

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062650.D
 Acq On : 17 May 2019 20:43
 Operator : FY/SY
 Sample : K2894-20
 Misc : 5.07µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	124	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	171	65.94	ug/l	0.00
Spiked Amount			Recovery	=	131.88%	
35) Dibromofluoromethane	4.32	113	231	187.50	ug/l	0.00
Spiked Amount			Recovery	=	375.00%	
50) Toluene-d8	7.72	98	257	87.37	ug/l	0.00
Spiked Amount			Recovery	=	174.74%	
62) 4-Bromofluorobenzene	11.48	95	322	288.63	ug/l	-0.02
Spiked Amount			Recovery	=	577.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	220	44.050	ug/l	85
3) Chloromethane	1.03	50	918	199.622	ug/l	92
4) Vinyl Chloride	1.13	62	254	60.004	ug/l	89
5) Bromomethane	1.43	94	526	227.141	ug/l	81
6) Chloroethane	1.43	64	399	256.649	ug/l #	20
7) Trichlorofluoromethane	1.49	101	505	88.849	ug/l	93
8) Diethyl Ether	1.71	74	167	148.313	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60	16.578	ug/l #	1
10) Methyl Iodide	1.99	142	127	17.863	ug/l #	30
11) Tert butyl alcohol	2.68	59	177	1033.766	ug/l #	1
12) 1,1-Dichloroethene	1.85	96	337	102.219	ug/l #	14
13) Acrolein	2.00	56	751	4201.919	ug/l	95
14) Allyl chloride	2.18	41	1519	509.075	ug/l #	56
15) Acrylonitrile	3.10	53	434	898.592	ug/l #	30
16) Acetone	2.38	43	960	1426.847	ug/l #	82
17) Carbon Disulfide	1.92	76	525	53.726	ug/l #	1
18) Methyl Acetate	2.54	43	292	276.180	ug/l	95
19) Methyl tert-butyl Ether	2.64	73	580	98.411	ug/l	96
20) Methylene Chloride	2.36	84	640	189.774	ug/l #	32
21) trans-1,2-Dichloroethene	2.40	96	915	283.948	ug/l #	3
22) Diisopropyl ether	2.95	45	731	99.330	ug/l #	1
23) Vinyl Acetate	3.35	43	1025	206.471	ug/l #	48
24) 1,1-Dichloroethane	3.08	63	444	82.241	ug/l #	86
25) 2-Butanone	4.51	43	569	395.837	ug/l	93
26) 2,2-Dichloropropane	3.79	77	846	273.876	ug/l	94
27) cis-1,2-Dichloroethene	3.69	96	643	121.308	ug/l	14
28) Bromochloromethane	3.92	49	77	25.430	ug/l	94
29) Tetrahydrofuran	4.30	42	924	1588.474	ug/l #	80
30) Chloroform	3.97	83	309	41.224	ug/l	94
31) Cyclohexane	3.91	56	972	134.088	ug/l #	58
32) 1,1,1-Trichloroethane	4.30	97	127	25.512	ug/l #	1
36) 1,1-Dichloropropene	4.51	75	336	203.667	ug/l #	51
37) Ethyl Acetate	4.28	43	1012	1502.383	ug/l #	58
38) Carbon Tetrachloride	4.18	117	226	182.149	ug/l #	65

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.68	83	316	159.188	ug/l	96
40) Benzene	4.81	78	2170	482.825	ug/l #	57
41) Methacrylonitrile	4.95	41	642	1817.934	ug/l #	61
42) 1,2-Dichloroethane	5.12	62	101	112.692	ug/l	71
43) Isopropyl Acetate	7.12	43	1467	1681.048	ug/l #	43
44) Trichloroethene	5.69	130	96	76.000	ug/l	1
45) 1,2-Dichloropropane	6.26	63	513	452.166	ug/l	95
46) Dibromomethane	6.25	93	241	367.557	ug/l #	41
47) Bromodichloromethane	6.55	83	144	105.789	ug/l #	80
48) Methyl methacrylate	6.91	41	891	1953.393	ug/l #	62
49) 1,4-Dioxane	6.91	88	261	44675.904	ug/l #	41
51) 4-Methyl-2-Pentanone	8.40	43	579	970.657	ug/l #	32
52) Toluene	7.68	92	200	84.852	ug/l	85
53) t-1,3-Dichloropropene	8.48	75	987	886.294	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	208	133.429	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	432	619.007	ug/l #	32
56) Ethyl methacrylate	8.75	69	303	364.423	ug/l #	1
57) 1,3-Dichloropropane	8.86	76	189	158.995	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.44	63	169	624.451	ug/l #	51
59) 2-Hexanone	9.63	43	590	1617.783	ug/l	70
60) Dibromochloromethane	8.74	129	60	65.965	ug/l	65
61) 1,2-Dibromoethane	9.08	107	159	214.498	ug/l	87
64) Tetrachloroethene	8.29	164	125	52.420	ug/l #	1
65) Chlorobenzene	9.92	112	68	11.502	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.09	131	141	59.410	ug/l #	6
67) Ethyl Benzene	10.00	91	313	30.476	ug/l #	42
68) m/p-Xylenes	10.30	106	309	80.051	ug/l	78
69) o-Xylene	10.78	106	193	48.543	ug/l	41
70) Styrene	10.95	104	302	49.975	ug/l #	33
71) Bromoform	10.95	173	325	273.419	ug/l #	27
73) Isopropylbenzene	11.25	105	195	21.942	ug/l #	45
74) N-amyl acetate	11.44	43	317	151.099	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	11.77	83	256	140.951	ug/l #	23
76) 1,2,3-Trichloropropane	12.00	75	485	406.408	ug/l	76
77) Bromobenzene	11.55	156	72	32.592	ug/l #	56
78) n-propylbenzene	11.69	91	60	5.705	ug/l #	50
79) 2-Chlorotoluene	11.78	91	327	55.167	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.04	105	523	73.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	219	412.844	ug/l #	26
82) 4-Chlorotoluene	12.11	91	446	76.301	ug/l	95
83) tert-Butylbenzene	12.19	119	210	29.046	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.39	105	189	27.402	ug/l	82
85) sec-Butylbenzene	12.39	105	189	19.479	ug/l #	54
86) p-Isopropyltoluene	12.56	119	154	18.833	ug/l #	1
87) 1,3-Dichlorobenzene	12.52	146	70	17.514	ug/l #	12
88) 1,4-Dichlorobenzene	12.58	146	134	35.727	ug/l #	24
89) n-Butylbenzene	12.91	91	232	28.777	ug/l #	25
90) Hexachloroethane	13.05	117	184	93.803	ug/l	96
91) 1,2-Dichlorobenzene	12.98	146	62	17.403	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.70	75	78	359.994	ug/l #	21

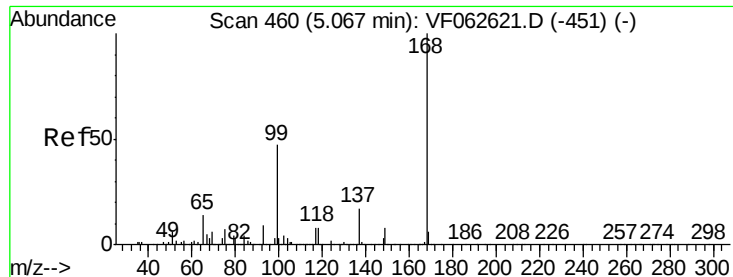
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	72	28.234	ug/l #	11
94) Hexachlorobutadiene	14.23	225	69	38.771	ug/l #	16
95) Naphthalene	14.45	128	178	38.421	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.65	180	101	41.813	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

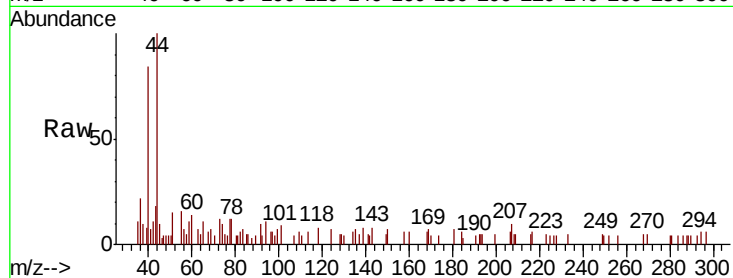
ClientSampleId :

Tot Ion:168 Resp: 367

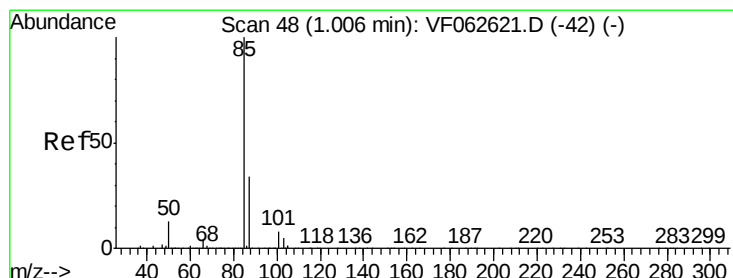
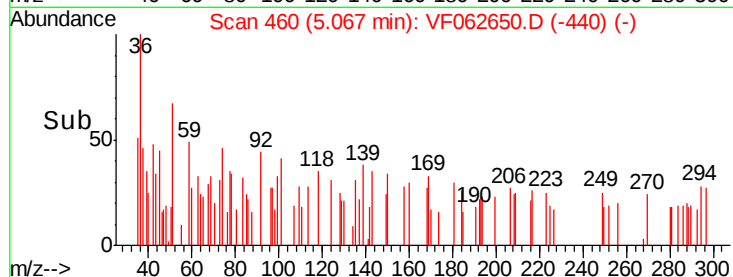
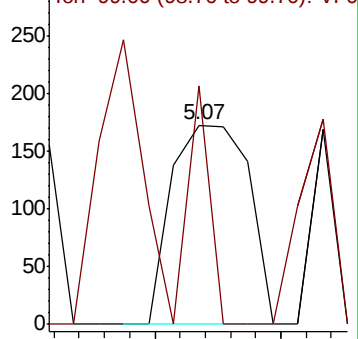
Ion Ratio Lower Upper

168 100

99 119.8 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 44.050 ug/l

RT: 0.93 min Scan# 40

Delta R.T. -0.08 min

Lab File: VF062650.D

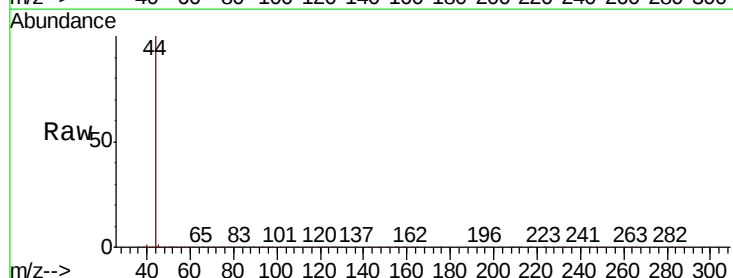
Acq: 17 May 2019 20:43

Tgt Ion: 85 Resp: 220

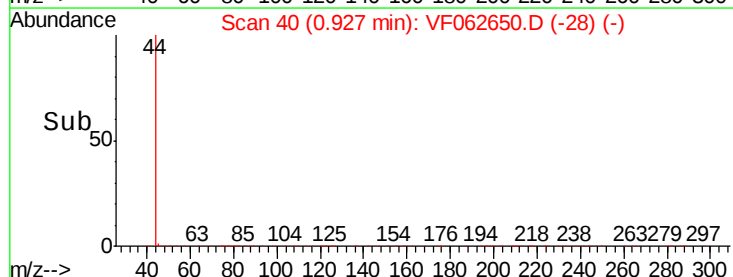
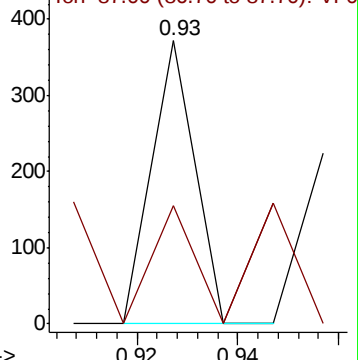
Ion Ratio Lower Upper

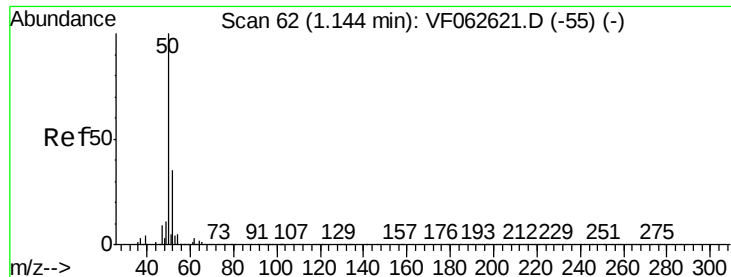
85 100

87 41.9 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 199.622 ug/l

RT: 1.03 min Scan# 50

Delta R.T. -0.12 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

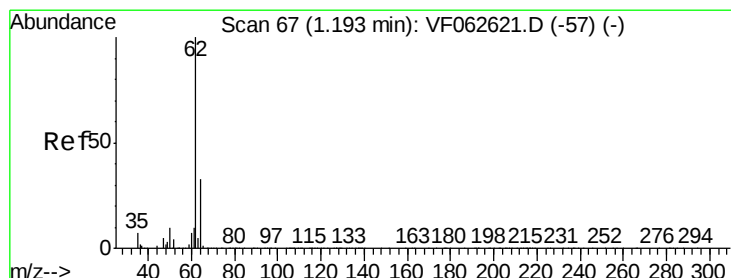
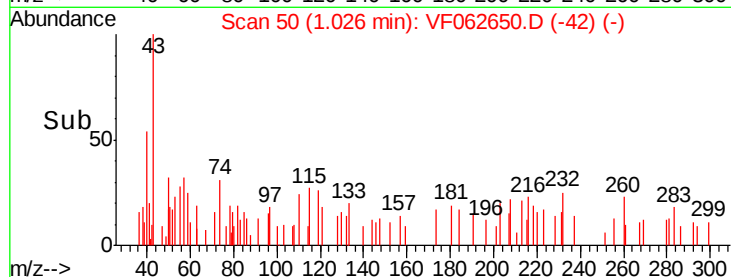
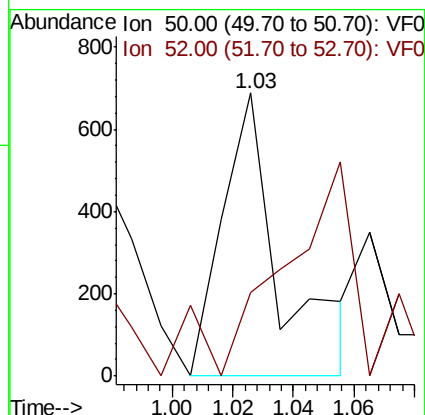
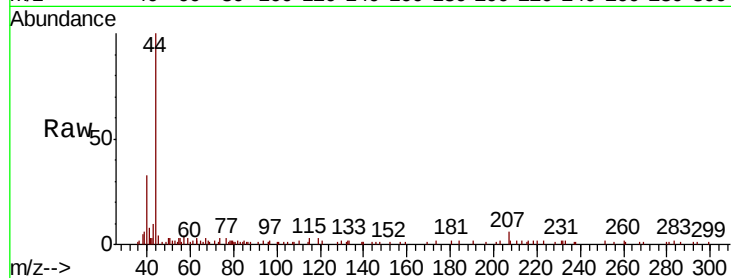
ClientSampleId :

Tot Ion: 50 Resp: 918

Ion Ratio Lower Upper

50 100

52 29.7 27.5 41.3



#4

Vinyl Chloride

Concen: 60.004 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.06 min

Lab File: VF062650.D

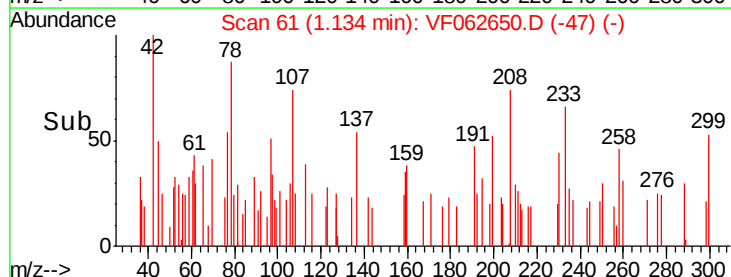
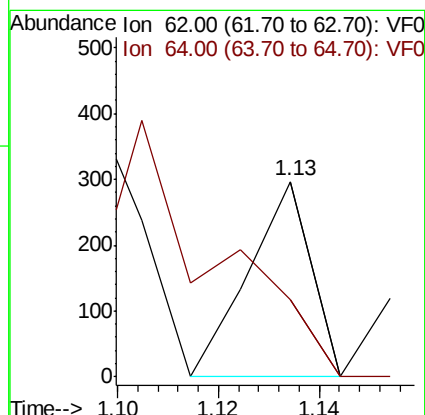
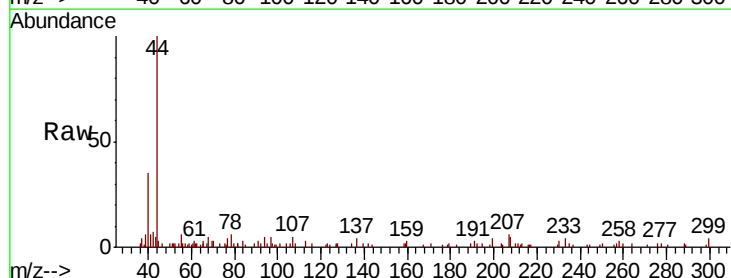
Acq: 17 May 2019 20:43

Tgt Ion: 62 Resp: 254

Ion Ratio Lower Upper

62 100

64 39.4 26.7 40.1





#5

Bromomethane

Concen: 227.141 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.03 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

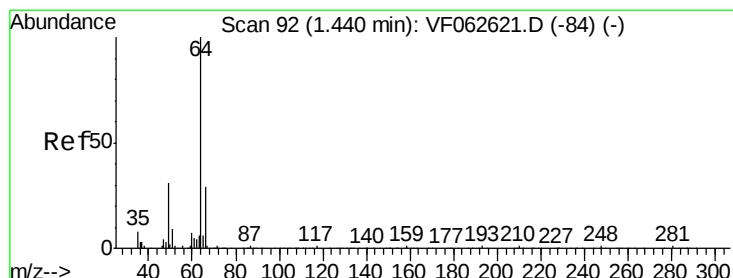
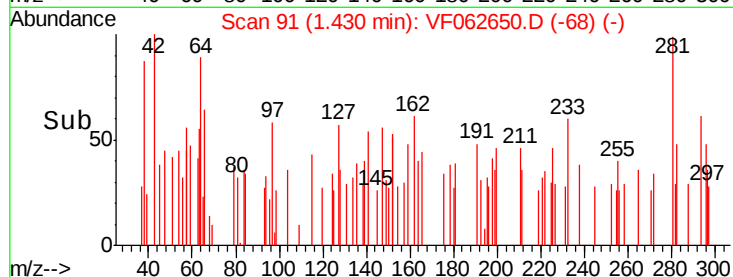
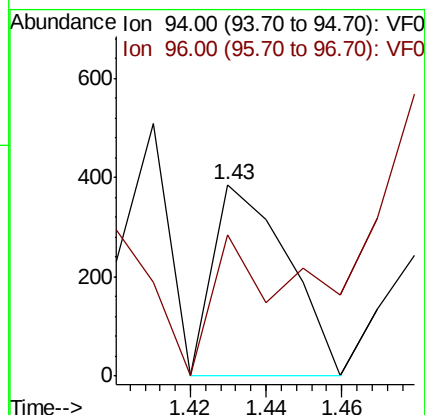
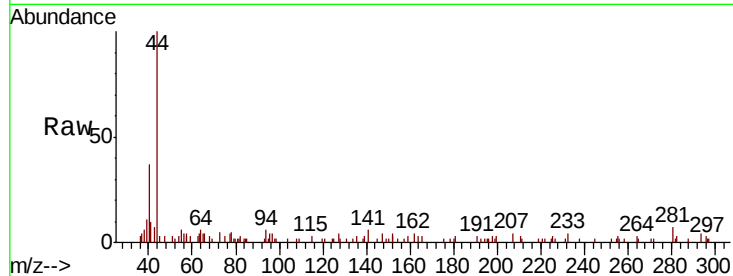
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 526

Ion Ratio Lower Upper

94 100

96 73.8 73.2 109.8



#6

Chloroethane

Concen: 256.649 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062650.D

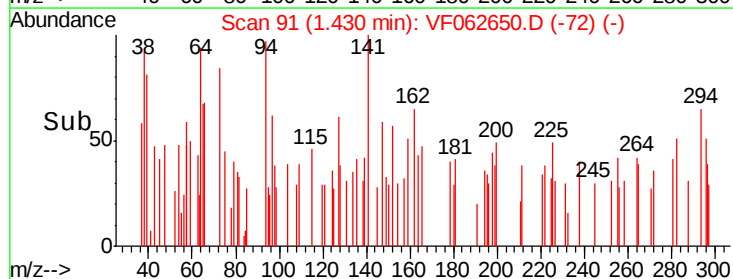
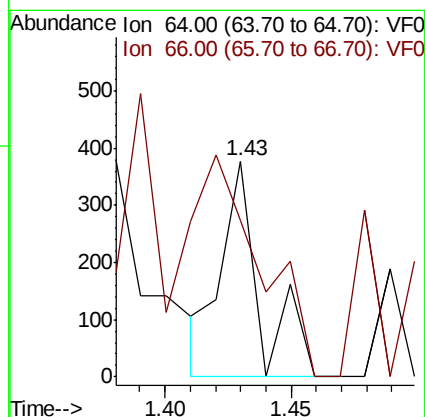
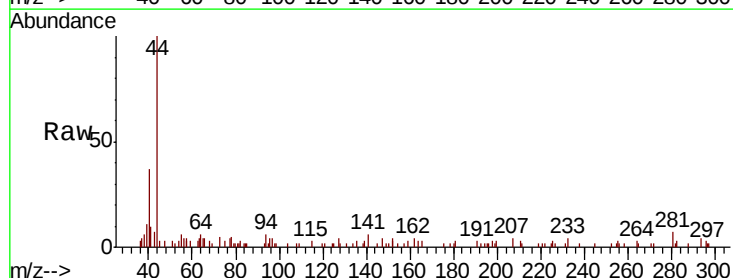
Acq: 17 May 2019 20:43

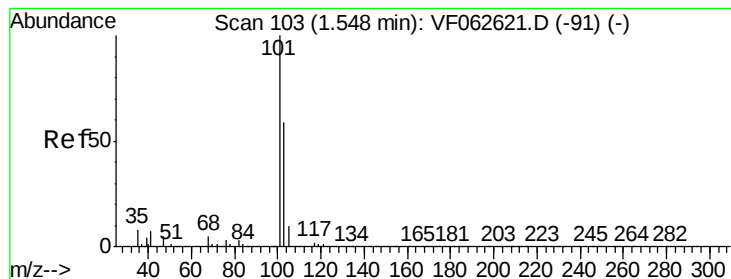
Tgt Ion: 64 Resp: 399

Ion Ratio Lower Upper

64 100

66 72.4 23.4 35.2#



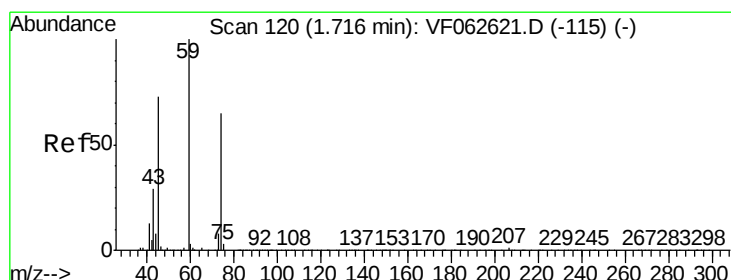
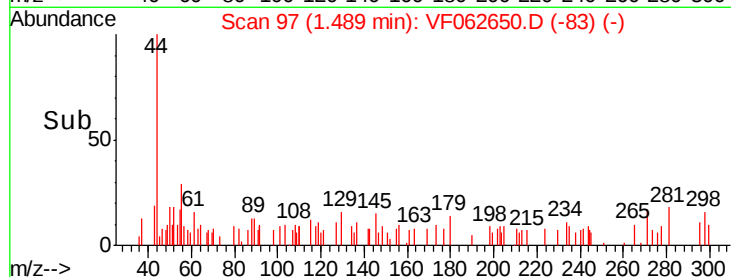
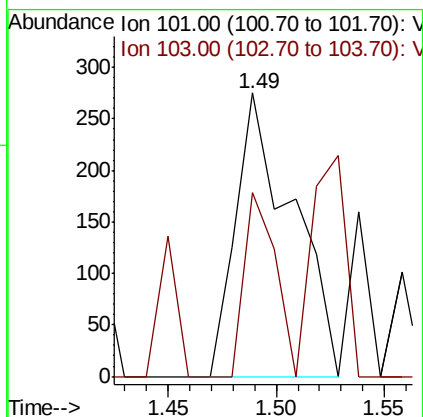
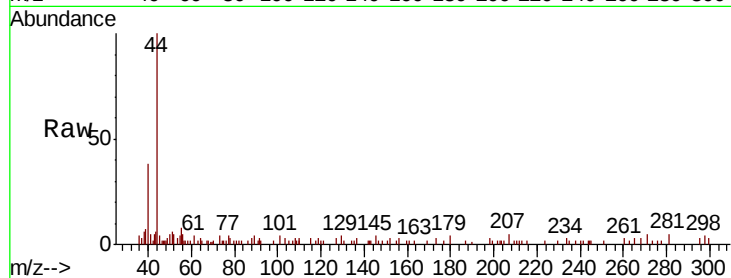


#7

Trichlorofluoromethane
Concen: 88.849 ug/l
RT: 1.49 min Scan# 97
Delta R.T. -0.06 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampleId :

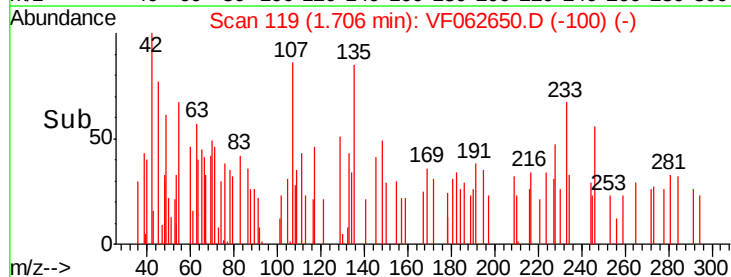
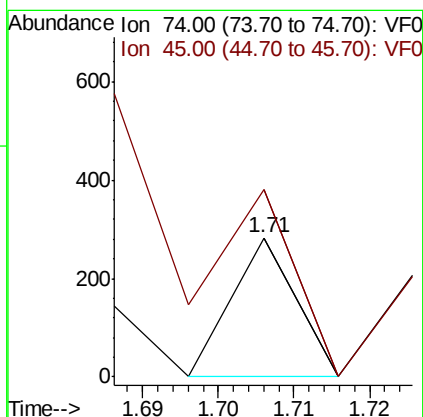
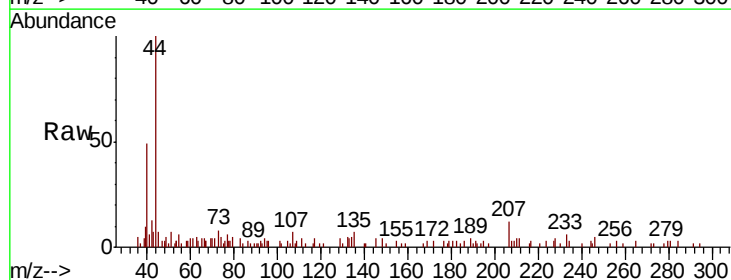
Tot Ion:101 Resp: 505
Ion Ratio Lower Upper
101 100
103 64.7 47.3 70.9

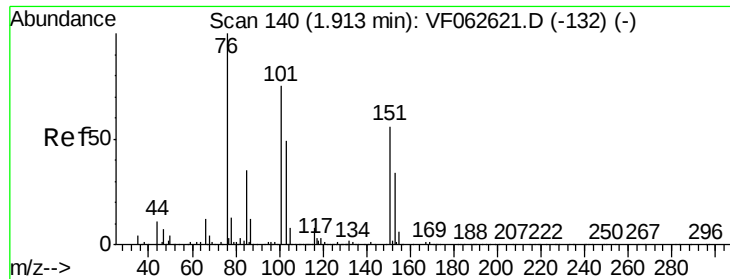


#8

Diethyl Ether
Concen: 148.313 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 74 Resp: 167
Ion Ratio Lower Upper
74 100
45 135.1 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.578 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampleId :

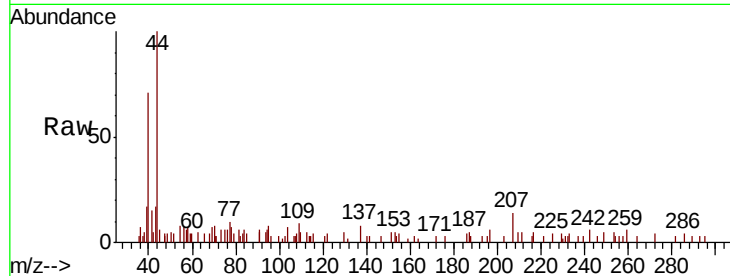
Tot Ion:101 Resp: 60

Ion Ratio Lower Upper

101 100

85 143.1 37.1 55.7#

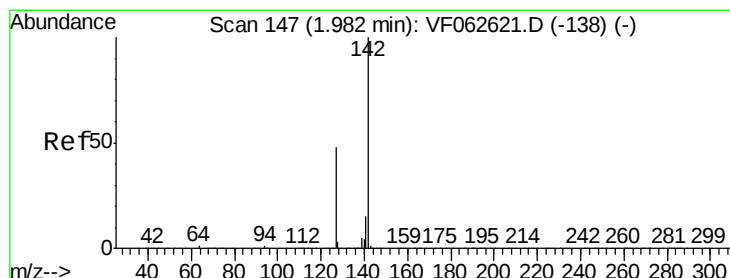
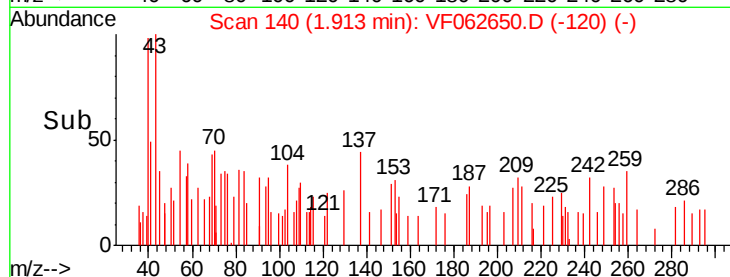
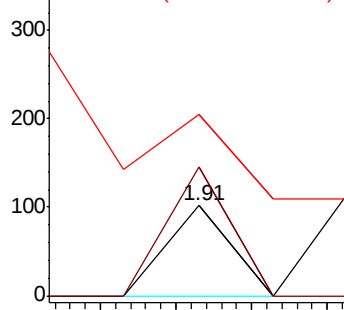
151 201.0 58.8 88.2#



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: 17.863 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

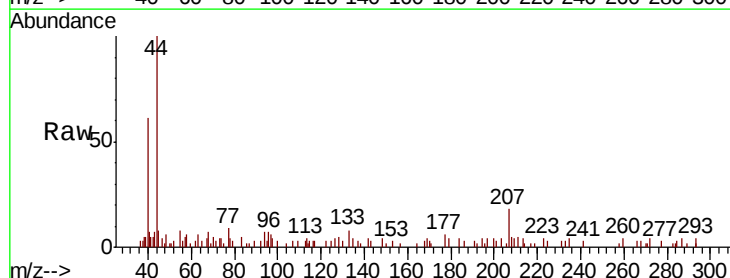
Tgt Ion:142 Resp: 127

Ion Ratio Lower Upper

142 100

127 101.9 38.1 57.1#

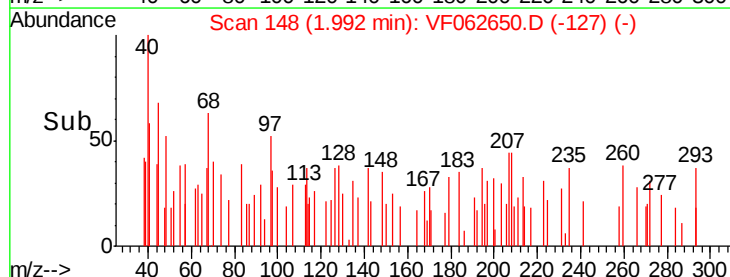
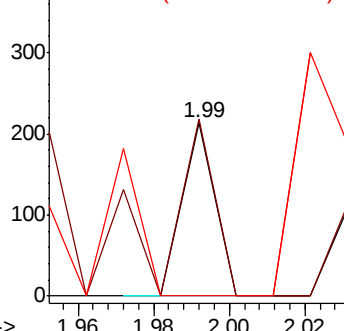
141 0.0 11.7 17.5#

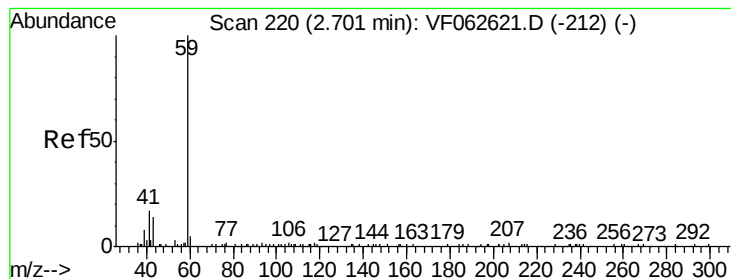


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



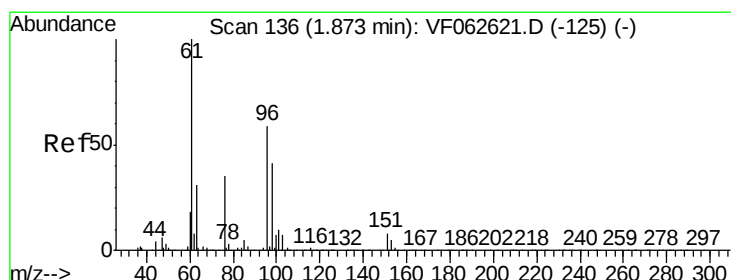
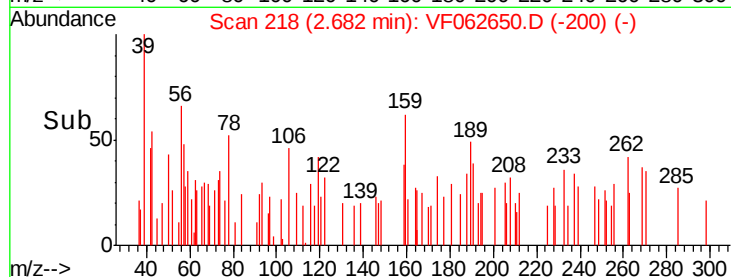
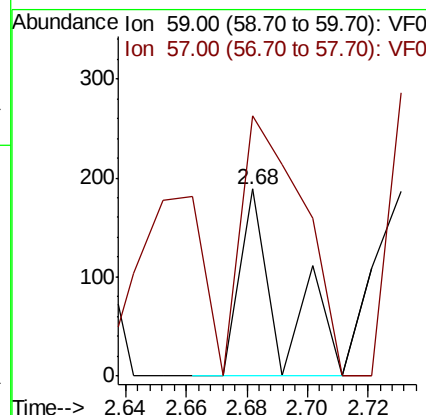
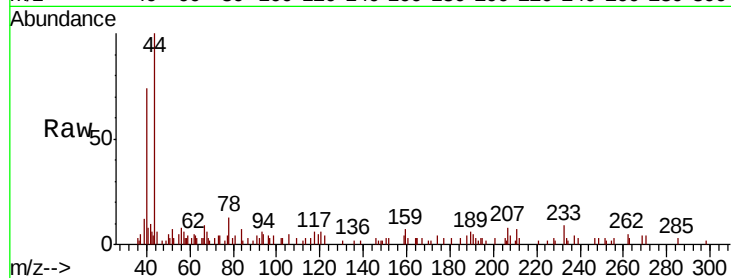


#11

Tert butyl alcohol
Concen: 1033.766 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampled :

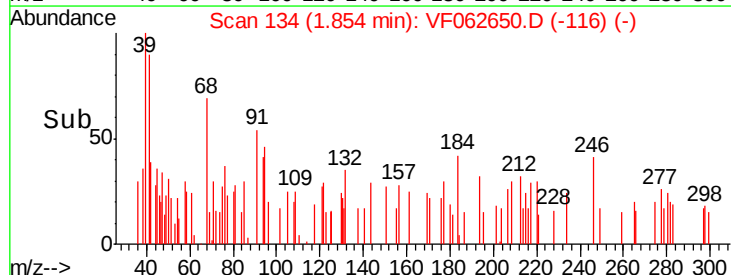
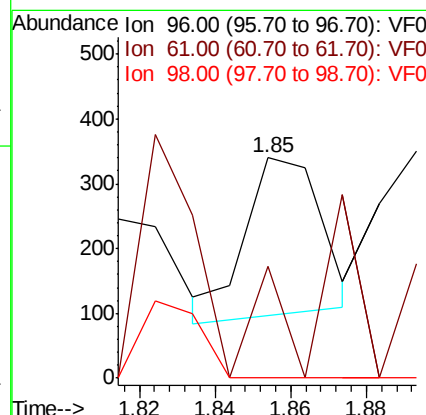
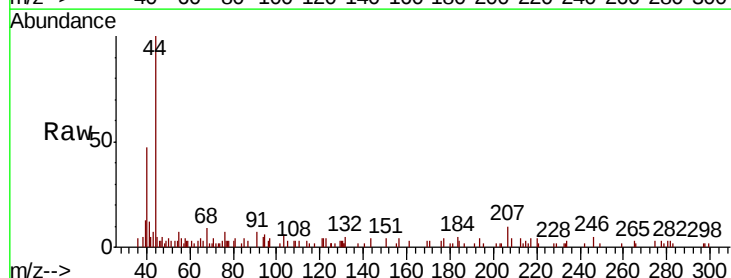
Tot Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 218.5 9.3 13.9#

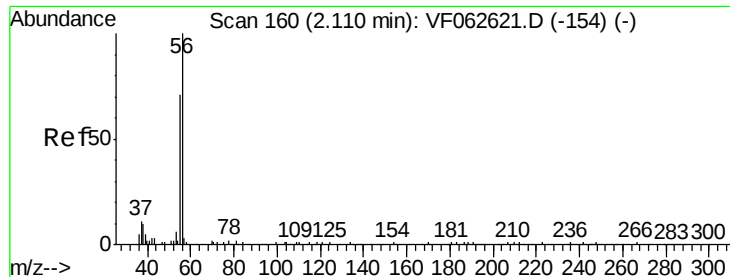


#12

1,1-Dichloroethene
Concen: 102.219 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 96 Resp: 337
Ion Ratio Lower Upper
96 100
61 50.6 134.3 201.5#
98 0.0 55.0 82.6#

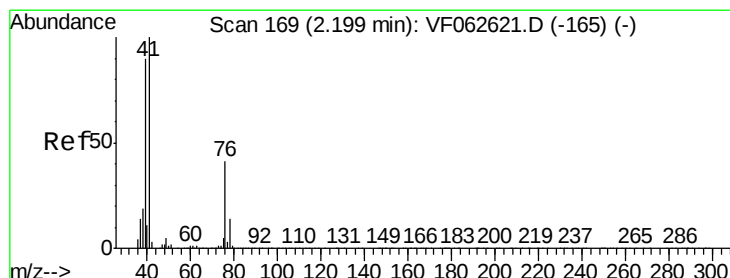
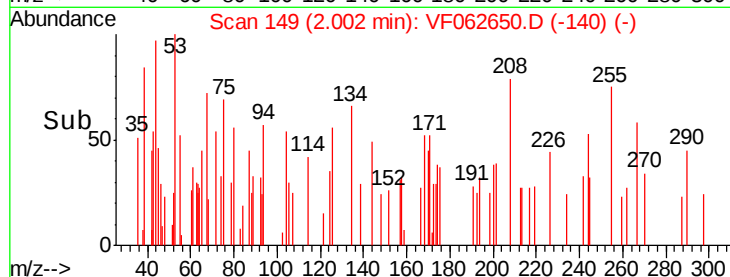
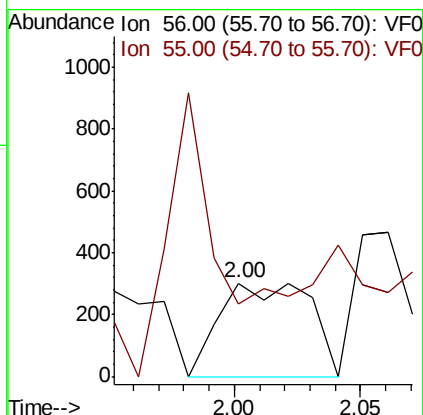
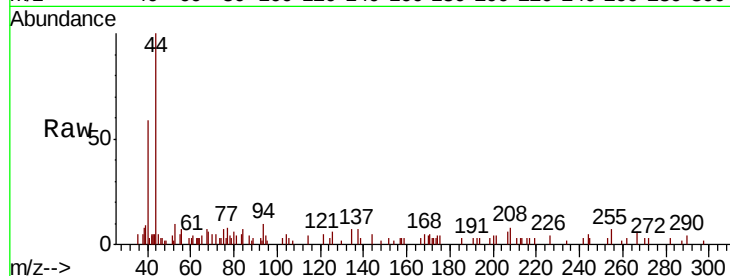




#13
Acrolein
Concen: 4201.919 ug/l
RT: 2.00 min Scan# 149
Delta R.T. -0.11 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

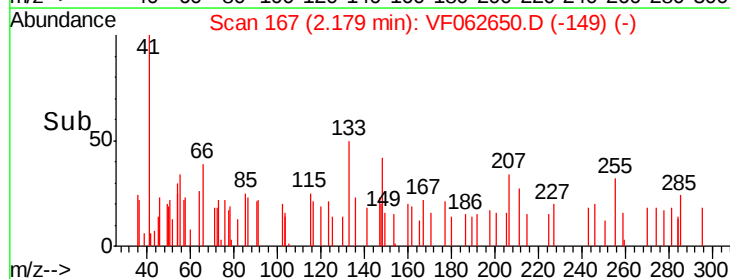
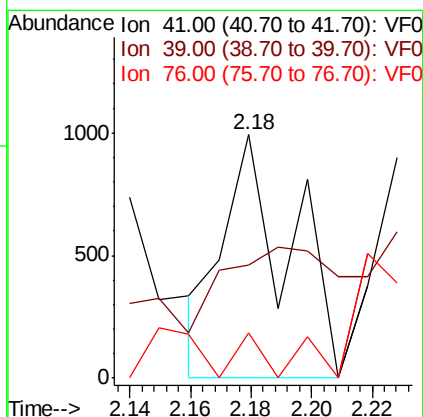
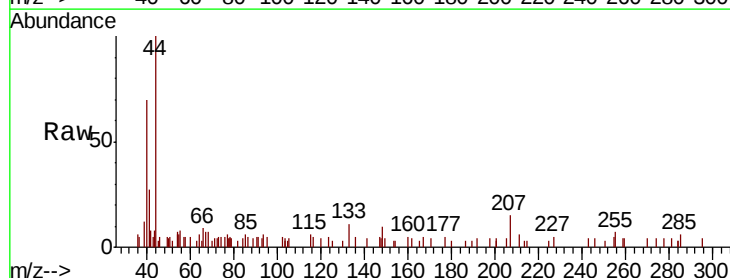
Instrument :
MSVOA_F
ClientSampled :

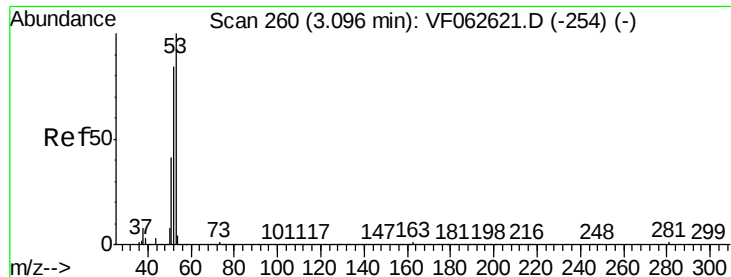
Tot Ion: 56 Resp: 751
Ion Ratio Lower Upper
56 100
55 78.4 59.4 89.0



#14
Allyl chloride
Concen: 509.075 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 41 Resp: 1519
Ion Ratio Lower Upper
41 100
39 46.2 72.0 108.0#
76 18.6 34.8 52.2#





#15

Acrylonitrile

Concen: 898.592 ug/l

RT: 3.10 min Scan# 260

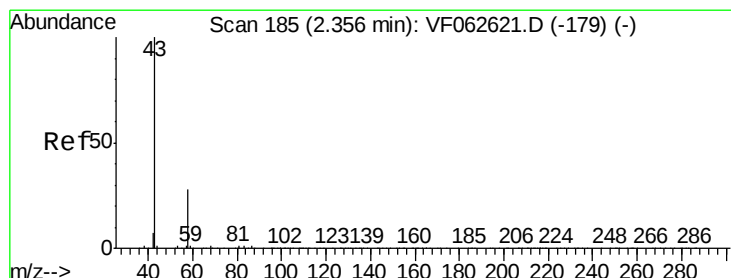
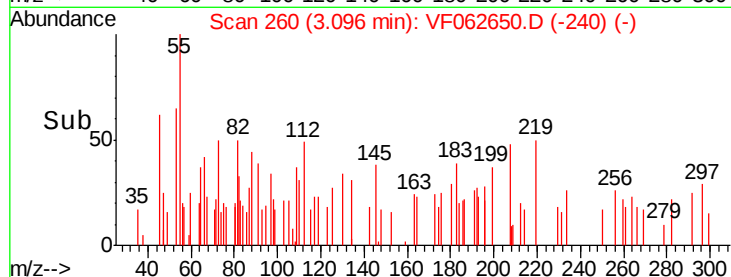
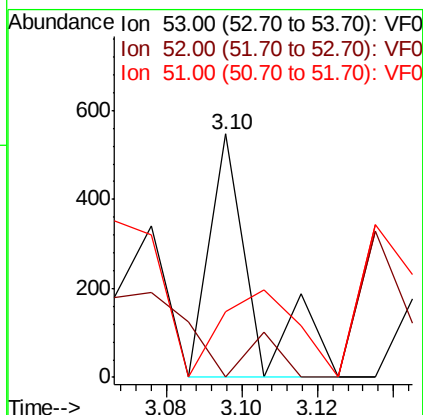
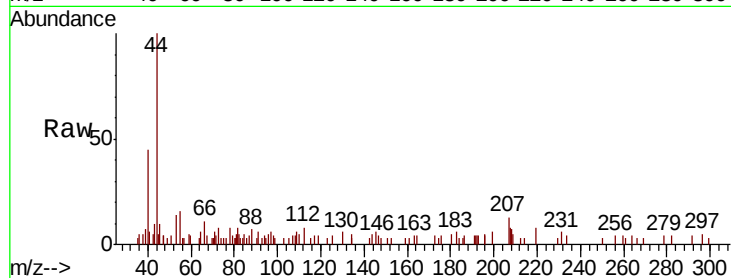
Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	434
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.3	100.9#
51	27.1	33.0	49.6#



#16

Acetone

Concen: 1426.847 ug/l

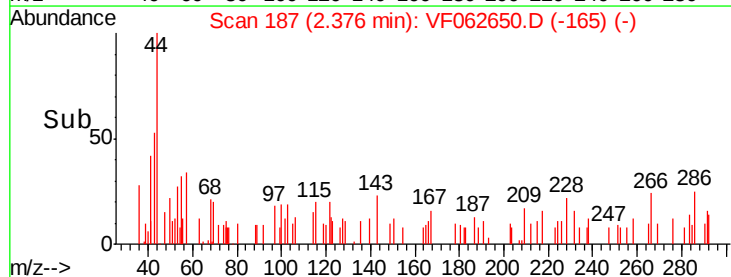
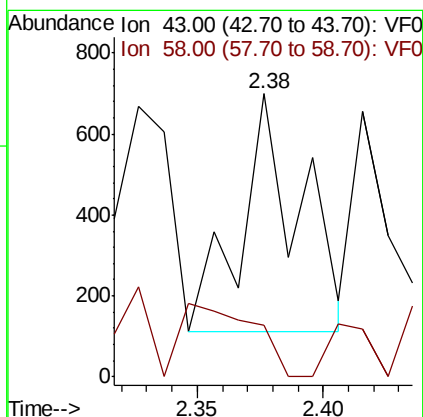
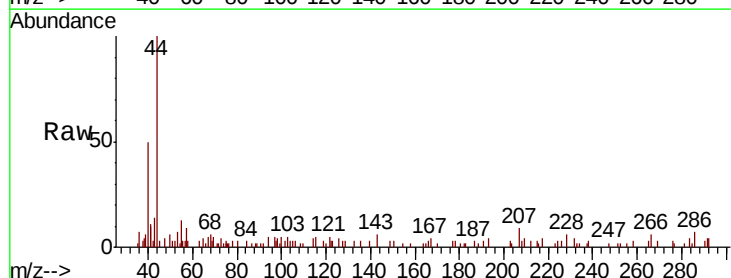
RT: 2.38 min Scan# 187

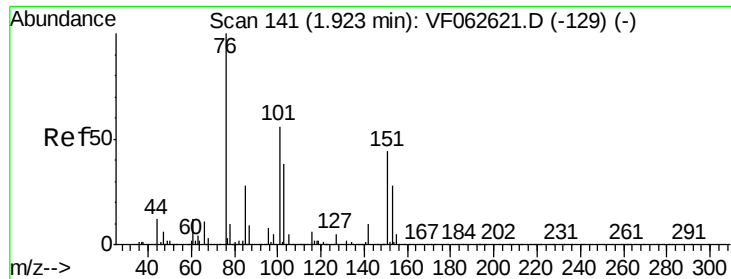
Delta R.T. 0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Tgt Ion:	43	Resp:	960
Ion	Ratio	Lower	Upper
43	100		
58	18.5	22.6	33.8#

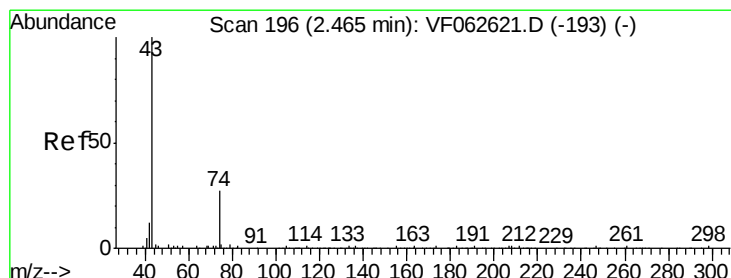
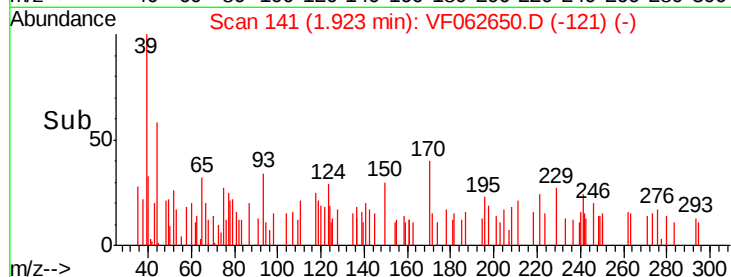
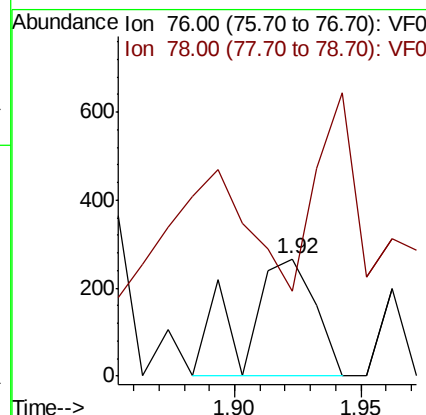
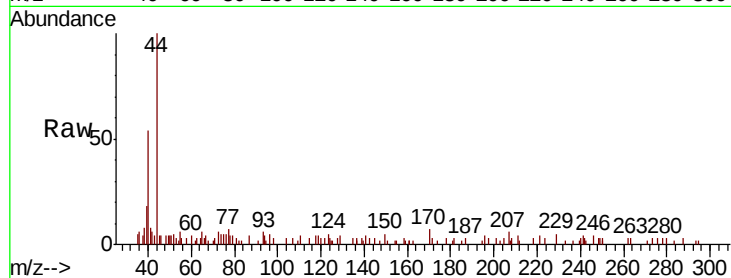




#17
Carbon Disulfide
Concen: 53.726 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

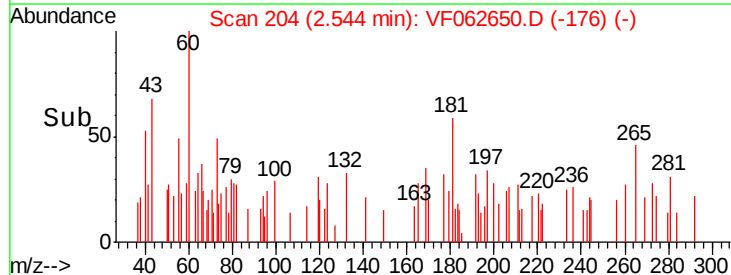
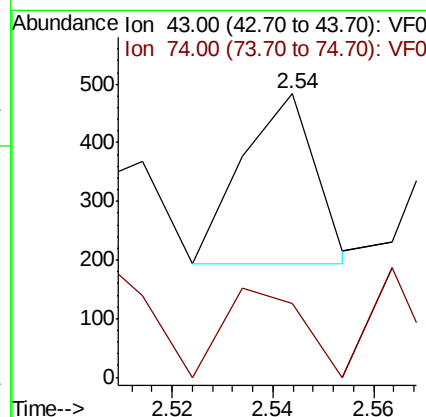
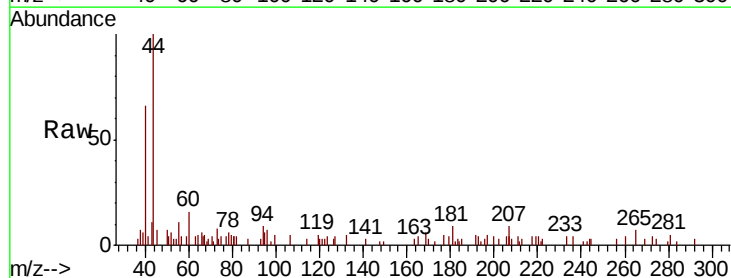
Instrument :
MSVOA_F
ClientSampleId :

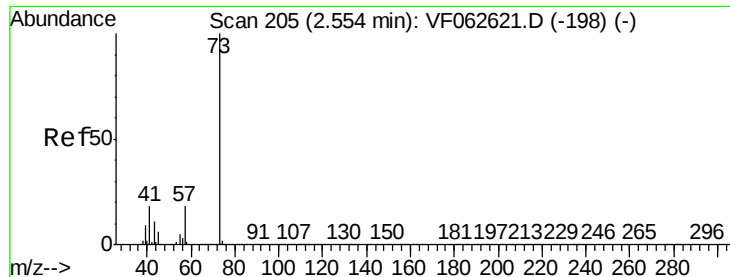
Tot Ion: 76 Resp: 525
Ion Ratio Lower Upper
76 100
78 72.7 8.4 12.6#



#18
Methyl Acetate
Concen: 276.180 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.08 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
74 25.9 18.9 28.3



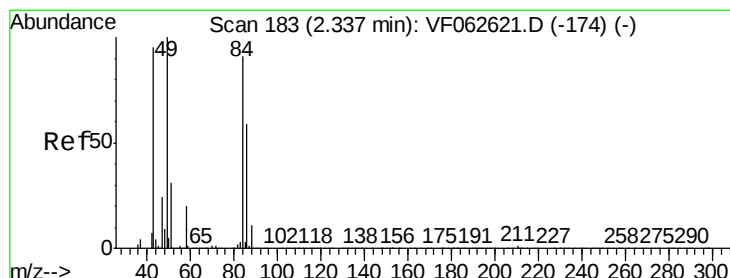
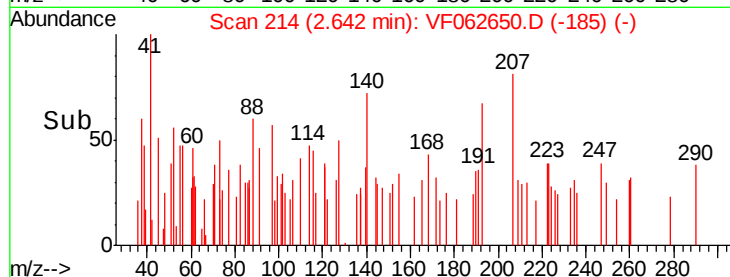
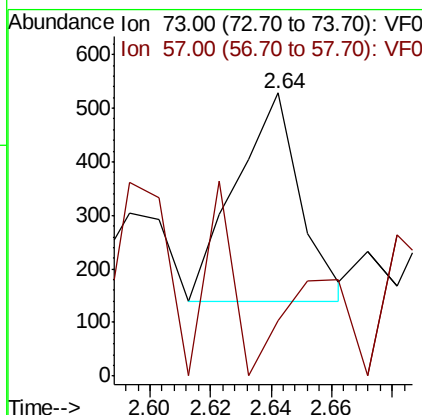
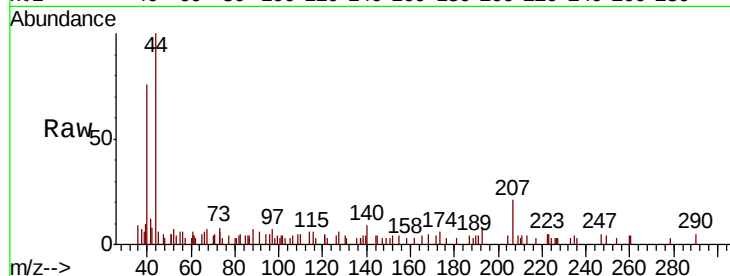


#19

Methyl tert-butyl Ether
 Concen: 98.411 ug/l
 RT: 2.64 min Scan# 214
 Delta R.T. 0.09 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Instrument :
 MSVOA_F
 ClientSampled :

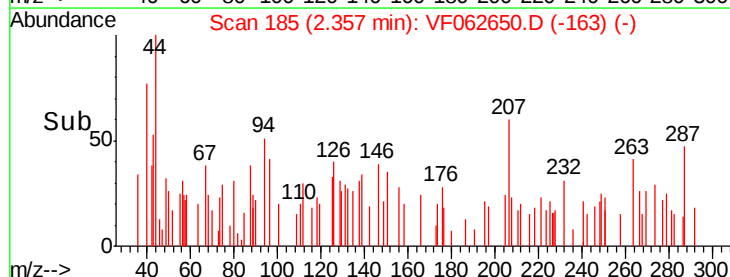
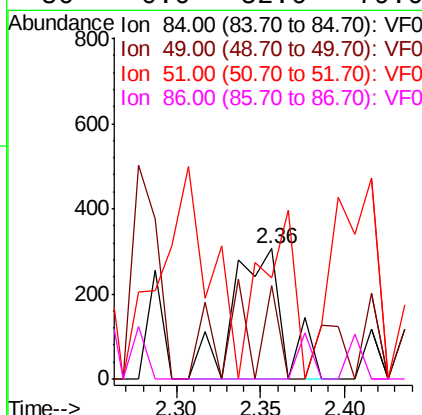
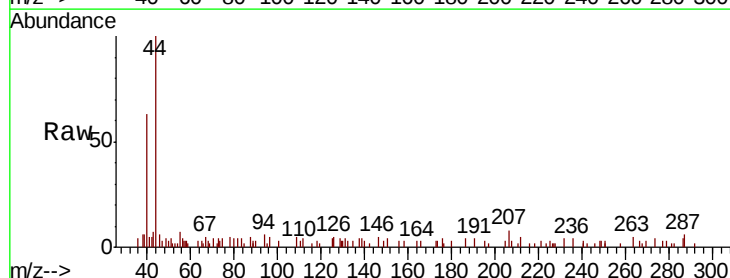
Tot Ion: 73 Resp: 580
 Ion Ratio Lower Upper
 73 100
 57 19.5 14.2 21.4

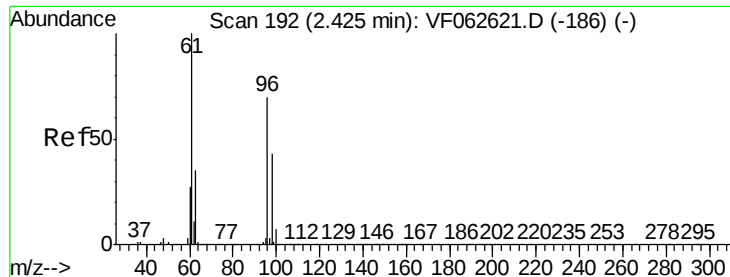


#20

Methylene Chloride
 Concen: 189.774 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion: 84 Resp: 640
 Ion Ratio Lower Upper
 84 100
 49 71.6 89.8 134.8#
 51 115.4 28.4 42.6#
 86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 283.948 ug/l

RT: 2.40 min Scan# 189

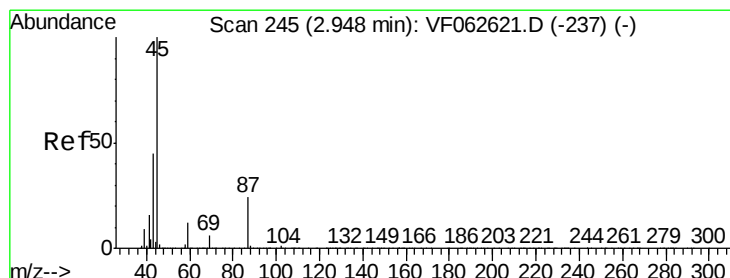
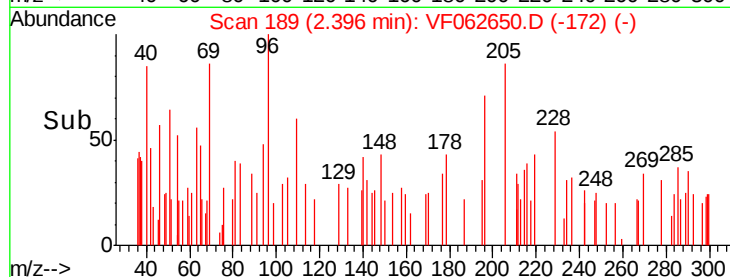
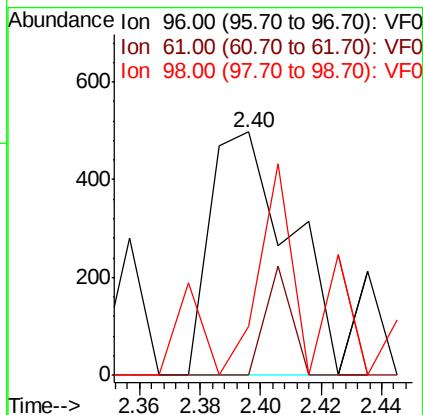
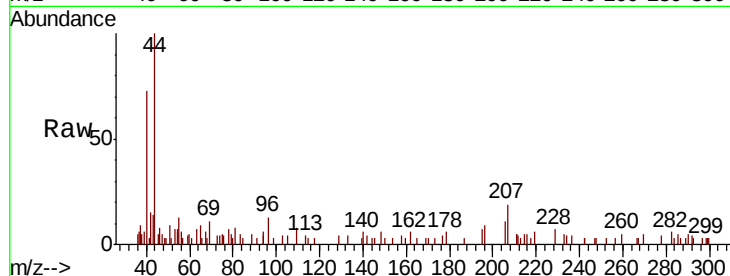
Delta R.T. -0.03 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	915
Ion	Ratio	Lower	Upper
96	100		
61	0.0	114.6	171.8#
98	20.3	49.5	74.3#



#22

Diisopropyl ether

Concen: 99.330 ug/l

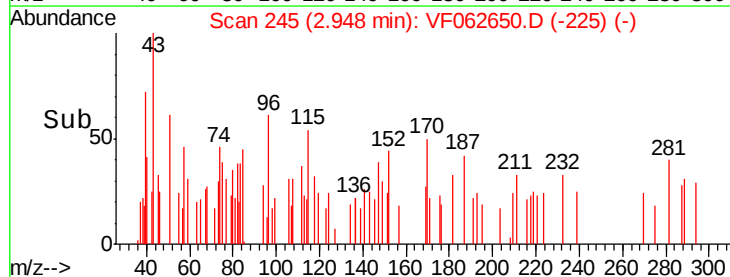
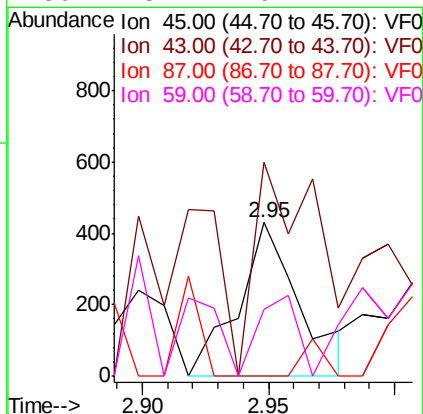
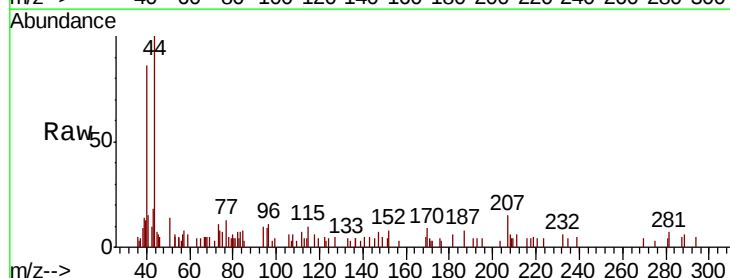
RT: 2.95 min Scan# 245

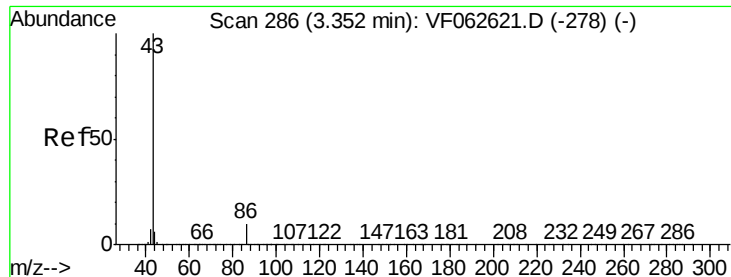
Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Tgt Ion:	45	Resp:	731
Ion	Ratio	Lower	Upper
45	100		
43	139.6	36.4	54.6#
87	0.0	19.3	28.9#
59	43.4	9.4	14.2#





#23

Vinyl Acetate

Concen: 206.471 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

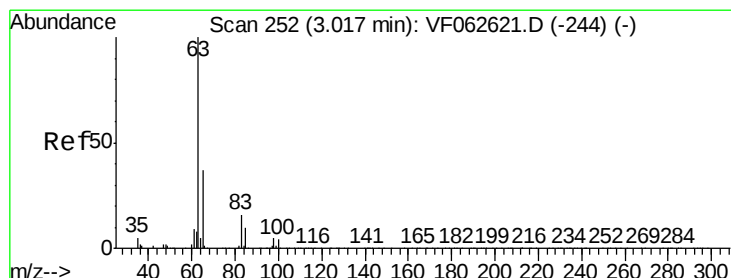
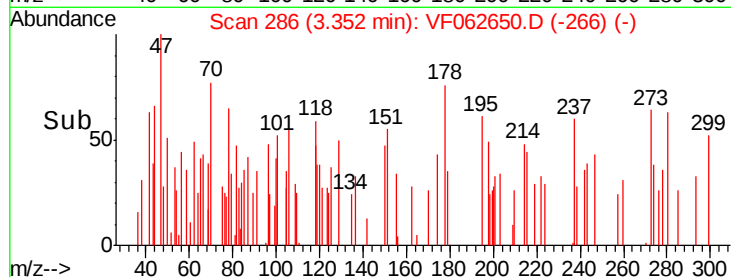
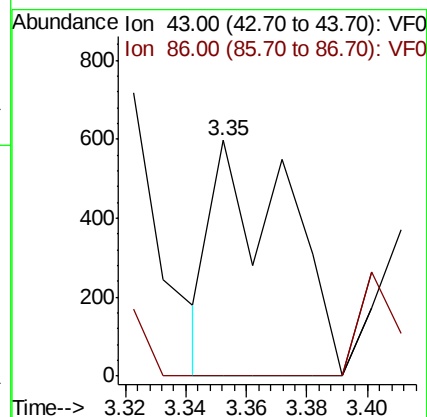
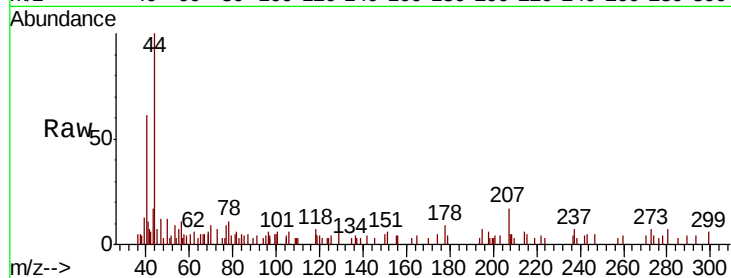
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

86 29.6 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 82.241 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.06 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

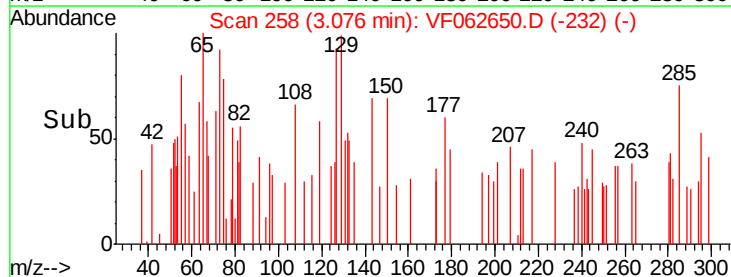
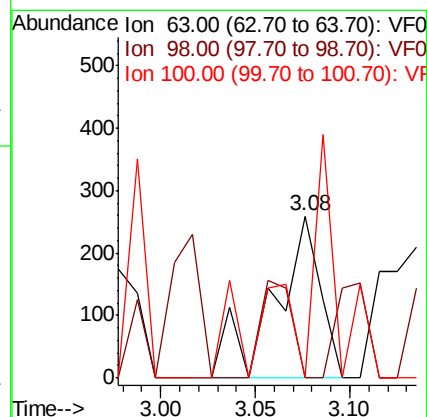
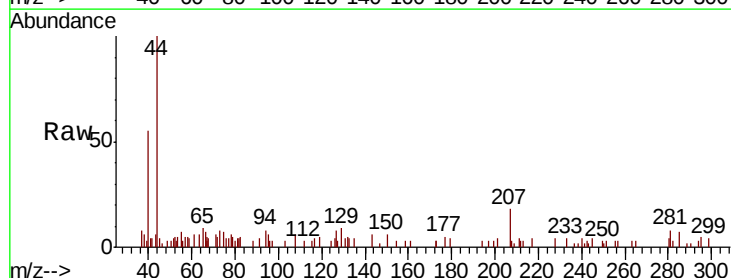
Tgt Ion: 63 Resp: 444

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 395.837 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

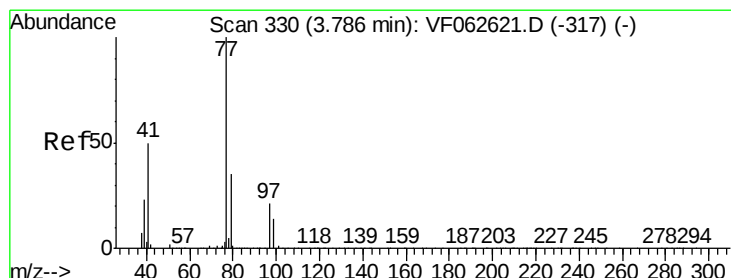
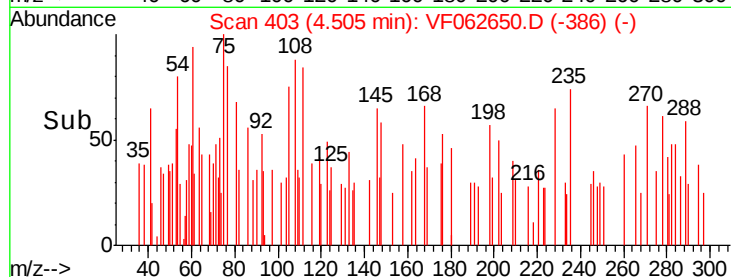
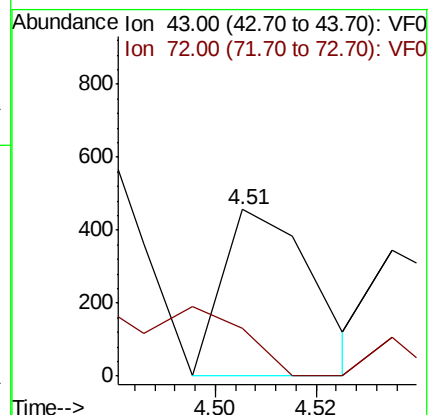
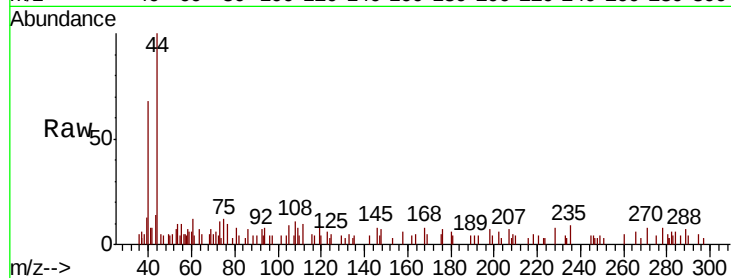
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 569

Ion Ratio Lower Upper

43 100

72 28.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 273.876 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062650.D

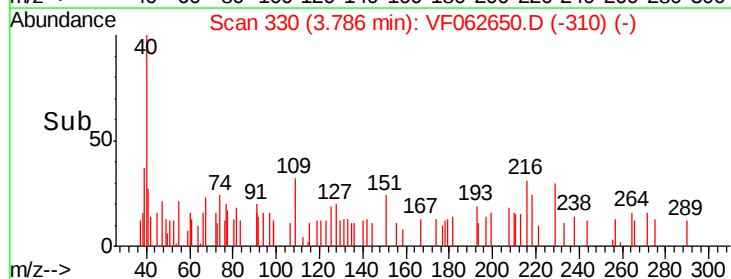
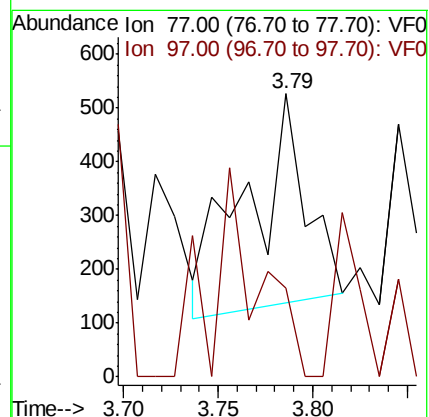
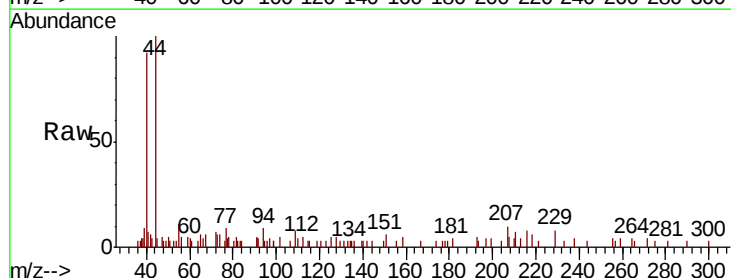
Acq: 17 May 2019 20:43

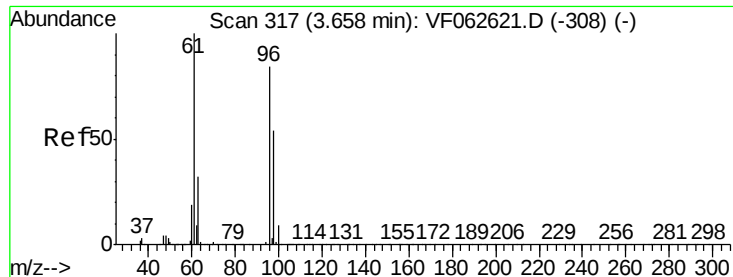
Tgt Ion: 77 Resp: 846

Ion Ratio Lower Upper

77 100

97 31.5 14.1 42.4



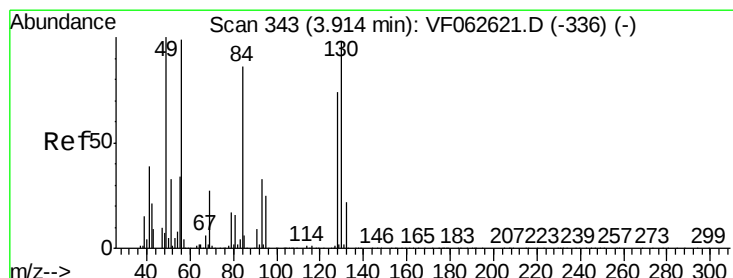
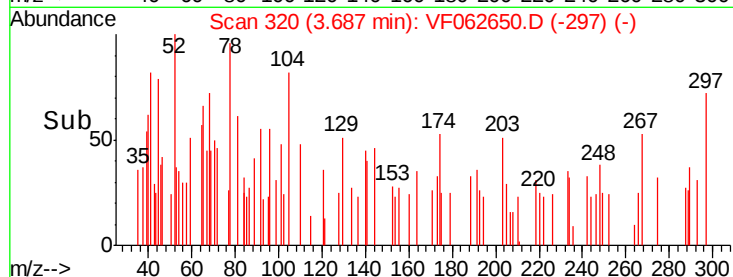
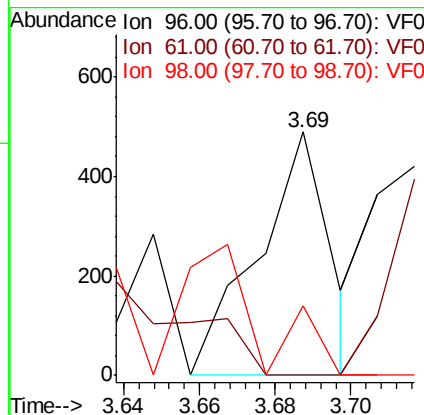
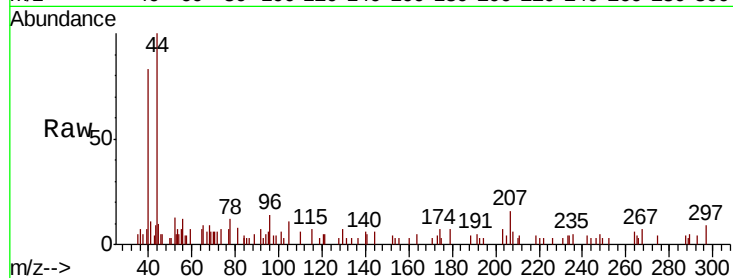


#27

cis-1,2-Dichloroethene
Concen: 121.308 ug/l
RT: 3.69 min Scan# 320
Delta R.T. 0.03 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampleId :

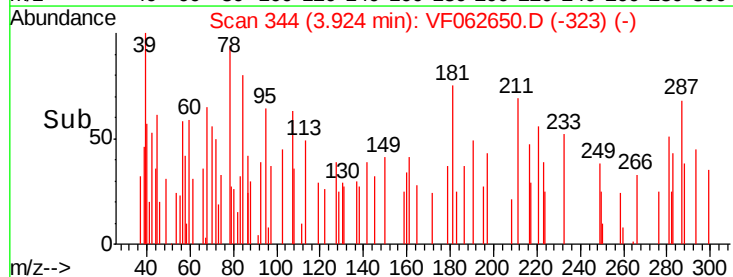
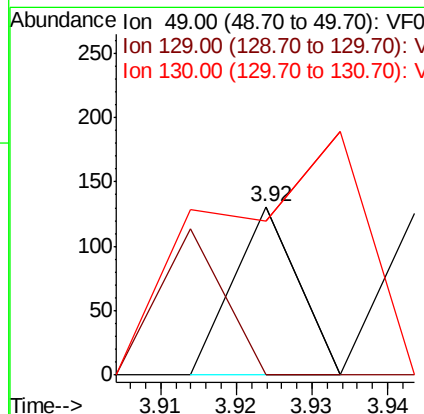
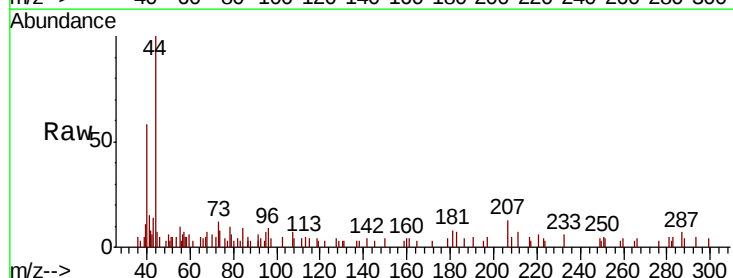
Tot Ion: 96 Resp: 643
Ion Ratio Lower Upper
96 100
61 0.0 0.0 237.4
98 28.6 0.0 129.0

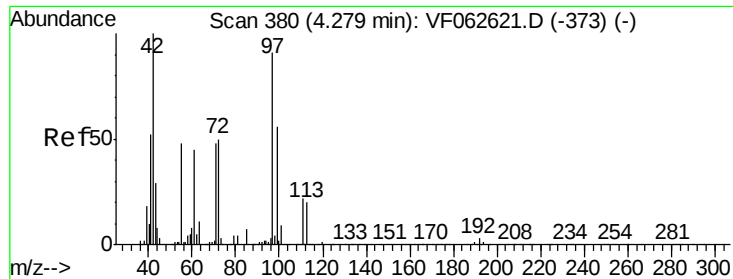


#28

Bromochloromethane
Concen: 25.430 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 49 Resp: 77
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 91.6 77.8 116.8

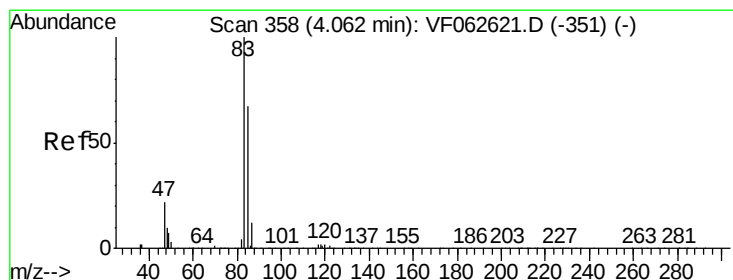
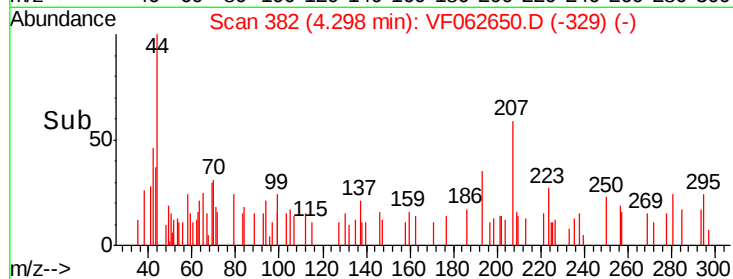
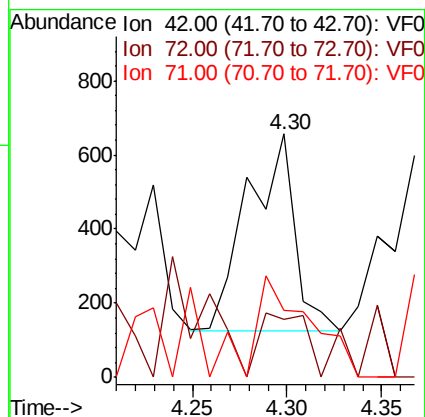
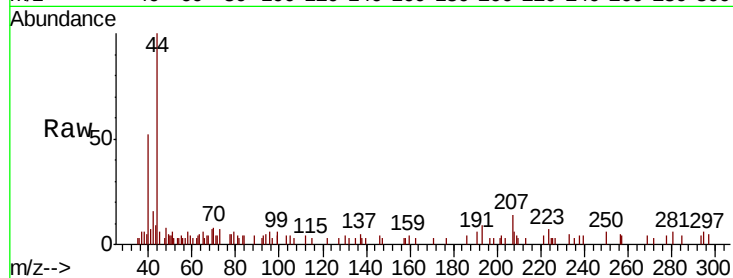




#29
Tetrahydrofuran
Concen: 1588.474 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

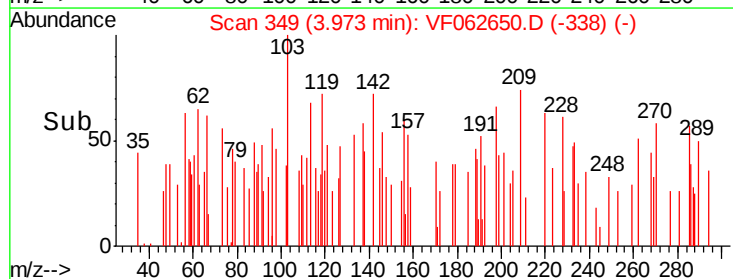
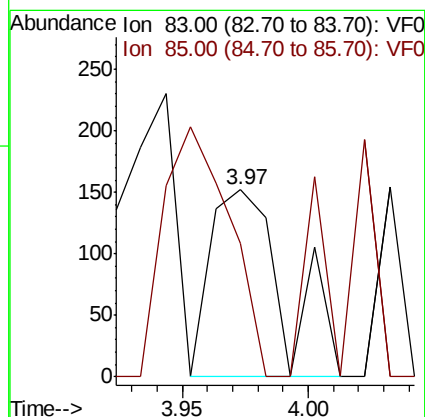
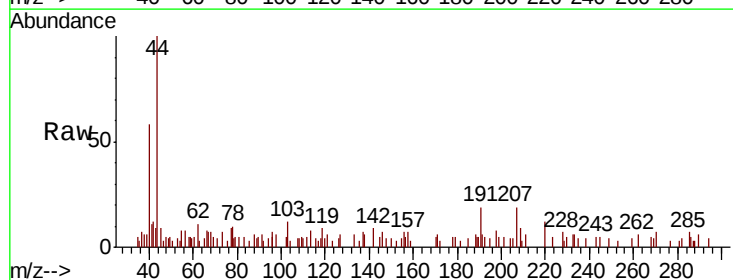
Instrument :
MSVOA_F
ClientSampled :

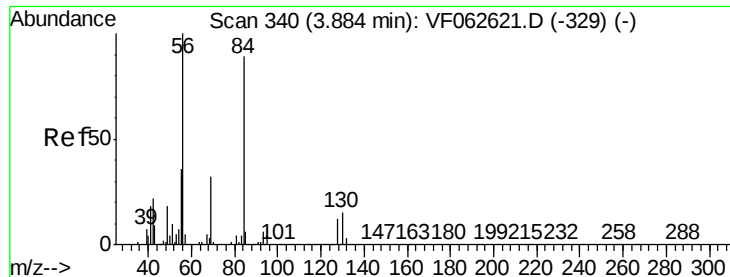
Tot Ion	Ratio	Lower	Upper
42	100		
72	31.6	38.2	57.2#
71	55.1	35.8	53.6#



#30
Chloroform
Concen: 41.224 ug/l
RT: 3.97 min Scan# 349
Delta R.T. -0.09 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.7	53.6	80.4





#31

Cyclohexane

Concen: 134.088 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.03 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampled :

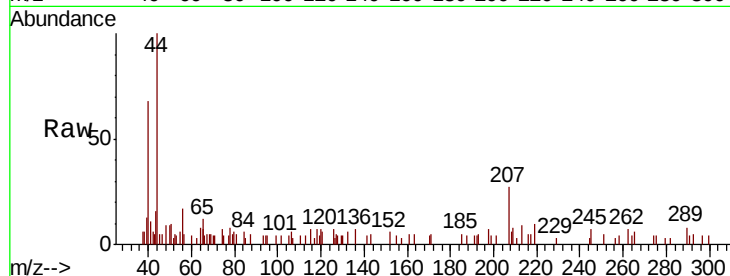
Tot Ion: 56 Resp: 972

Ion Ratio Lower Upper

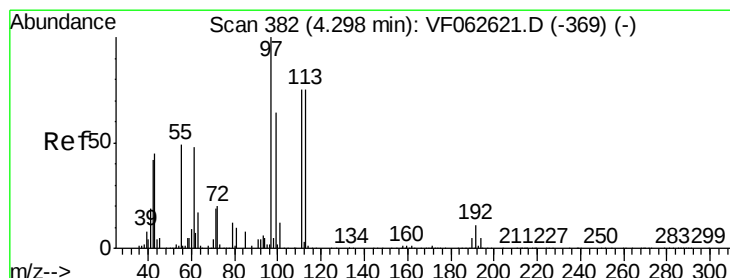
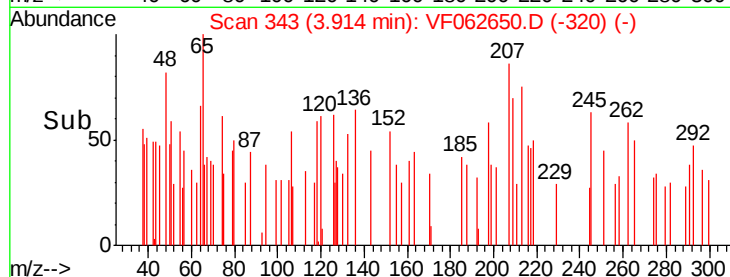
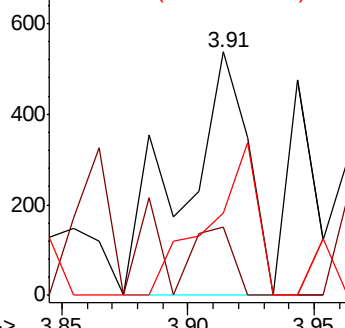
56 100

69 21.4 25.3 37.9#

84 41.4 71.0 106.4#



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



#32

1,1,1-Trichloroethane

Concen: 25.512 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

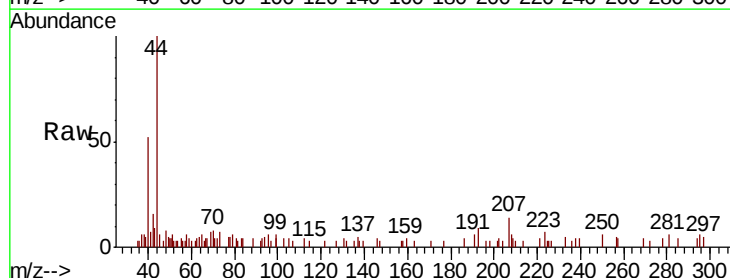
Tgt Ion: 97 Resp: 127

Ion Ratio Lower Upper

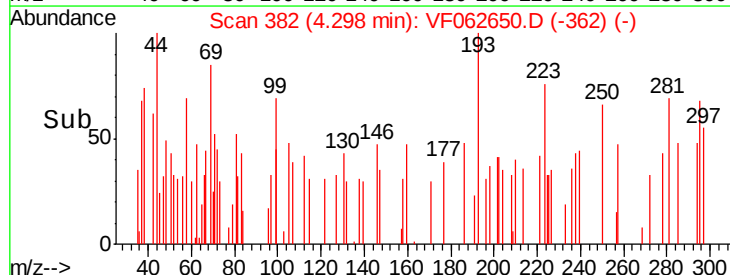
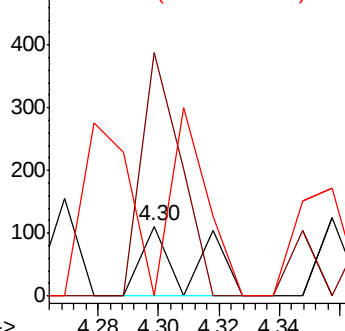
97 100

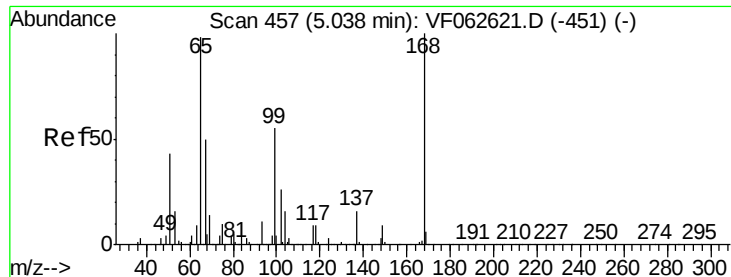
99 349.5 51.3 76.9#

61 0.0 38.2 57.2#



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





#33

1,2-Dichloroethane-d4

Concen: 65.937 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

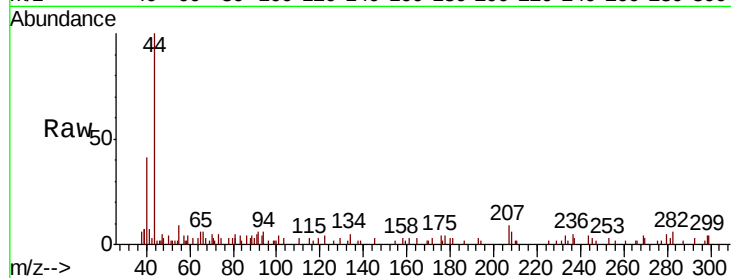
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 171

Ion Ratio Lower Upper

65 100

67 43.9 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.04

300

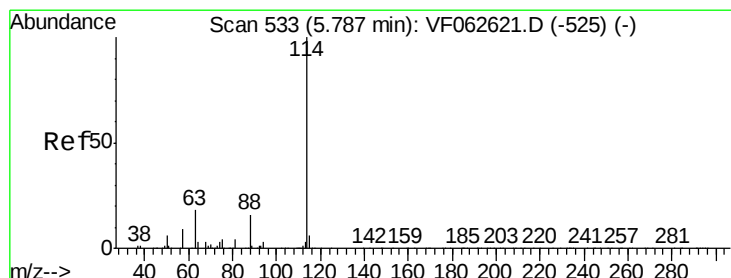
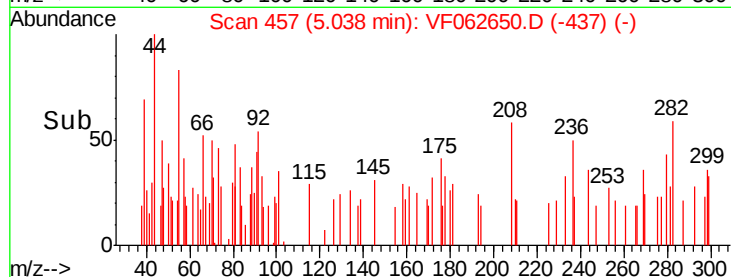
200

100

0

5.02 5.03 5.04 5.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

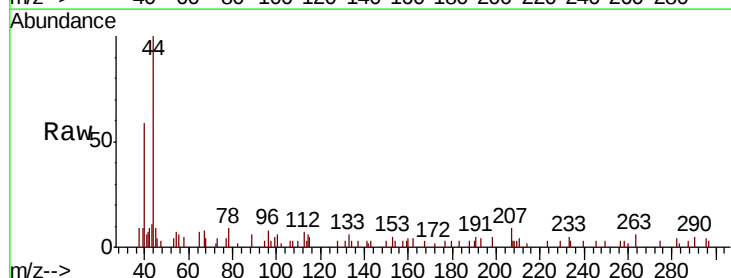
Tgt Ion: 114 Resp: 161

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.4

88 0.0 0.0 32.4



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

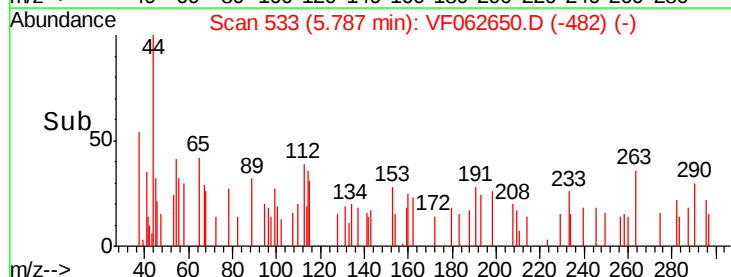
200

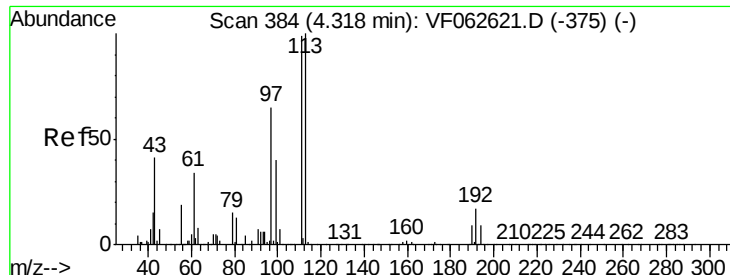
100

0

5.78 5.79 5.80

Time-->

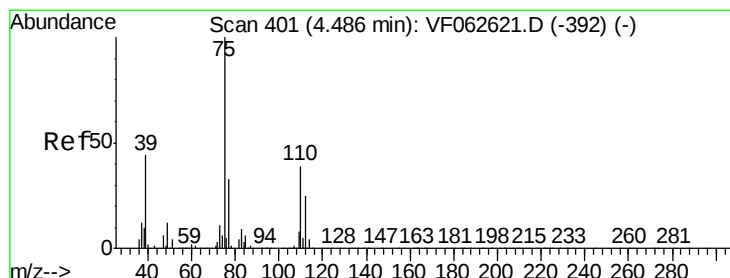
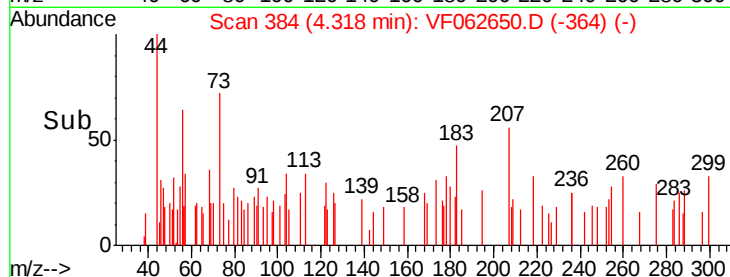
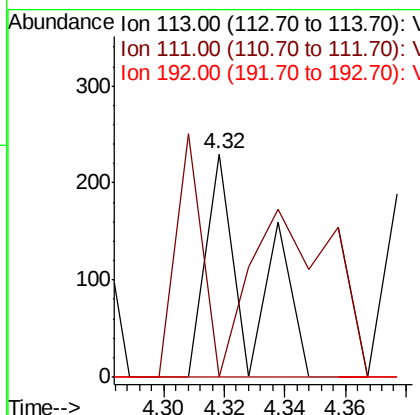
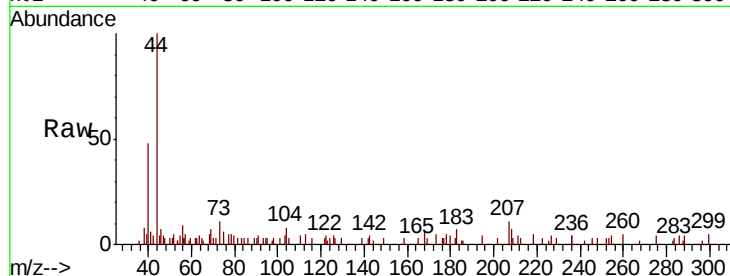




#35
 Dibromofluoromethane
 Concen: 187.503 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

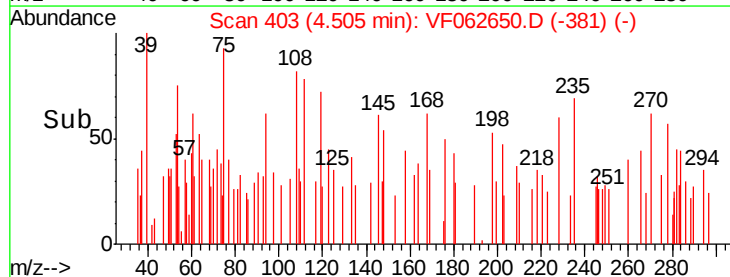
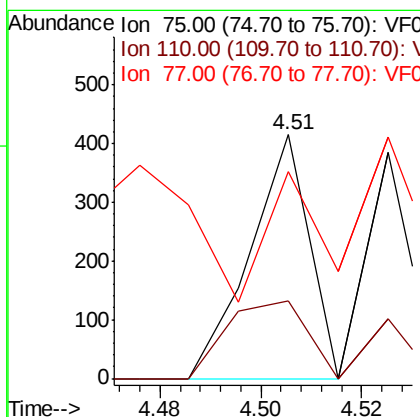
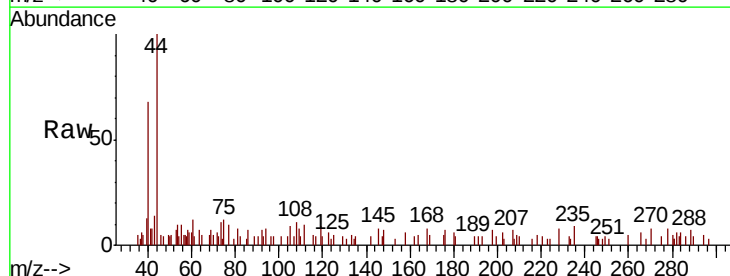
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.4	119.2#
192	0.0	13.4	20.2#



#36
 1,1-Dichloropropene
 Concen: 203.667 ug/l
 RT: 4.51 min Scan# 403
 Delta R.T. 0.02 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	19.7	59.1
77	84.8	26.3	39.5#

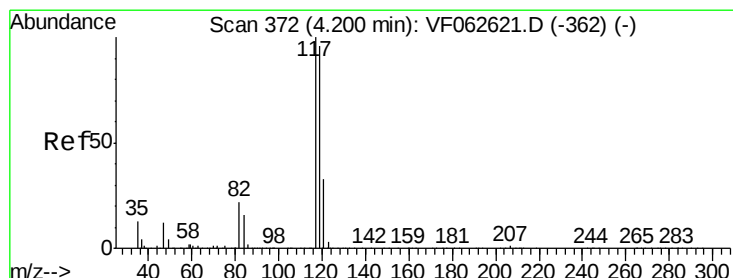
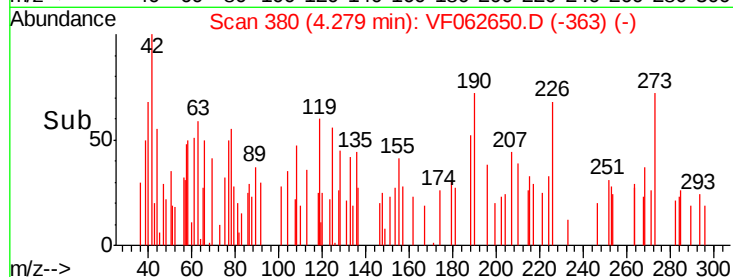
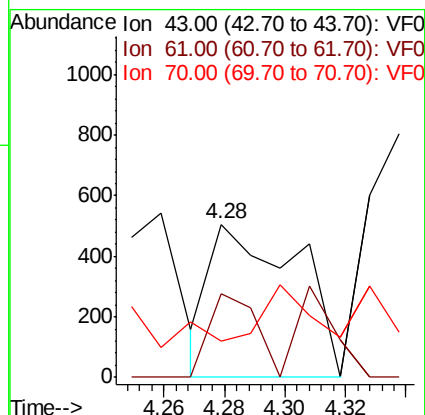
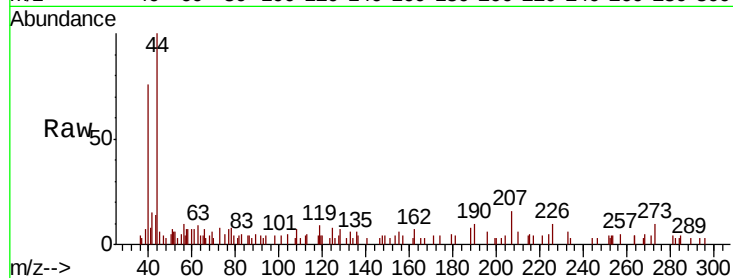




#37
Ethyl Acetate
Concen: 1502.383 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

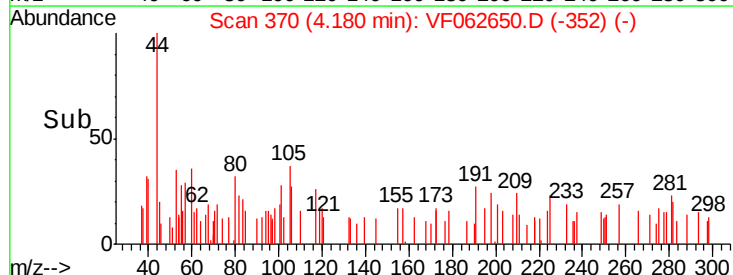
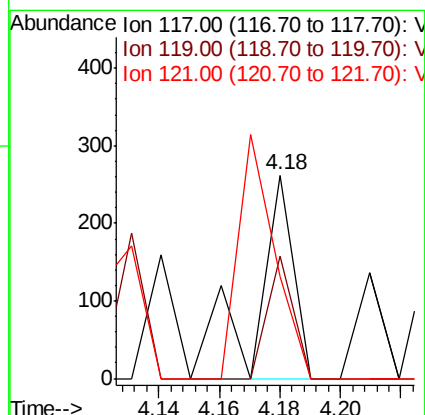
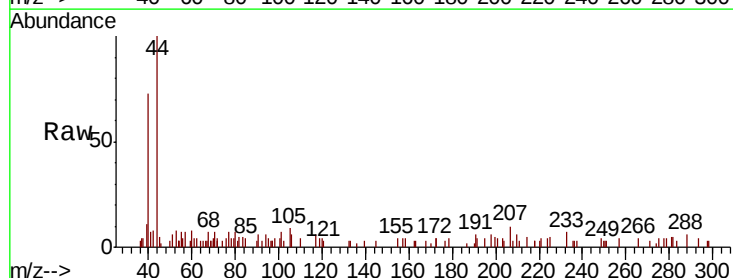
Instrument :
MSVOA_F
ClientSampled :

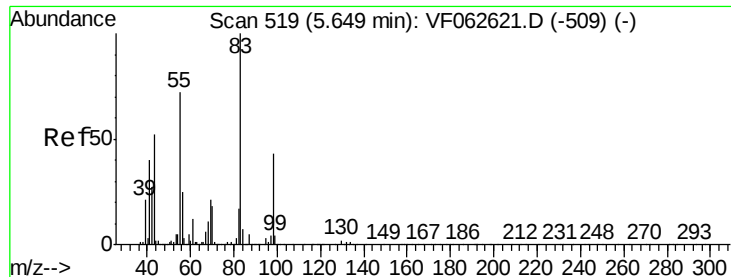
Tot Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
61 54.5 76.9 115.3#
70 23.6 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 182.149 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 117 Resp: 226
Ion Ratio Lower Upper
117 100
119 59.9 76.7 115.1#
121 50.0 26.6 40.0#

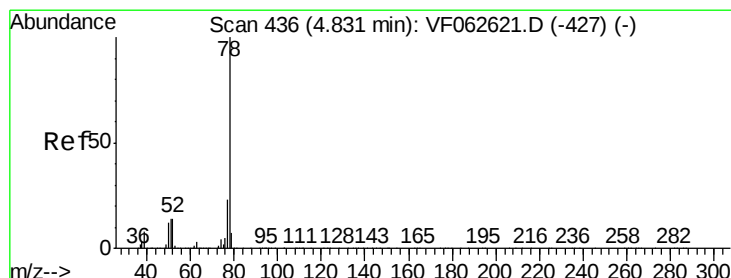
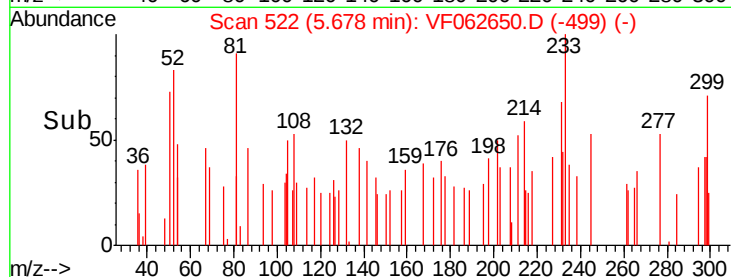
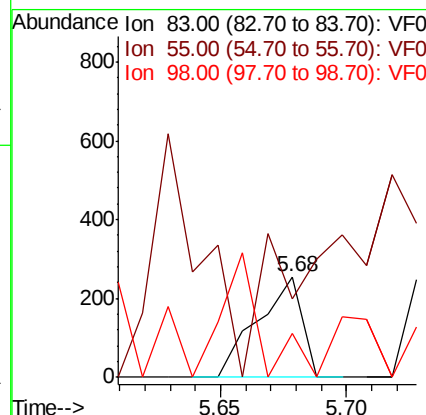
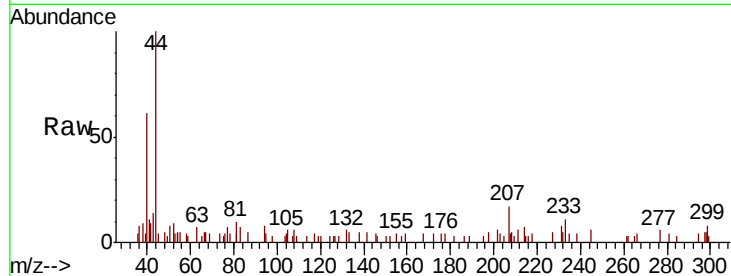




#39
Methylcyclohexane
Concen: 159.188 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.03 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

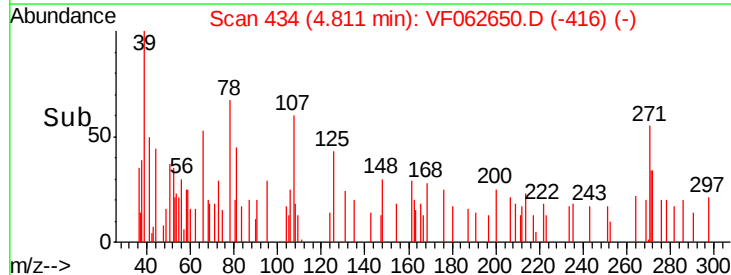
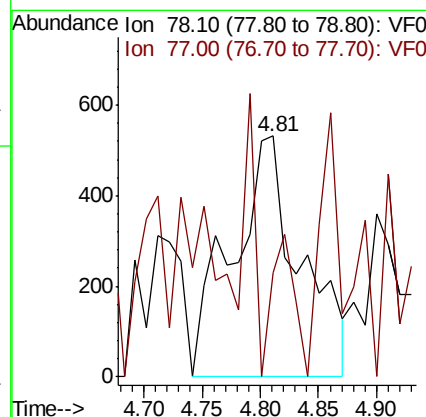
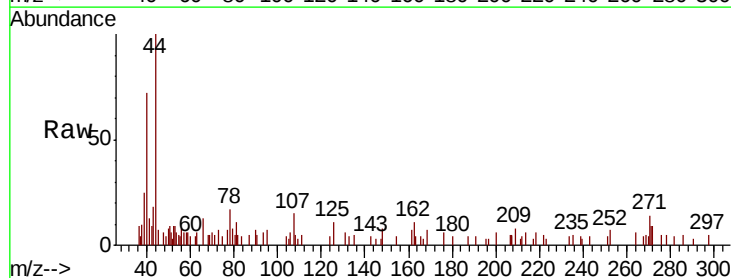
Instrument :
MSVOA_F
ClientSampled :

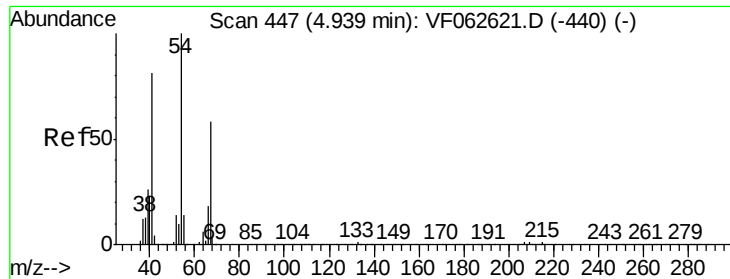
Tot Ion	83.00	Resp:	316
Ion	Ratio	Lower	Upper
83	100		
55	78.0	57.9	86.9
98	43.5	34.6	52.0



#40
Benzene
Concen: 482.825 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion	78	Resp:	2170
Ion	Ratio	Lower	Upper
78	100		
77	43.3	18.2	27.2#





#41

Methacrylonitrile

Concen: 1817.934 ug/l

RT: 4.95 min Scan# 448

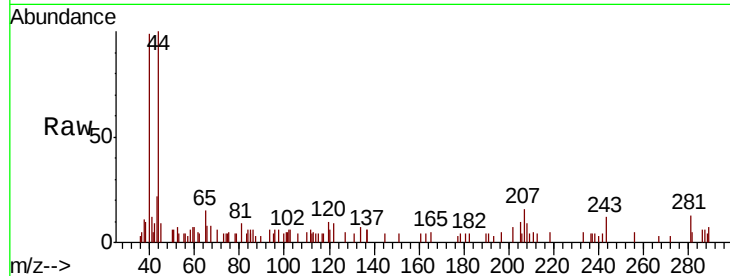
Delta R.T. 0.01 min

Lab File: VF062650.D

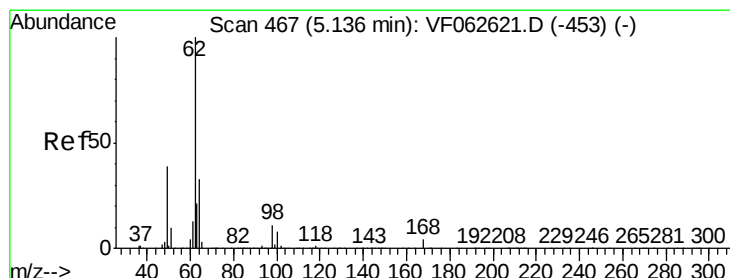
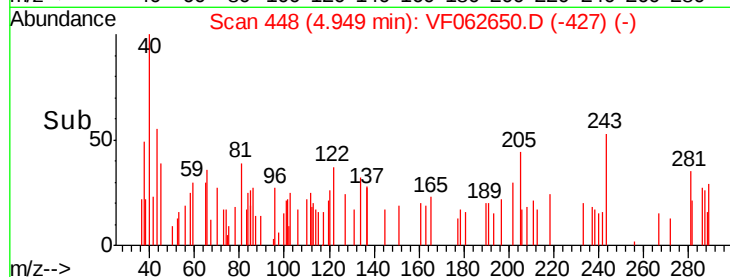
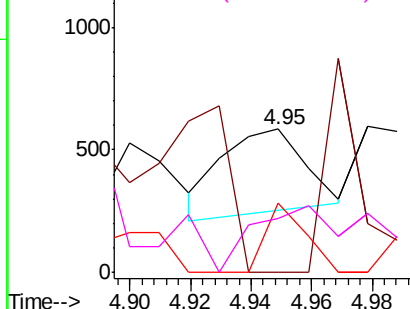
Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	642
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.2	63.2#
67	48.0	56.4	84.6#
52	37.7	38.8	58.2#



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



#42

1,2-Dichloroethane

Concen: 112.692 ug/l

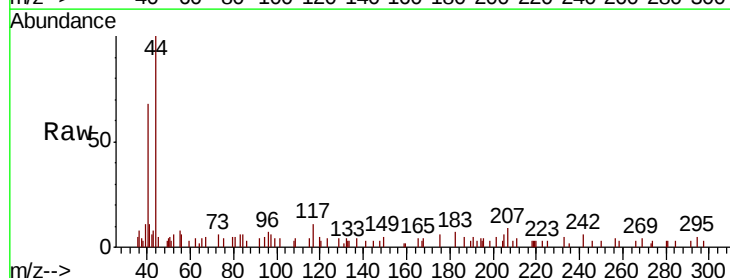
RT: 5.12 min Scan# 465

Delta R.T. -0.02 min

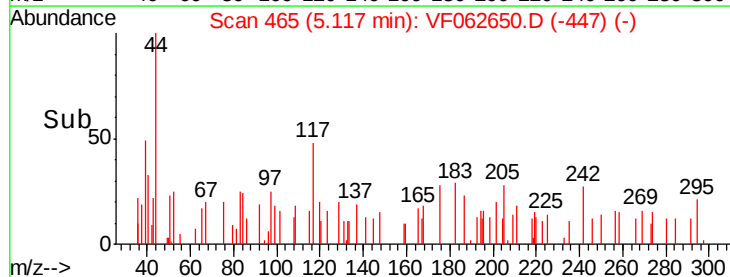
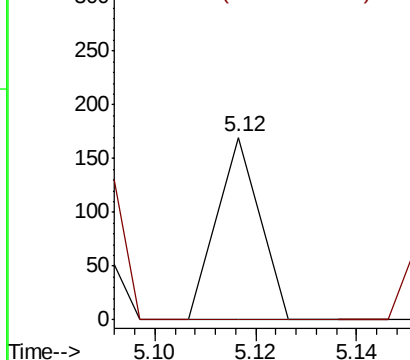
Lab File: VF062650.D

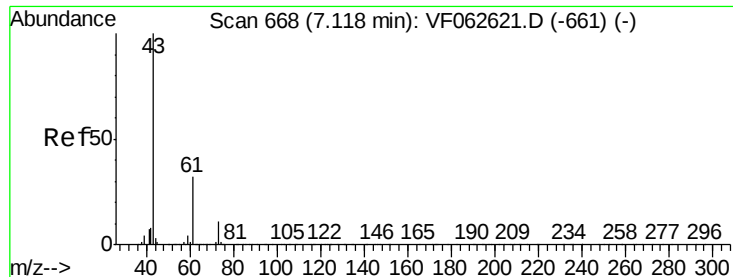
Acq: 17 May 2019 20:43

Tgt Ion:	62	Resp:	101
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



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



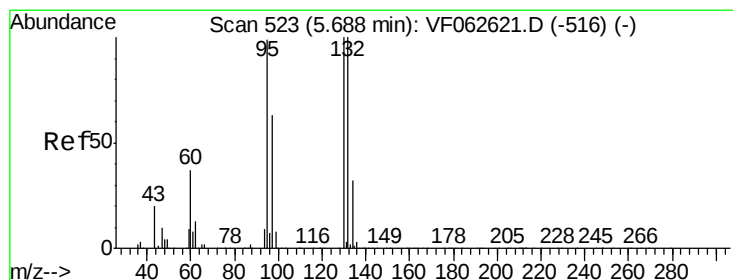
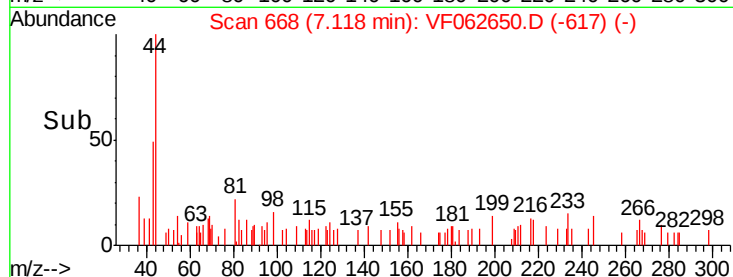
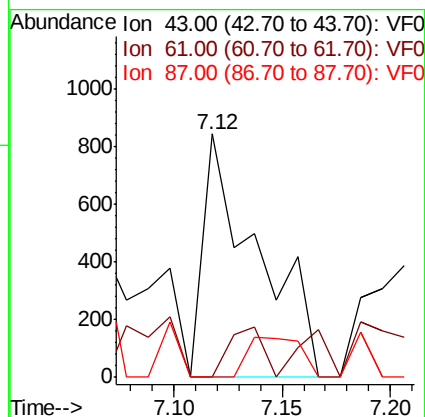
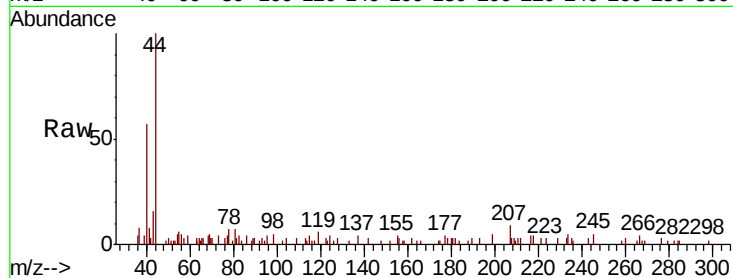


#43

Isopropyl Acetate
 Concen: 1681.048 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Instrument :
 MSVOA_F
 ClientSampleId :

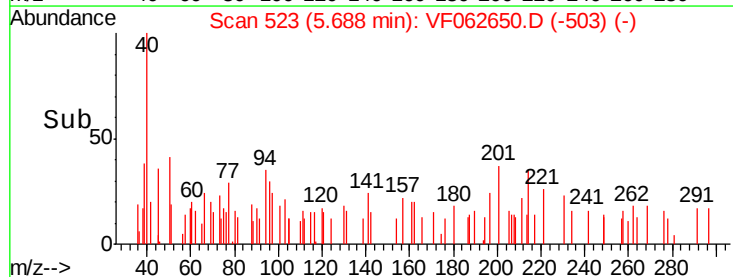
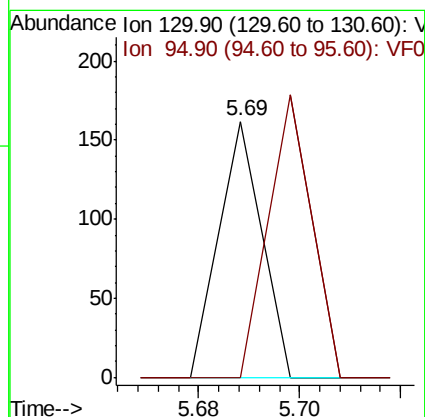
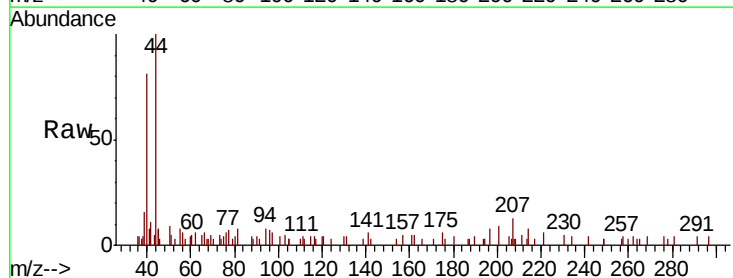
Tot Ion: 43 Resp: 1467
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.8 38.8#
 87 0.0 0.4 0.6#

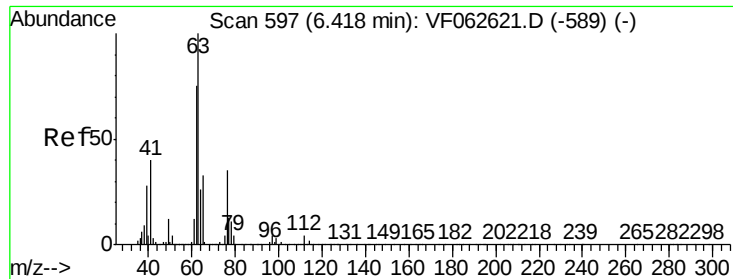


#44

Trichloroethene
 Concen: 76.000 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion: 130 Resp: 96
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 452.166 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.16 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

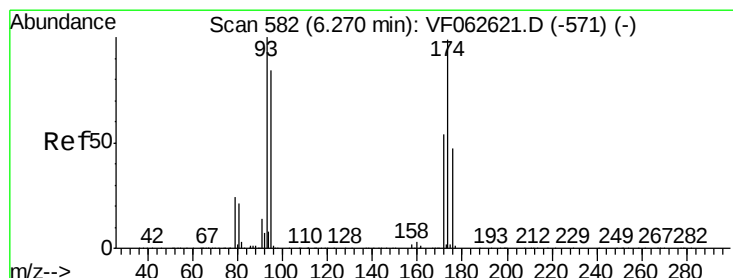
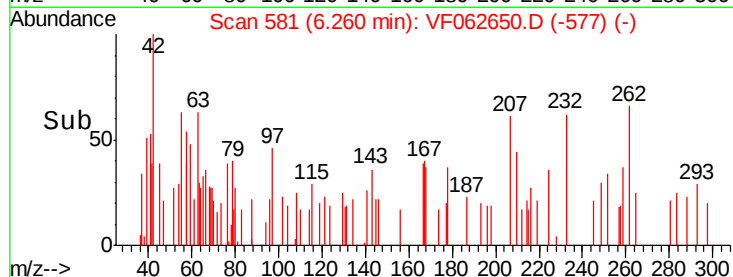
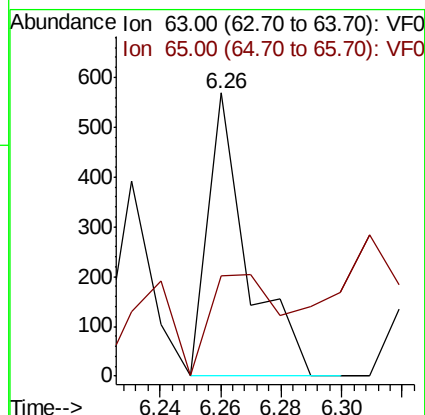
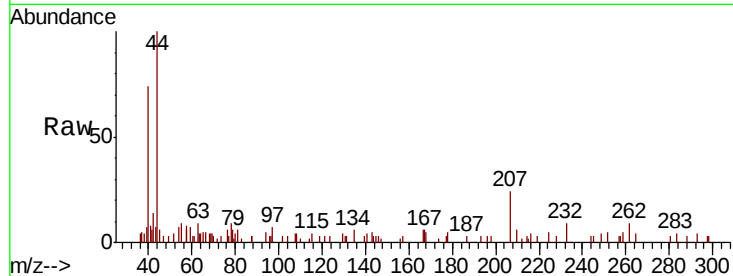
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 513

Ion Ratio Lower Upper

63 100

65 35.6 26.3 39.5



#46

Dibromomethane

Concen: 367.557 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

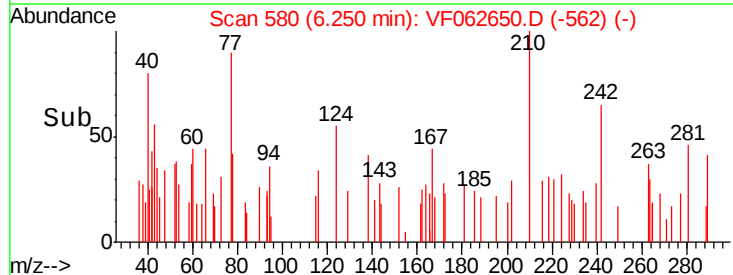
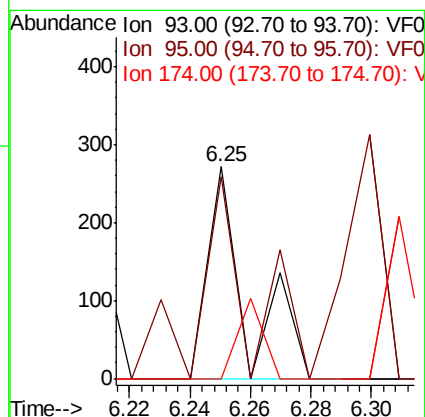
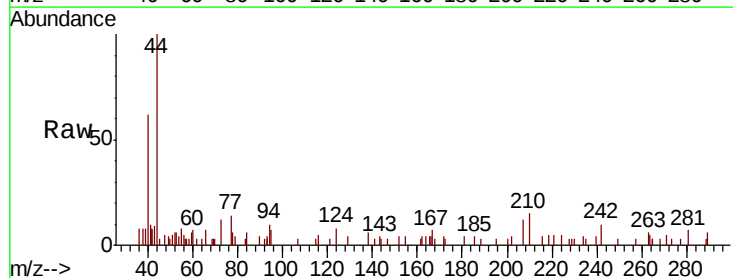
Tgt Ion: 93 Resp: 241

Ion Ratio Lower Upper

93 100

95 95.2 67.4 101.2

174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 105.789 ug/l

RT: 6.55 min Scan# 610

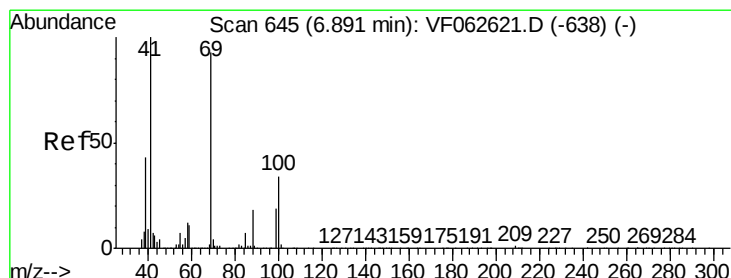
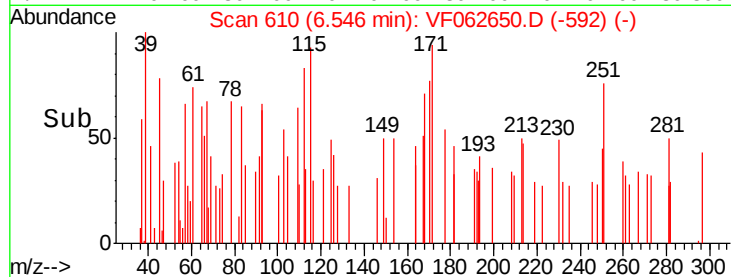
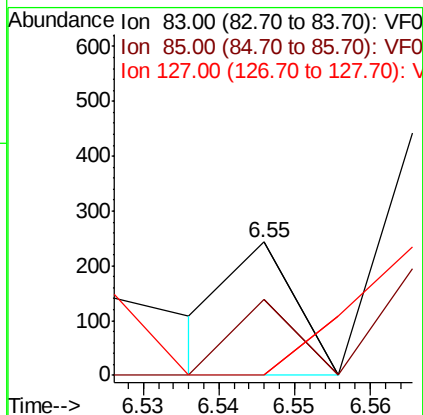
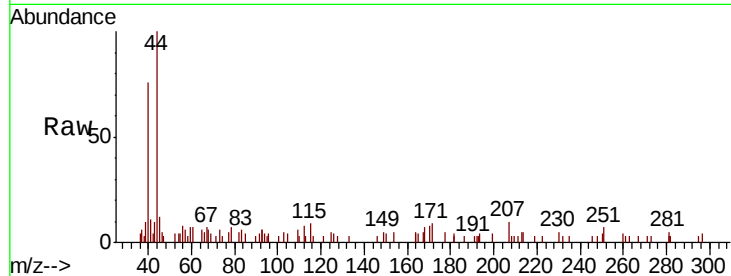
Delta R.T. -0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	83.00	Resp:	144
Ion	Ratio	Lower	Upper
83	100		
85	57.2	52.0	78.0
127	42.0	7.7	11.5#



#48

Methyl methacrylate

Concen: 1953.393 ug/l

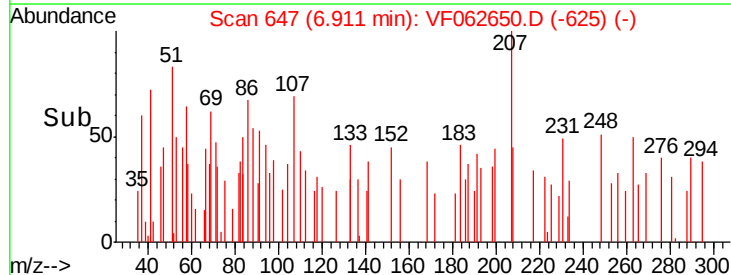
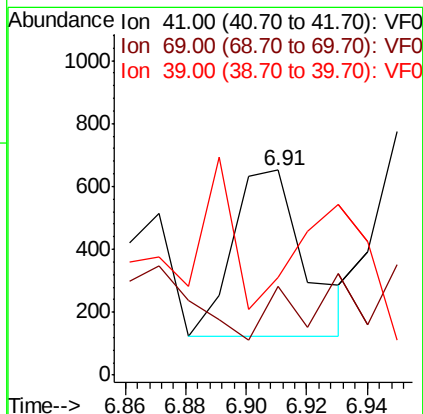
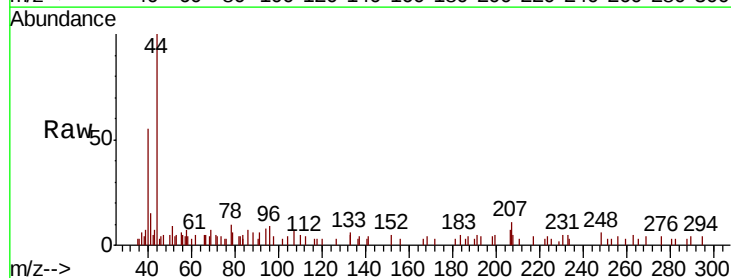
RT: 6.91 min Scan# 647

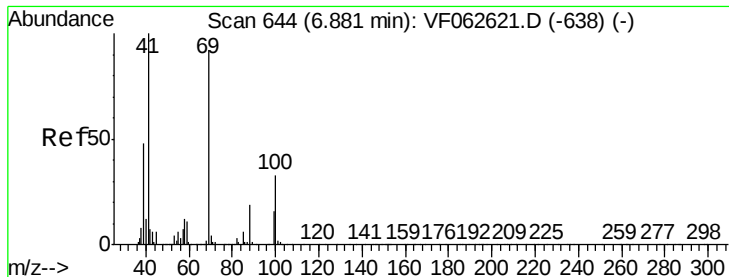
Delta R.T. 0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Tgt Ion:	41	Resp:	891
Ion	Ratio	Lower	Upper
41	100		
69	43.6	74.2	111.2#
39	47.9	34.2	51.4

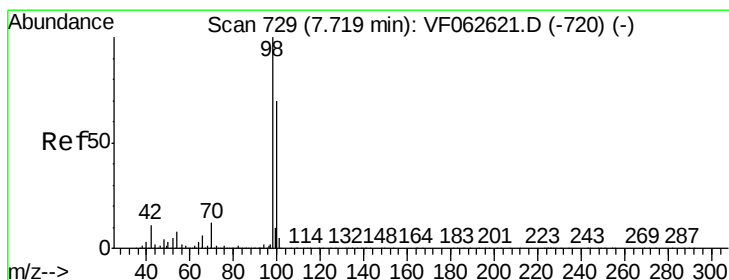
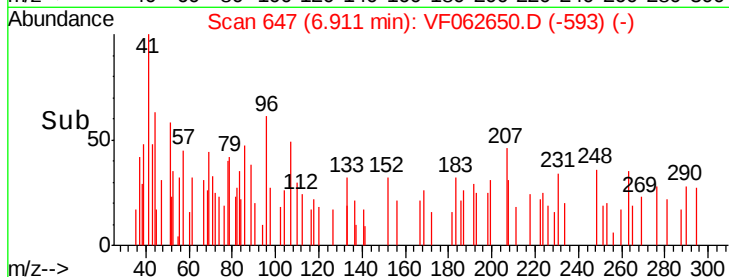
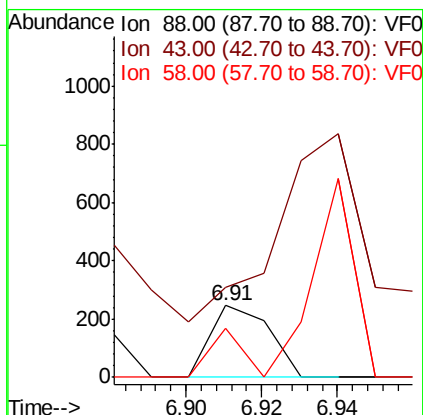
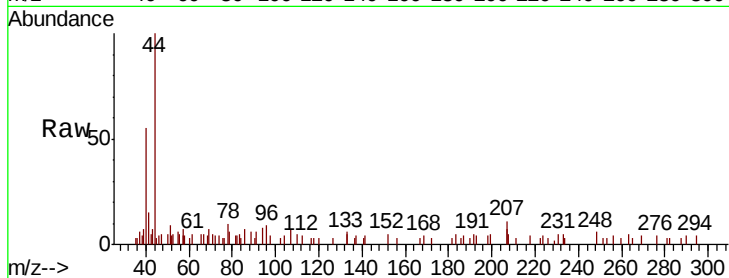




#49
1,4-Dioxane
Concen: 44675.904 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.03 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

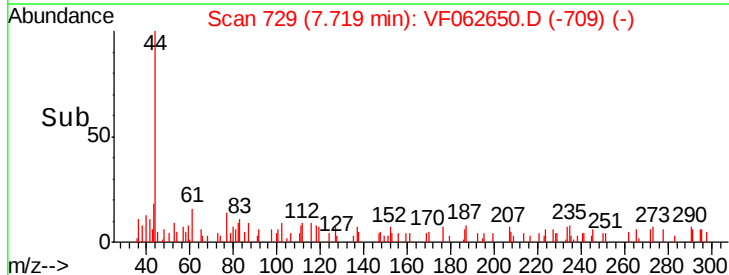
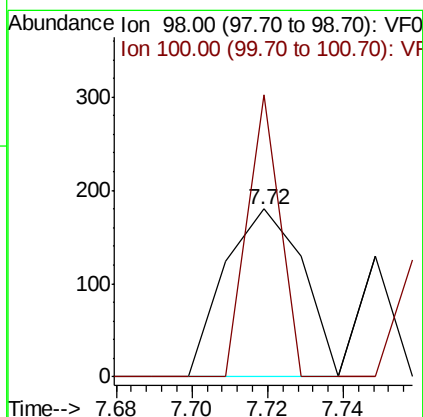
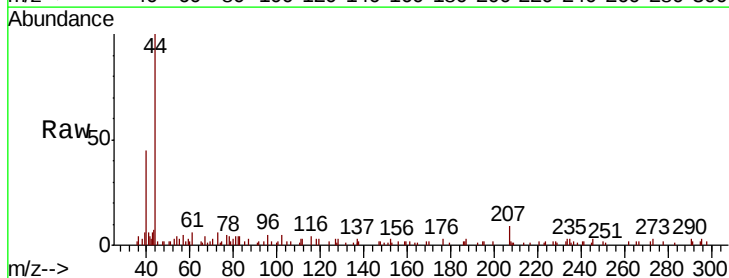
Instrument :
MSVOA_F
ClientSampleId :

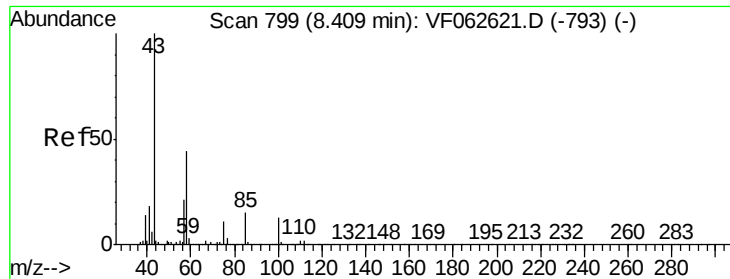
Tot Ion: 88 Resp: 261
Ion Ratio Lower Upper
88 100
43 126.0 30.0 45.0#
58 69.1 51.1 76.7



#50
Toluene-d8
Concen: 87.371 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 98 Resp: 257
Ion Ratio Lower Upper
98 100
100 168.3 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 970.657 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

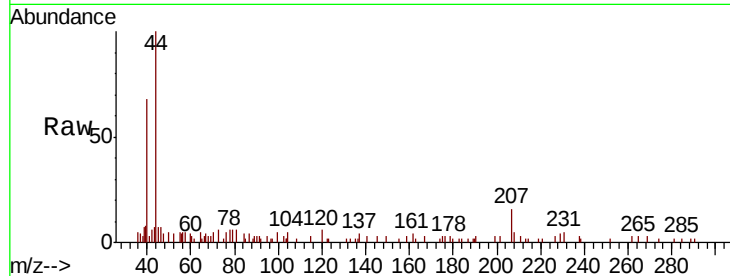
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 579

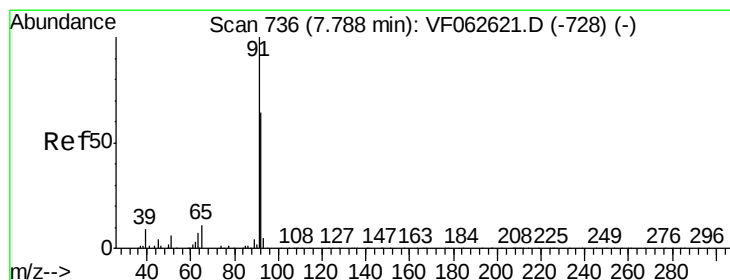
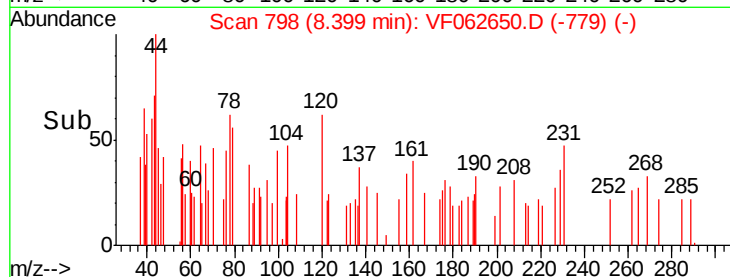
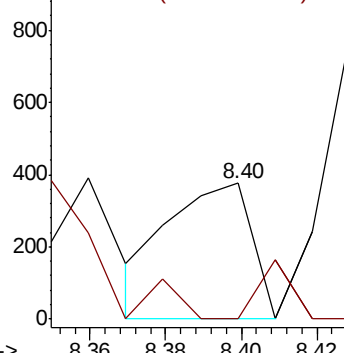
Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#



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



#52

Toluene

Concen: 84.852 ug/l

RT: 7.68 min Scan# 725

Delta R.T. -0.11 min

Lab File: VF062650.D

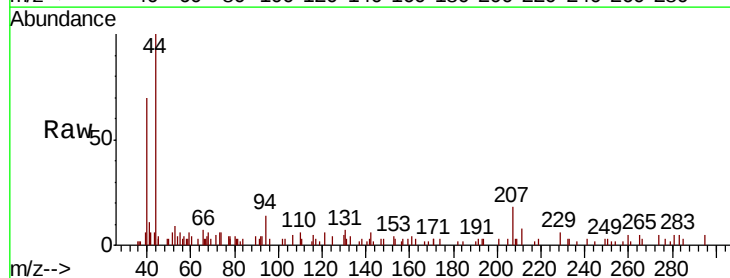
Acq: 17 May 2019 20:43

Tgt Ion: 92 Resp: 200

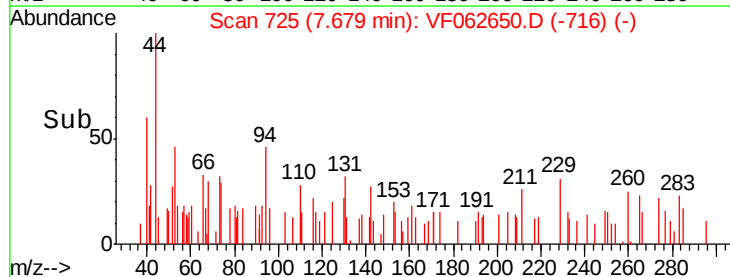
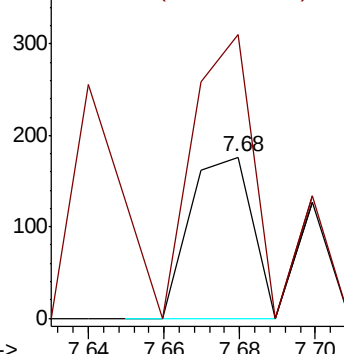
Ion Ratio Lower Upper

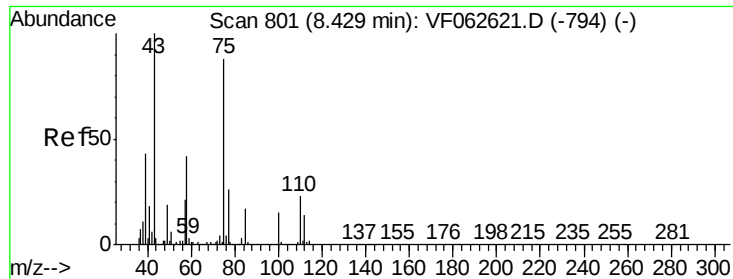
92 100

91 176.1 125.4 188.0



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





#53

t-1,3-Dichloropropene

Concen: 886.294 ug/l

RT: 8.48 min Scan# 806

Delta R.T. 0.05 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

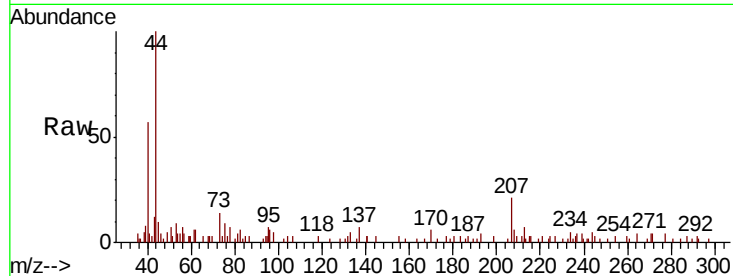
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 987

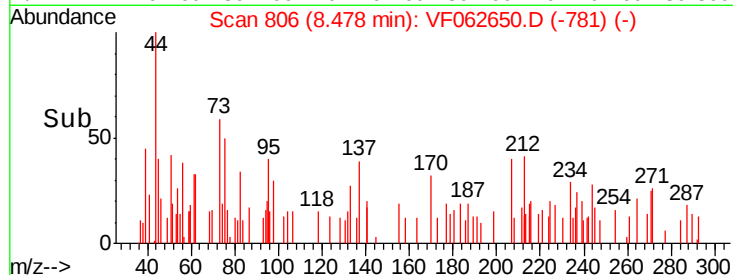
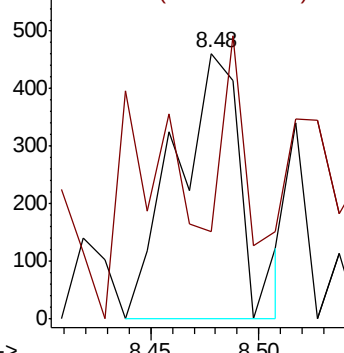
Ion Ratio Lower Upper

75 100

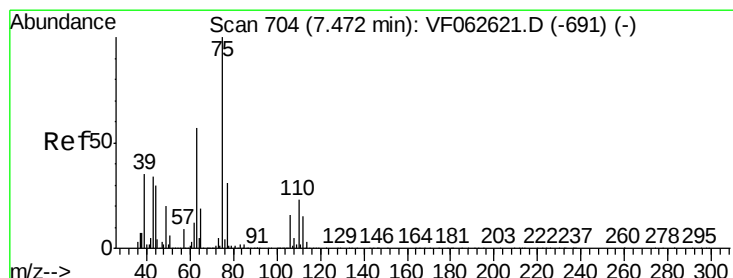
77 32.7 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 133.429 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

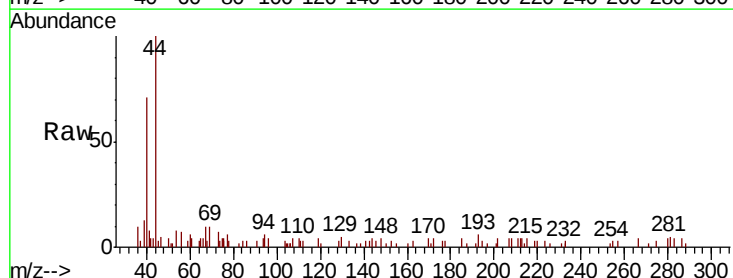
Tgt Ion: 75 Resp: 208

Ion Ratio Lower Upper

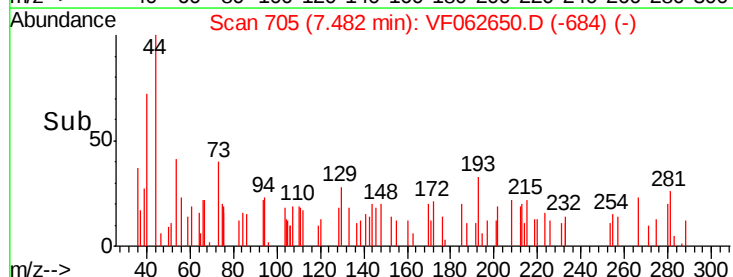
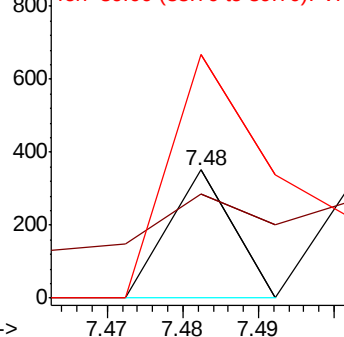
75 100

77 81.5 25.3 37.9#

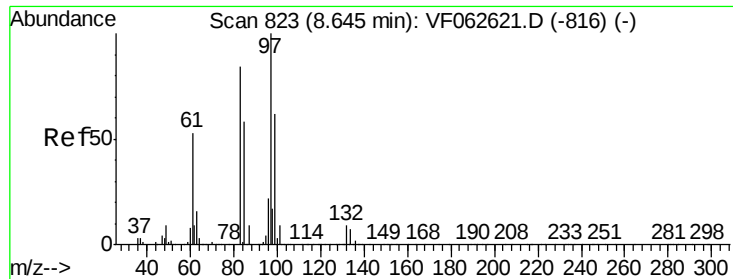
39 190.3 28.2 42.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 77.00 (76.70 to 77.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



Time-->



#55

1,1,2-Trichloroethane

Concen: 619.007 ug/l

RT: 8.65 min Scan# 823

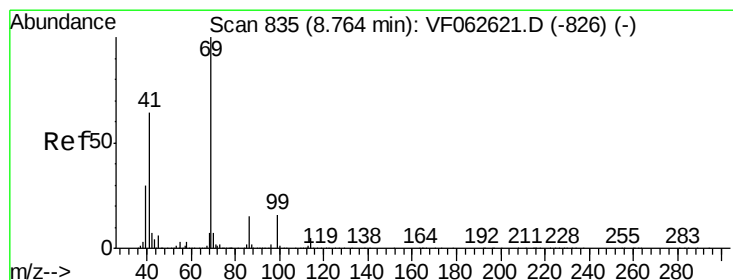
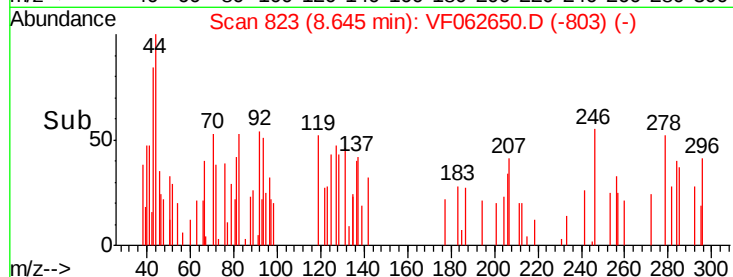
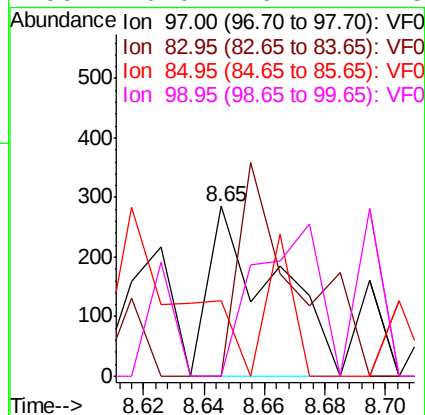
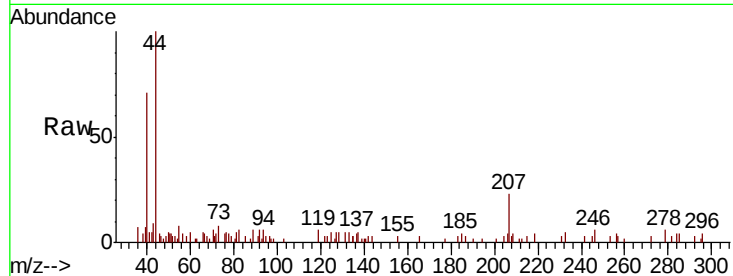
Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	432
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.3	100.9#
85	44.6	46.6	69.8#
99	0.0	49.7	74.5#



#56

Ethyl methacrylate

Concen: 364.423 ug/l

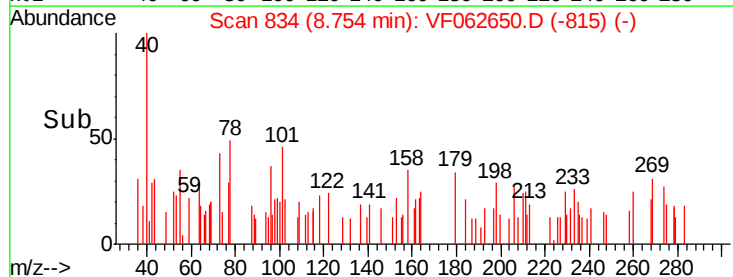
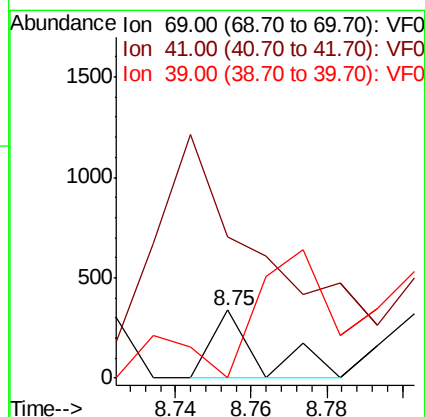
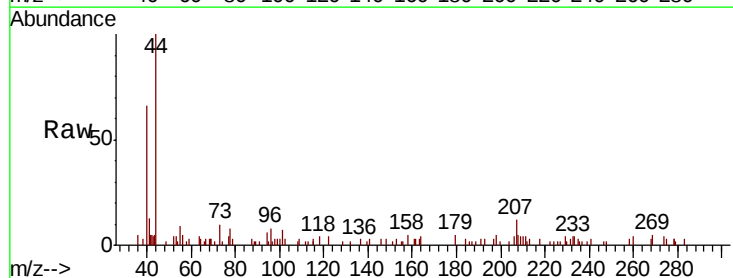
RT: 8.75 min Scan# 834

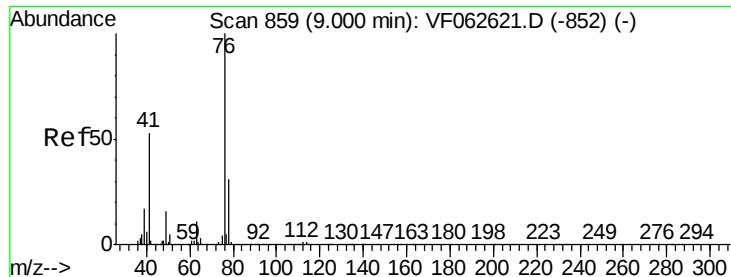
Delta R.T. -0.01 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Tgt Ion:	69	Resp:	303
Ion	Ratio	Lower	Upper
69	100		
41	208.6	51.4	77.2#
39	0.0	23.6	35.4#

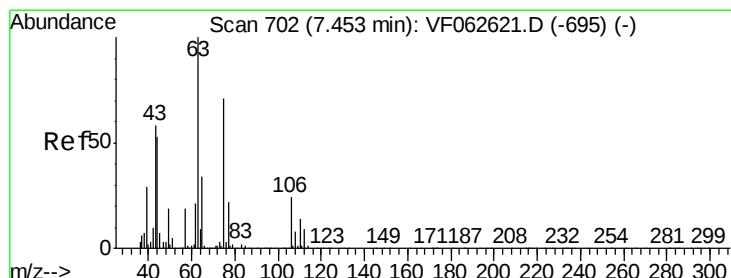
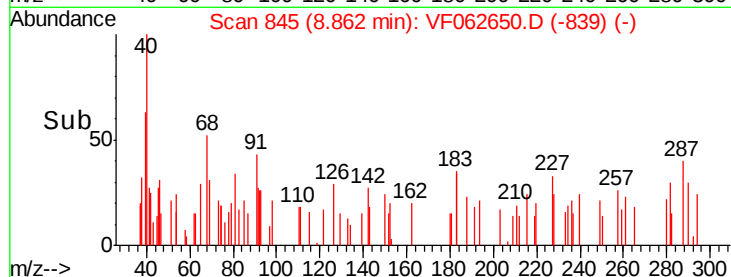
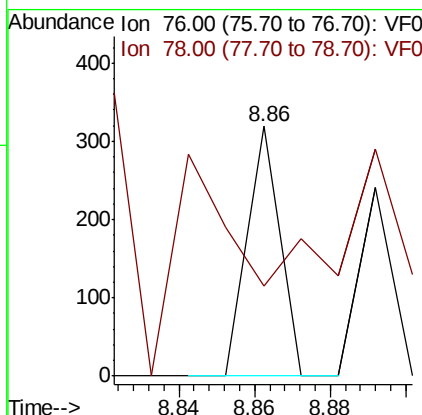
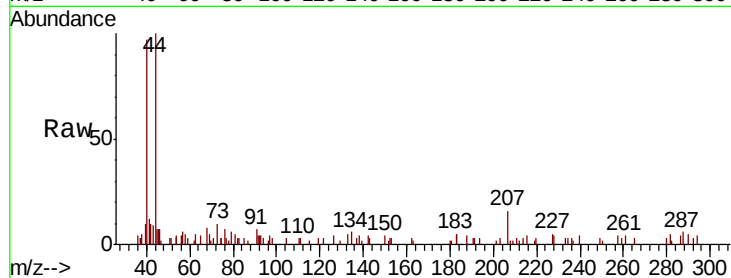




#57
 1,3-Dichloropropane
 Concen: 158.995 ug/l
 RT: 8.86 min Scan# 845
 Delta R.T. -0.14 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

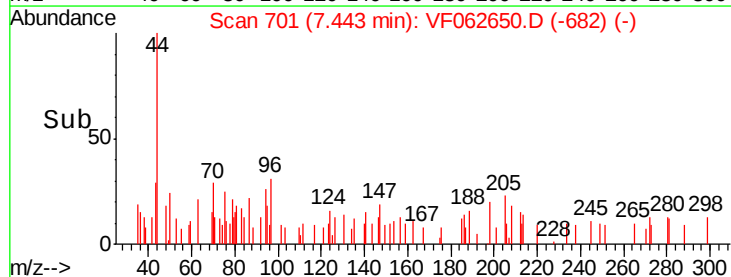
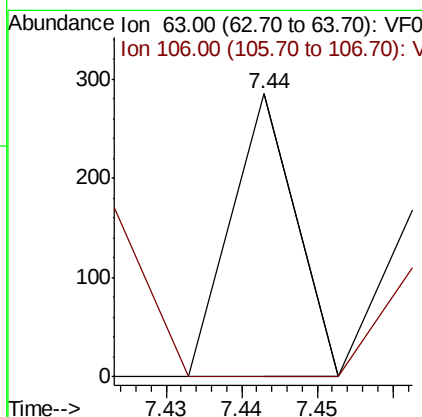
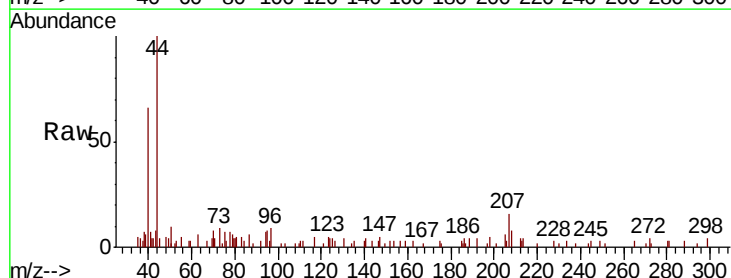
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 76 Resp: 189
 Ion Ratio Lower Upper
 76 100
 78 36.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 624.451 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion: 63 Resp: 169
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.1 28.7#

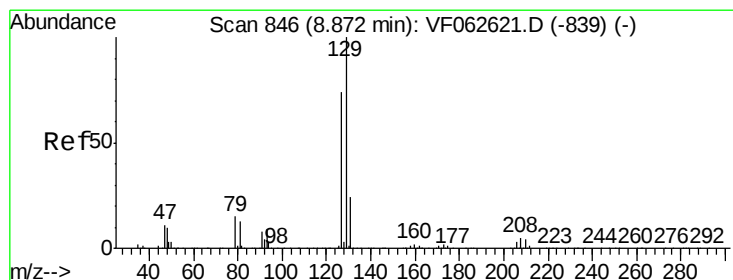
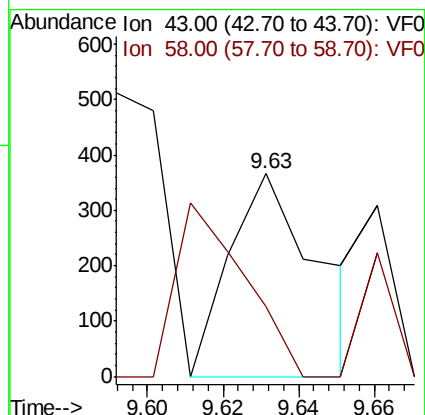
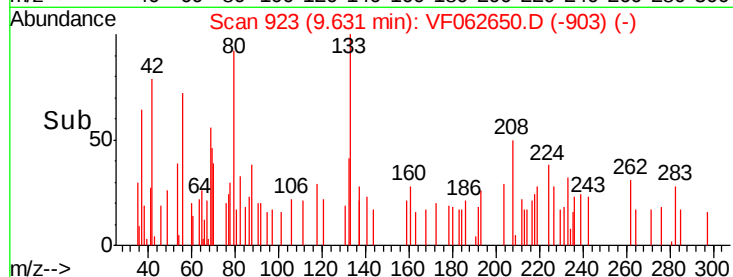
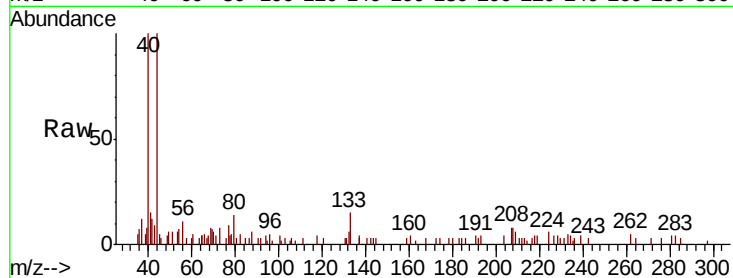




#59
2-Hexanone
Concen: 1617.783 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

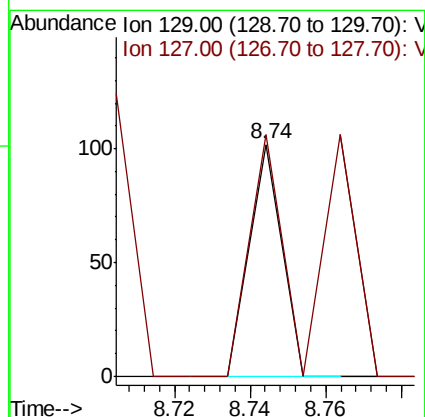
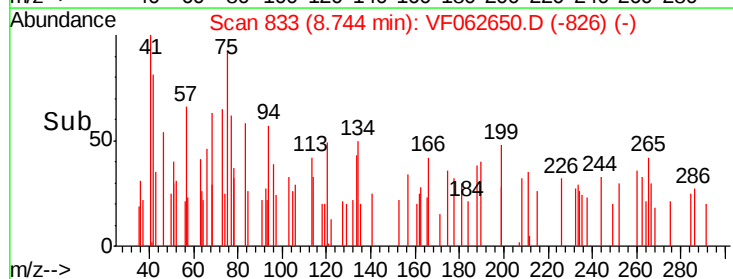
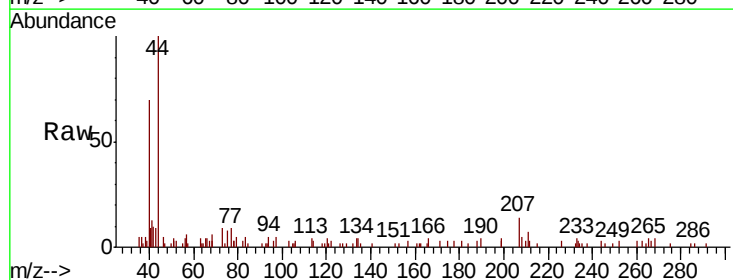
Instrument :
MSVOA_F
ClientSampled :

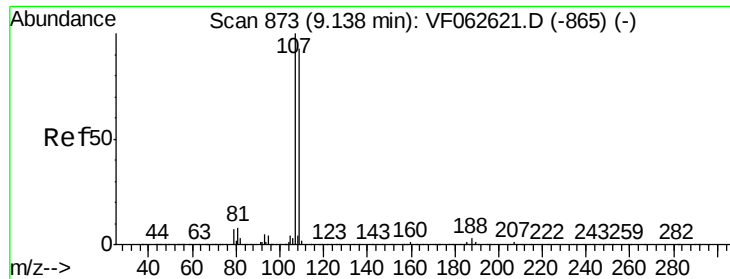
Tot Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
58 34.4 28.1 84.4



#60
Dibromochloromethane
Concen: 65.965 ug/l
RT: 8.74 min Scan# 833
Delta R.T. -0.13 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 129 Resp: 60
Ion Ratio Lower Upper
129 100
127 103.9 37.2 111.6

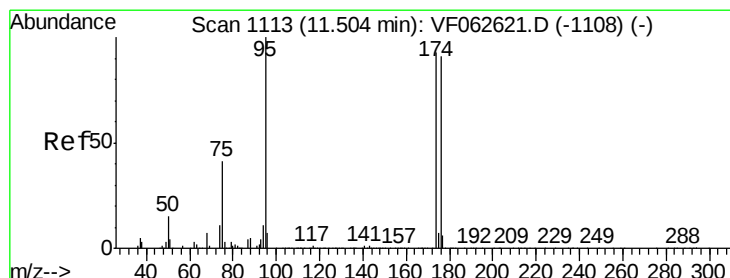
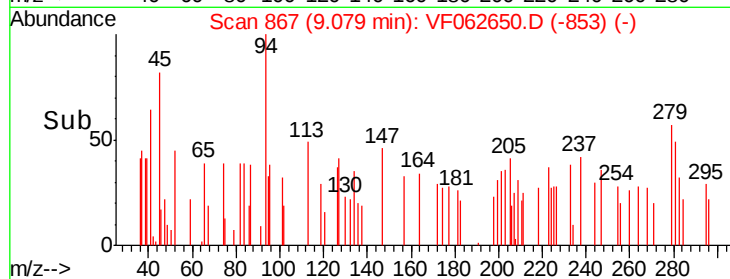
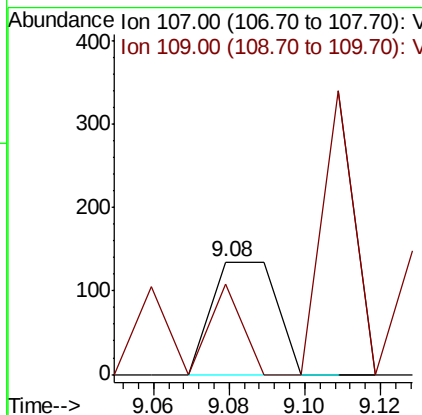
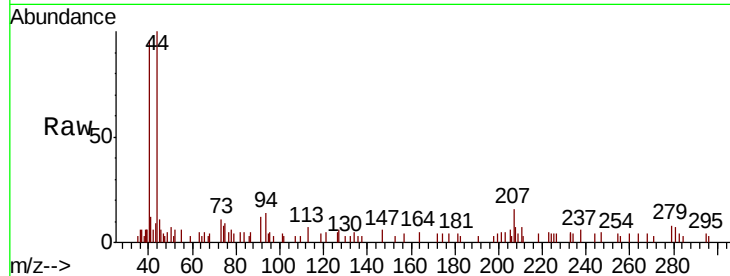




#61
 1,2-Dibromoethane
 Concen: 214.498 ug/l
 RT: 9.08 min Scan# 867
 Delta R.T. -0.06 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

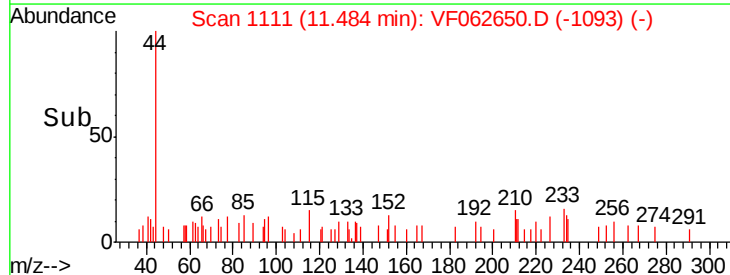
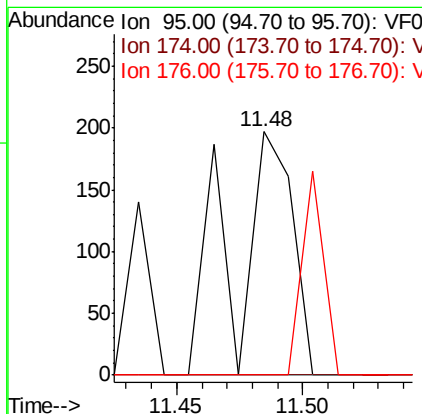
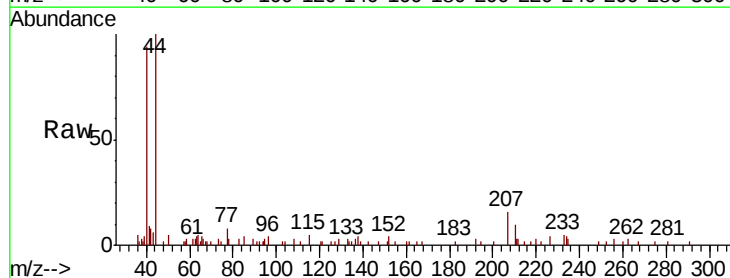
Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 107 Resp: 159
 Ion Ratio Lower Upper
 107 100
 109 80.7 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 288.630 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion: 95 Resp: 322
 Ion Ratio Lower Upper
 95 100
 174 0.0 0.0 185.6
 176 0.0 0.0 182.4

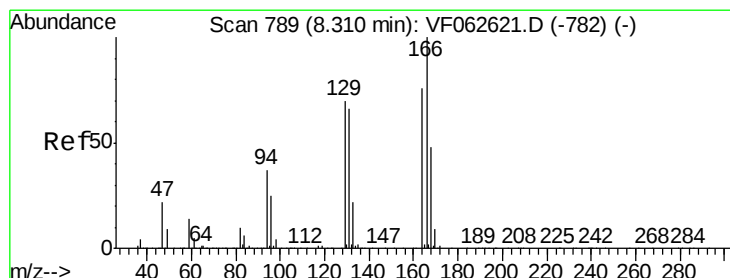
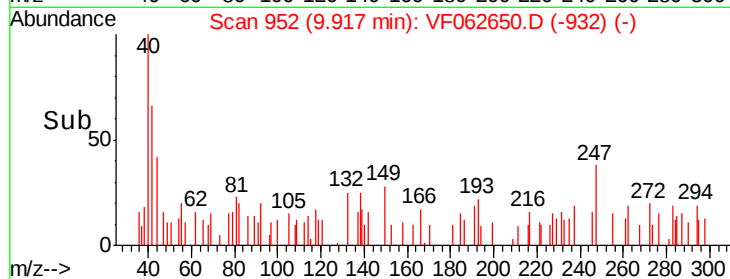
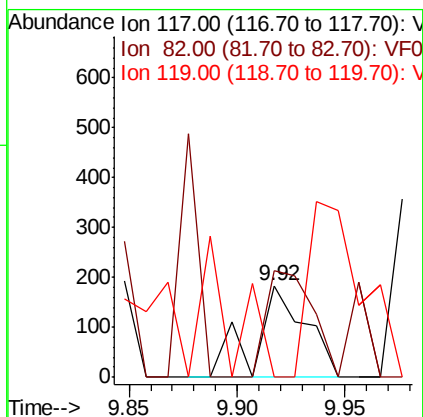
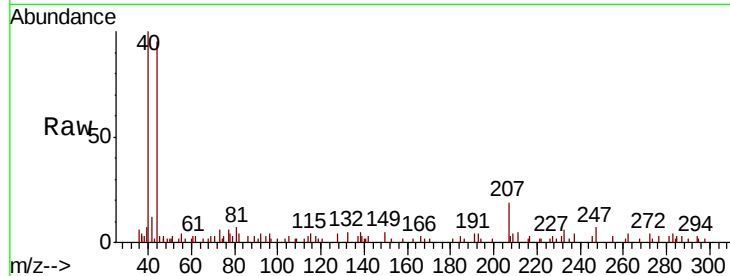




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

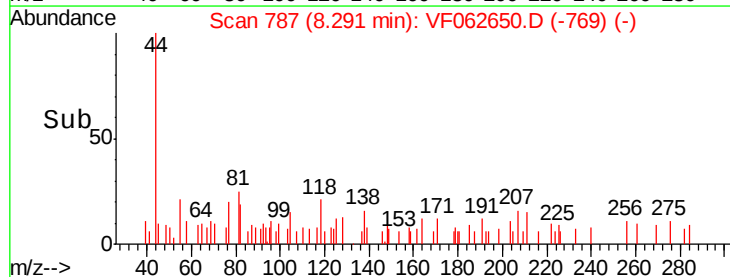
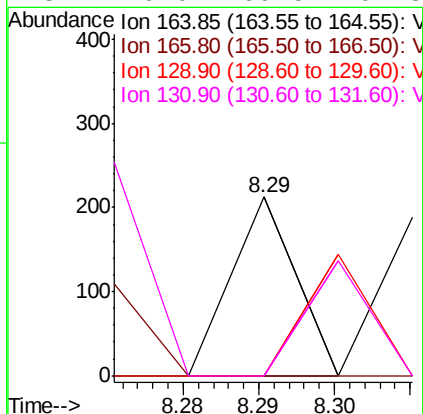
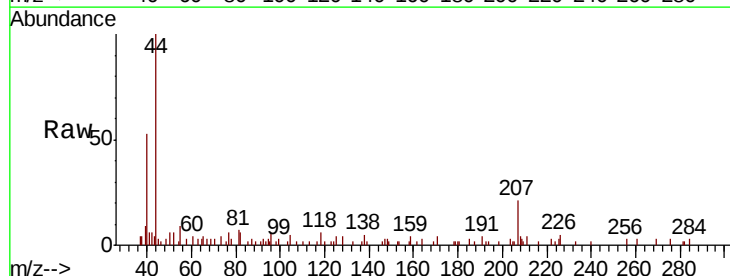
Instrument :
MSVOA_F
ClientSampleId :

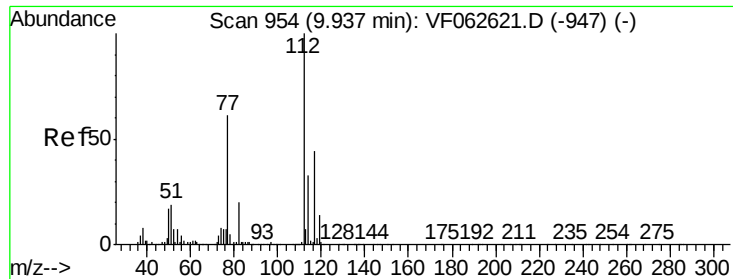
Tot Ion	Ratio	Lower	Upper
117	100		
82	116.9	43.3	64.9#
119	0.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 52.420 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.5	158.3#
129	0.0	73.8	110.6#
131	0.0	69.5	104.3#

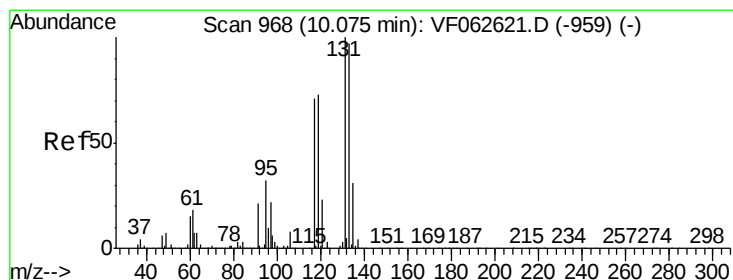
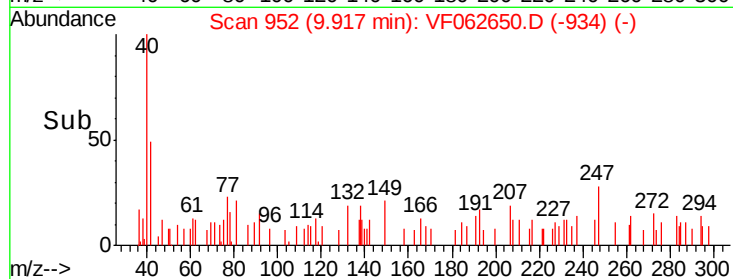
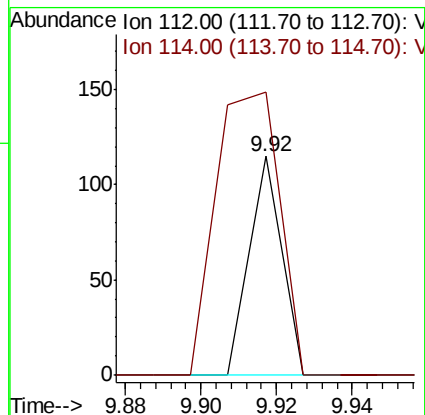
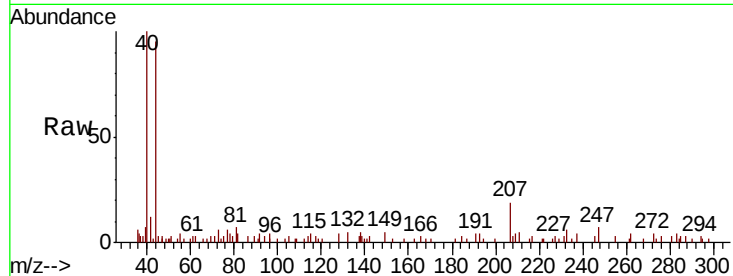




#65
Chlorobenzene
Concen: 11.502 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

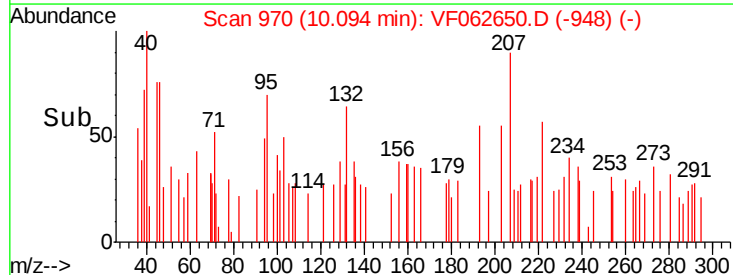
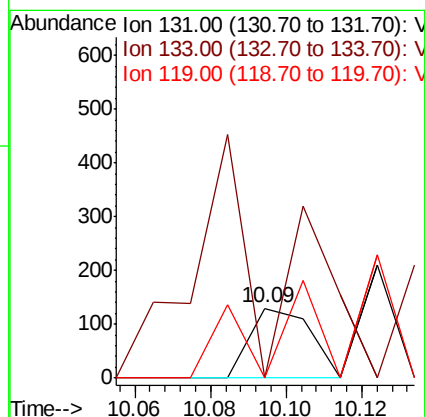
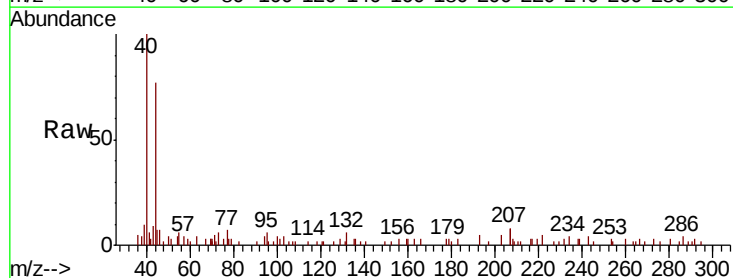
Instrument :
MSVOA_F
ClientSampleId :

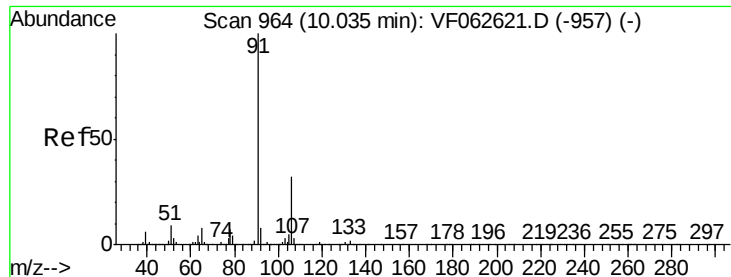
Tot Ion:112 Resp: 68
Ion Ratio Lower Upper
112 100
114 129.6 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 59.410 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion:131 Resp: 141
Ion Ratio Lower Upper
131 100
133 0.0 48.5 145.5#
119 0.0 36.8 110.4#

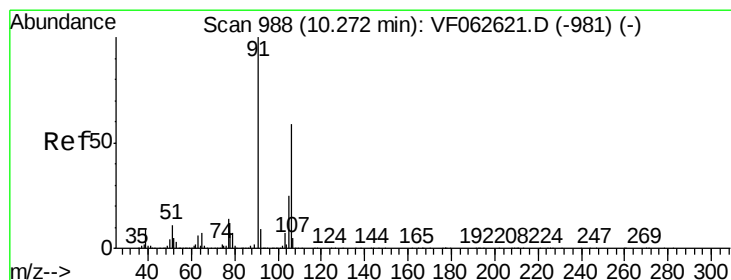
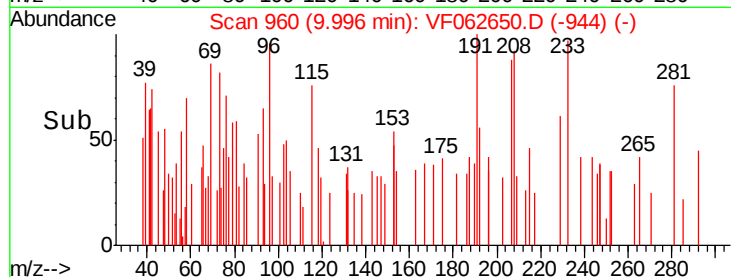
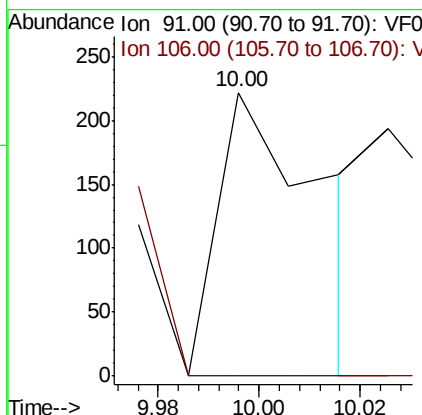
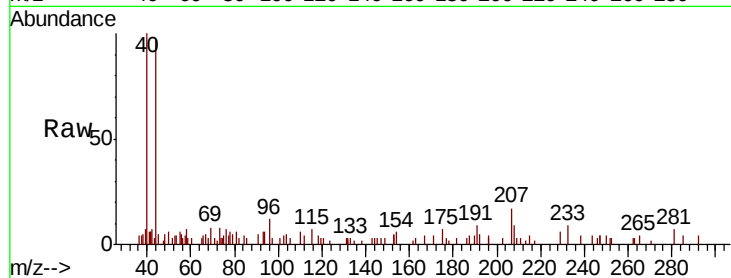




#67
Ethyl Benzene
Concen: 30.476 ug/l
RT: 10.00 min Scan# 960
Delta R.T. -0.04 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

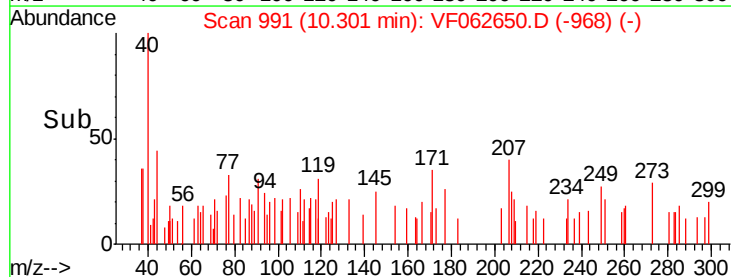
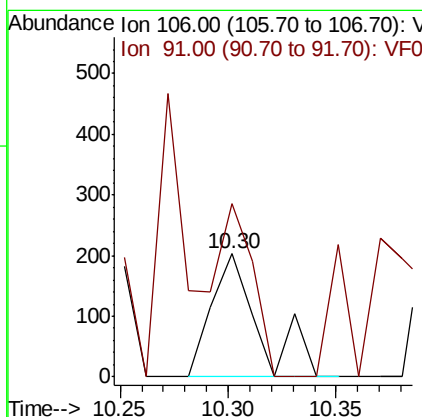
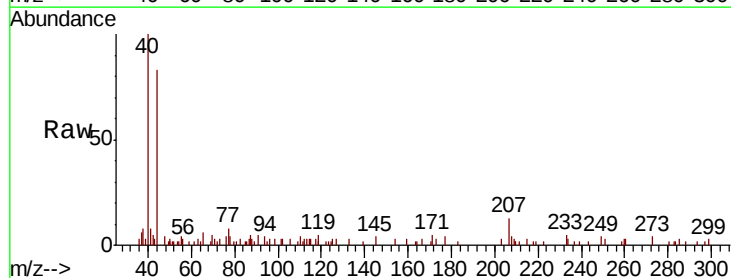
Instrument :
MSVOA_F
ClientSampleId :

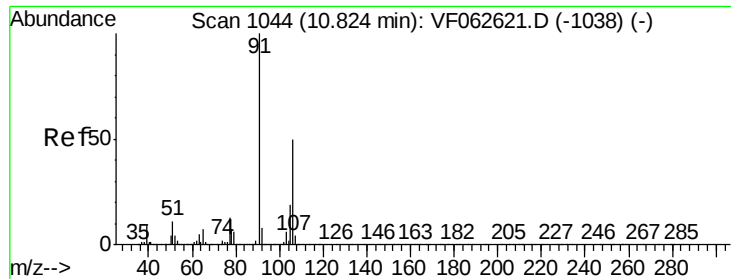
Tot Ion: 91 Resp: 313
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#



#68
m/p-Xylenes
Concen: 80.051 ug/l
RT: 10.30 min Scan# 991
Delta R.T. 0.03 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion: 106 Resp: 309
Ion Ratio Lower Upper
106 100
91 140.4 136.9 205.3

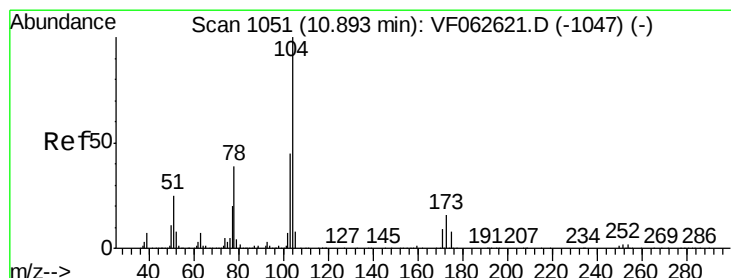
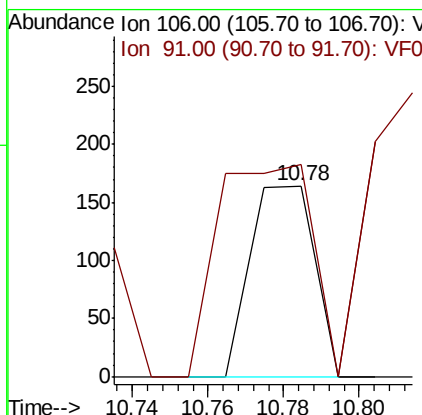
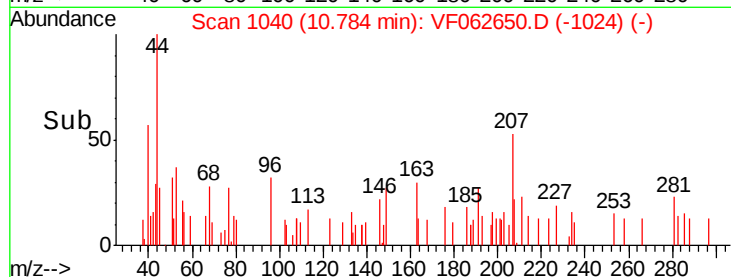
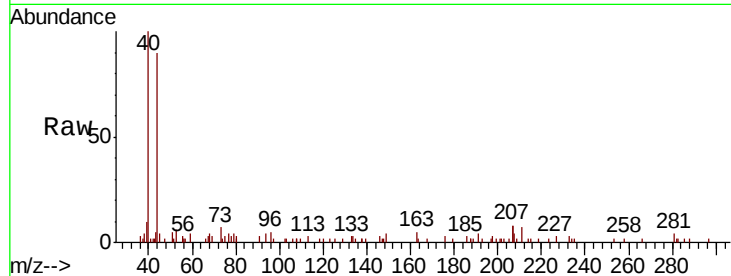




#69
o-Xylene
Concen: 48.543 ug/l
RT: 10.78 min Scan# 1040
Delta R.T. -0.04 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

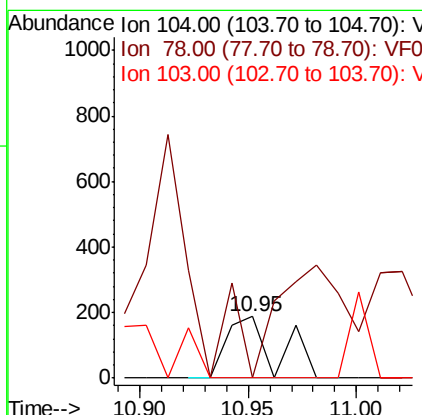
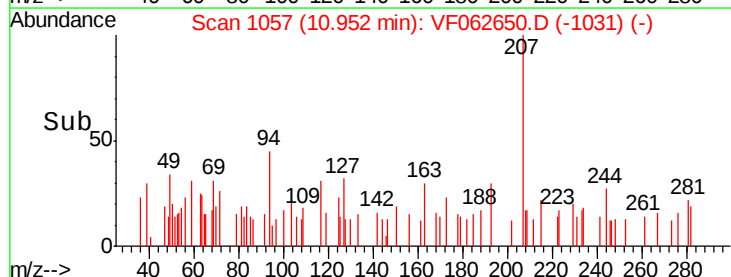
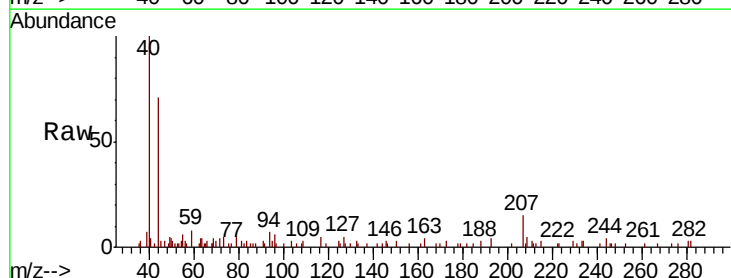
Instrument :
MSVOA_F
ClientSampleId :

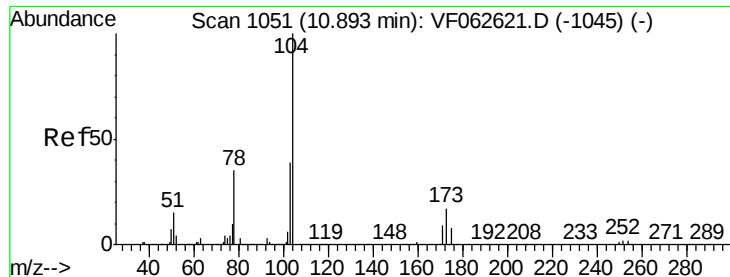
Tot Ion:106 Resp: 193
Ion Ratio Lower Upper
106 100
91 111.6 100.2 300.5



#70
Styrene
Concen: 49.975 ug/l
RT: 10.95 min Scan# 1057
Delta R.T. 0.06 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion:104 Resp: 302
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 273.419 ug/l

RT: 10.95 min Scan# 1057

Delta R.T. 0.06 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampled :

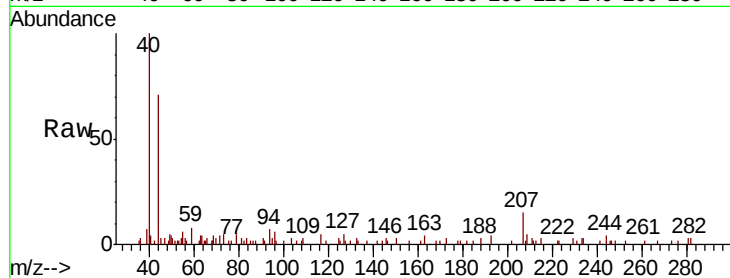
Tot Ion:173 Resp: 325

Ion Ratio Lower Upper

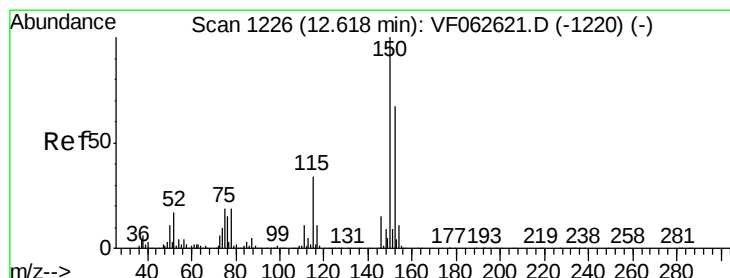
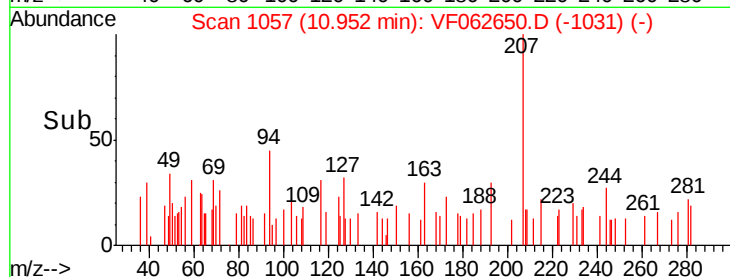
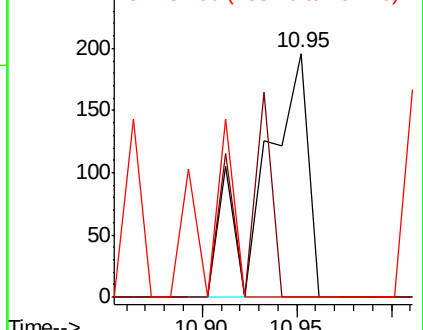
173 100

175 0.0 25.3 75.9#

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

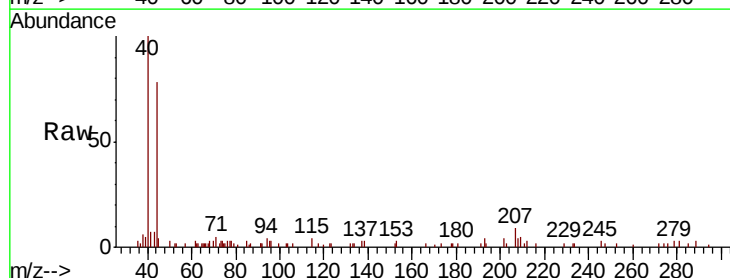
Tgt Ion:152 Resp: 124

Ion Ratio Lower Upper

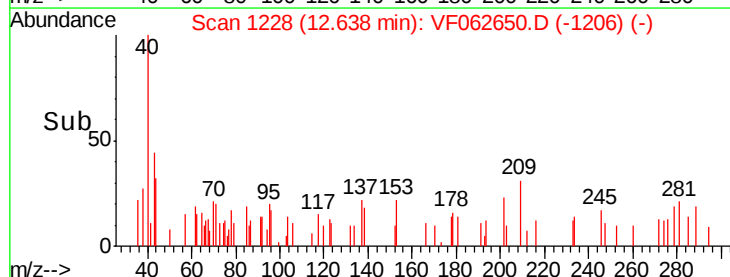
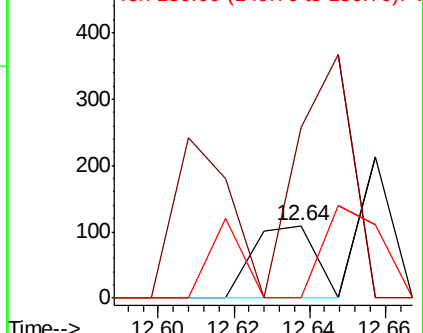
152 100

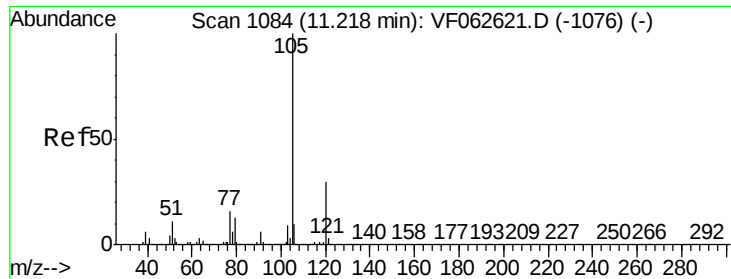
115 236.7 25.2 75.6#

150 0.0 0.0 306.2



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





#73

Isopropylbenzene

Concen: 21.942 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.03 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

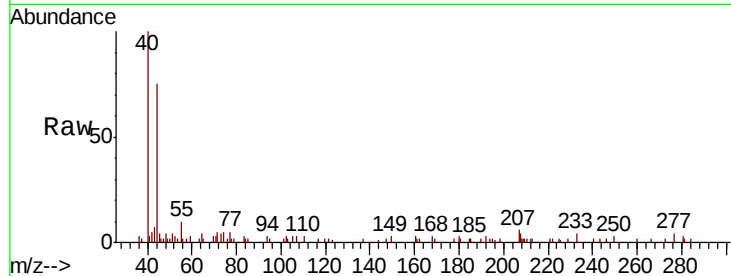
ClientSampleId :

Tot Ion:105 Resp: 195

Ion Ratio Lower Upper

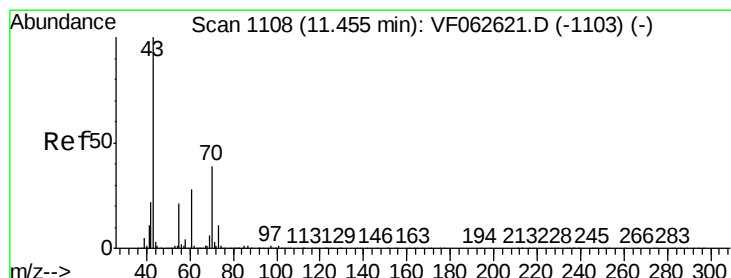
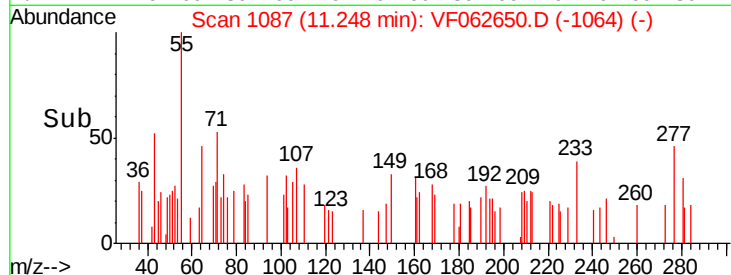
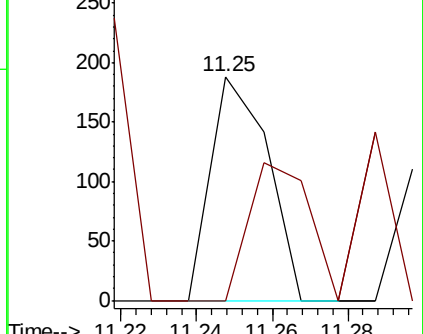
105 100

120 0.0 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 151.099 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Tgt Ion: 43 Resp: 317

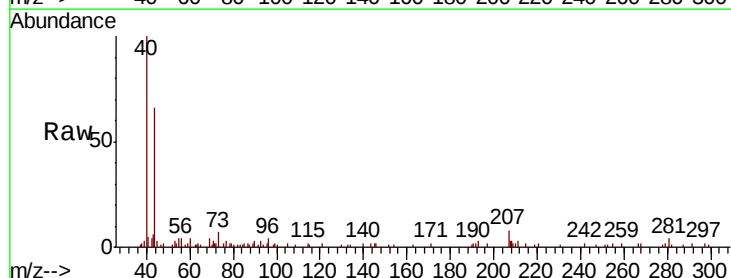
Ion Ratio Lower Upper

43 100

70 69.6 30.9 46.3#

55 63.4 17.0 25.4#

61 0.0 22.6 34.0#

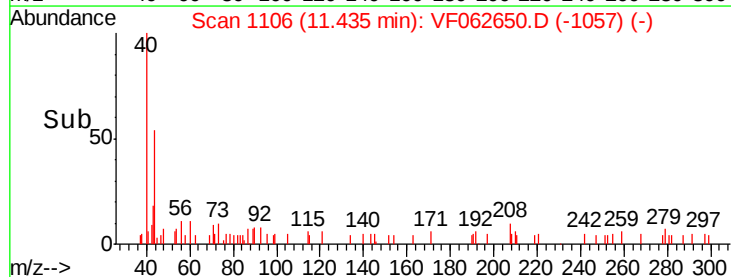
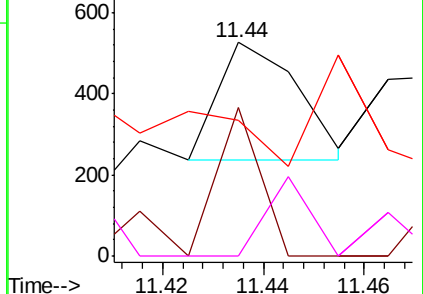


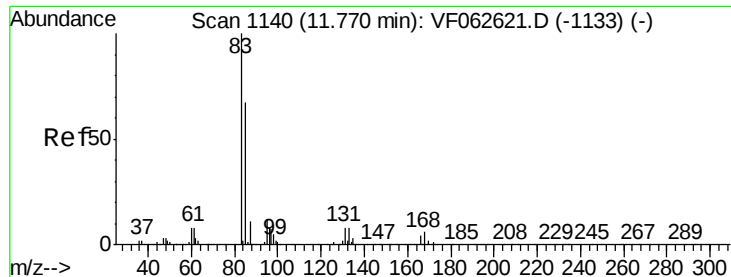
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 140.951 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampleId :

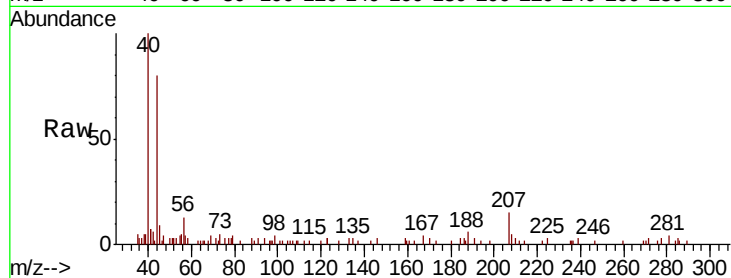
Tot Ion: 83 Resp: 256

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

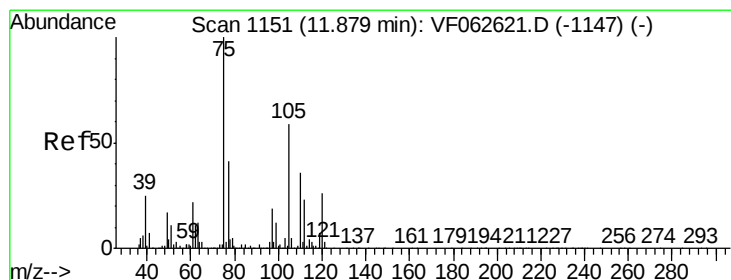
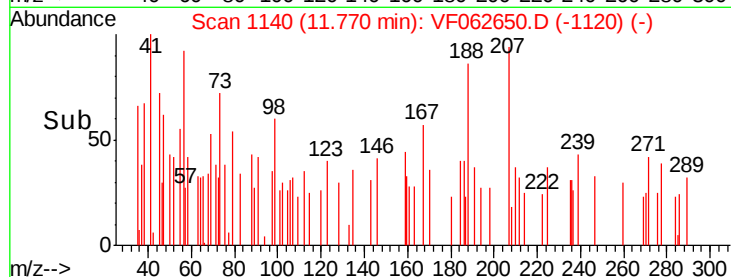
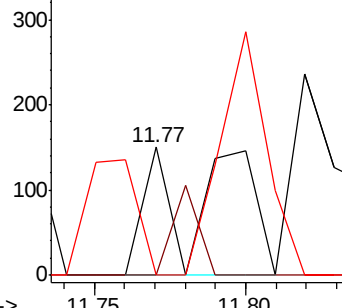
85 0.0 33.5 100.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 406.408 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.12 min

Lab File: VF062650.D

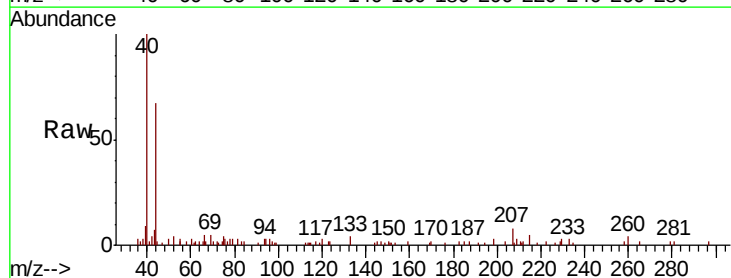
Acq: 17 May 2019 20:43

Tgt Ion: 75 Resp: 485

Ion Ratio Lower Upper

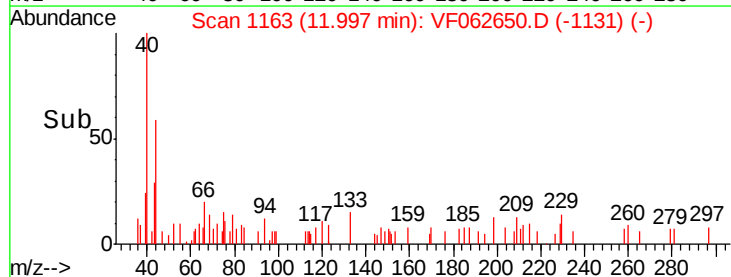
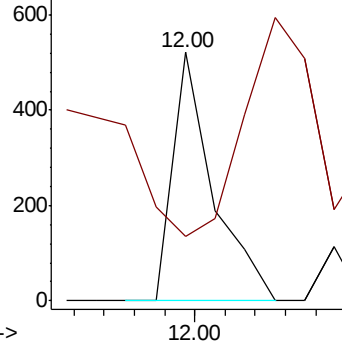
75 100

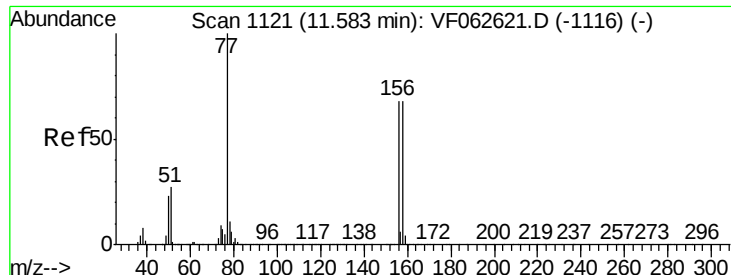
77 26.1 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 32.592 ug/l

RT: 11.55 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampled :

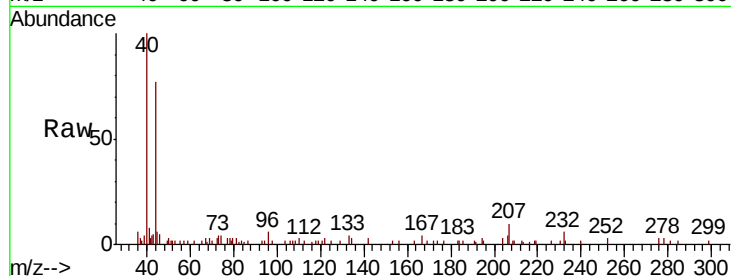
Tot Ion:156 Resp: 72

Ion Ratio Lower Upper

156 100

77 156.2 73.6 220.8

158 0.0 49.6 148.8#



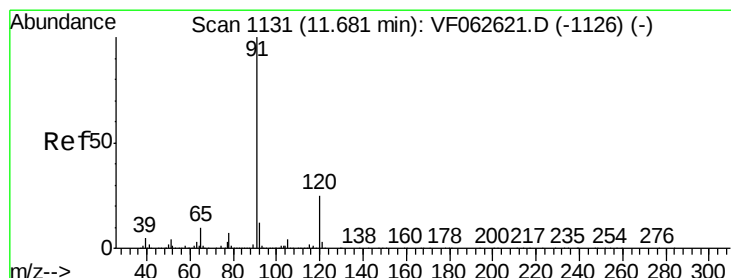
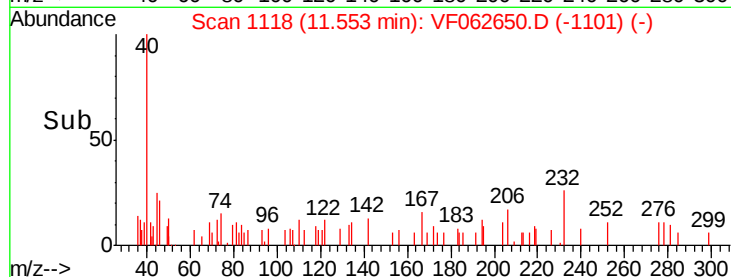
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

11.55

Time-->



#78

n-propylbenzene

Concen: 5.705 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF062650.D

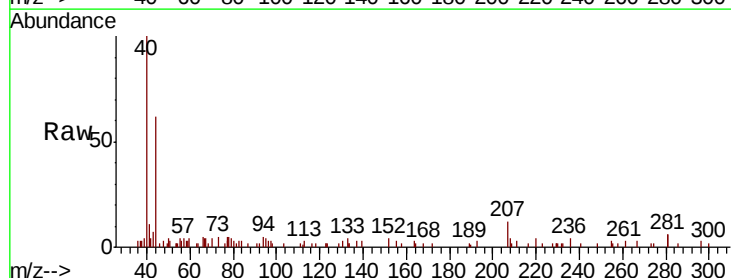
Acq: 17 May 2019 20:43

Tgt Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

120 0.0 12.7 38.1#

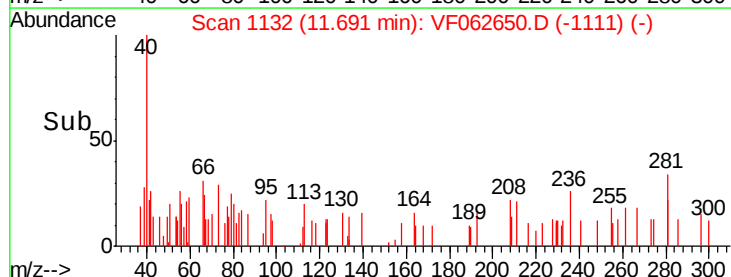


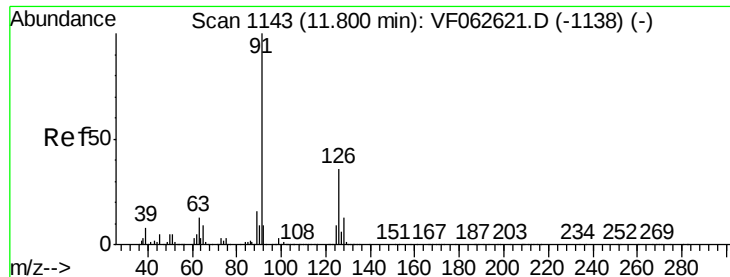
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.69

Time-->





#79

2-Chlorotoluene

Concen: 55.167 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

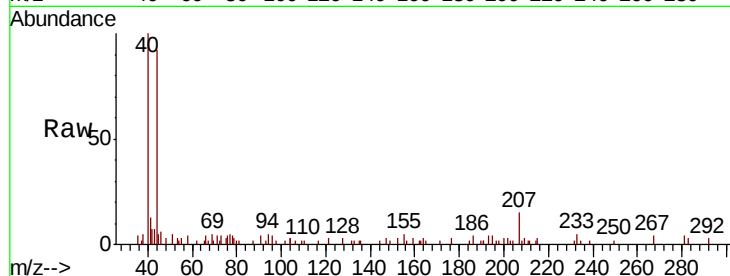
ClientSampleId :

Tot Ion: 91 Resp: 327

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.78

250

200

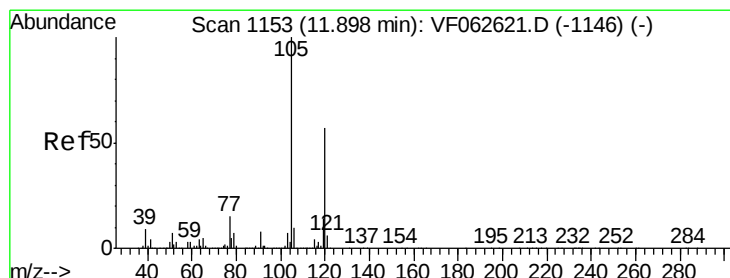
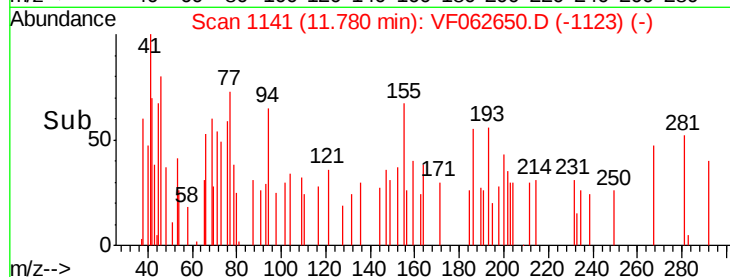
150

100

50

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 73.391 ug/l

RT: 12.04 min Scan# 1167

Delta R.T. 0.14 min

Lab File: VF062650.D

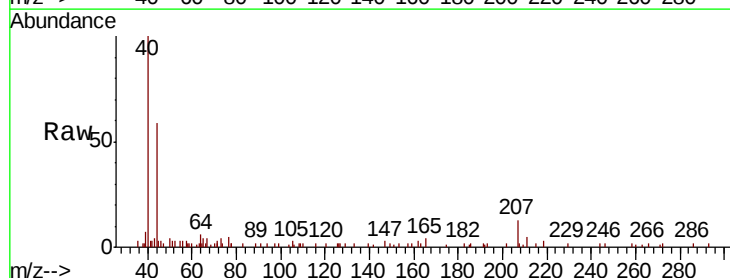
Acq: 17 May 2019 20:43

Tgt Ion:105 Resp: 523

Ion Ratio Lower Upper

105 100

120 57.7 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.04

250

200

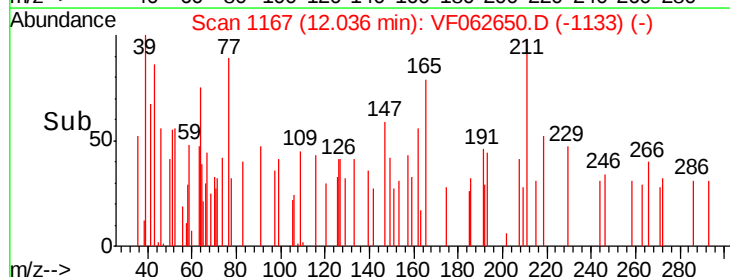
150

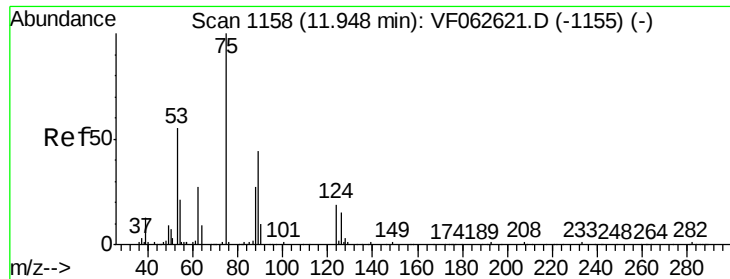
100

50

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 412.844 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampleId :

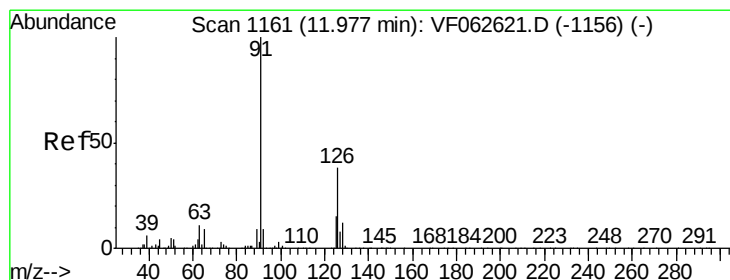
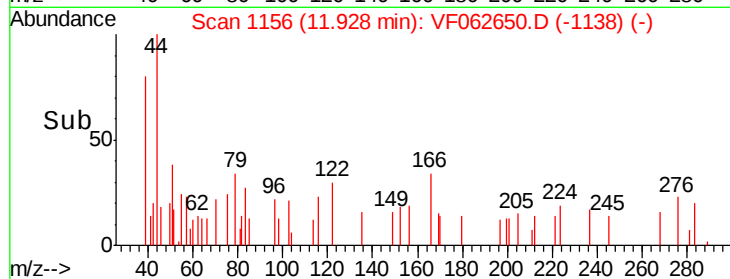
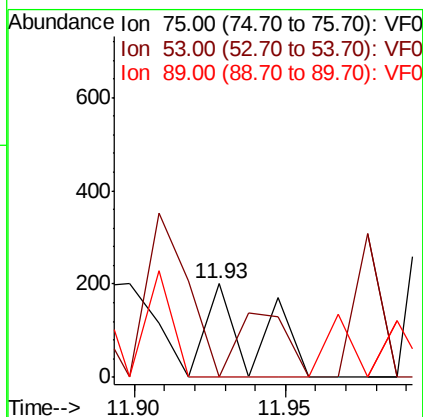
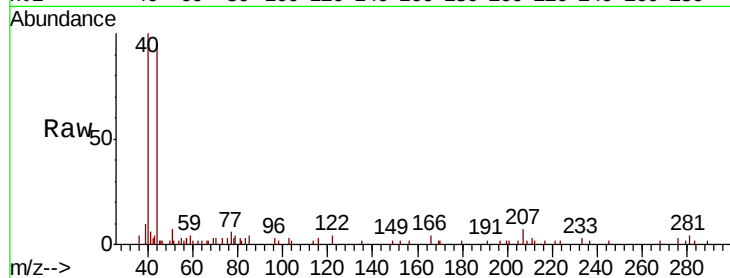
Tot Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 76.301 ug/l

RT: 12.11 min Scan# 1174

Delta R.T. 0.13 min

Lab File: VF062650.D

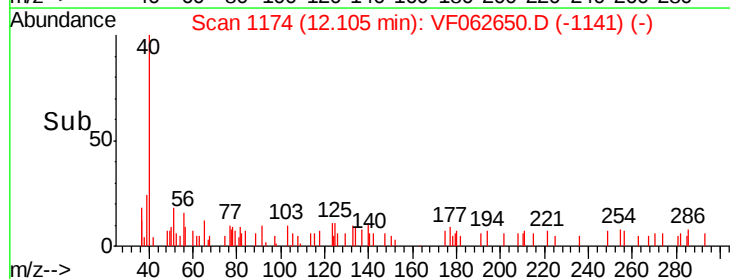
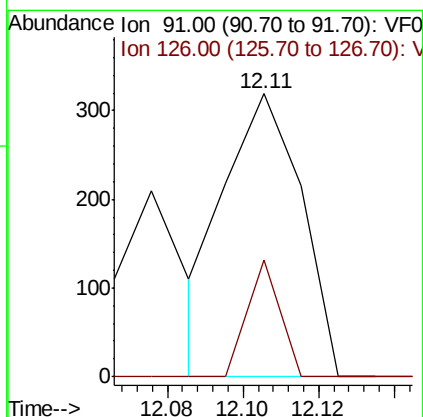
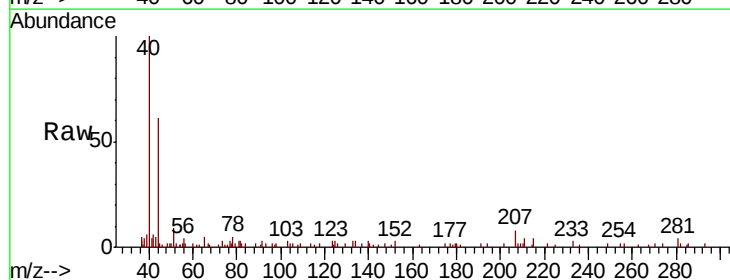
Acq: 17 May 2019 20:43

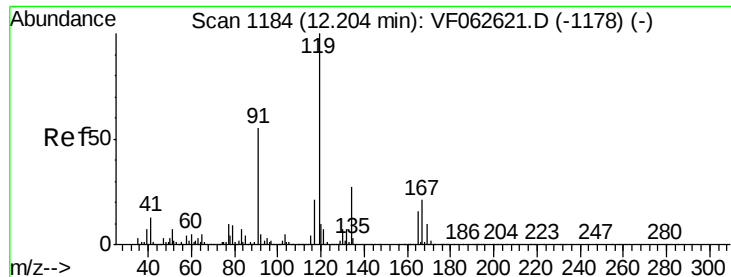
Tgt Ion: 91 Resp: 446

Ion Ratio Lower Upper

91 100

126 41.1 19.1 57.1

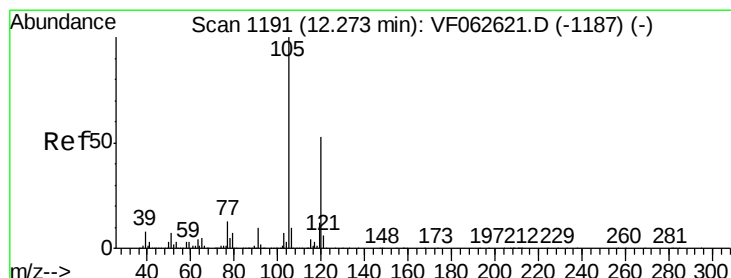
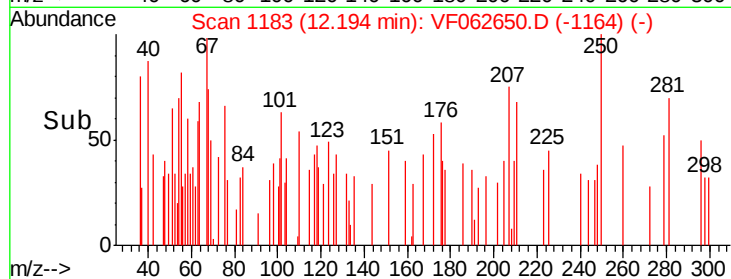
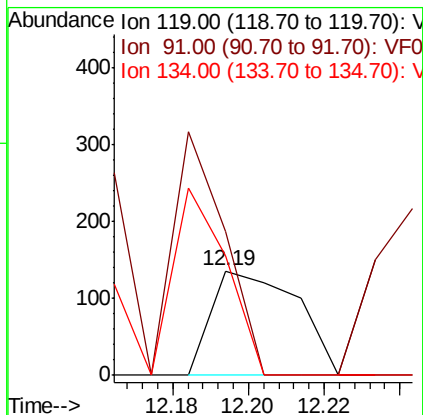
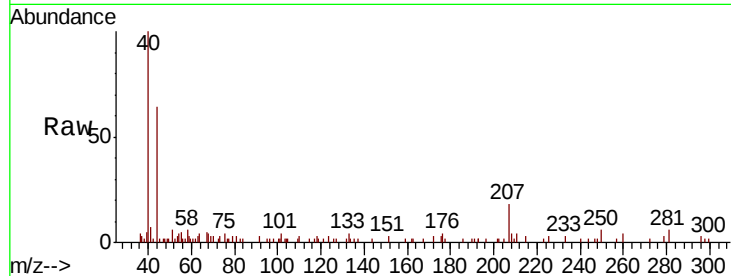




#83
tert-Butylbenzene
Concen: 29.046 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

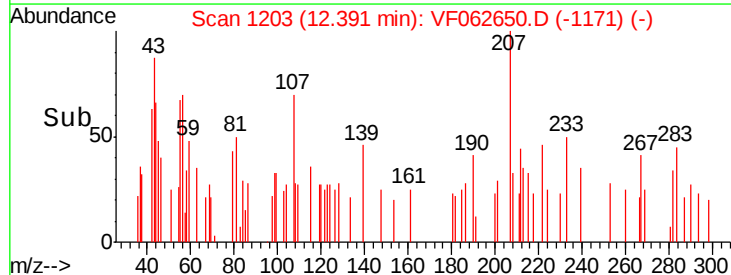
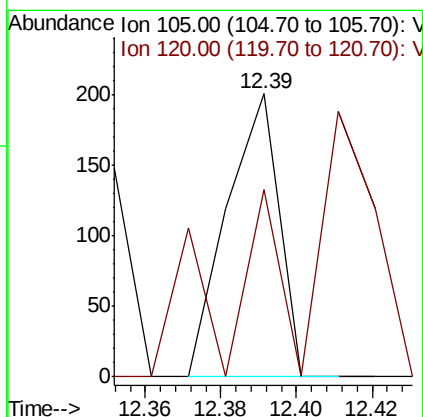
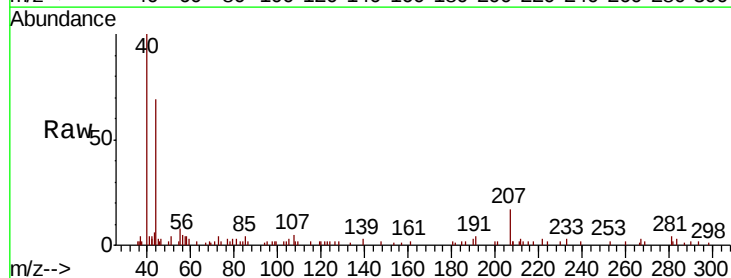
Instrument :
MSVOA_F
ClientSampleId :

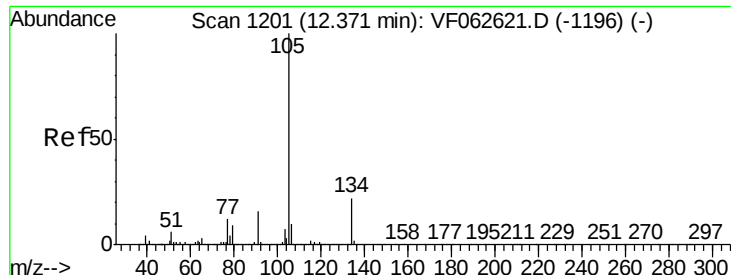
Tot Ion:119 Resp: 210
Ion Ratio Lower Upper
119 100
91 137.5 27.3 81.9#
134 114.0 13.6 40.7#



#84
1,2,4-Trimethylbenzene
Concen: 27.402 ug/l
RT: 12.39 min Scan# 1203
Delta R.T. 0.12 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion:105 Resp: 189
Ion Ratio Lower Upper
105 100
120 66.2 26.7 80.1

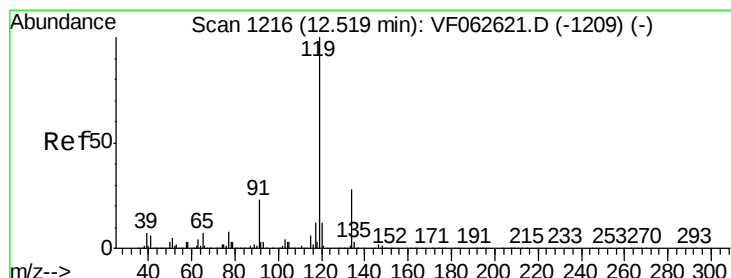
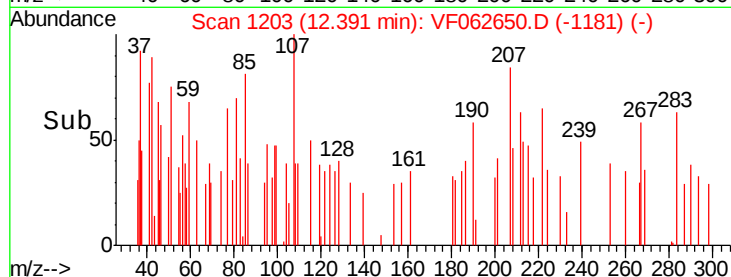
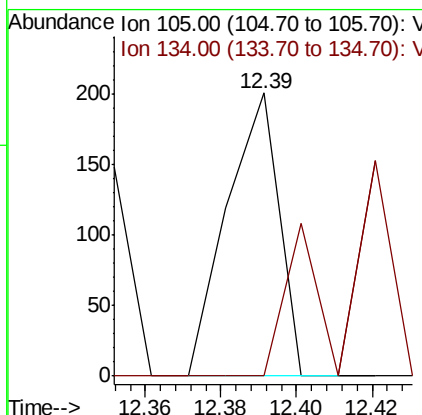
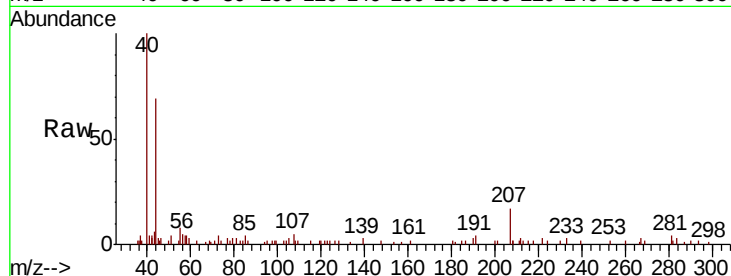




#85
 sec-Butylbenzene
 Concen: 19.479 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

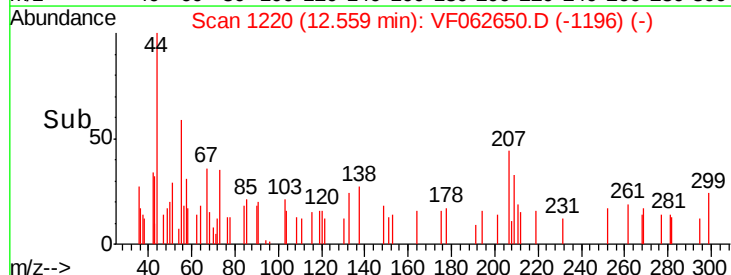
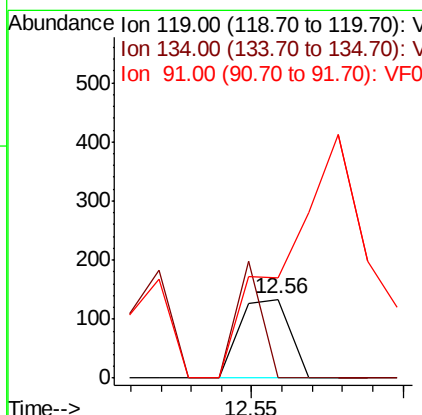
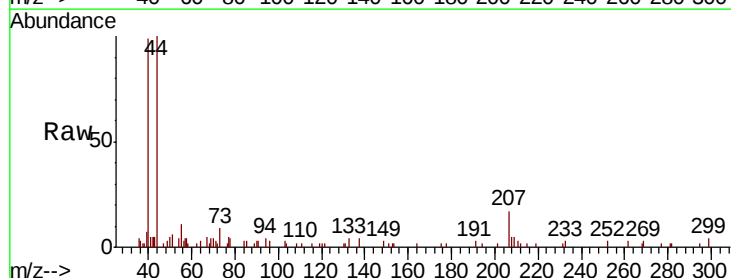
Instrument :
 MSVOA_F
 ClientSampled :

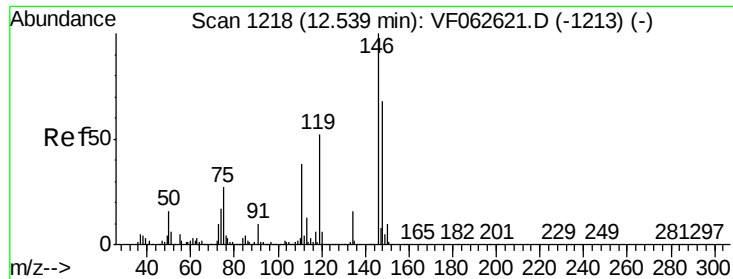
Tot Ion:105 Resp: 189
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 18.833 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.04 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion:119 Resp: 154
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 126.1 11.4 34.2#

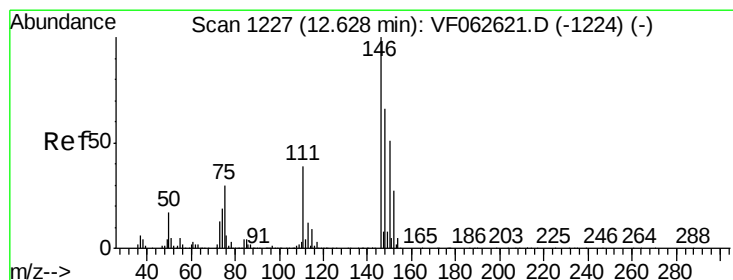
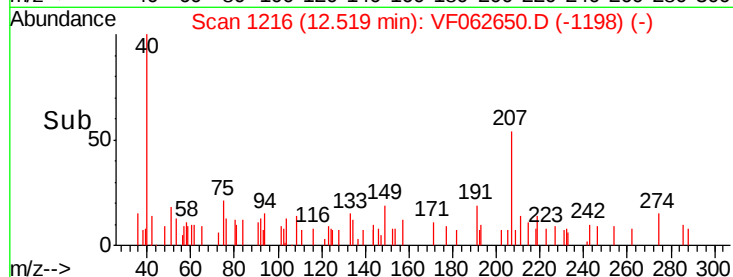
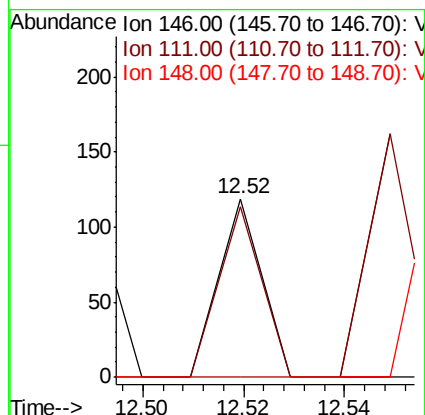
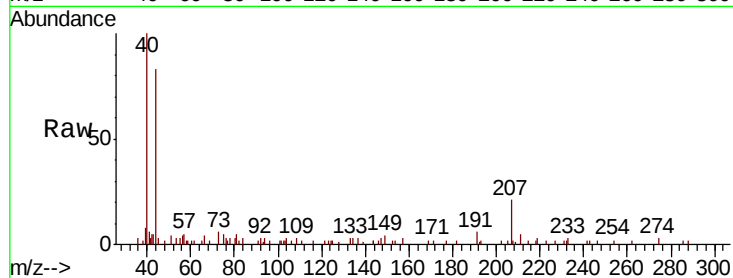




#87
 1,3-Dichlorobenzene
 Concen: 17.514 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

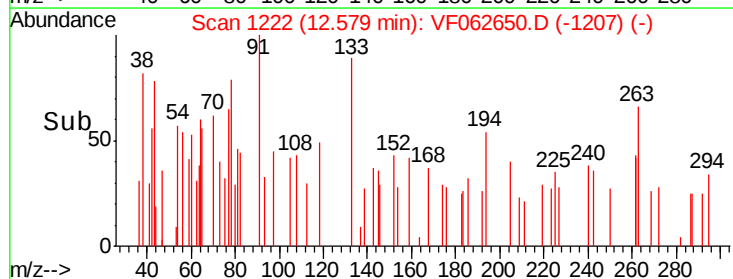
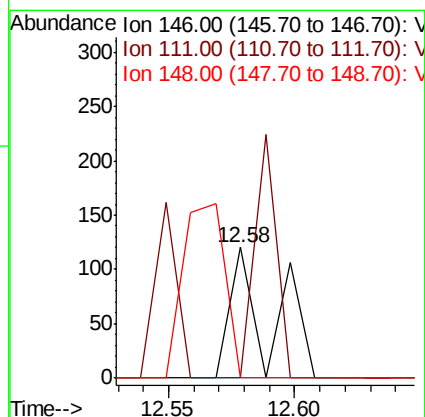
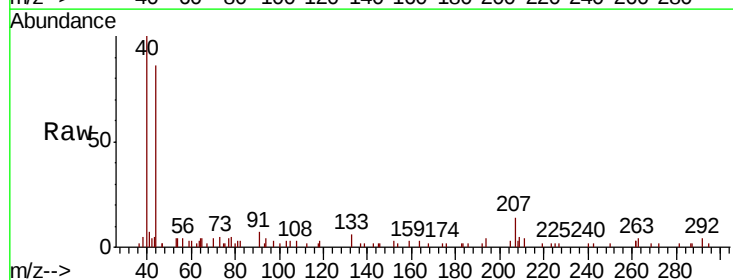
Instrument :
 MSVOA_F
 ClientSampleId :

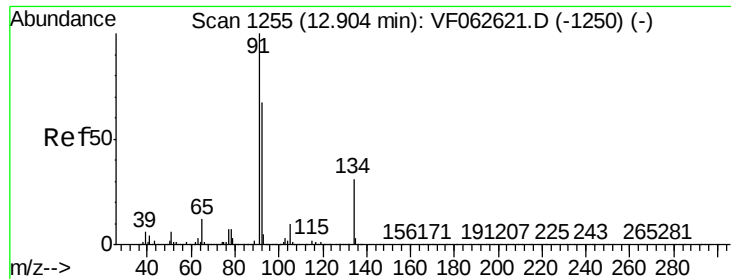
Tot Ion:146 Resp: 70
 Ion Ratio Lower Upper
 146 100
 111 95.8 18.9 56.9#
 148 0.0 34.0 101.8#



#88
 1,4-Dichlorobenzene
 Concen: 35.727 ug/l
 RT: 12.58 min Scan# 1222
 Delta R.T. -0.05 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion:146 Resp: 134
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.2#
 148 0.0 33.2 99.6#





#89

n-Butylbenzene

Concen: 28.777 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampleId :

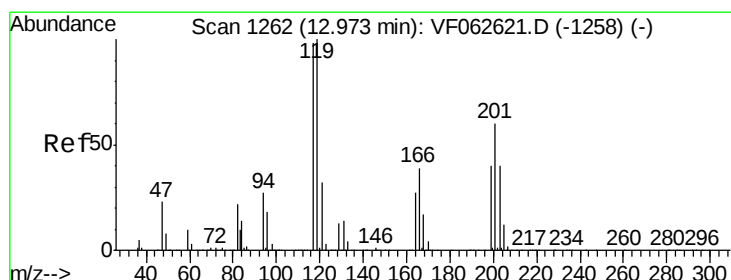
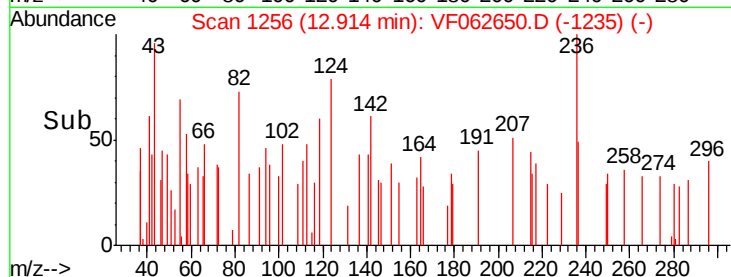
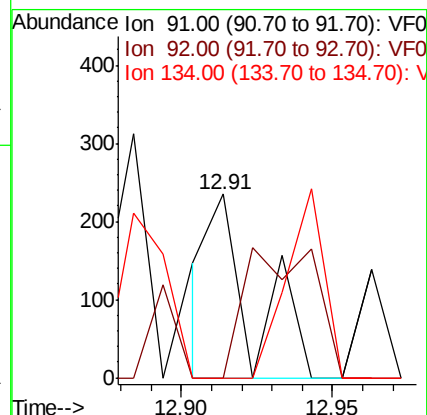
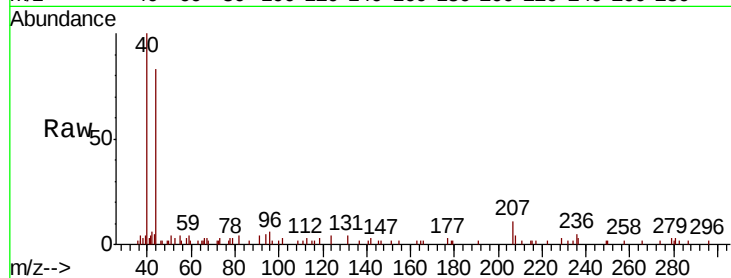
Tot Ion: 91 Resp: 232

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 93.803 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. 0.08 min

Lab File: VF062650.D

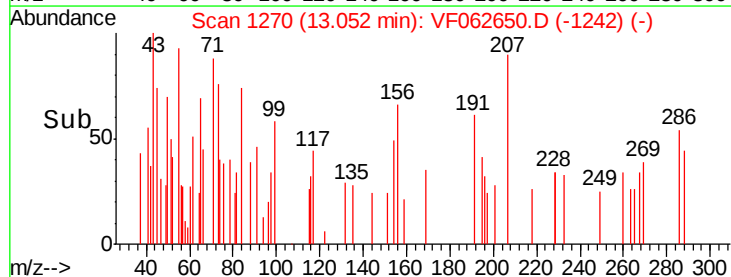
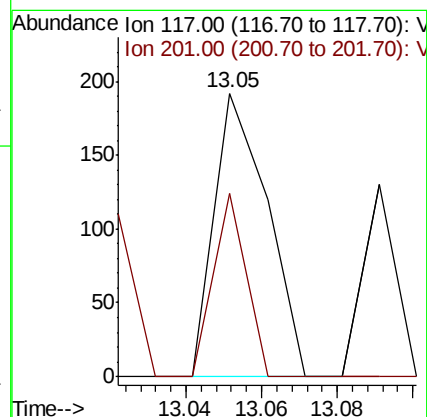
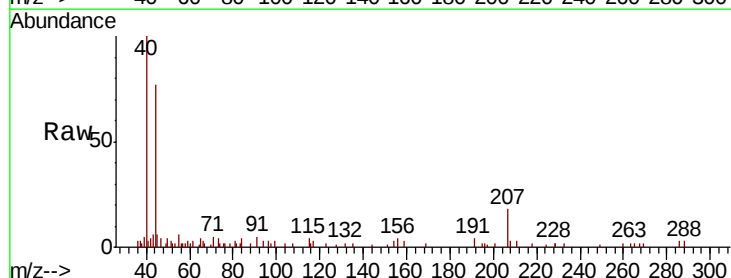
Acq: 17 May 2019 20:43

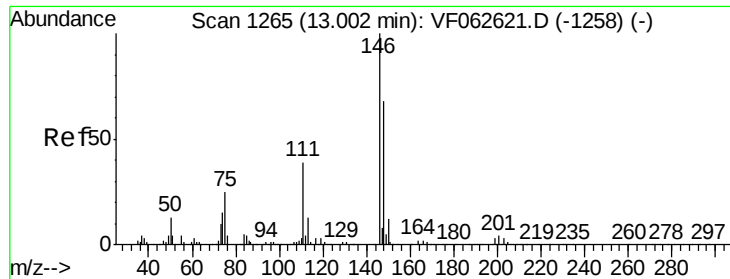
Tgt Ion: 117 Resp: 184

Ion Ratio Lower Upper

117 100

201 64.6 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 17.403 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062650.D

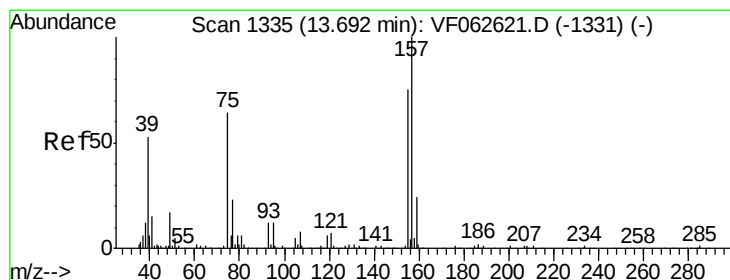
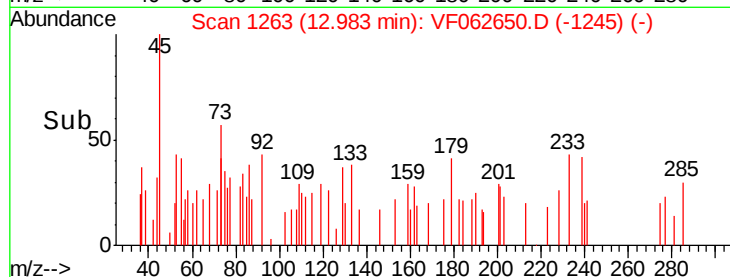
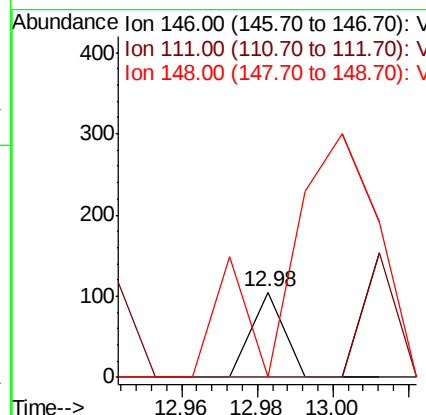
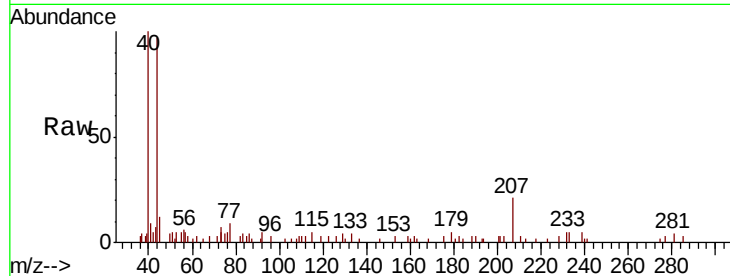
Acq: 17 May 2019 20:43

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	62
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 359.994 ug/l

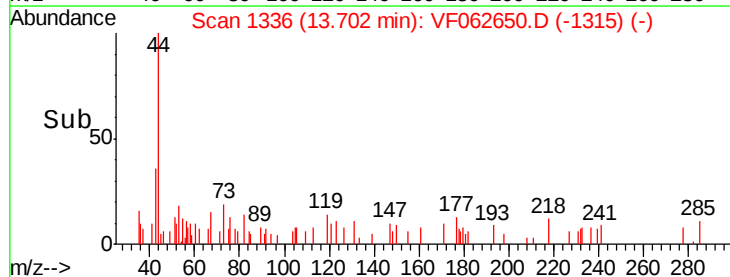
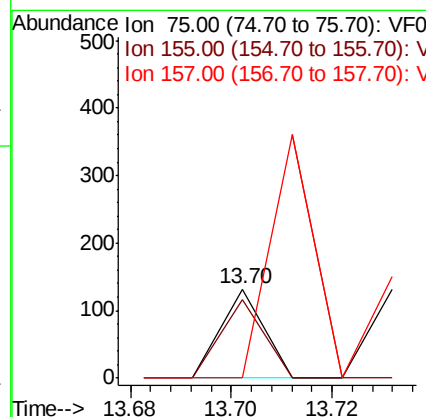
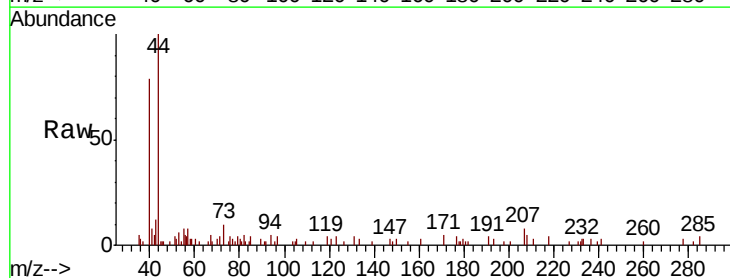
RT: 13.70 min Scan# 1336

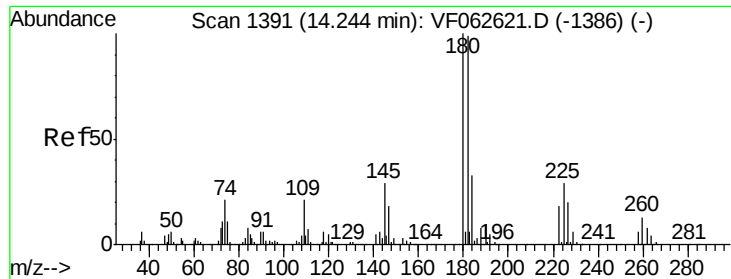
Delta R.T. 0.01 min

Lab File: VF062650.D

Acq: 17 May 2019 20:43

Tgt Ion:	75	Resp:	78
Ion	Ratio	Lower	Upper
75	100		
155	88.6	58.1	174.3
157	0.0	77.8	233.4#

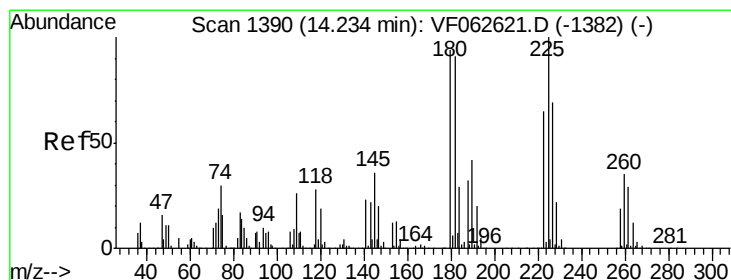
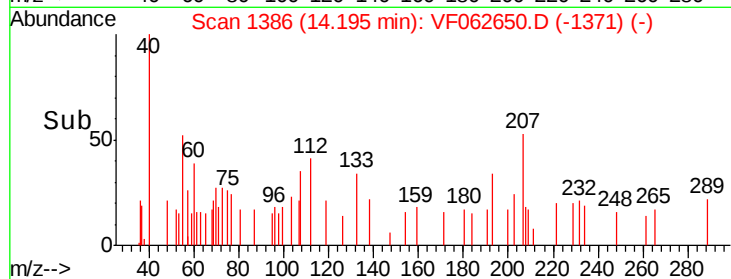
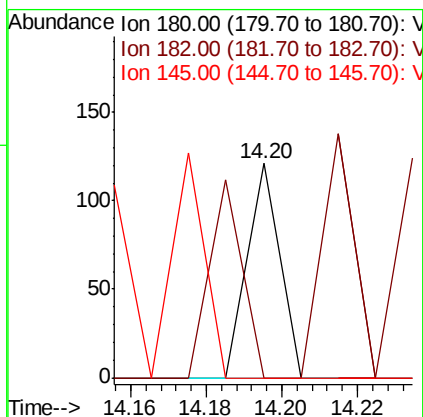
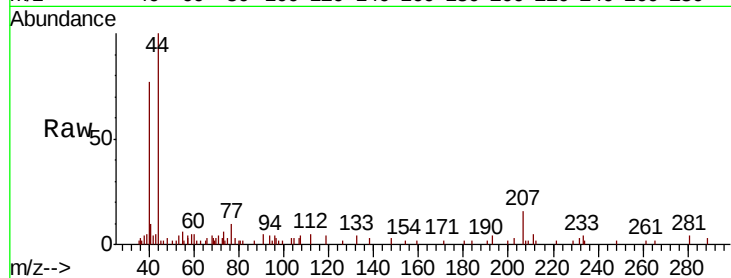




#93
 1,2,4-Trichlorobenzene
 Concen: 28.234 ug/l
 RT: 14.20 min Scan# 1386
 Delta R.T. -0.05 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

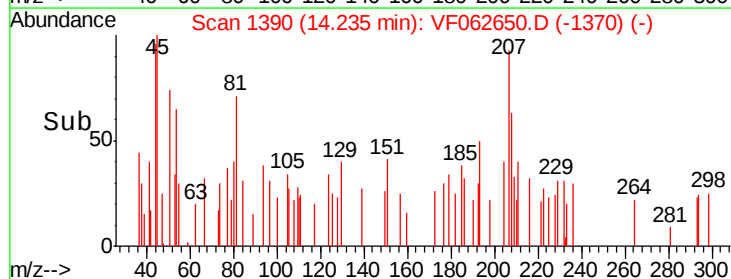
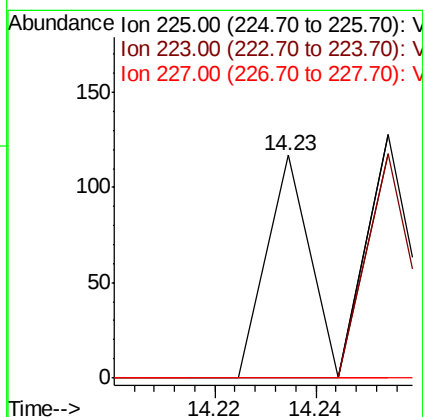
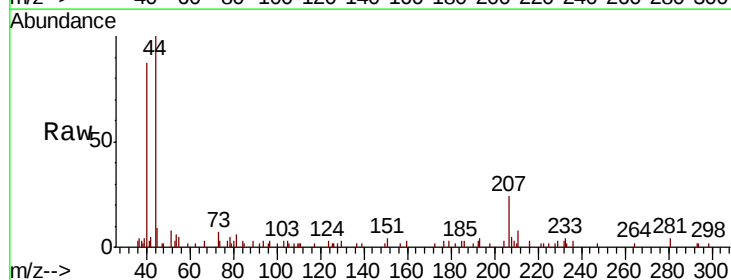
Instrument :
 MSVOA_F
 ClientSampleId :

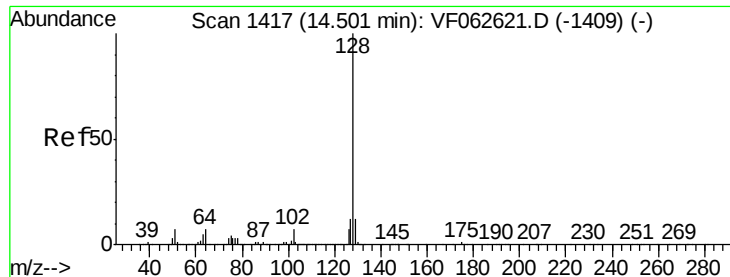
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.6	44.0#



#94
 Hexachlorobutadiene
 Concen: 38.771 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062650.D
 Acq: 17 May 2019 20:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.5	97.4#
227	0.0	34.5	103.5#

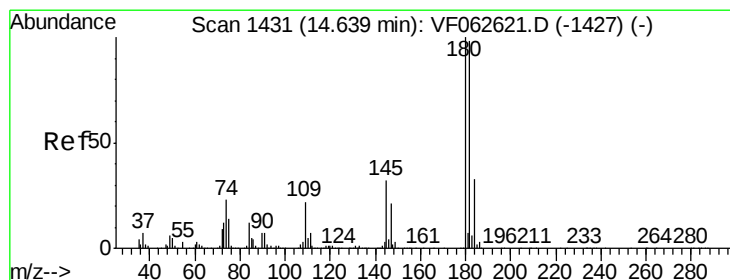
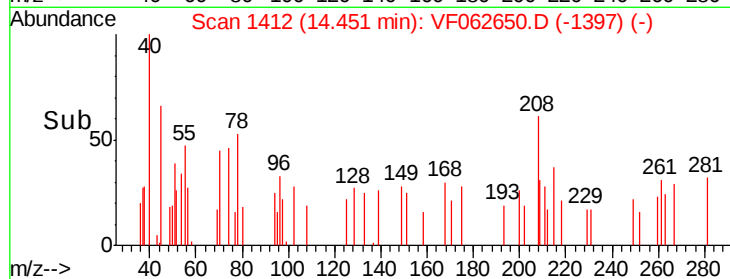
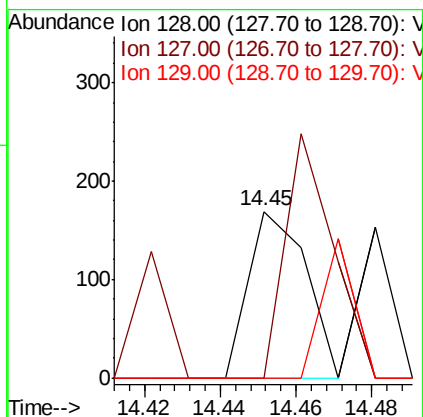
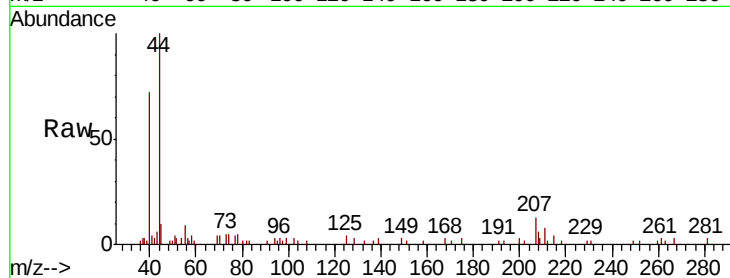




#95
Naphthalene
Concen: 38.421 ug/l
RT: 14.45 min Scan# 1412
Delta R.T. -0.05 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.7	14.5#
129	0.0	9.3	13.9#



#96
1,2,3-Trichlorobenzene
Concen: 41.813 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062650.D
Acq: 17 May 2019 20:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.9	146.7#
145	0.0	16.1	48.2#

