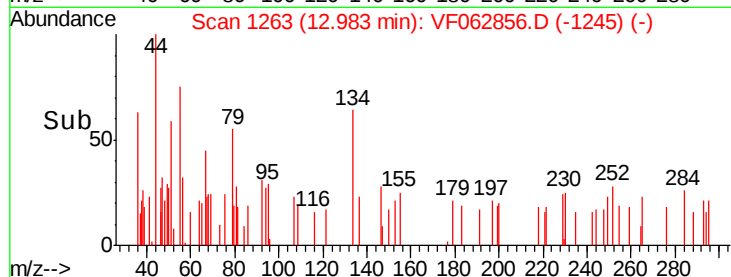
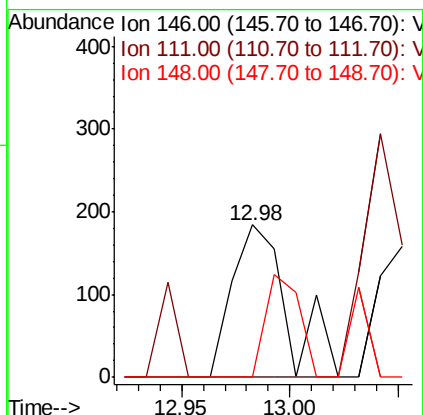
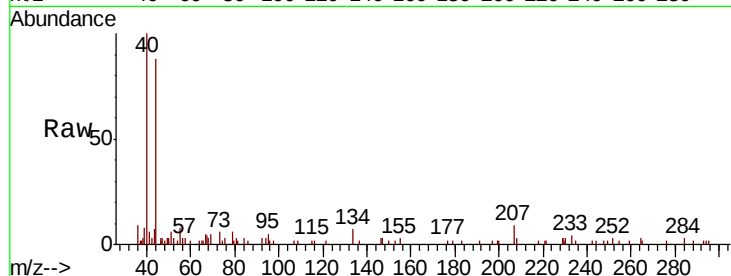
Acq: 4 Jun 2019 23:18

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	146	Resp:	329
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.4	61.3#
148	0.0	34.1	102.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1393.608 ug/l

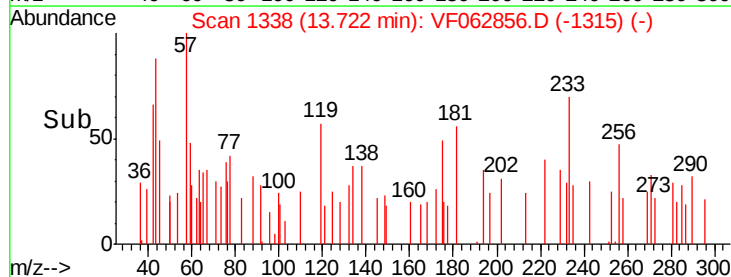
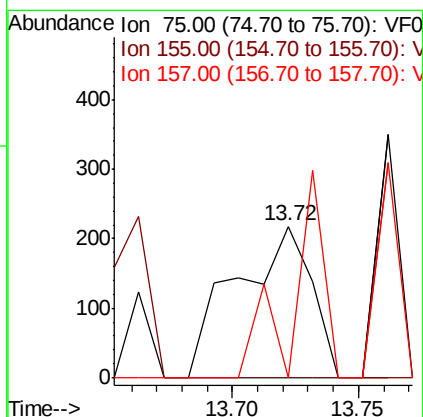
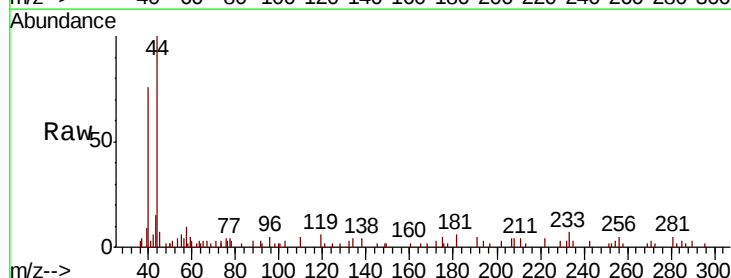
RT: 13.72 min Scan# 1338

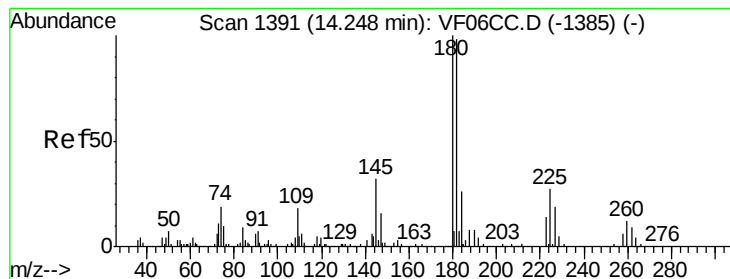
Delta R.T. 0.02 min

Lab File: VF062856.D

Acq: 4 Jun 2019 23:18

Tgt Ion:	75	Resp:	457
Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.7	155.1#
157	0.0	66.8	200.6#



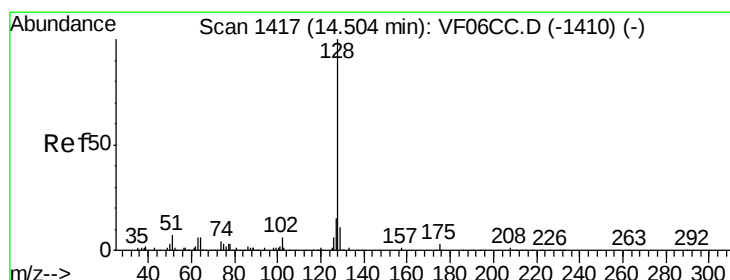
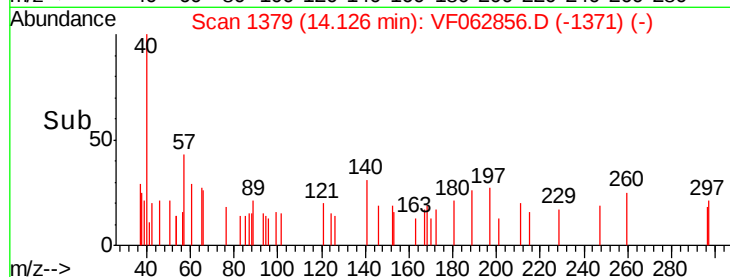
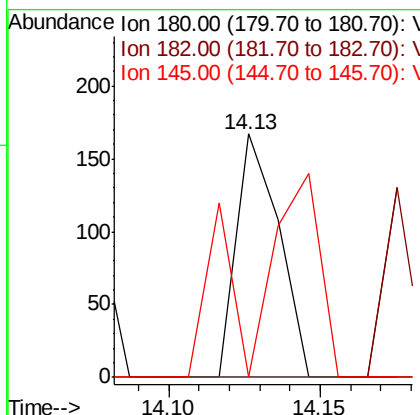
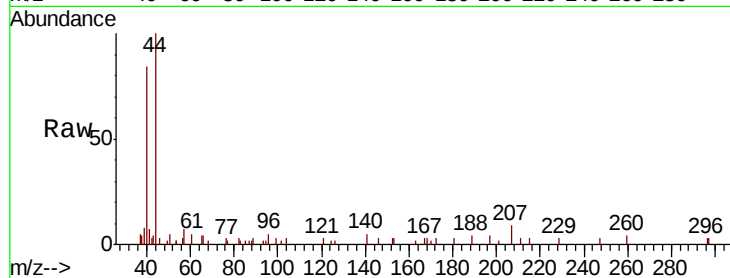


#93

1,2,4-Trichlorobenzene
Concen: 43.245 ug/l
RT: 14.13 min Scan# 1379
Delta R.T. -0.12 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Instrument :
MSVOA_F
ClientSampled :

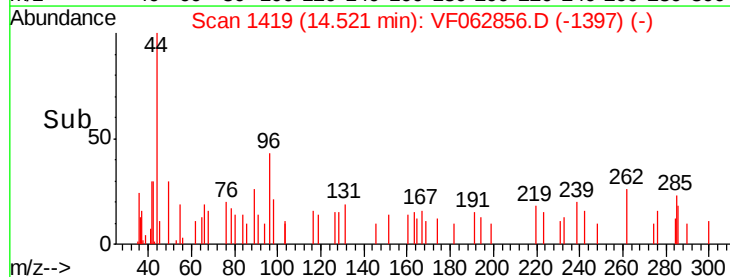
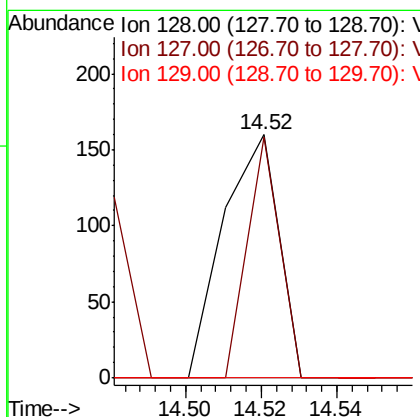
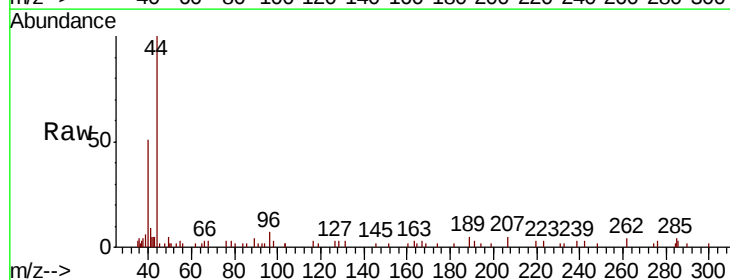
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	50.3	150.9#
145	0.0	15.4	46.2#

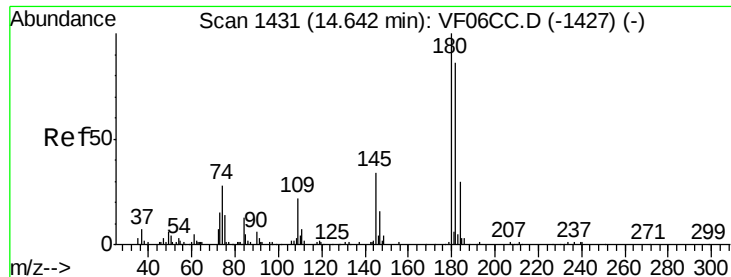


#95

Naphthalene
Concen: 26.072 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF062856.D
Acq: 4 Jun 2019 23:18

Tgt Ion	Ratio	Lower	Upper
128	100		
127	98.8	9.7	14.5#
129	0.0	9.4	14.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 44.759 ug/l
 RT: 14.58 min Scan# 1425
 Delta R.T. -0.06 min
 Lab File: VF062856.D
 Acq: 4 Jun 2019 23:18

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.6	145.9#
145	0.0	15.7	47.0#

