

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062640.D
 Acq On : 17 May 2019 16:03
 Operator : FY/SY
 Sample : K2881-02
 Misc : 6.72g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:39:49 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	5.06	168	62	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	248	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	64	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	65	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	474	1081.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	2163.78%	
35) Dibromofluoromethane	4.35	113	276	145.44	ug/l	0.03
Spiked Amount	50.000		Recovery	=	290.88%	
50) Toluene-d8	7.72	98	278	61.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.72%	
62) 4-Bromofluorobenzene	11.47	95	328	190.87	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	381.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	169	200.302	ug/l #	41
3) Chloromethane	1.10	50	568	731.120	ug/l	90
4) Vinyl Chloride	1.28	62	574	802.663	ug/l	97
5) Bromomethane	1.46	94	940	2402.764	ug/l	98
6) Chloroethane	1.45	64	539	2052.246	ug/l #	59
7) Trichlorofluoromethane	1.63	101	205	213.497	ug/l	93
8) Diethyl Ether	1.63	74	638	3353.970	ug/l	49
9) 1,1,2-Trichlorotrifluoroet	1.91	101	74	121.031	ug/l #	1
10) Methyl Iodide	1.97	142	82	68.273	ug/l #	1
11) Tert butyl alcohol	2.65	59	1036	35816.501	ug/l #	64
12) 1,1-Dichloroethene	1.87	96	910	1633.863	ug/l #	1
13) Acrolein	2.10	56	847	28052.110	ug/l #	25
14) Allyl chloride	2.21	41	559	1108.945	ug/l #	14
15) Acrylonitrile	3.10	53	76	931.453	ug/l #	1
16) Acetone	2.35	43	1281	11270.149	ug/l #	89
17) Carbon Disulfide	1.96	76	609	368.908	ug/l #	1
18) Methyl Acetate	2.43	43	1511	8459.578	ug/l #	52
19) Methyl tert-butyl Ether	2.55	73	1077	1081.699	ug/l #	55
20) Methylene Chloride	2.34	84	147	258.017	ug/l #	12
21) trans-1,2-Dichloroethene	2.41	96	680	1249.112	ug/l #	1
22) Diisopropyl ether	2.95	45	2056	1653.720	ug/l #	84
23) Vinyl Acetate	3.33	43	921	1098.167	ug/l #	73
24) 1,1-Dichloroethane	3.02	63	262	287.263	ug/l #	86
25) 2-Butanone	4.49	43	916	3772.022	ug/l	97
26) 2,2-Dichloropropane	3.67	77	884	1693.989	ug/l	89
27) cis-1,2-Dichloroethene	3.62	96	180	201.013	ug/l	50
28) Bromochloromethane	3.91	49	254	496.556	ug/l #	1
29) Tetrahydrofuran	4.33	42	1817	18490.026	ug/l #	30
30) Chloroform	4.04	83	316	249.546	ug/l #	16
31) Cyclohexane	3.89	56	336	274.371	ug/l #	15
32) 1,1,1-Trichloroethane	4.31	97	400	475.637	ug/l #	83
36) 1,1-Dichloropropene	4.51	75	477	187.704	ug/l #	67
37) Ethyl Acetate	4.33	43	556	535.857	ug/l #	2
38) Carbon Tetrachloride	4.19	117	282	147.551	ug/l #	43

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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	5.66	83	534	174.639	ug/l #	58
40) Benzene	4.84	78	415	59.945	ug/l #	55
41) Methacrylonitrile	4.92	41	626	1150.778	ug/l #	56
42) 1,2-Dichloroethane	5.17	62	148	107.203	ug/l	71
43) Isopropyl Acetate	7.12	43	679	505.119	ug/l #	43
44) Trichloroethene	5.69	130	189	97.135	ug/l	1
45) 1,2-Dichloropropane	6.38	63	677	387.385	ug/l	92
46) Dibromomethane	6.18	93	249	246.536	ug/l #	3
47) Bromodichloromethane	6.56	83	115	54.847	ug/l #	25
48) Methyl methacrylate	6.91	41	968	1377.721	ug/l #	53
49) 1,4-Dioxane	6.87	88	141	15668.454	ug/l #	17
51) 4-Methyl-2-Pentanone	8.38	43	704	766.185	ug/l	93
52) Toluene	7.64	92	357	98.327	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	299	174.304	ug/l #	1
54) cis-1,3-Dichloropropene	7.41	75	642	267.359	ug/l #	1
55) 1,1,2-Trichloroethane	8.62	97	131	121.859	ug/l #	28
56) Ethyl methacrylate	8.77	69	434	338.865	ug/l #	27
57) 1,3-Dichloropropane	9.00	76	237	129.432	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.43	63	334	801.184	ug/l #	51
59) 2-Hexanone	9.71	43	1330	2376.417	ug/l	63
60) Dibromochloromethane	8.85	129	170	121.334	ug/l	96
61) 1,2-Dibromoethane	9.11	107	390	341.558	ug/l #	3
64) Tetrachloroethene	8.29	164	256	504.906	ug/l #	1
65) Chlorobenzene	9.92	112	229	182.176	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.17	131	185	366.607	ug/l	64
67) Ethyl Benzene	10.09	91	328	150.202	ug/l	92
68) m/p-Xylenes	10.25	106	242	294.856	ug/l #	39
69) o-Xylene	10.80	106	64	75.707	ug/l	62
70) Styrene	10.90	104	166	129.192	ug/l #	1
71) Bromoform	10.97	173	73	288.839	ug/l #	27
73) Isopropylbenzene	11.21	105	427	91.658	ug/l #	56
74) N-amyl acetate	11.47	43	1183	1112.730	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.81	83	319	335.063	ug/l #	83
76) 1,2,3-Trichloropropane	11.99	75	373	596.262	ug/l	74
77) Bromobenzene	11.55	156	91	78.584	ug/l #	26
78) n-propylbenzene	11.69	91	473	85.791	ug/l #	50
79) 2-Chlorotoluene	11.77	91	479	154.161	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	269	72.011	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.96	75	510	1834.090	ug/l #	26
82) 4-Chlorotoluene	11.94	91	433	141.316	ug/l #	37
83) tert-Butylbenzene	12.21	119	458	120.848	ug/l #	5
84) 1,2,4-Trimethylbenzene	12.34	105	225	62.232	ug/l	64
85) sec-Butylbenzene	12.37	105	60	11.797	ug/l #	54
86) p-Isopropyltoluene	12.52	119	63	14.698	ug/l #	1
87) 1,3-Dichlorobenzene	12.59	146	90	42.958	ug/l #	23
88) 1,4-Dichlorobenzene	12.66	146	61	31.027	ug/l #	24
89) n-Butylbenzene	12.89	91	308	72.880	ug/l #	61
90) Hexachloroethane	12.99	117	394	383.182	ug/l #	20
91) 1,2-Dichlorobenzene	12.96	146	293	156.892	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.71	75	416	3662.709	ug/l #	1

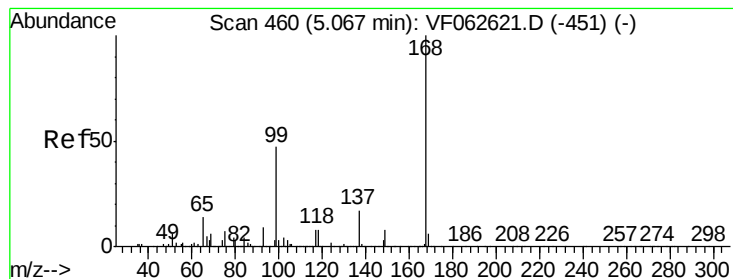
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	66	49.373	ug/l #	11
94) Hexachlorobutadiene	14.27	225	88	94.331	ug/l #	16
95) Naphthalene	14.48	128	1277	525.837	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.66	180	186	146.896	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

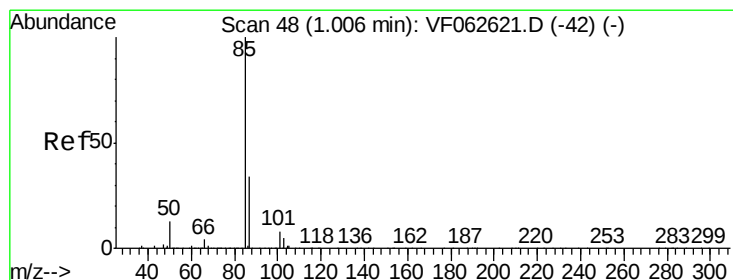
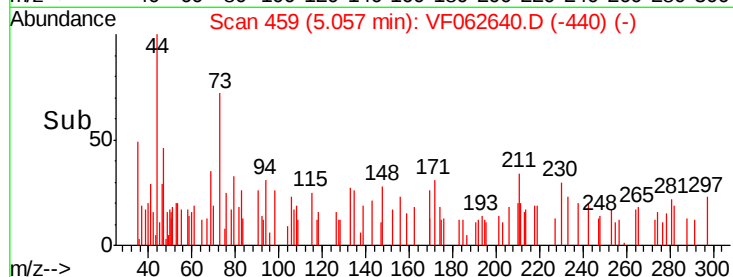
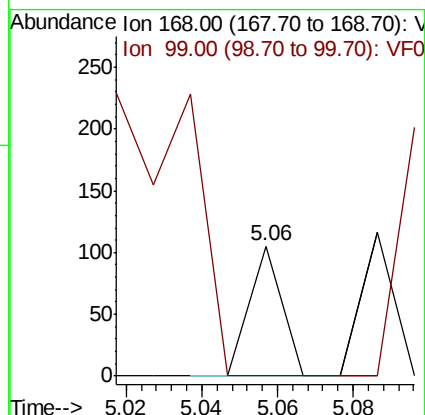
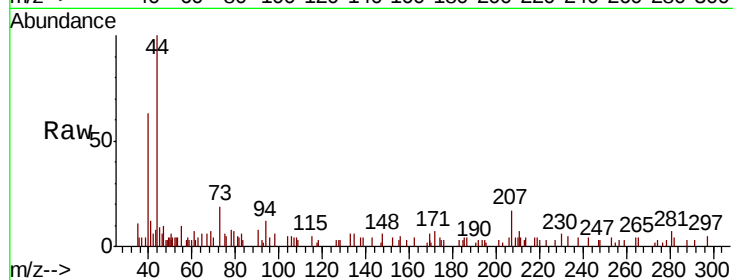
Delta R.T. -0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 62
Ion Ratio Lower Upper
168 100
99 0.0 37.8 56.8#



#2

Dichlorodifluoromethane

Concen: 200.302 ug/l

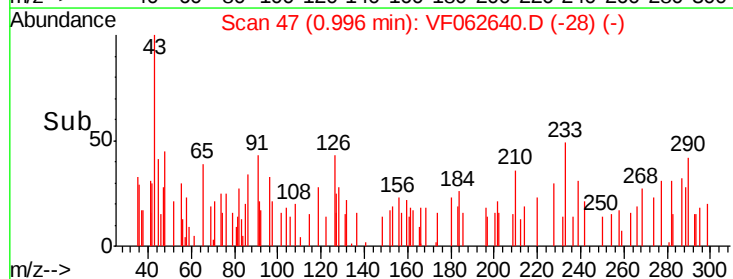
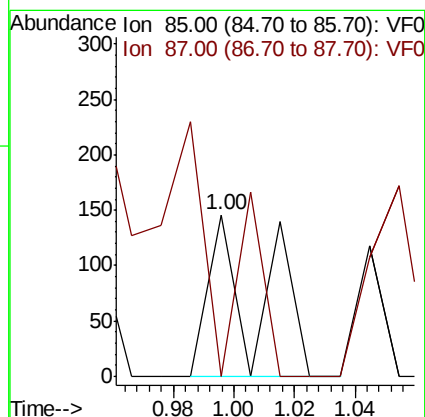
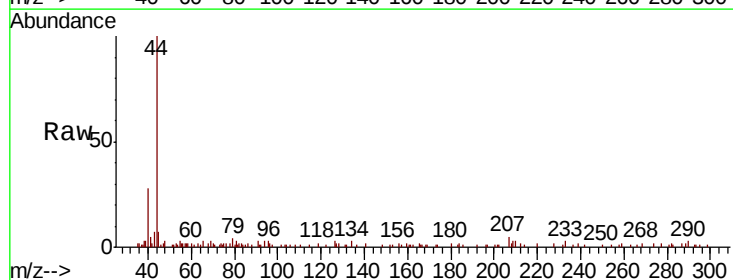
RT: 1.00 min Scan# 47

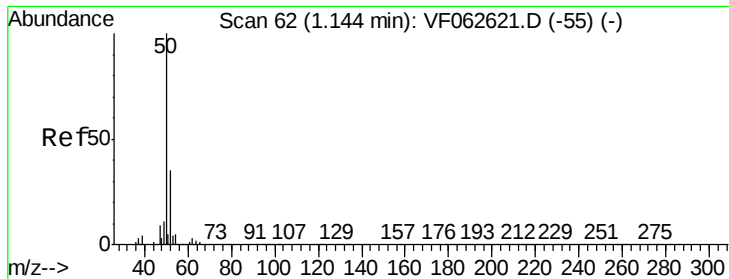
Delta R.T. -0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion: 85 Resp: 169
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.3#





#3

Chloromethane

Concen: 731.120 ug/l

RT: 1.10 min Scan# 58

Delta R.T. -0.04 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

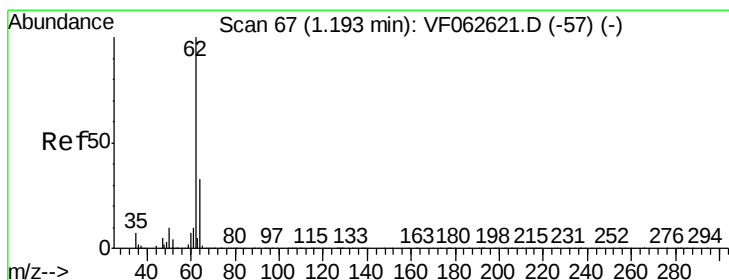
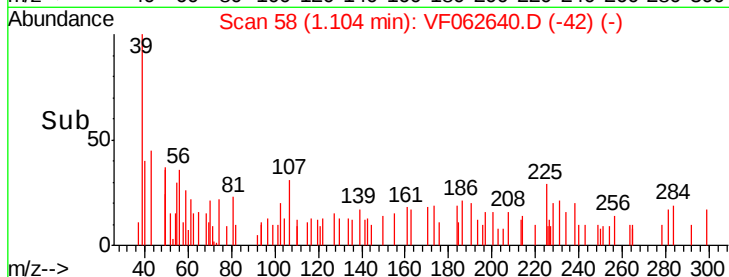
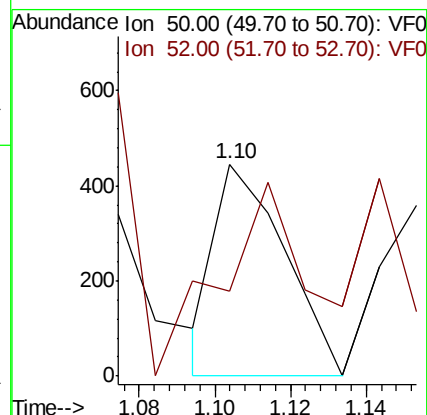
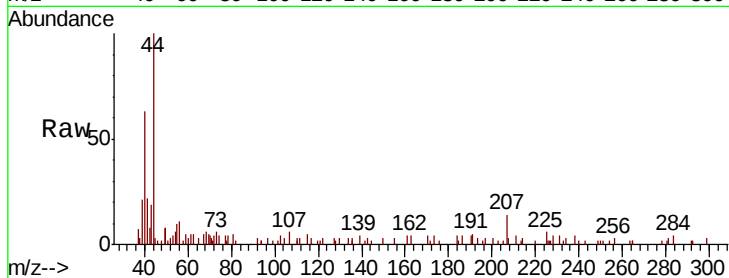
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 568

Ion Ratio Lower Upper

50 100

52 40.1 27.5 41.3



#4

Vinyl Chloride

Concen: 802.663 ug/l

RT: 1.28 min Scan# 76

Delta R.T. 0.09 min

Lab File: VF062640.D

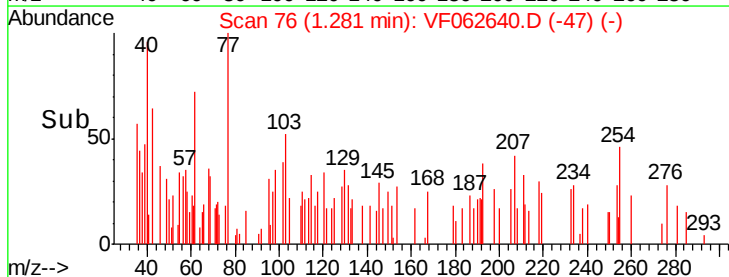
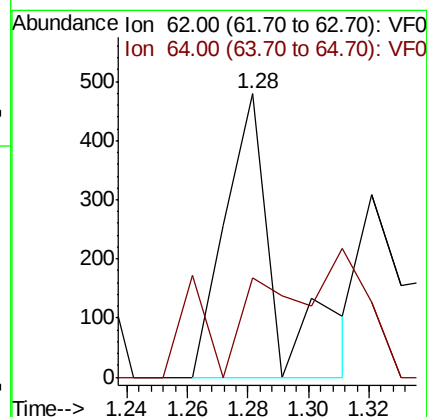
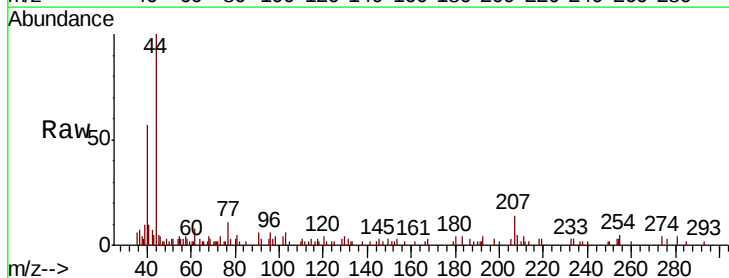
Acq: 17 May 2019 16:03

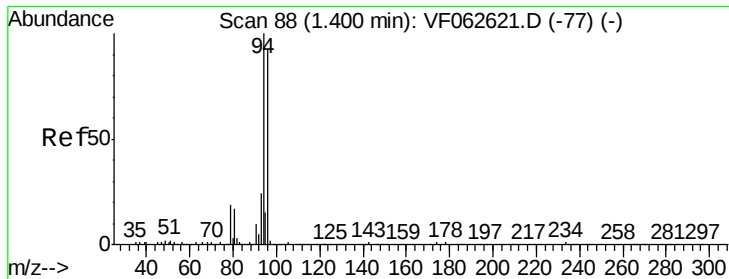
Tgt Ion: 62 Resp: 574

Ion Ratio Lower Upper

62 100

64 34.9 26.7 40.1





#5

Bromomethane

Concen: 2402.764 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.06 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

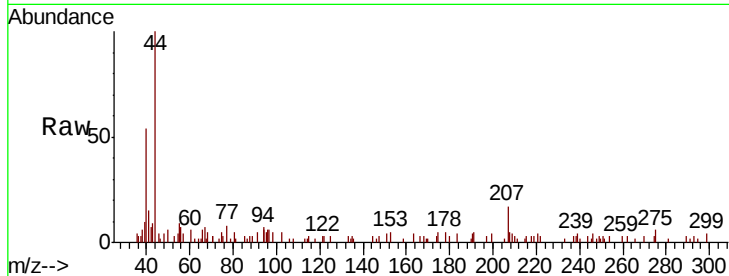
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 940

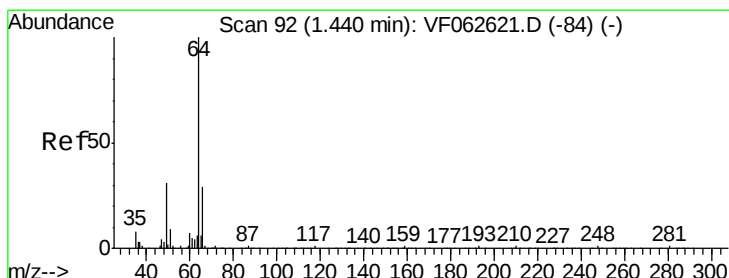
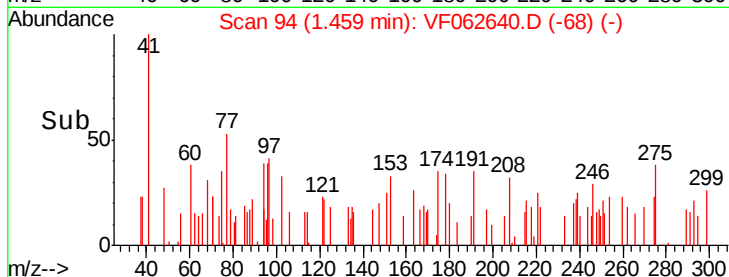
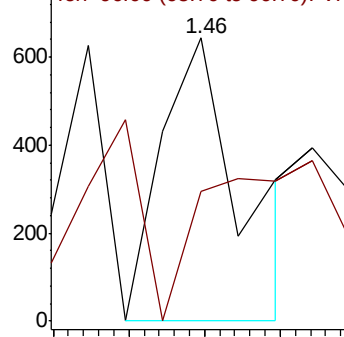
Ion Ratio Lower Upper

94 100

96 93.5 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0
Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 2052.246 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062640.D

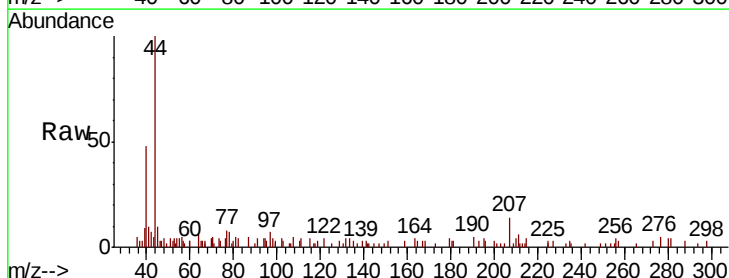
Acq: 17 May 2019 16:03

Tgt Ion: 64 Resp: 539

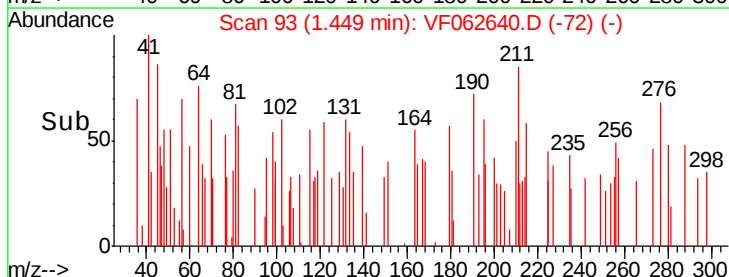
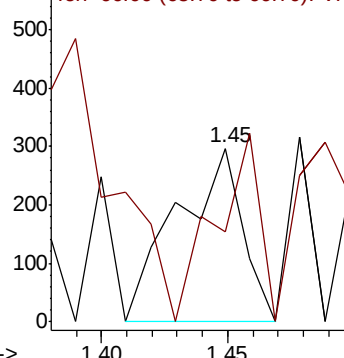
Ion Ratio Lower Upper

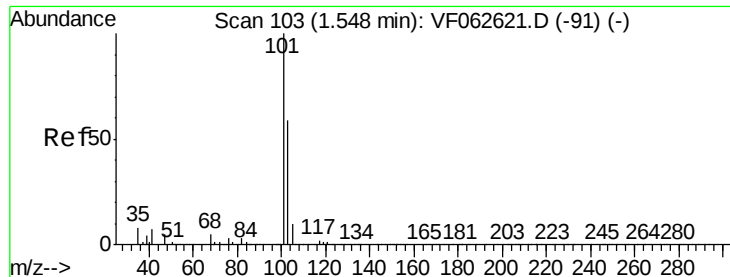
64 100

66 51.5 23.4 35.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0
Ion 66.00 (65.70 to 66.70): VF0



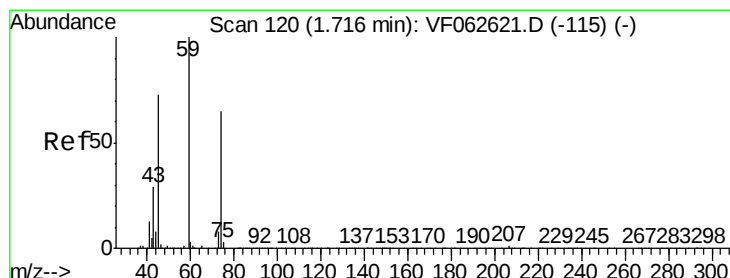
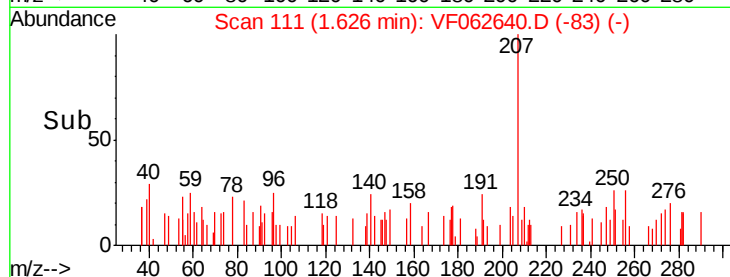
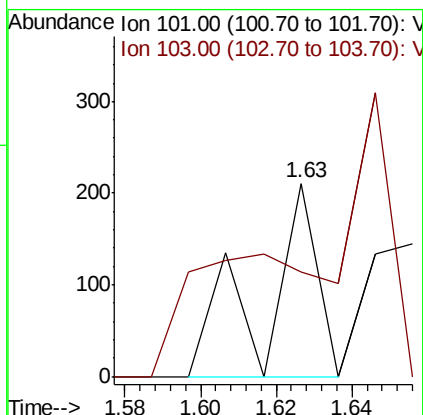
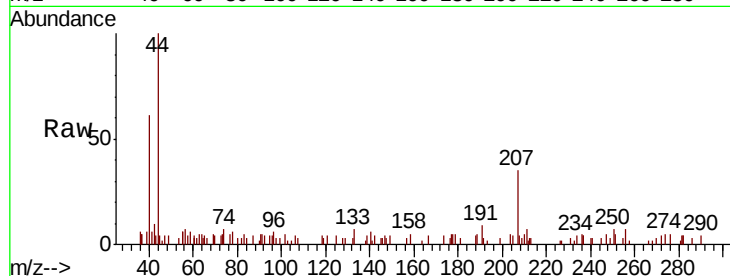


#7

Trichlorofluoromethane
Concen: 213.497 ug/l
RT: 1.63 min Scan# 111
Delta R.T. 0.08 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampled :

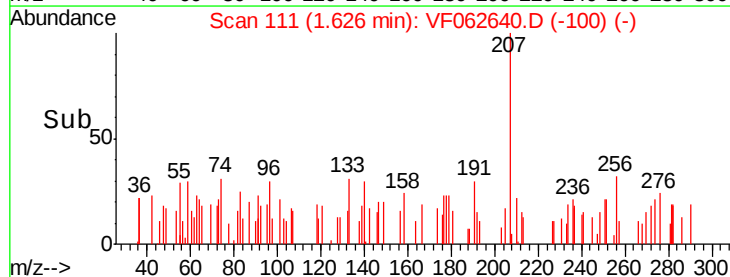
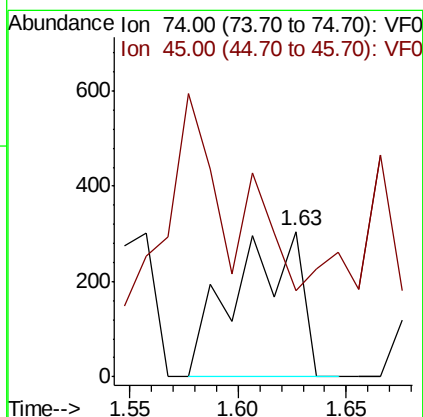
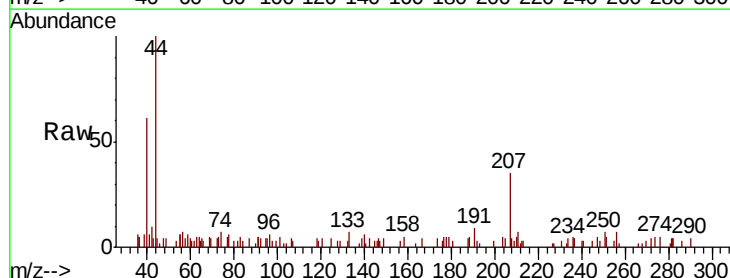
Tot Ion:101 Resp: 205
Ion Ratio Lower Upper
101 100
103 54.0 47.3 70.9

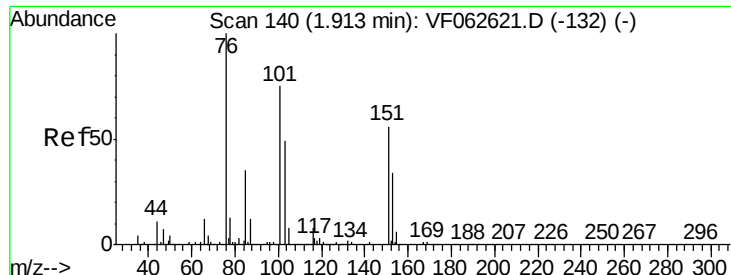


#8

Diethyl Ether
Concen: 3353.970 ug/l
RT: 1.63 min Scan# 111
Delta R.T. -0.09 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 74 Resp: 638
Ion Ratio Lower Upper
74 100
45 59.0 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 121.031 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

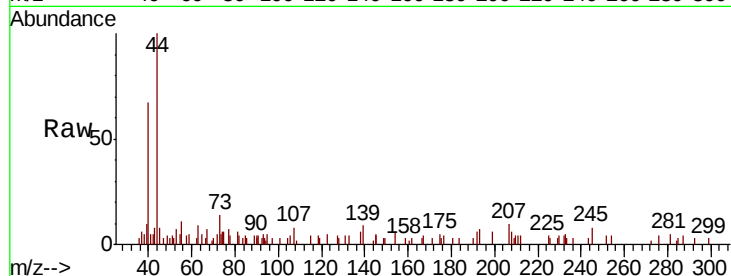
Tot Ion:101 Resp: 74

Ion Ratio Lower Upper

101 100

85 216.8 37.1 55.7#

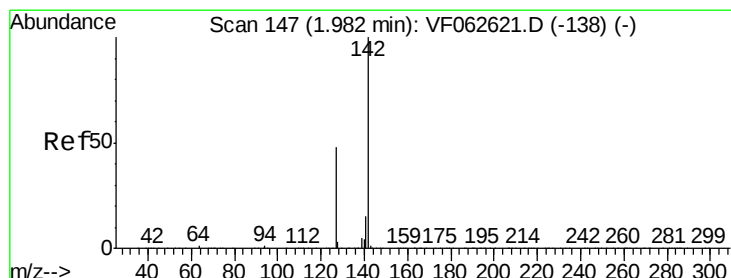
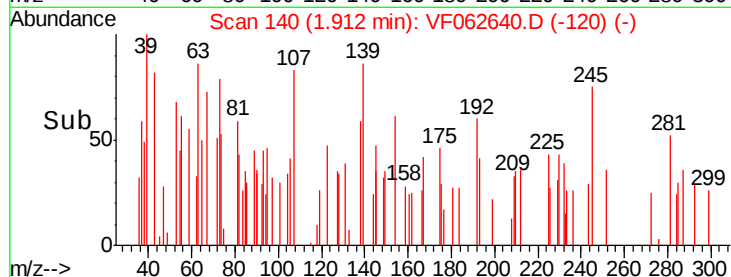
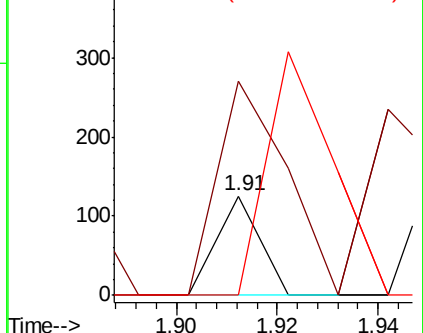
151 0.0 58.8 88.2#



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: 68.273 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

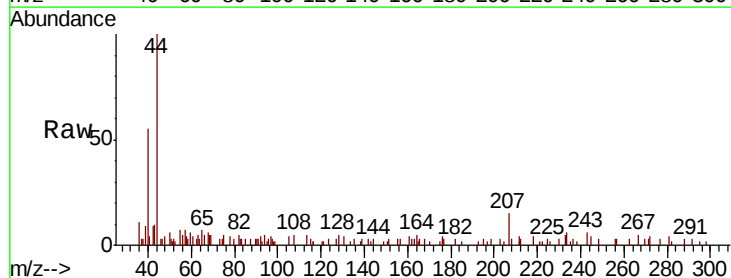
Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

142 100

127 129.5 38.1 57.1#

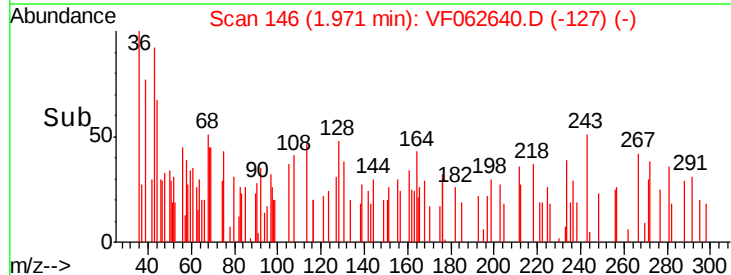
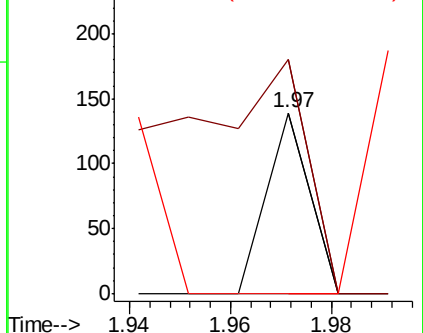
141 0.0 11.7 17.5#

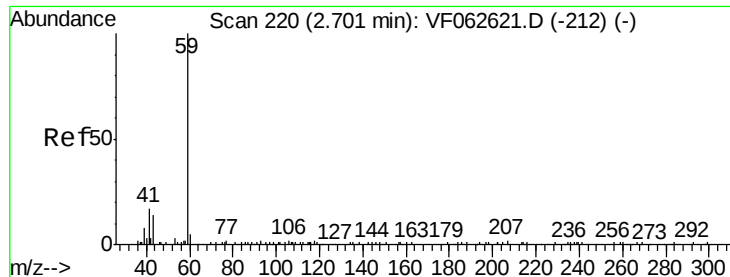


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



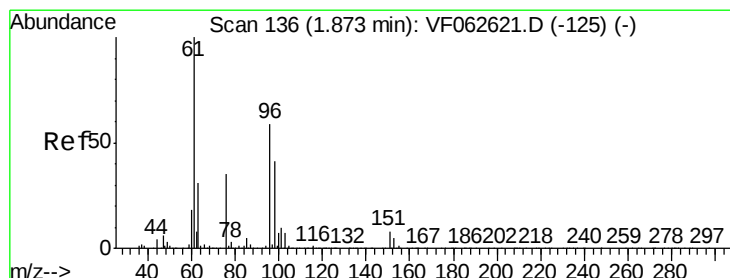
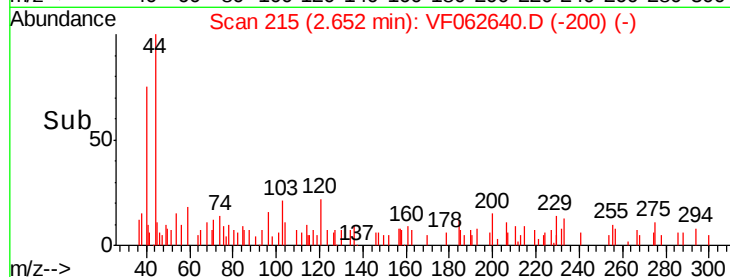
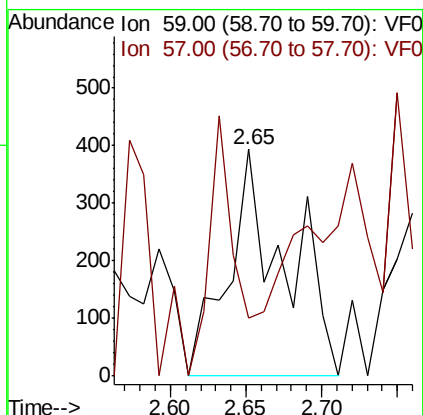
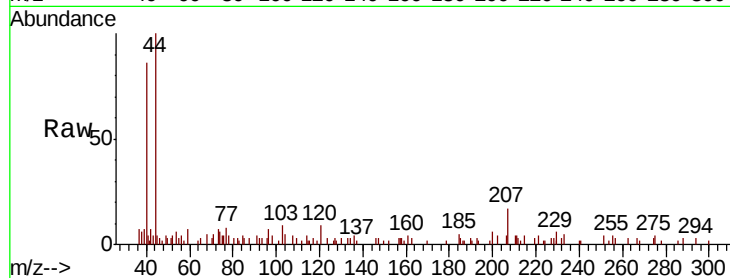


#11

Tert butyl alcohol
Concen: 35816.501 ug/l
RT: 2.65 min Scan# 215
Delta R.T. -0.05 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampled :

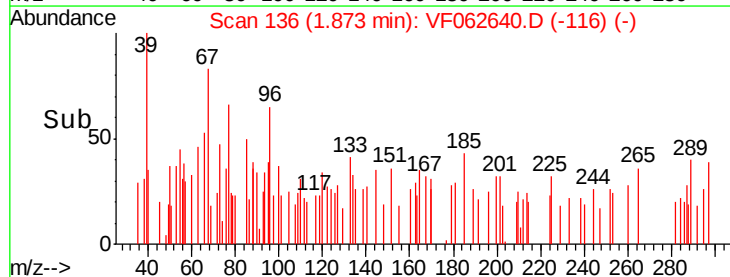
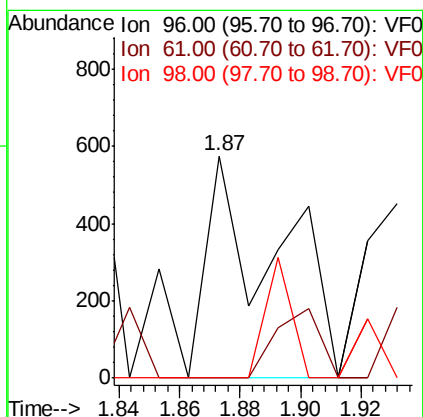
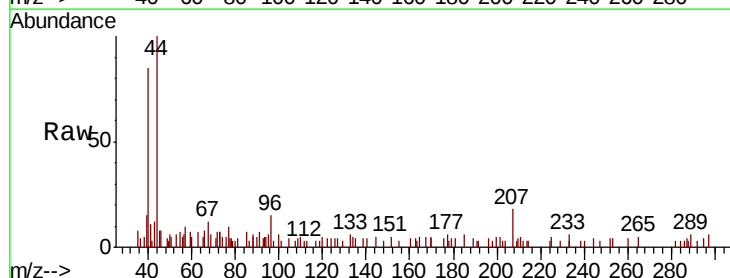
Tot Ion: 59 Resp: 1036
Ion Ratio Lower Upper
59 100
57 25.6 9.3 13.9#

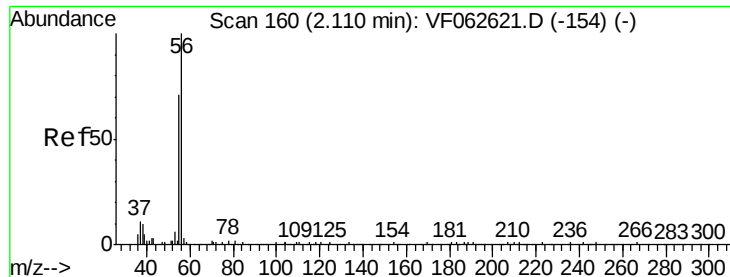


#12

1,1-Dichloroethene
Concen: 1633.863 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 96 Resp: 910
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 0.0 55.0 82.6#





#13

Acrolein

Concen: 28052.110 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

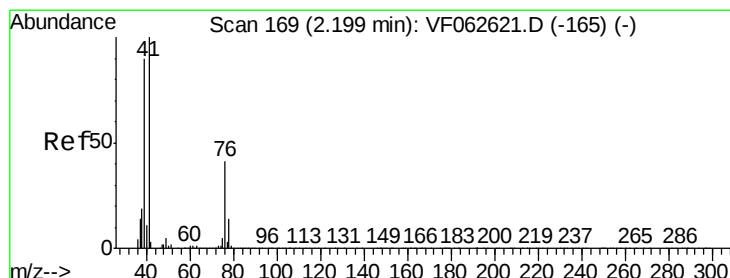
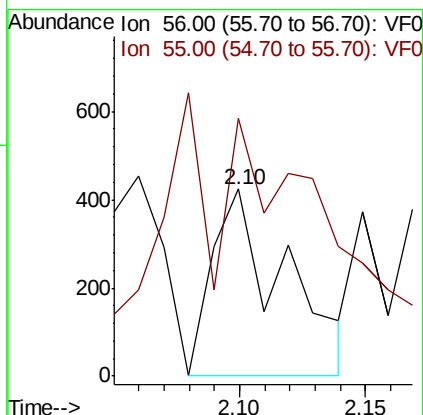
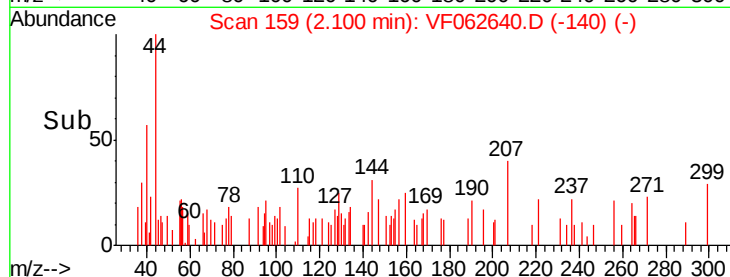
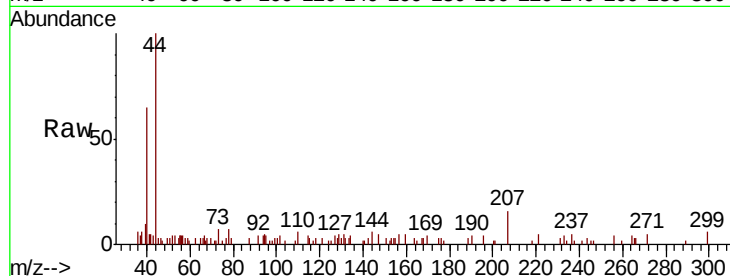
ClientSampleId :

Tot Ion: 56 Resp: 847

Ion Ratio Lower Upper

56 100

55 138.0 59.4 89.0#



#14

Allyl chloride

Concen: 1108.945 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

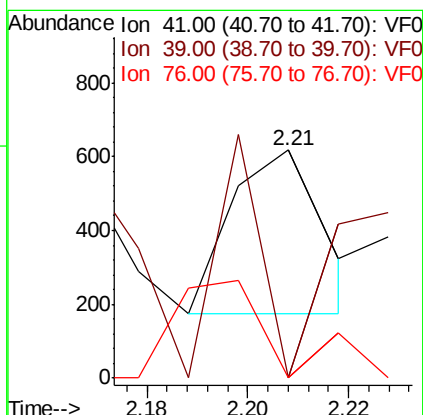
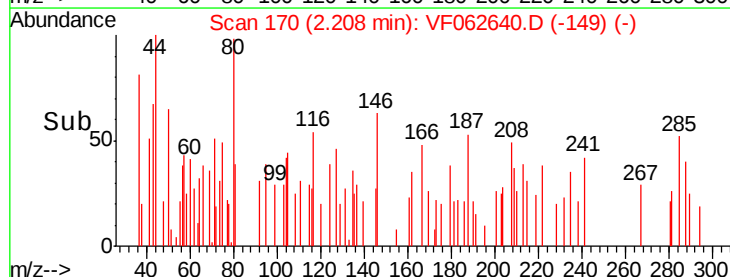
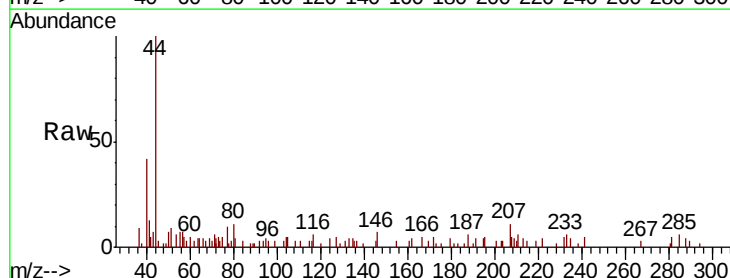
Tgt Ion: 41 Resp: 559

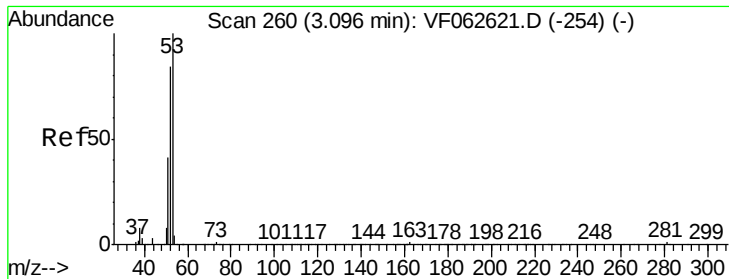
Ion Ratio Lower Upper

41 100

39 0.0 72.0 108.0#

76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 931.453 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampled :

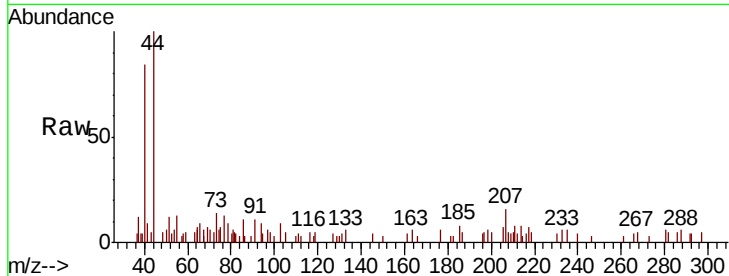
Tot Ion: 53 Resp: 76

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

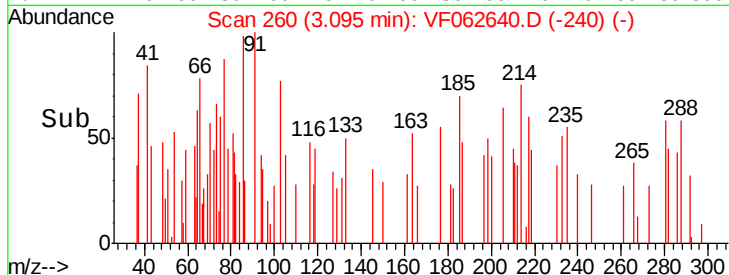
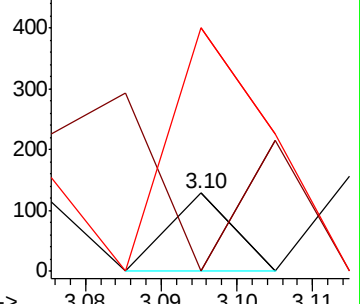
51 312.5 33.0 49.6#



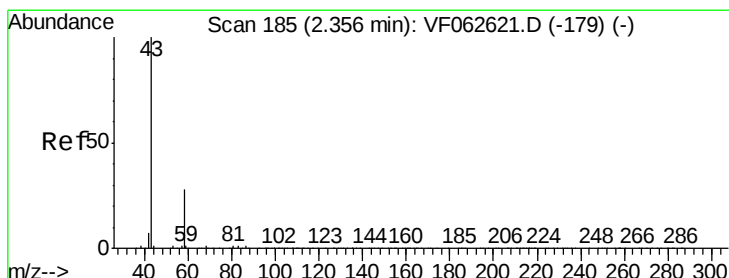
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 11270.149 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062640.D

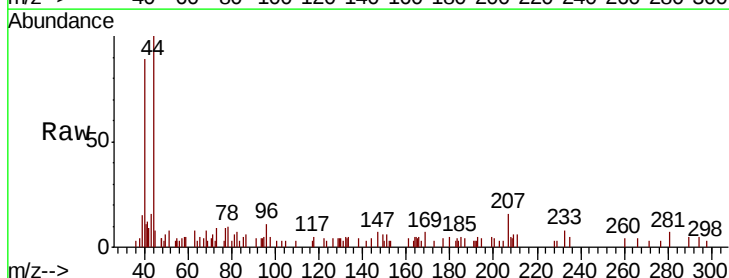
Acq: 17 May 2019 16:03

Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

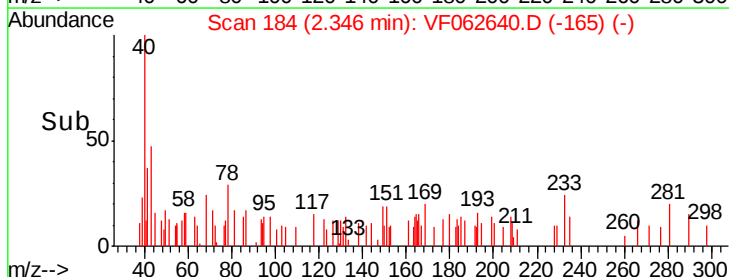
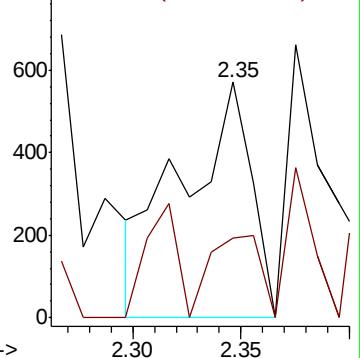
43 100

58 34.0 22.6 33.8#

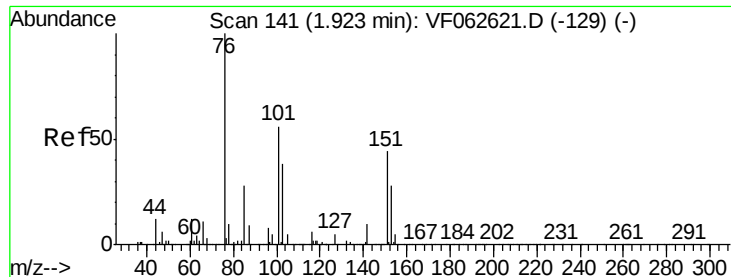


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#17

Carbon Disulfide

Concen: 368.908 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.04 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

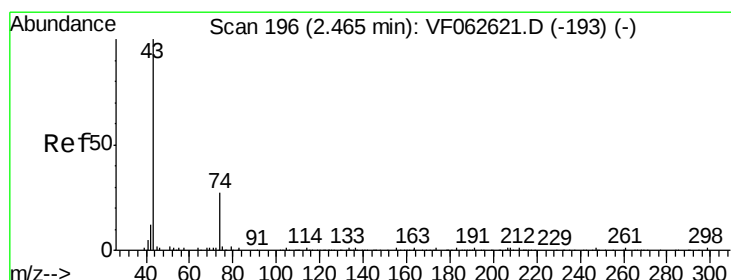
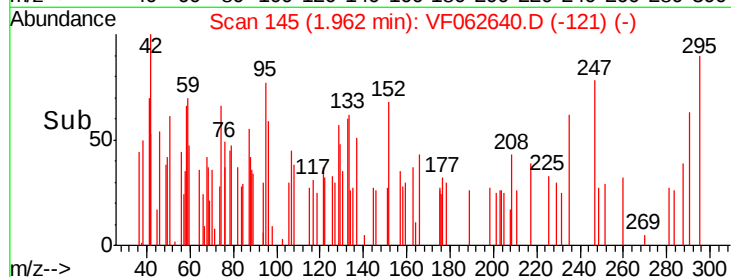
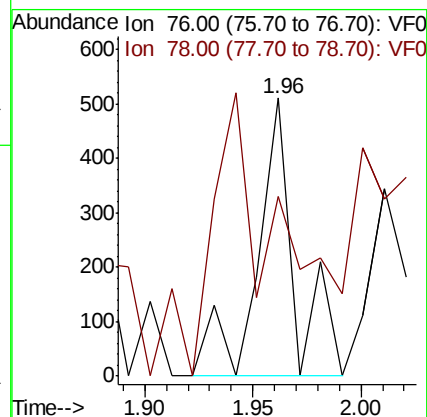
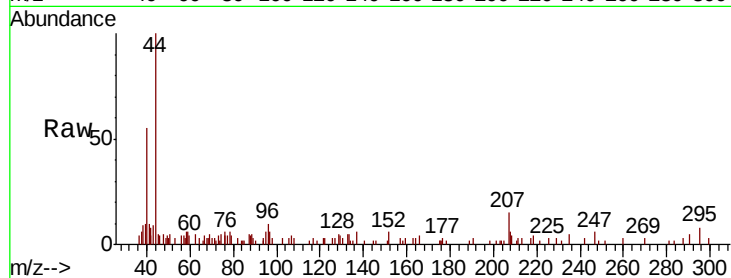
ClientSampled :

Tot Ion: 76 Resp: 609

Ion Ratio Lower Upper

76 100

78 64.6 8.4 12.6#



#18

Methyl Acetate

Concen: 8459.578 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.03 min

Lab File: VF062640.D

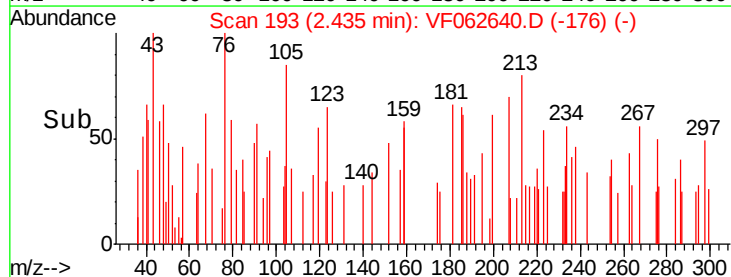
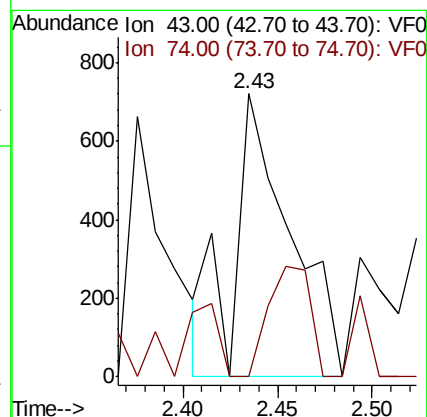
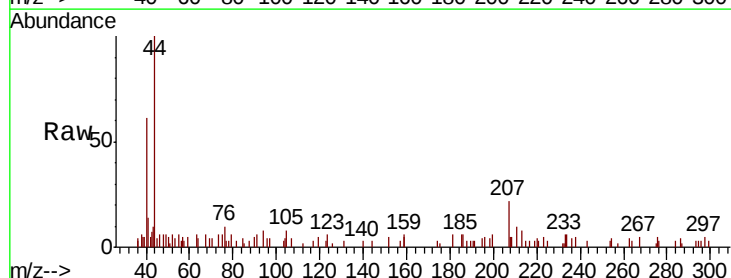
Acq: 17 May 2019 16:03

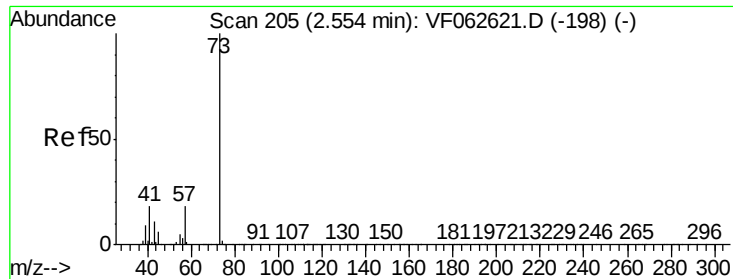
Tgt Ion: 43 Resp: 1511

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



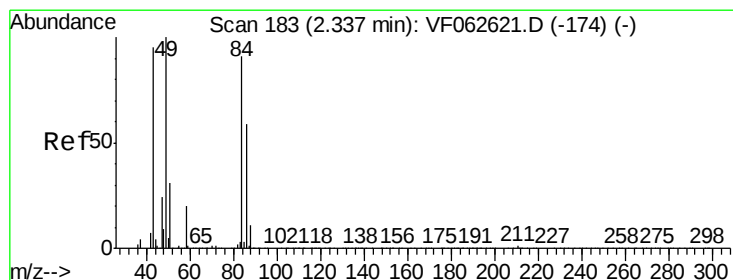
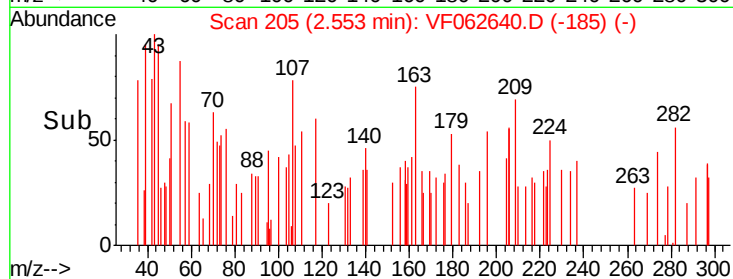
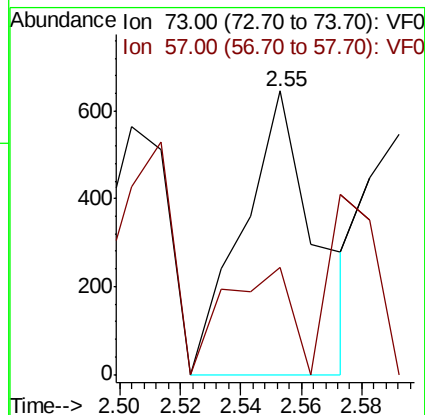


#19

Methyl tert-butyl Ether
 Concen: 1081.699 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Instrument :
 MSVOA_F
 ClientSampleID :

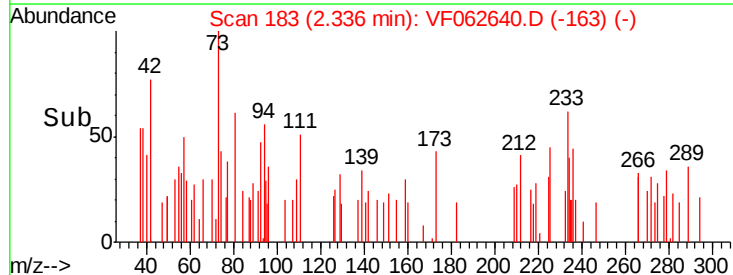
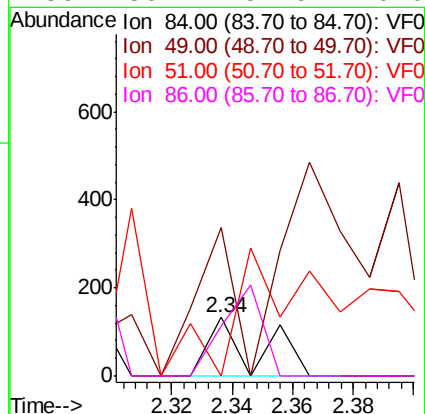
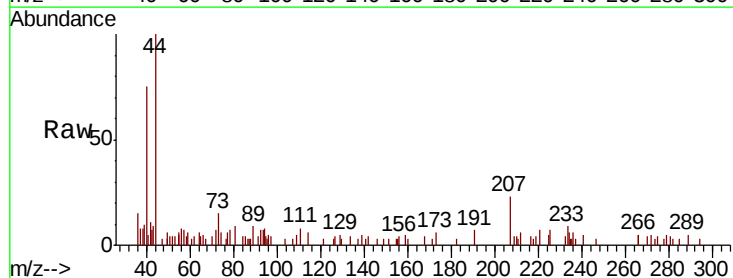
Tot Ion: 73 Resp: 1077
 Ion Ratio Lower Upper
 73 100
 57 37.8 14.2 21.4#

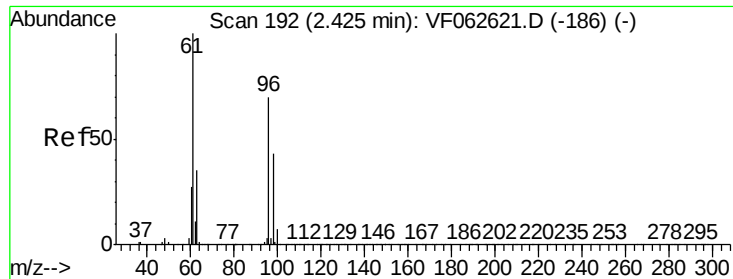


#20

Methylene Chloride
 Concen: 258.017 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion: 84 Resp: 147
 Ion Ratio Lower Upper
 84 100
 49 255.3 89.8 134.8#
 51 0.0 28.4 42.6#
 86 86.4 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 1249.112 ug/l

RT: 2.41 min Scan# 190

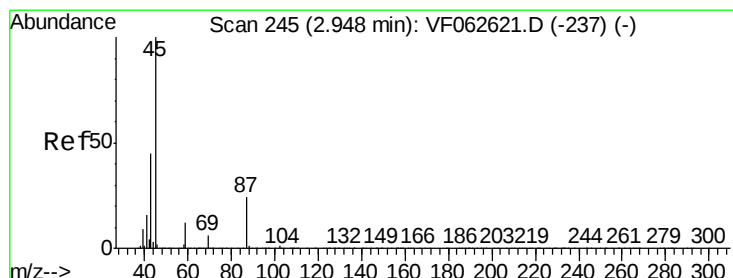
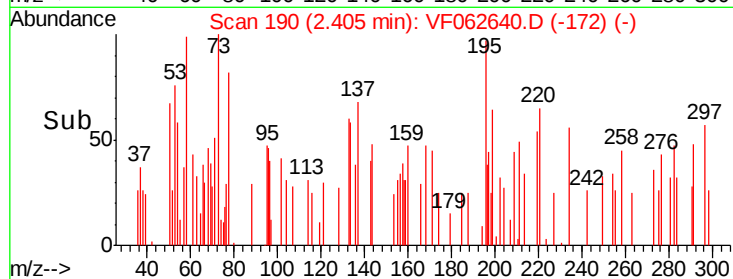
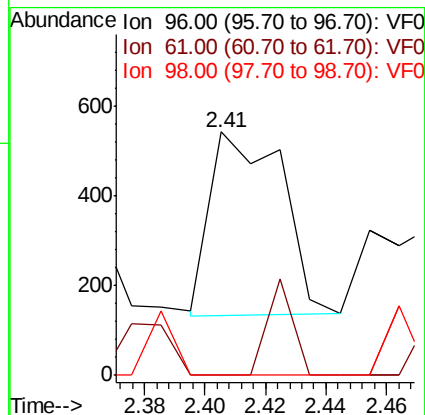
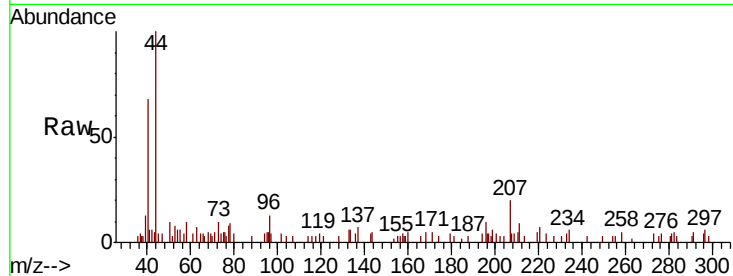
Delta R.T. -0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	680
Ion	Ratio	Lower	Upper
96	100		
61	0.0	114.6	171.8#
98	0.0	49.5	74.3#



#22

Diisopropyl ether

Concen: 1653.720 ug/l

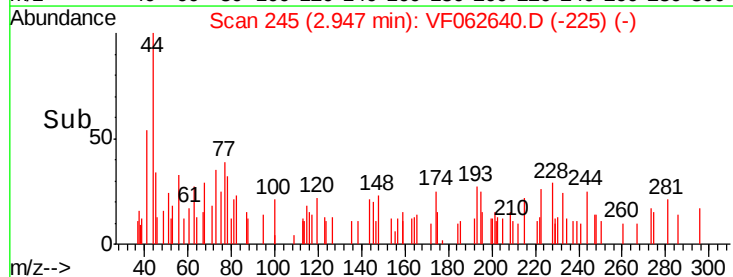
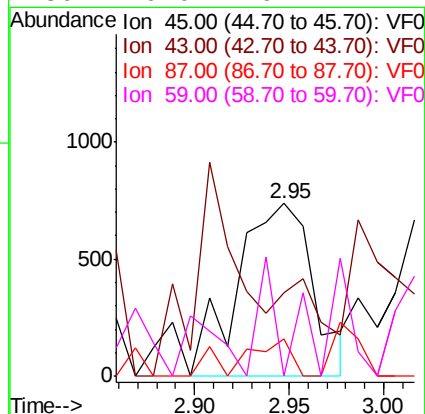
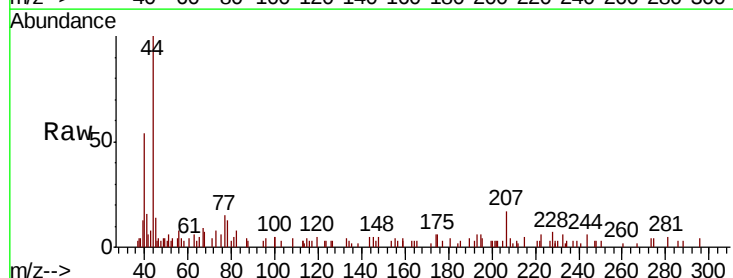
RT: 2.95 min Scan# 245

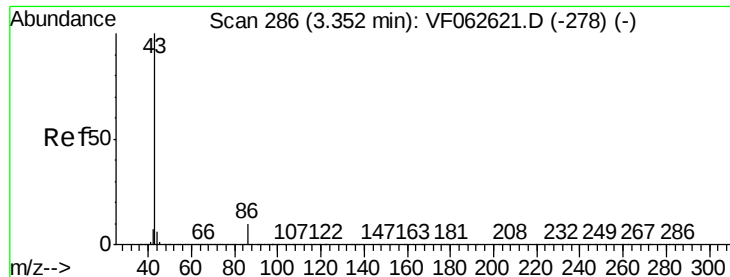
Delta R.T. -0.00 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion:	45	Resp:	2056
Ion	Ratio	Lower	Upper
45	100		
43	48.6	36.4	54.6
87	38.4	19.3	28.9#
59	0.0	9.4	14.2#





#23

Vinyl Acetate

Concen: 1098.167 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

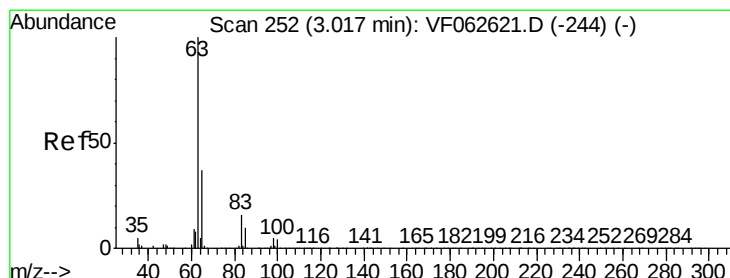
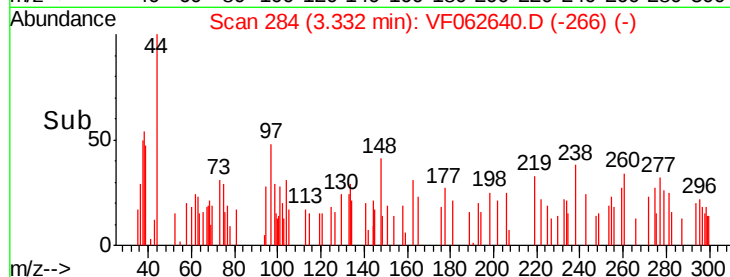
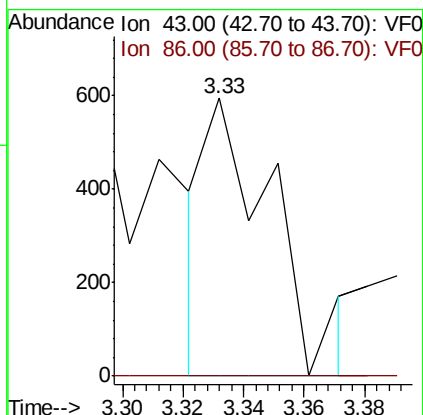
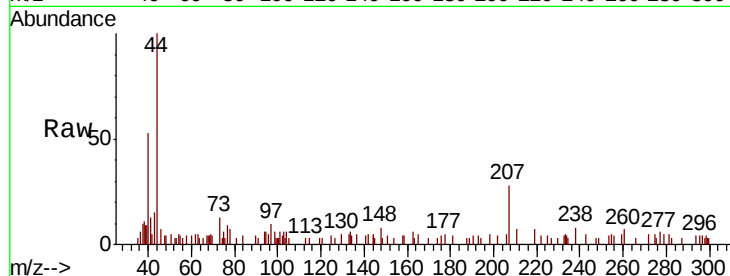
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 921

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 287.263 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

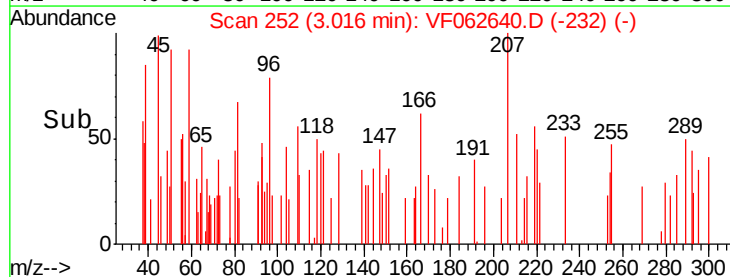
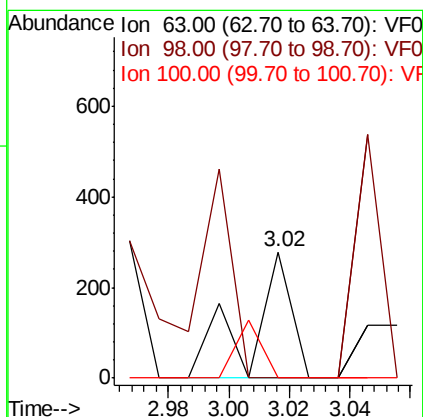
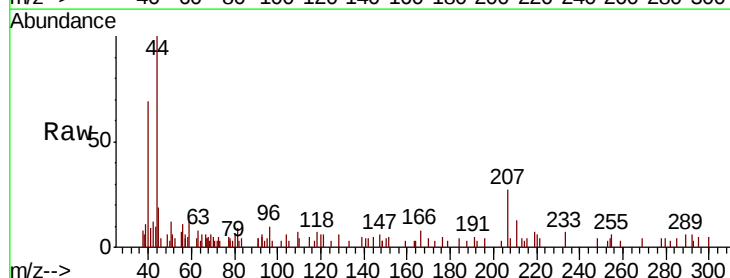
Tgt Ion: 63 Resp: 262

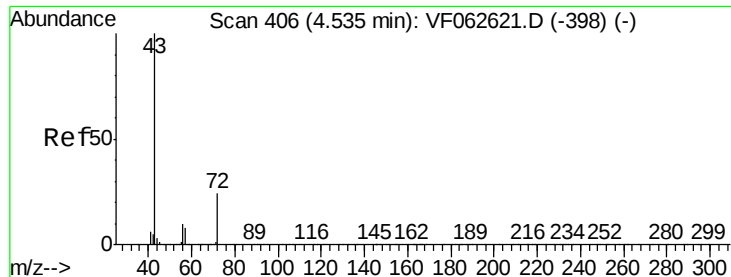
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.9 5.7#

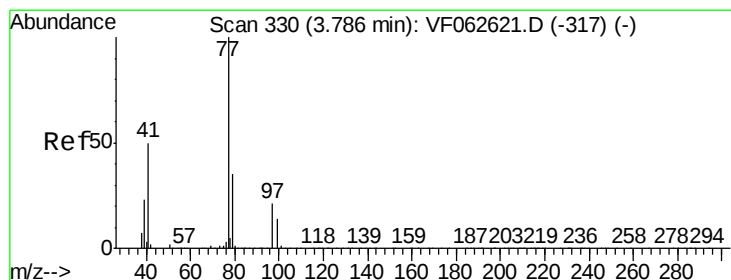
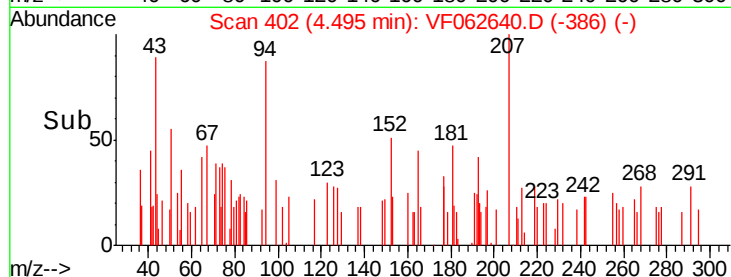
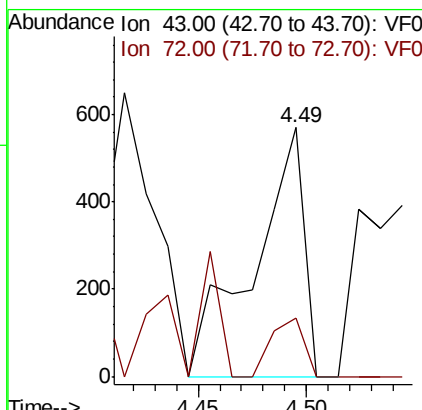
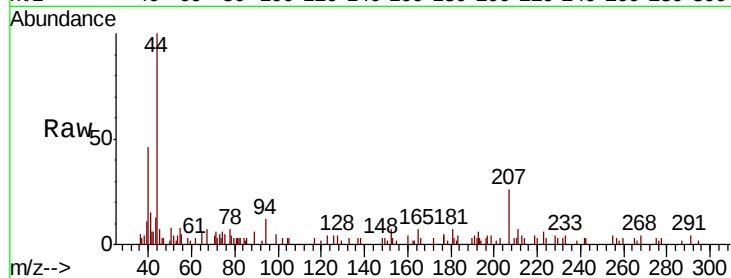




#25
2-Butanone
Concen: 3772.022 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

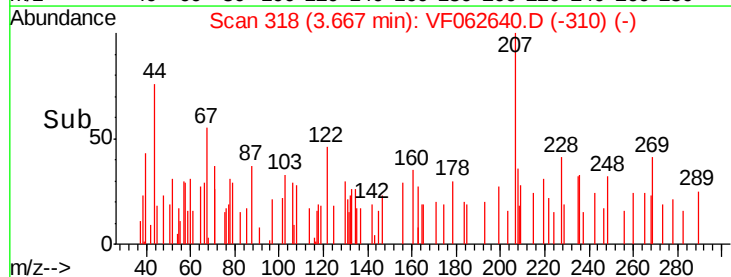
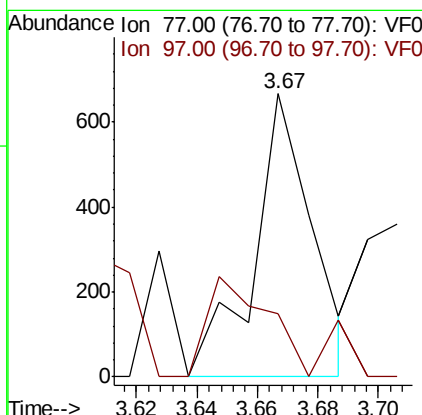
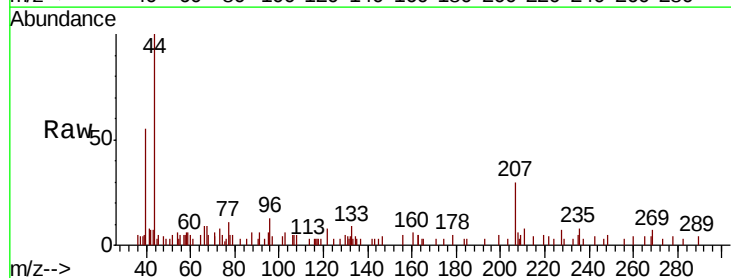
Instrument :
MSVOA_F
ClientSampled :

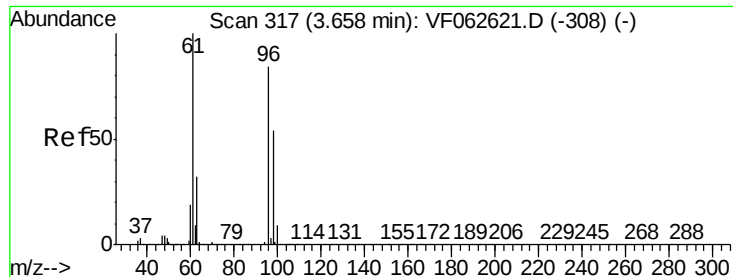
Tot Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
72 23.5 20.1 30.1



#26
2,2-Dichloropropane
Concen: 1693.989 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.12 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 77 Resp: 884
Ion Ratio Lower Upper
77 100
97 22.3 14.1 42.4



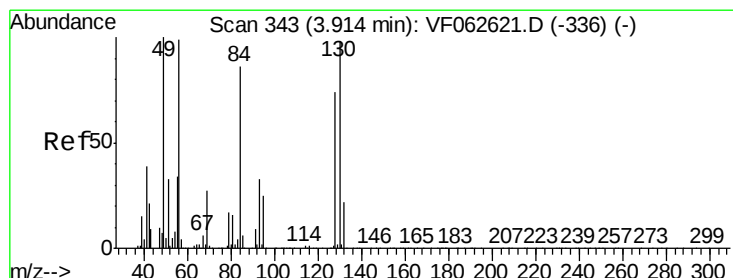
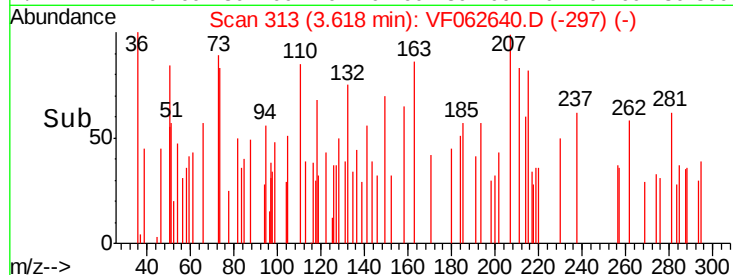
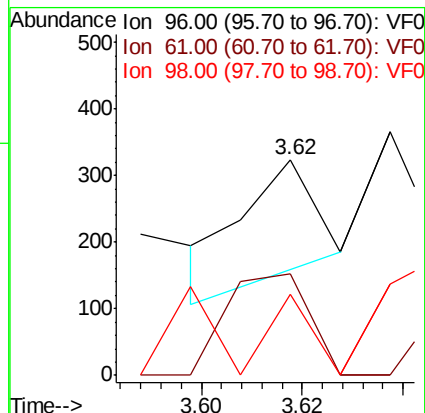
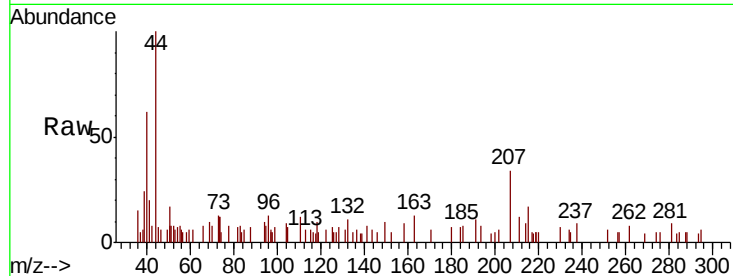


#27

cis-1,2-Dichloroethene
Concen: 201.013 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampled :

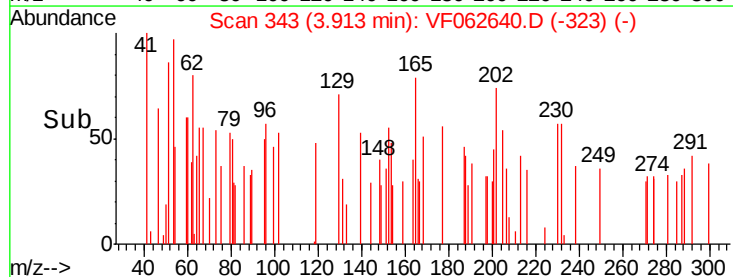
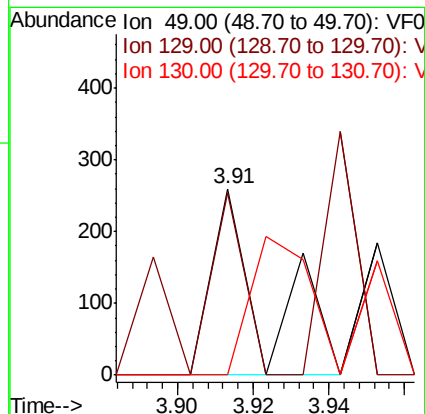
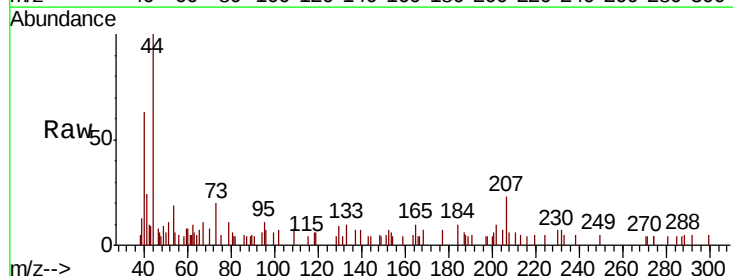
Tot Ion	Ratio	Lower	Upper
96	100		
61	35.3	0.0	237.4
98	67.1	0.0	129.0

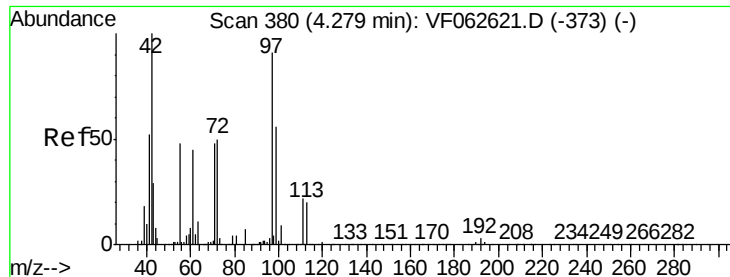


#28

Bromochloromethane
Concen: 496.556 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	97.7	0.0	4.0#
130	0.0	77.8	116.8#





#29

Tetrahydrofuran

Concen: 18490.026 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.05 min

Lab File: VF062640.D

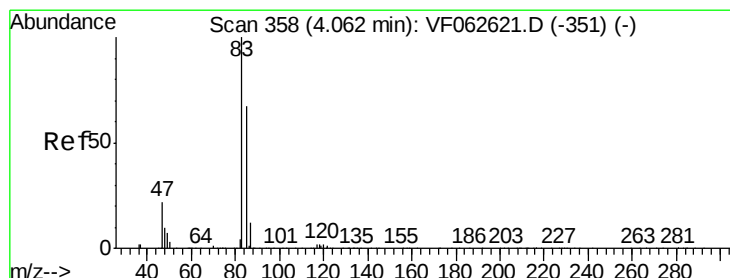
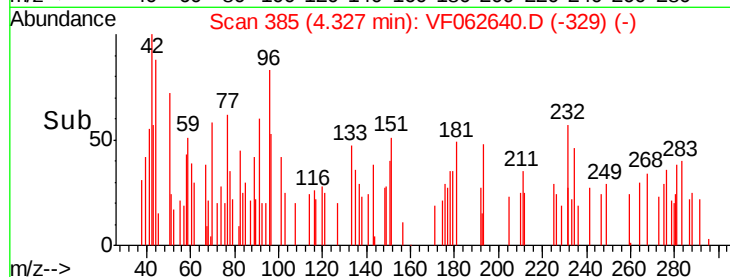
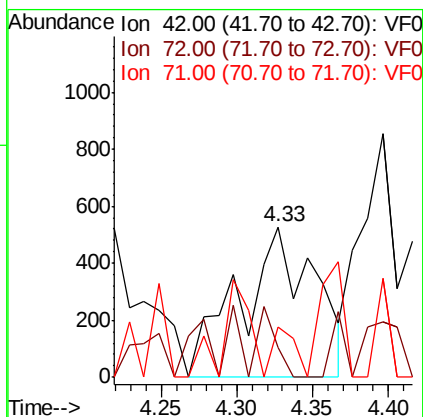
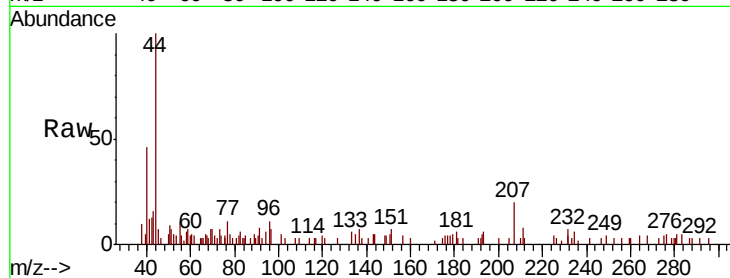
Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	42	Resp:	1817
Ion Ratio	Lower	Upper	
42	100		
72	0.0	38.2	57.2#
71	0.0	35.8	53.6#



#30

Chloroform

Concen: 249.546 ug/l

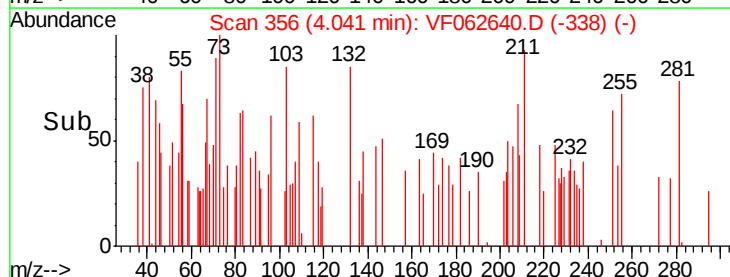
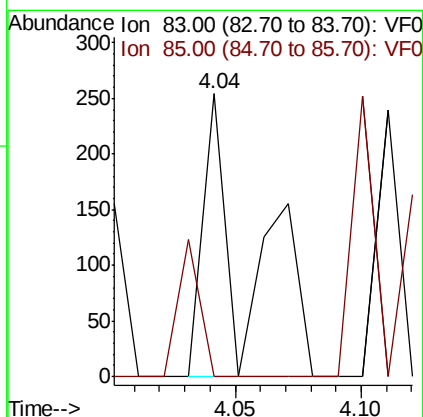
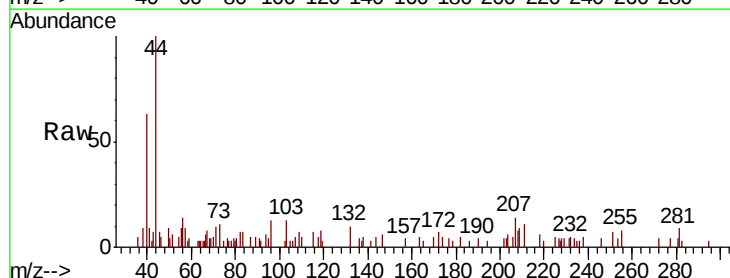
RT: 4.04 min Scan# 356

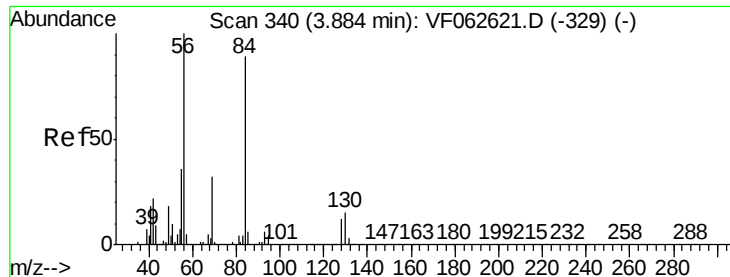
Delta R.T. -0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion:	83	Resp:	316
Ion Ratio	Lower	Upper	
83	100		
85	0.0	53.6	80.4#





#31

Cvclohexane

Concen: 274.371 ug/l

RT: 3.89 min Scan# 341

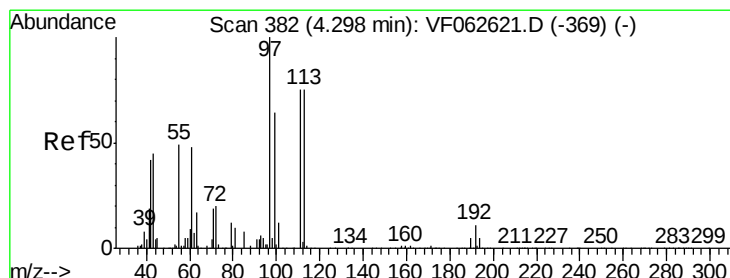
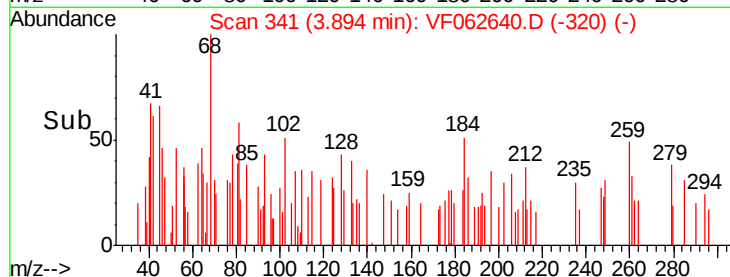
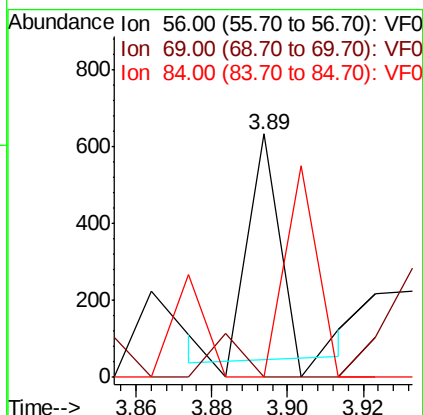
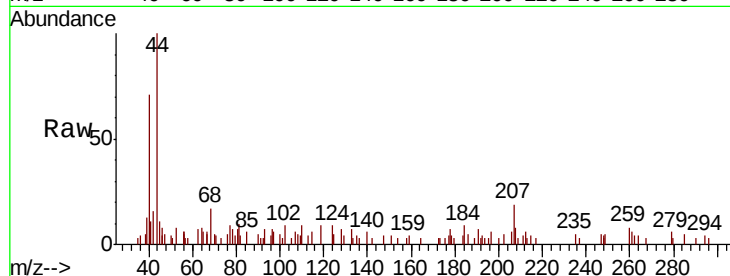
Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	56	Resp:	336
Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.3	37.9#
84	0.0	71.0	106.4#



#32

1,1,1-Trichloroethane

Concen: 475.637 ug/l

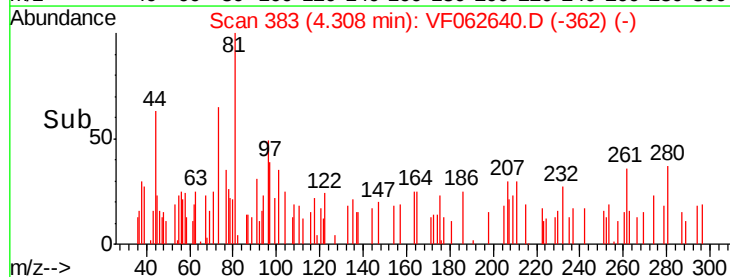
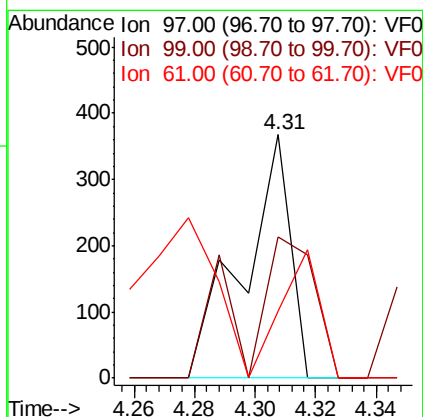
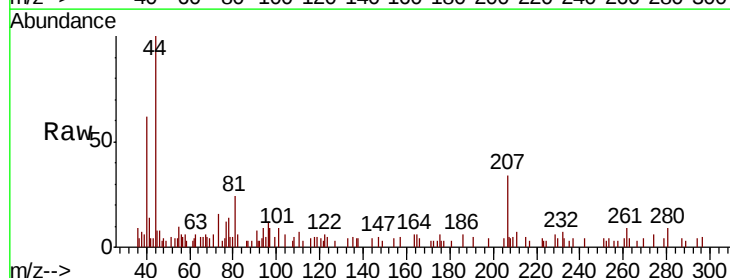
RT: 4.31 min Scan# 383

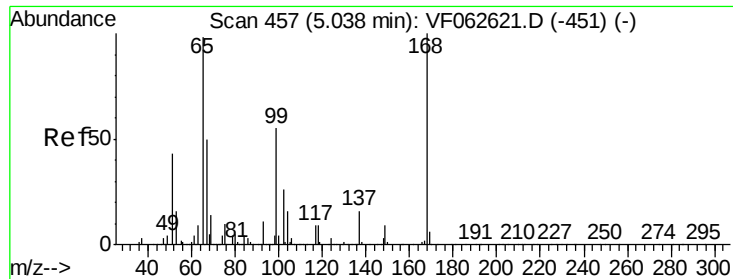
Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion:	97	Resp:	400
Ion	Ratio	Lower	Upper
97	100		
99	57.9	51.3	76.9
61	27.4	38.2	57.2#

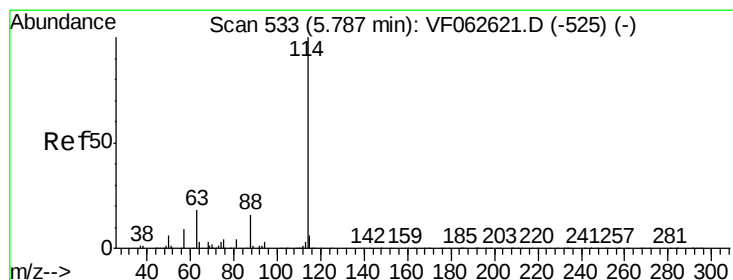
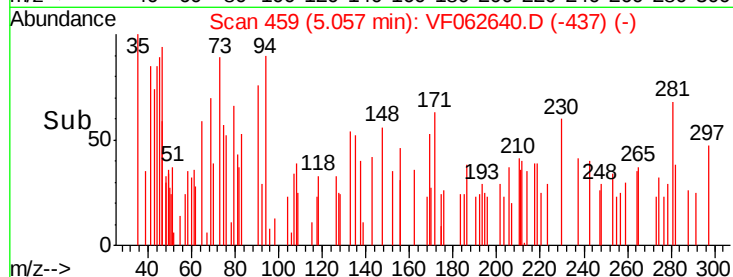
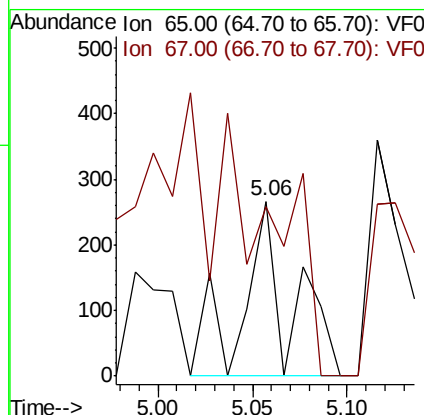
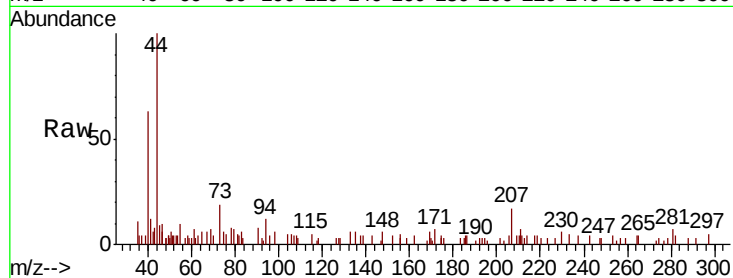




#33
 1,2-Dichloroethane-d4
 Concen: 1081.889 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

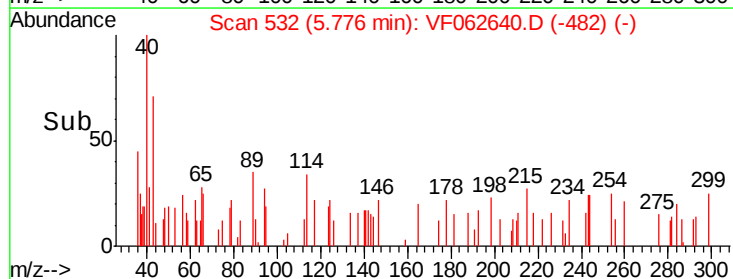
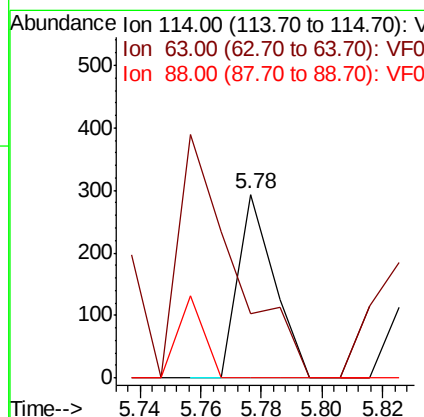
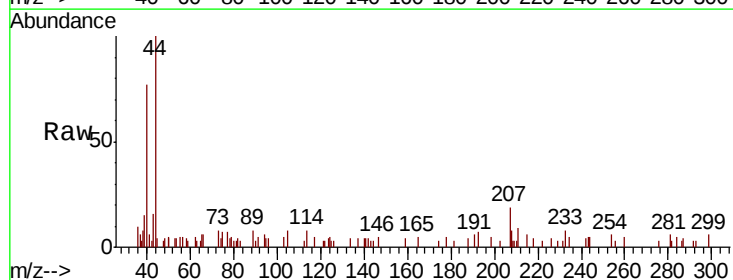
Instrument :
 MSVOA_F
 ClientSampled :

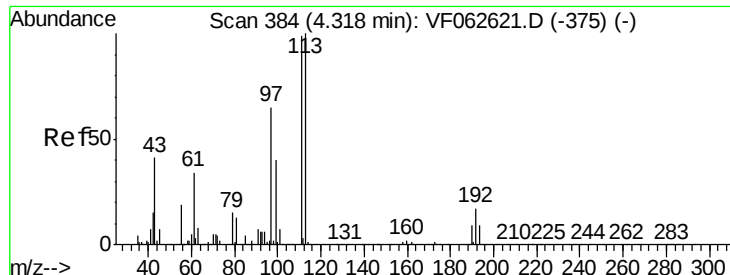
Tot Ion: 65 Resp: 474
 Ion Ratio Lower Upper
 65 100
 67 97.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion: 114 Resp: 248
 Ion Ratio Lower Upper
 114 100
 63 34.7 0.0 35.4
 88 0.0 0.0 32.4

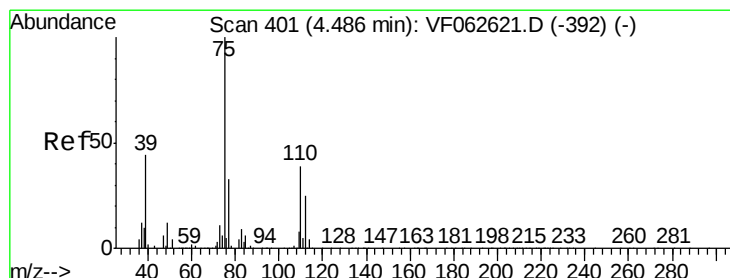
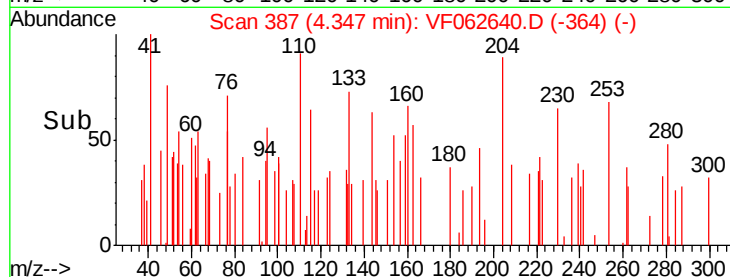
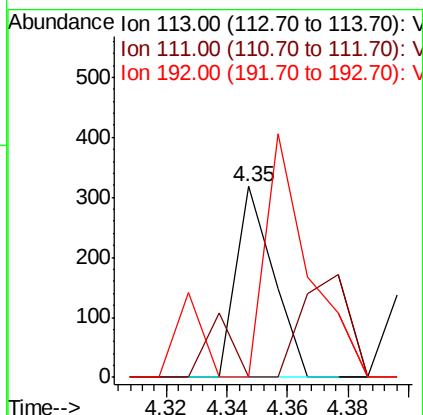
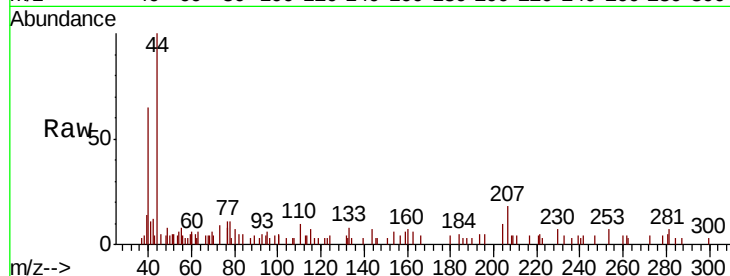




#35
 Dibromofluoromethane
 Concen: 145.439 ug/l
 RT: 4.35 min Scan# 387
 Delta R.T. 0.03 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

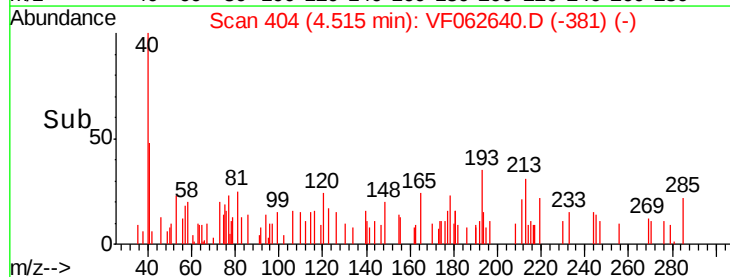
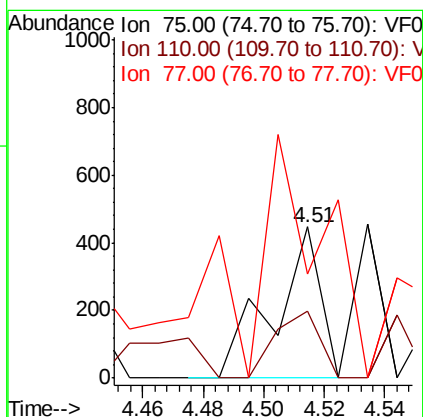
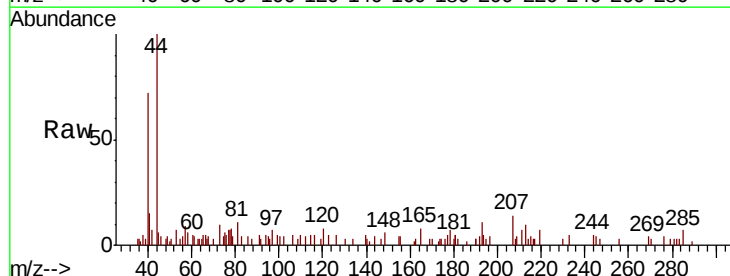
Instrument :
 MSVOA_F
 ClientSampled :

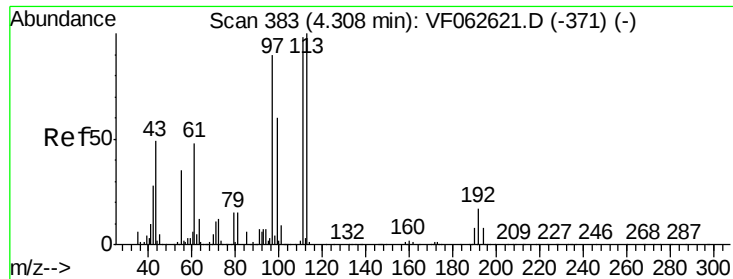
Tot Ion:113 Resp: 276
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.4 119.2#
 192 0.0 13.4 20.2#



#36
 1,1-Dichloropropene
 Concen: 187.704 ug/l
 RT: 4.51 min Scan# 404
 Delta R.T. 0.03 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion: 75 Resp: 477
 Ion Ratio Lower Upper
 75 100
 110 44.2 19.7 59.1
 77 69.1 26.3 39.5#

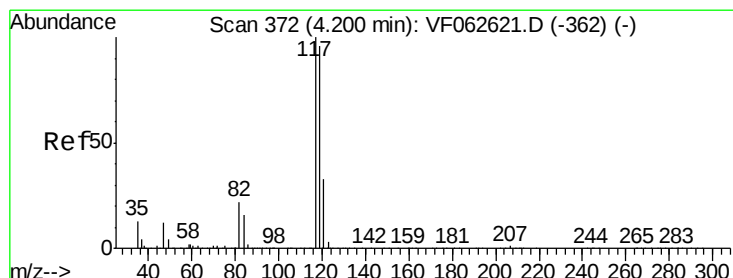
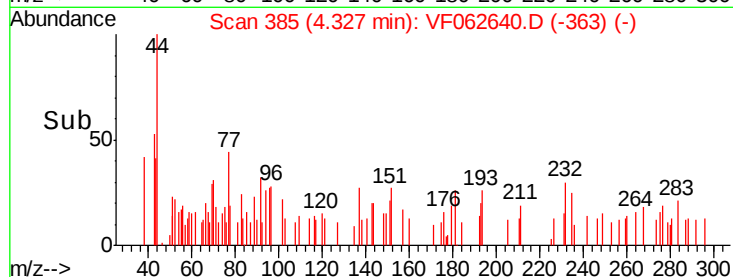
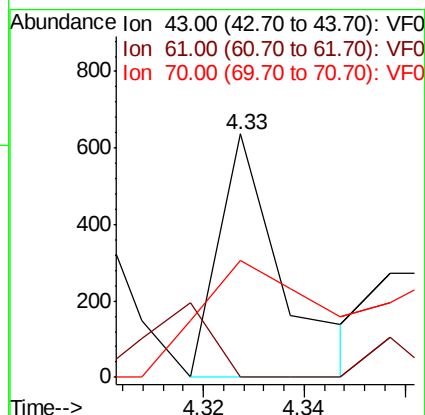
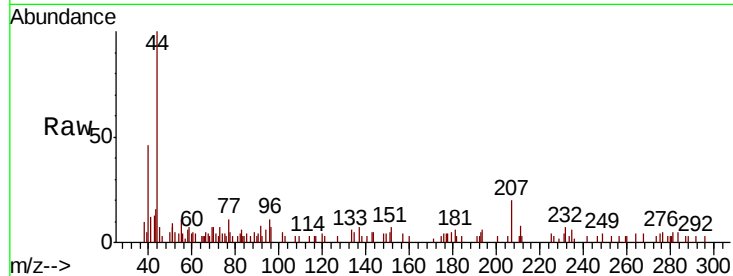




#37
Ethyl Acetate
Concen: 535.857 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

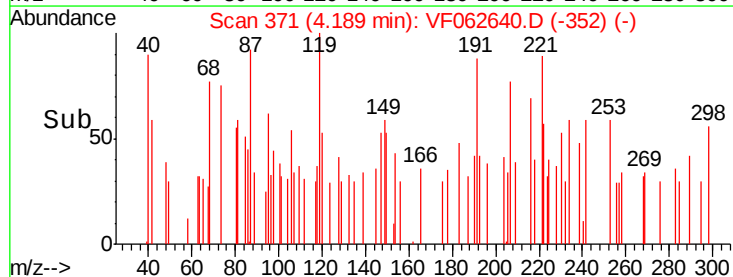
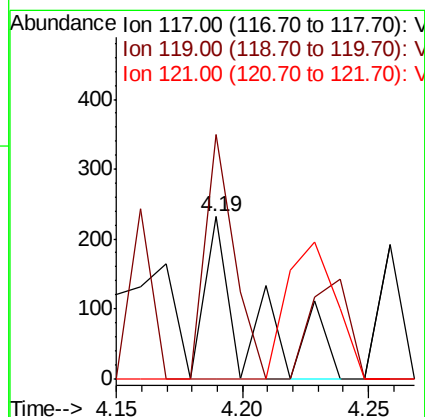
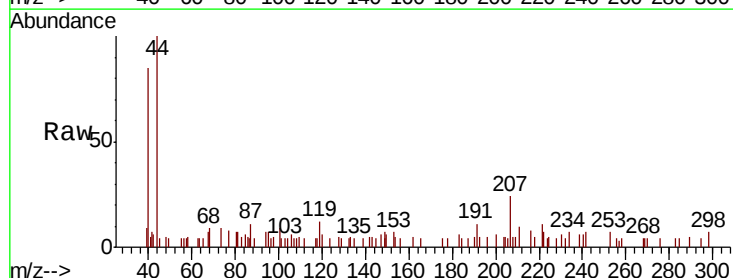
Instrument :
MSVOA_F
ClientSampled :

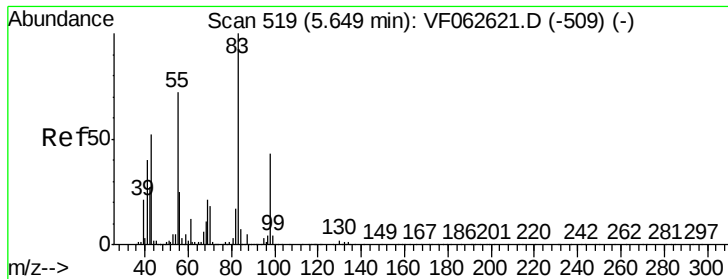
Tot Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
61 0.0 76.9 115.3#
70 48.2 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 147.551 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 117 Resp: 282
Ion Ratio Lower Upper
117 100
119 150.4 76.7 115.1#
121 0.0 26.6 40.0#

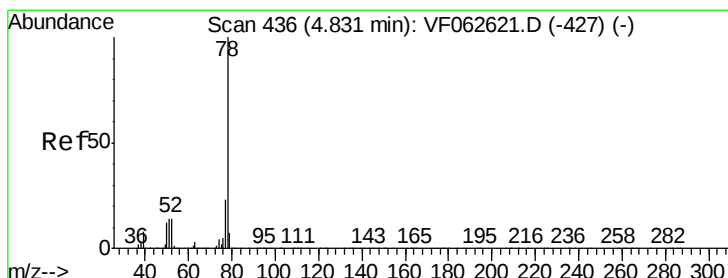
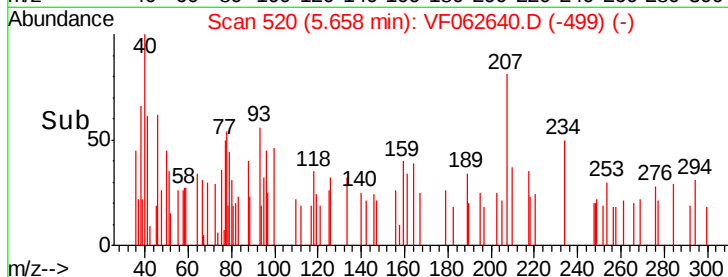
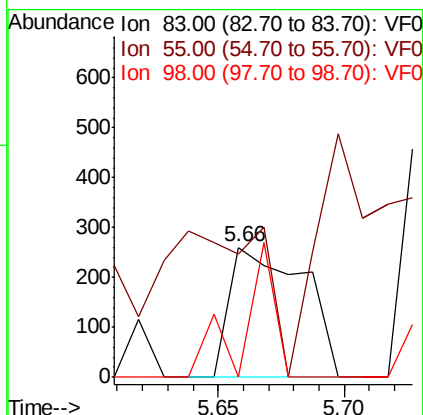
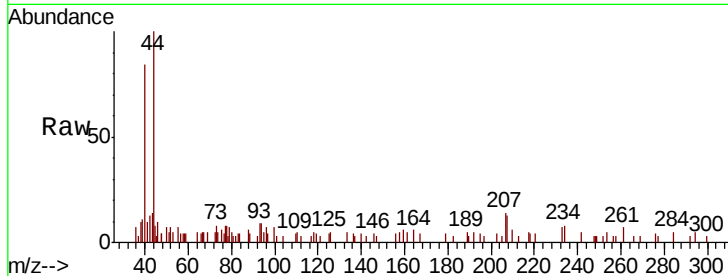




#39
Methylcyclohexane
Concen: 174.639 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

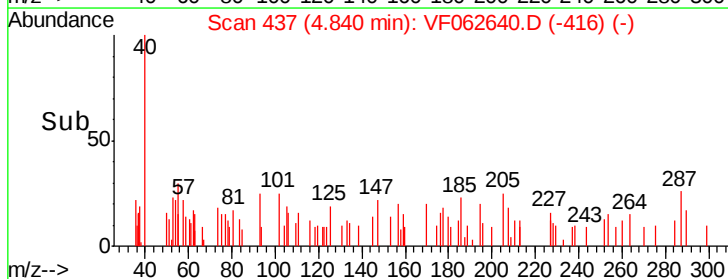
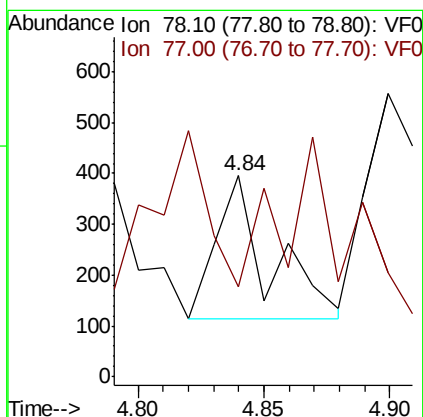
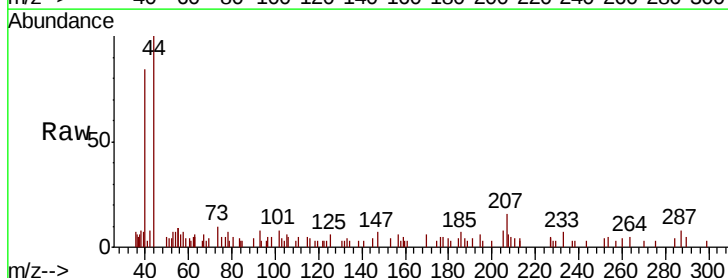
Instrument :
MSVOA_F
ClientSampled :

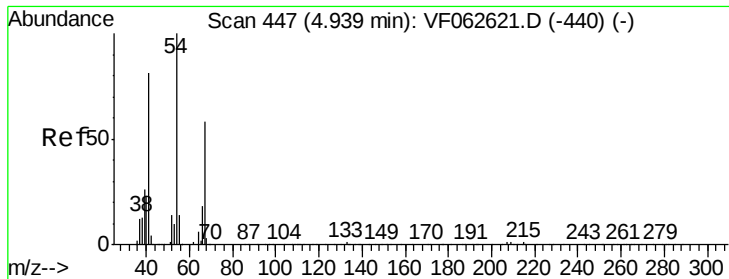
Tot Ion	Ratio	Lower	Upper
83	100		
55	95.0	57.9	86.9#
98	0.0	34.6	52.0#



#40
Benzene
Concen: 59.945 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	44.6	18.2	27.2#

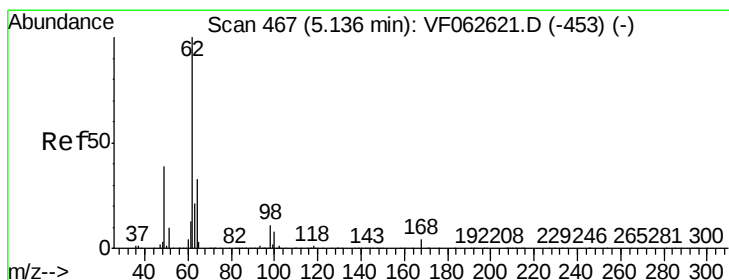
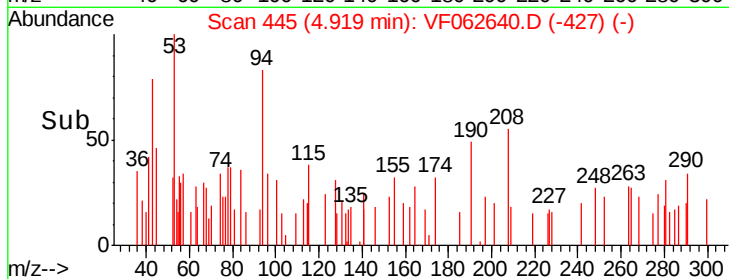
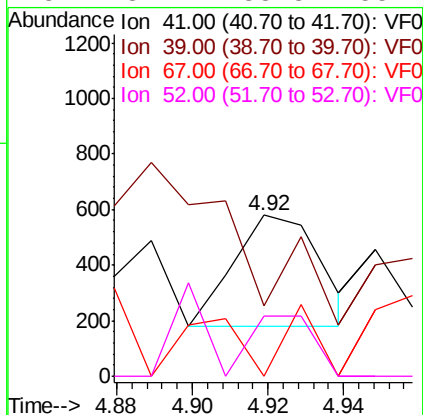
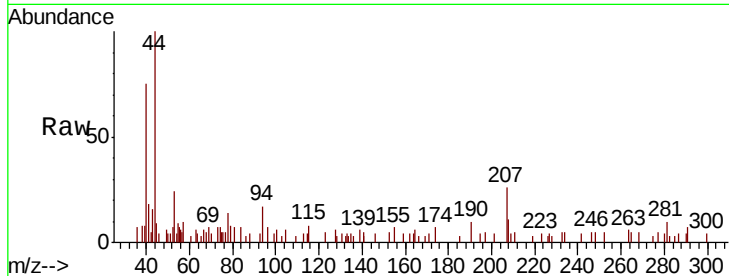




#41
Methacrylonitrile
Concen: 1150.778 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

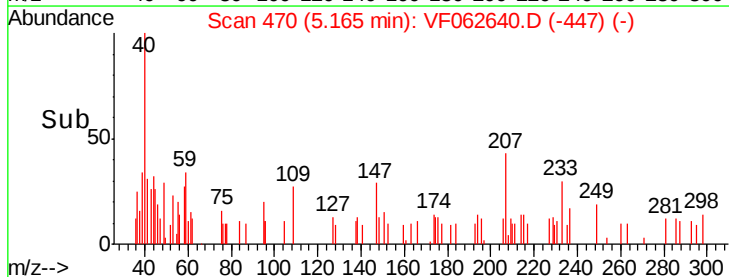
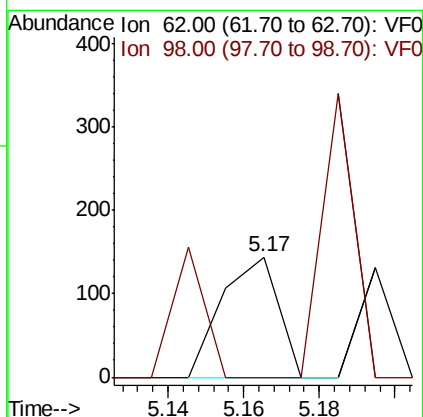
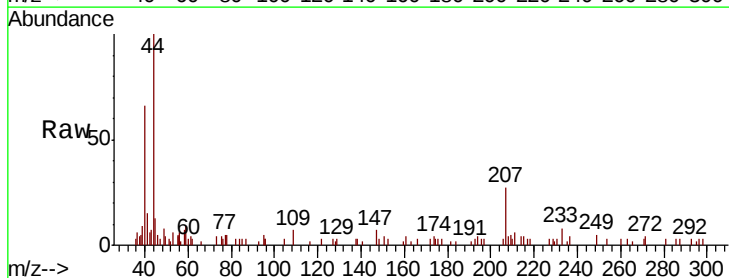
Instrument :
MSVOA_F
ClientSampled :

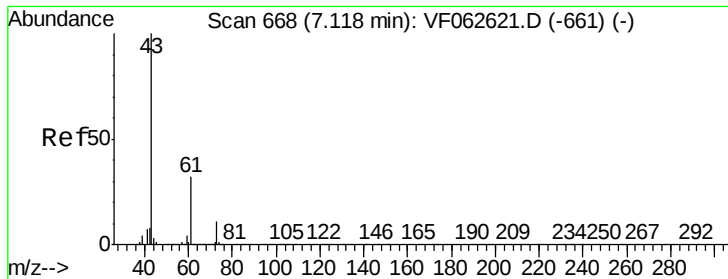
Tot Ion:	41	Resp:	626
Ion	Ratio	Lower	Upper
41	100		
39	43.6	42.2	63.2
67	0.0	56.4	84.6#
52	37.4	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 107.203 ug/l
RT: 5.17 min Scan# 470
Delta R.T. 0.03 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion:	62	Resp:	148
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



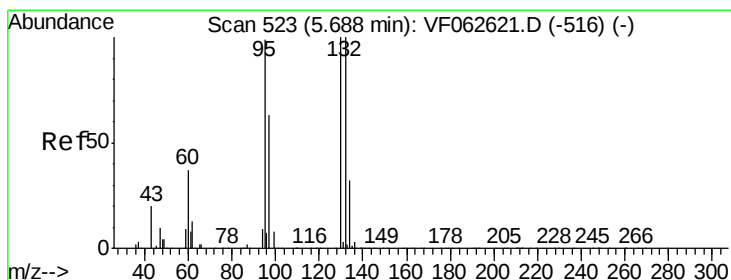
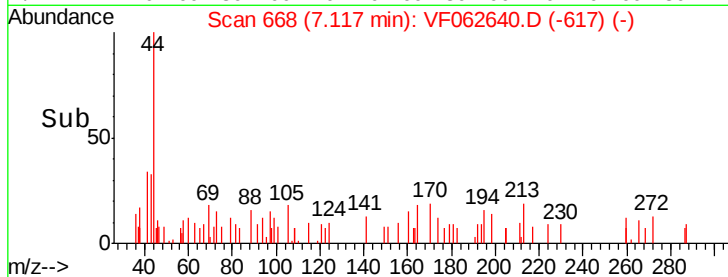
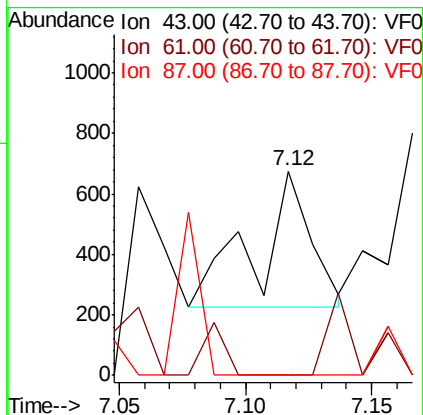
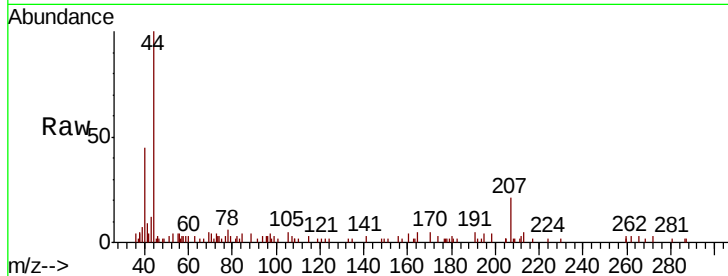


#43

Isopropyl Acetate
 Concen: 505.119 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Instrument :
 MSVOA_F
 ClientSampled :

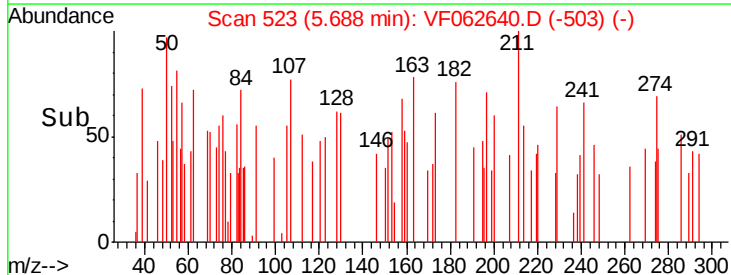
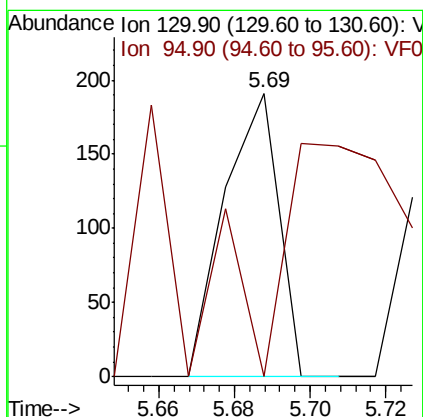
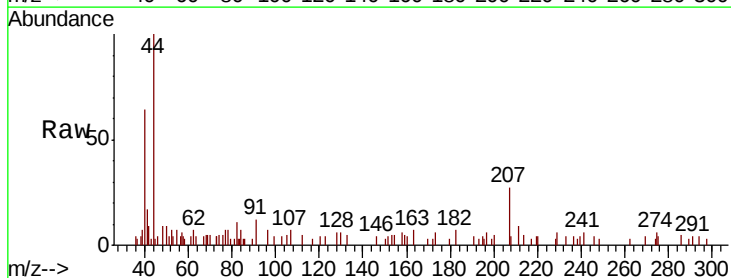
Tot Ion: 43 Resp: 679
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.8 38.8#
 87 0.0 0.4 0.6#

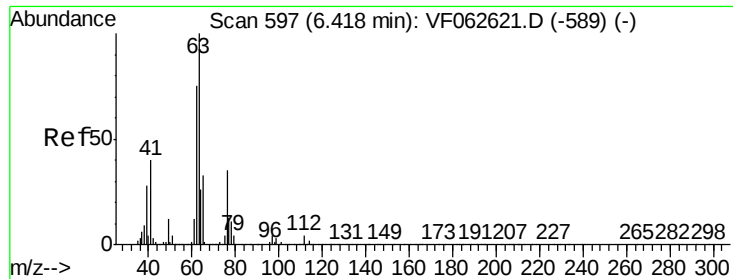


#44

Trichloroethene
 Concen: 97.135 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion: 130 Resp: 189
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 387.385 ug/l

RT: 6.38 min Scan# 593

Delta R.T. -0.04 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

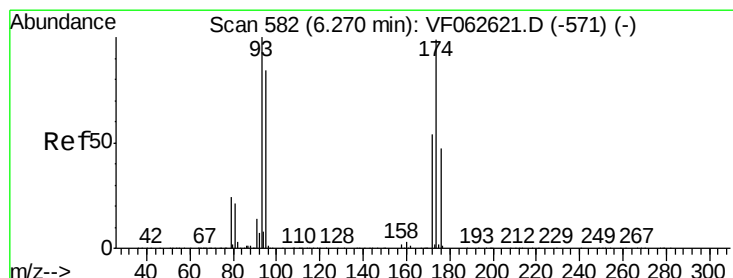
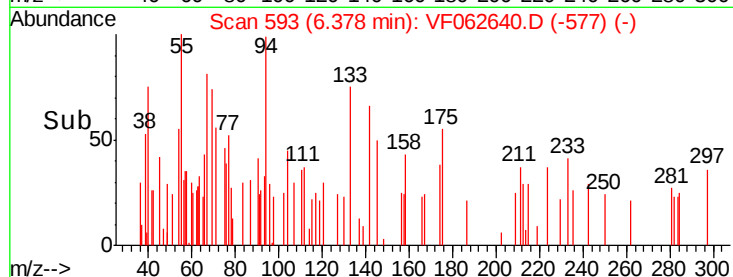
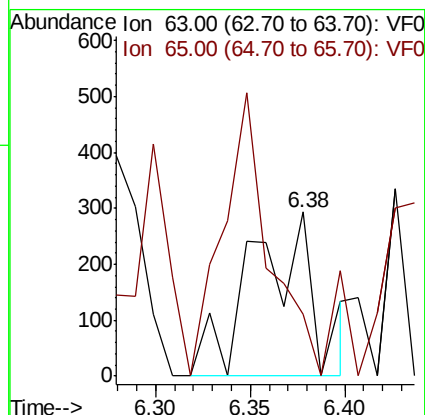
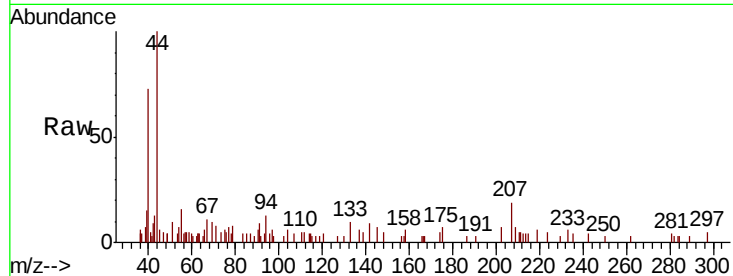
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 677

Ion Ratio Lower Upper

63 100

65 37.5 26.3 39.5



#46

Dibromomethane

Concen: 246.536 ug/l

RT: 6.18 min Scan# 573

Delta R.T. -0.09 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

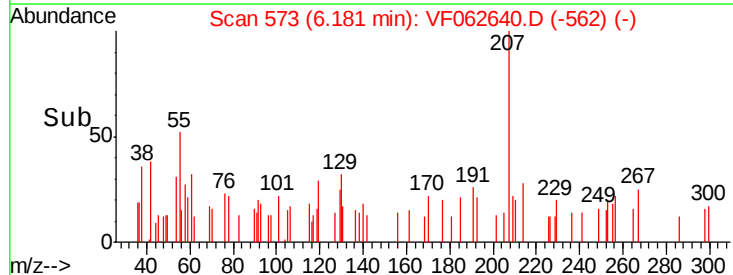
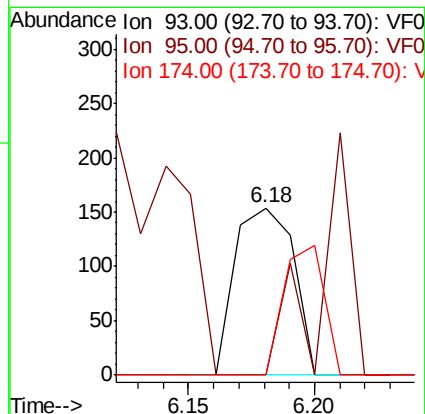
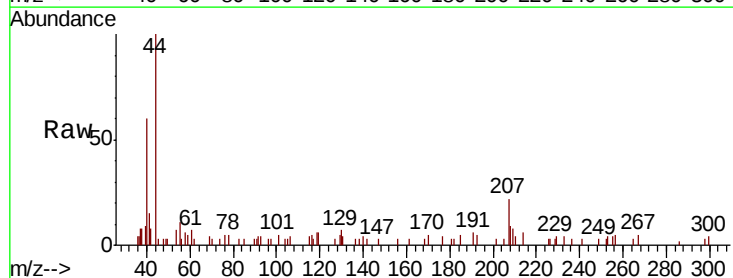
Tgt Ion: 93 Resp: 249

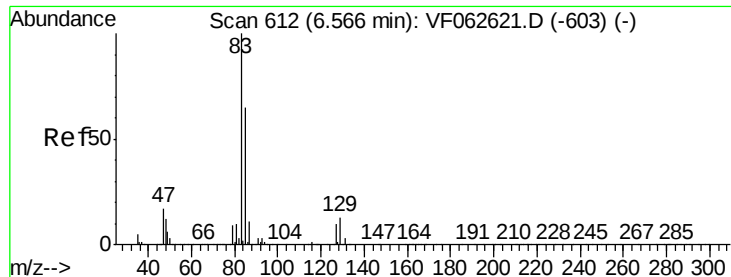
Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 54.847 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

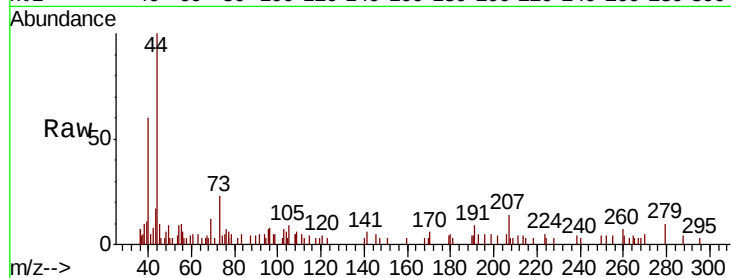
Tot Ion: 83 Resp: 115

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

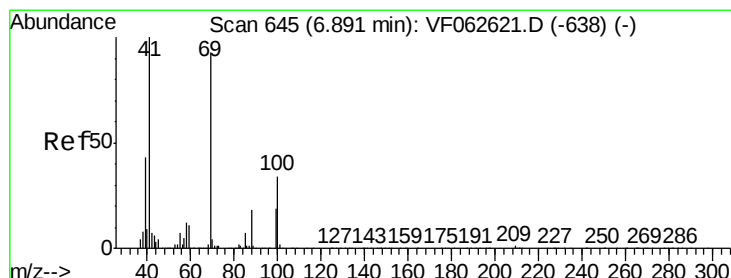
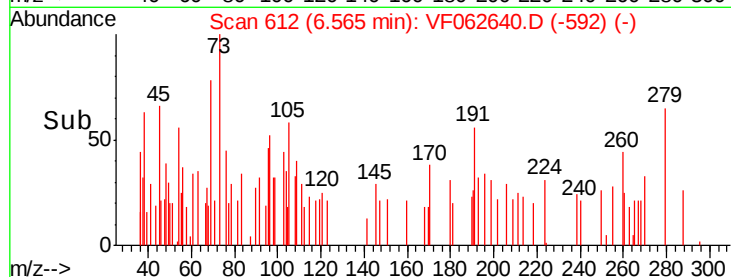
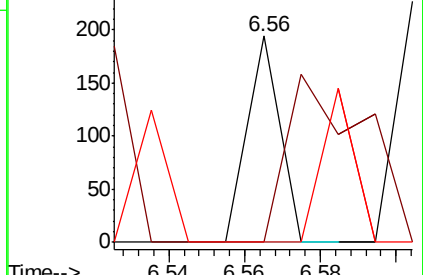
127 0.0 7.7 11.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 1377.721 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

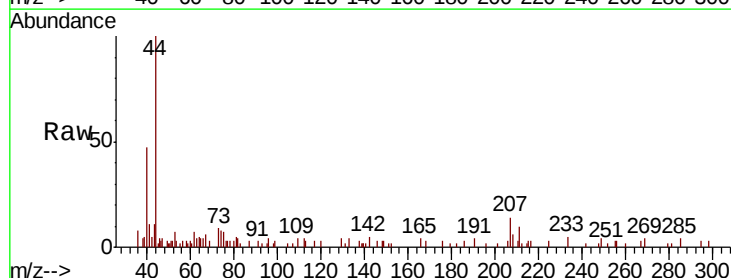
Tgt Ion: 41 Resp: 968

Ion Ratio Lower Upper

41 100

69 31.4 74.2 111.2#

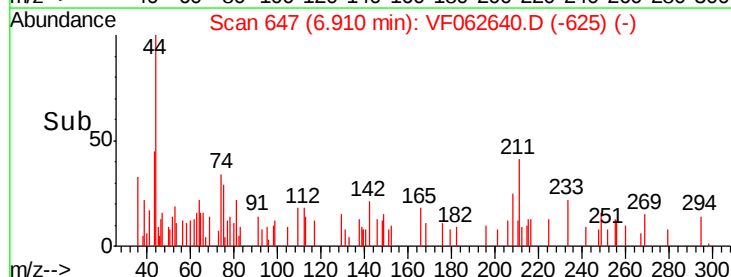
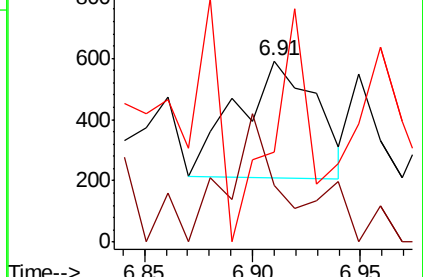
39 49.5 34.2 51.4

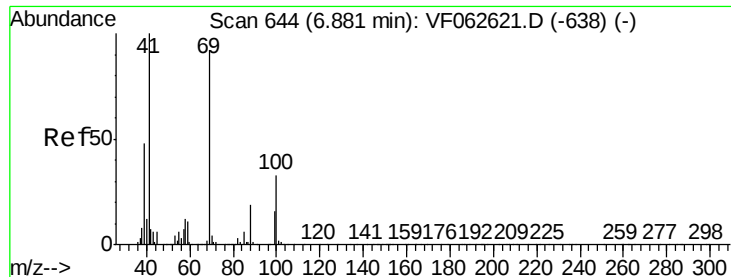


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

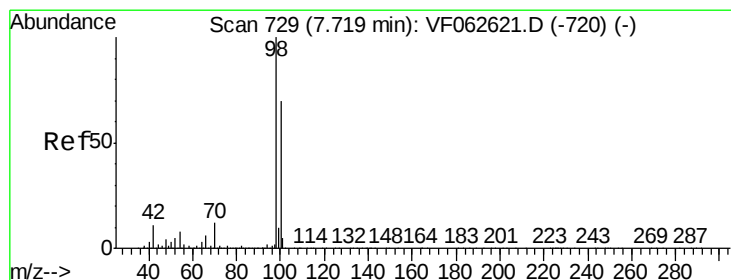
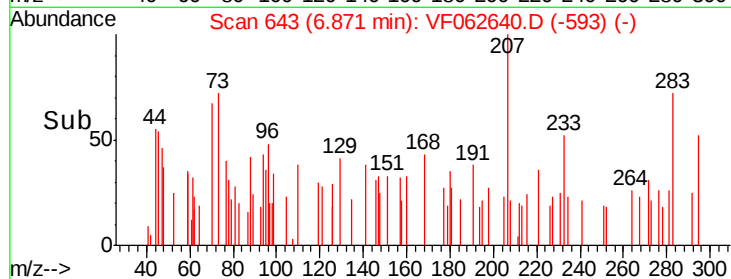
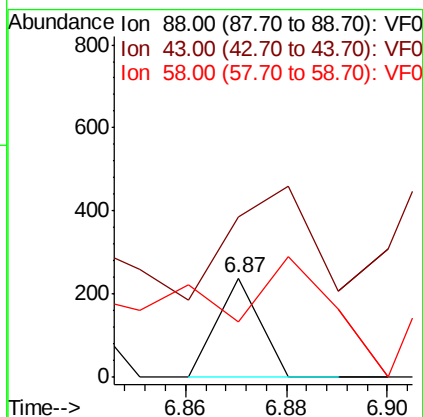
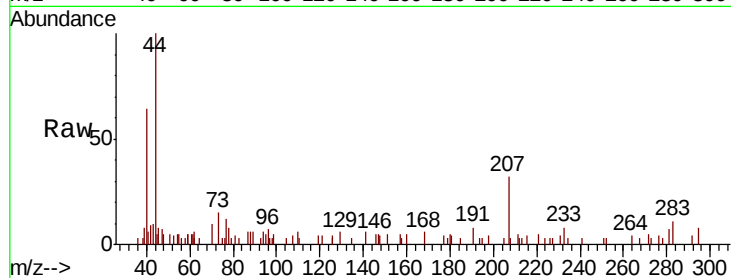




#49
1,4-Dioxane
Concen: 15668.454 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

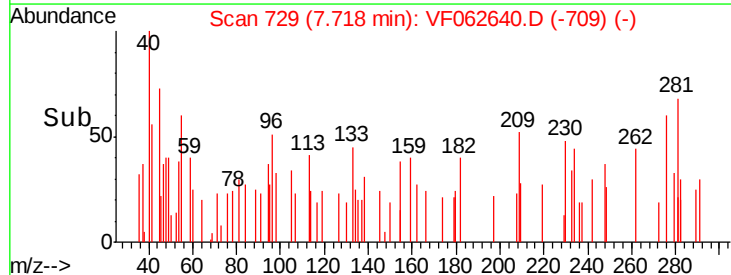
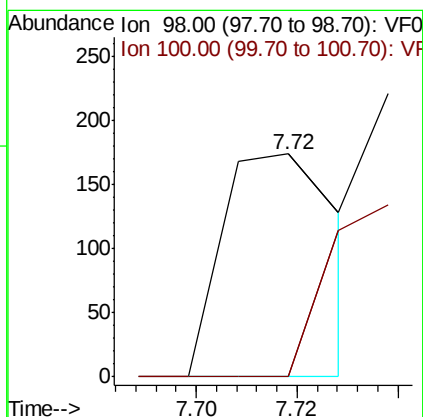
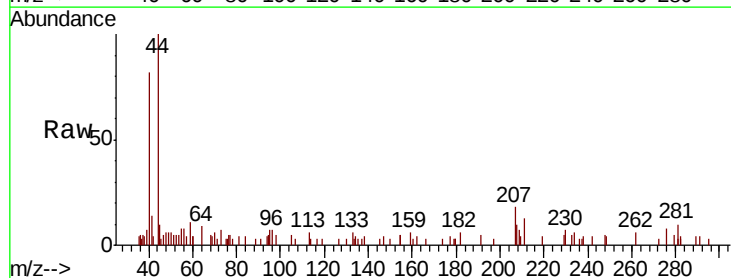
Instrument :
MSVOA_F
ClientSampleId :

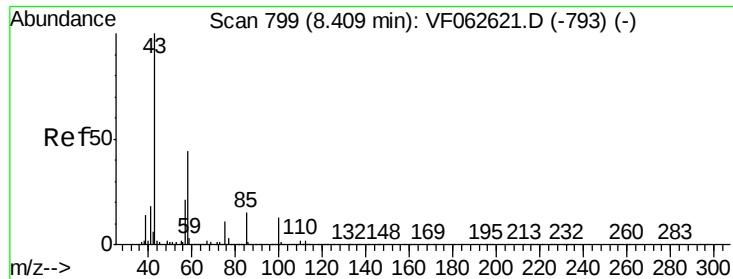
Tot Ion: 88 Resp: 141
Ion Ratio Lower Upper
88 100
43 161.8 30.0 45.0#
58 55.9 51.1 76.7



#50
Toluene-d8
Concen: 61.355 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 98 Resp: 278
Ion Ratio Lower Upper
98 100
100 0.0 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 766.185 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.03 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

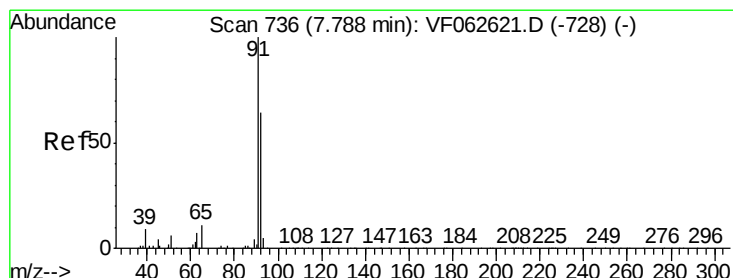
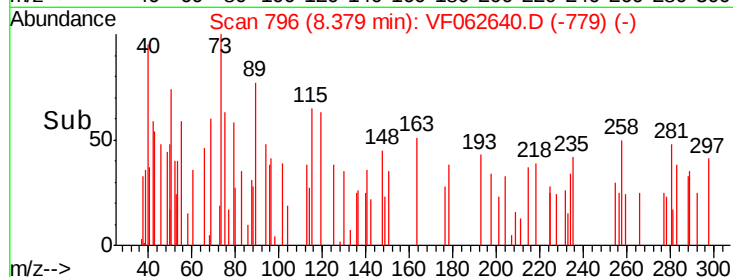
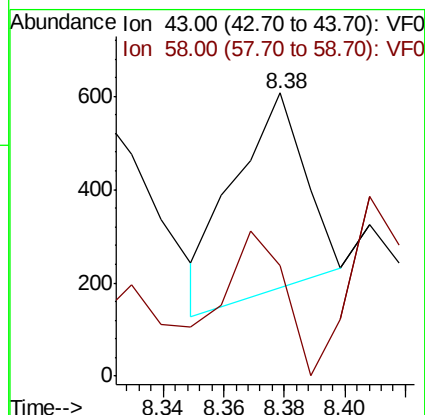
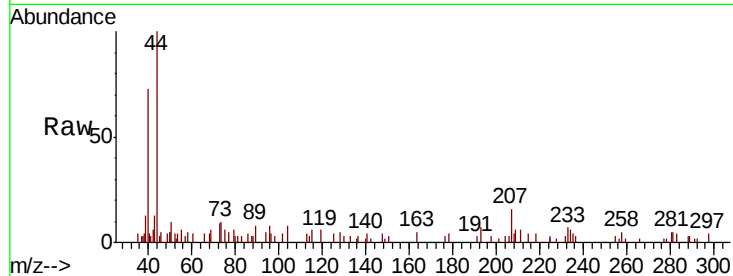
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 39.0 34.9 52.3



#52

Toluene

Concen: 98.327 ug/l

RT: 7.64 min Scan# 721

Delta R.T. -0.15 min

Lab File: VF062640.D

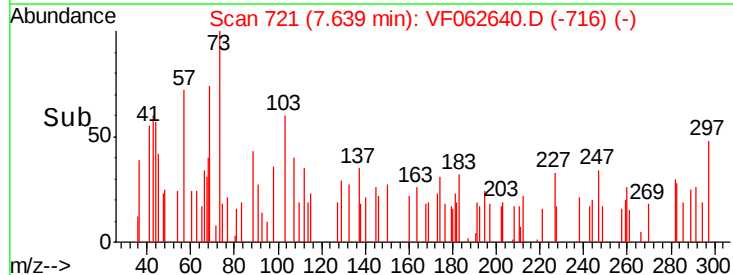
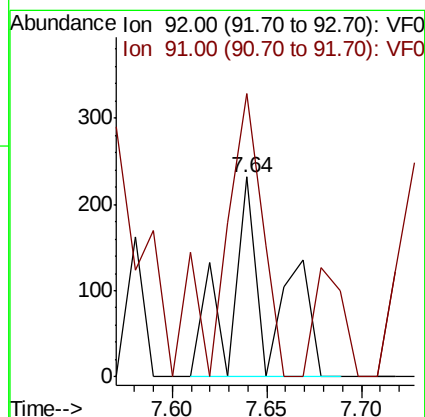
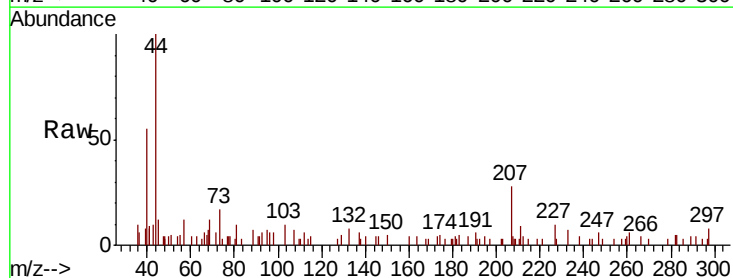
Acq: 17 May 2019 16:03

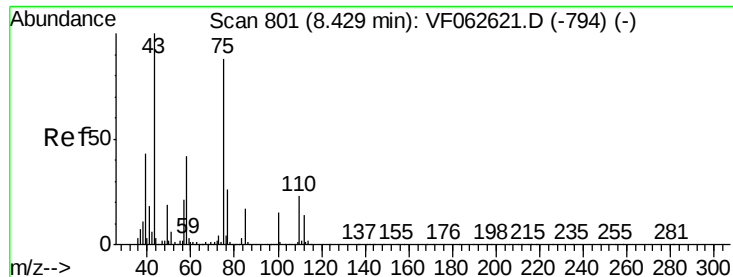
Tgt Ion: 92 Resp: 357

Ion Ratio Lower Upper

92 100

91 141.4 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 174.304 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

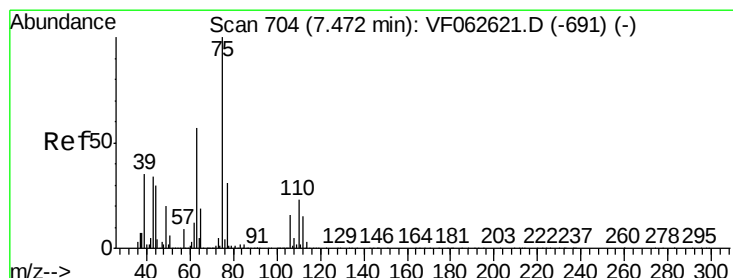
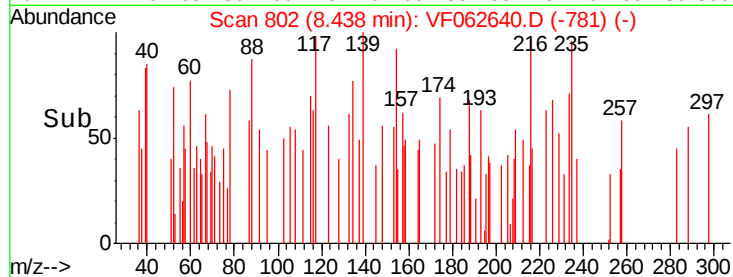
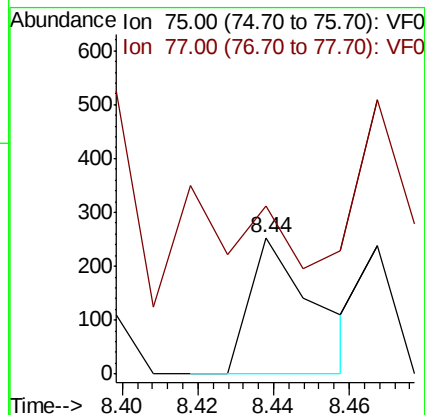
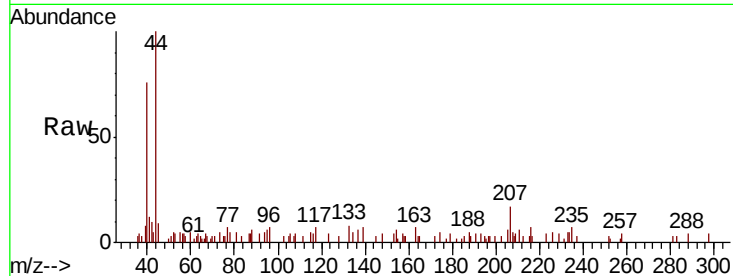
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 299

Ion Ratio Lower Upper

75 100

77 122.9 24.2 36.4#



#54

cis-1,3-Dichloropropene

Concen: 267.359 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.06 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

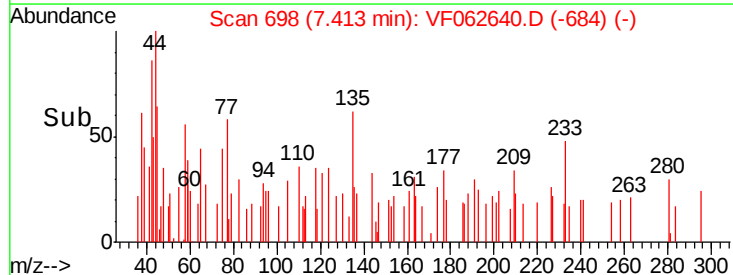
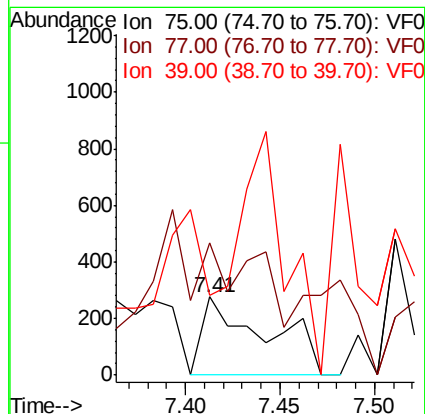
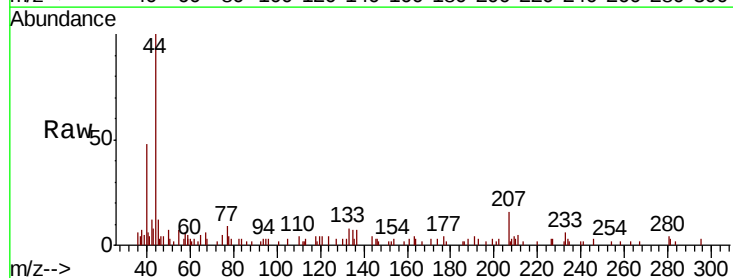
Tgt Ion: 75 Resp: 642

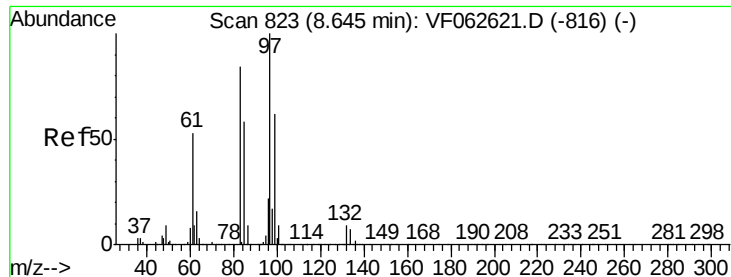
Ion Ratio Lower Upper

75 100

77 168.8 25.3 37.9#

39 101.4 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 121.859 ug/l

RT: 8.62 min Scan# 820

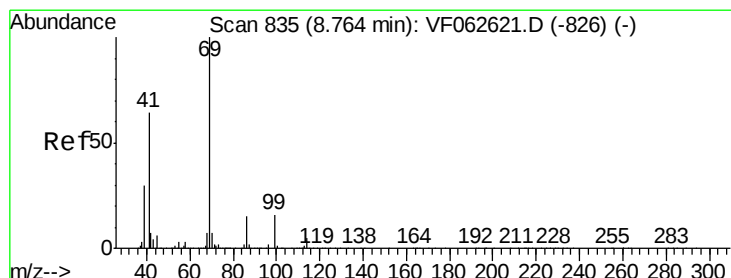
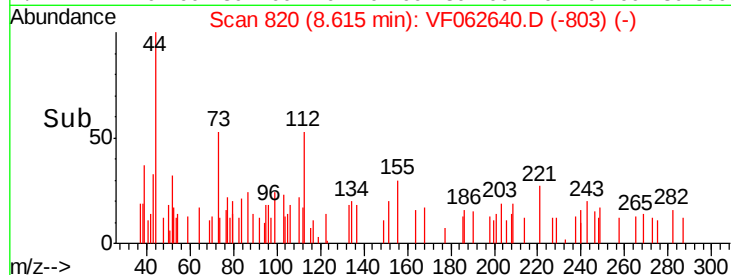
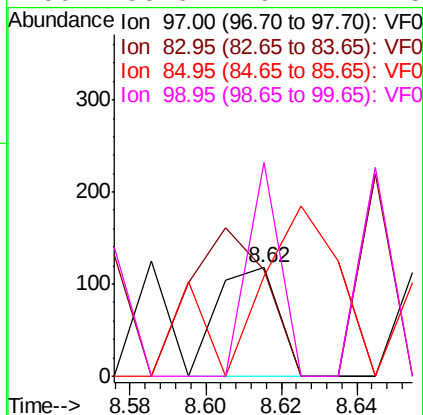
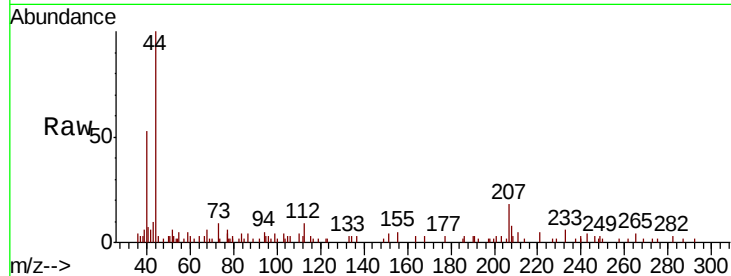
Delta R.T. -0.03 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	131
Ion	Ratio	Lower	Upper
97	100		
83	98.3	67.3	100.9
85	91.5	46.6	69.8#
99	196.6	49.7	74.5#



#56

Ethyl methacrylate

Concen: 338.865 ug/l

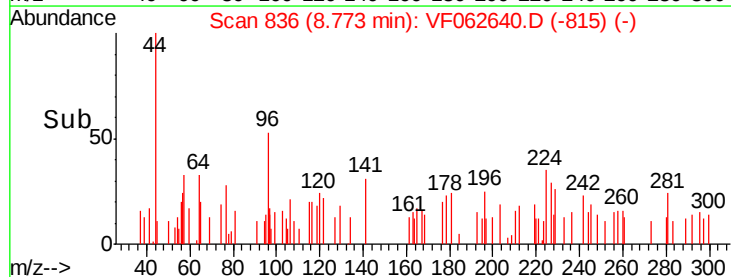
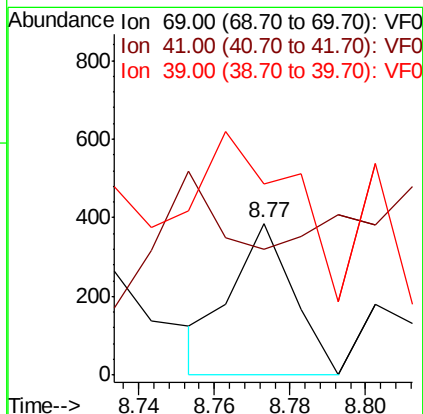
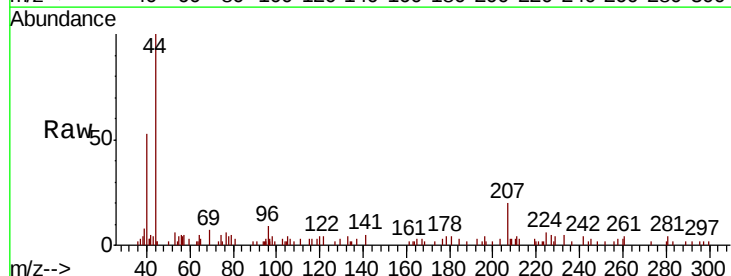
RT: 8.77 min Scan# 836

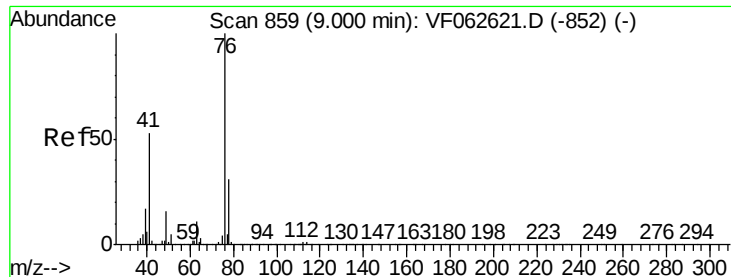
Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion:	69	Resp:	434
Ion	Ratio	Lower	Upper
69	100		
41	83.2	51.4	77.2#
39	125.6	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 129.432 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

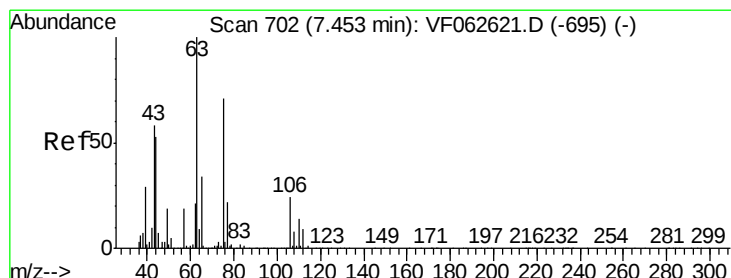
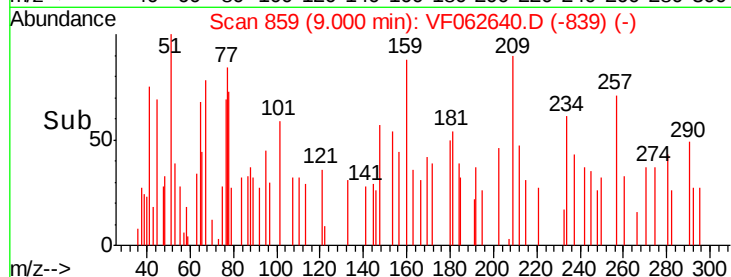
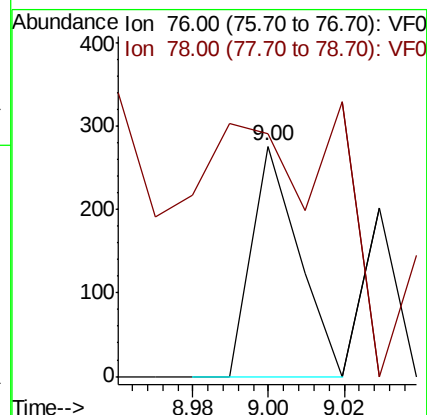
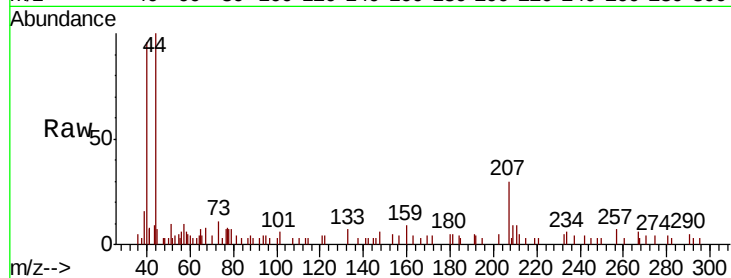
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 237

Ion Ratio Lower Upper

76 100

78 105.8 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 801.184 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF062640.D

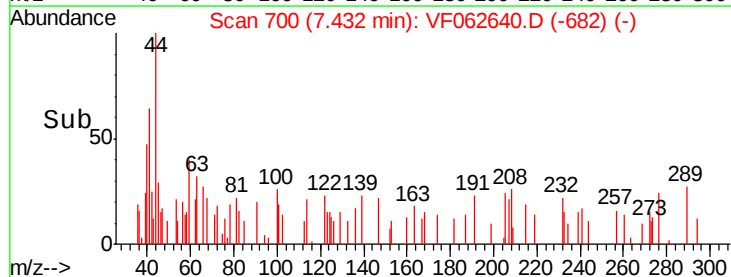
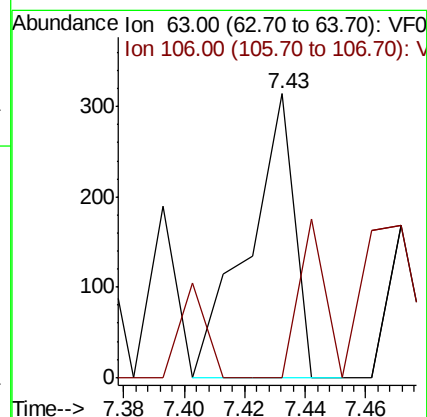
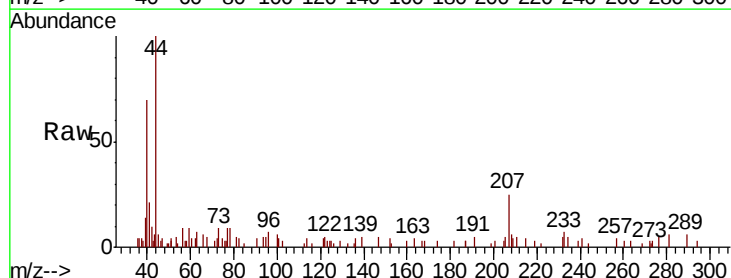
Acq: 17 May 2019 16:03

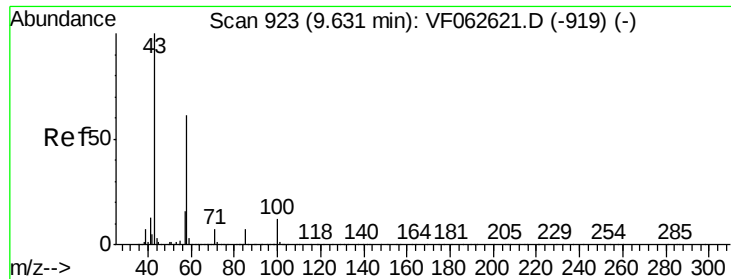
Tgt Ion: 63 Resp: 334

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

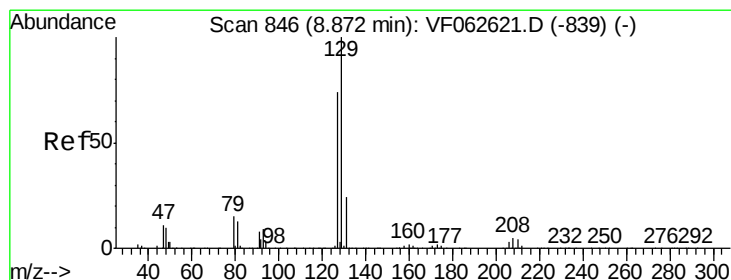
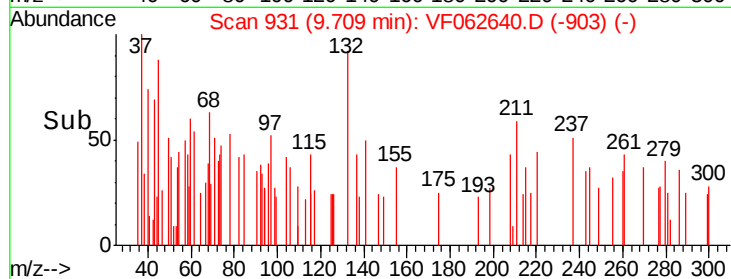
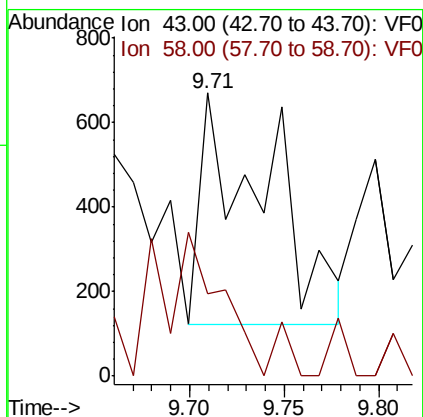
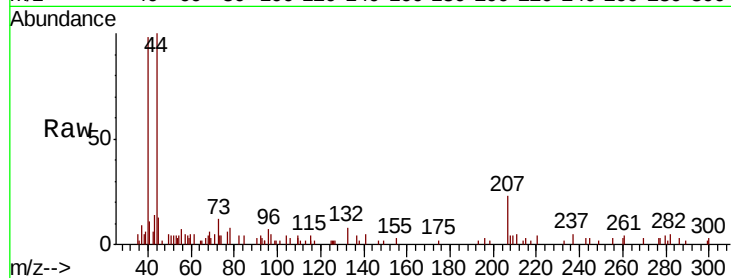




#59
2-Hexanone
Concen: 2376.417 ug/l
RT: 9.71 min Scan# 931
Delta R.T. 0.08 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

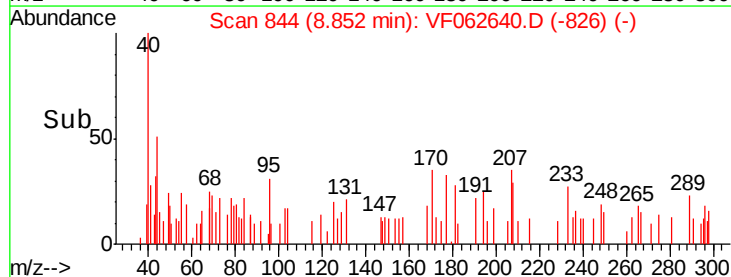
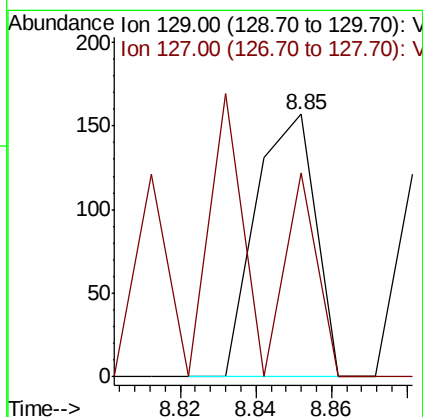
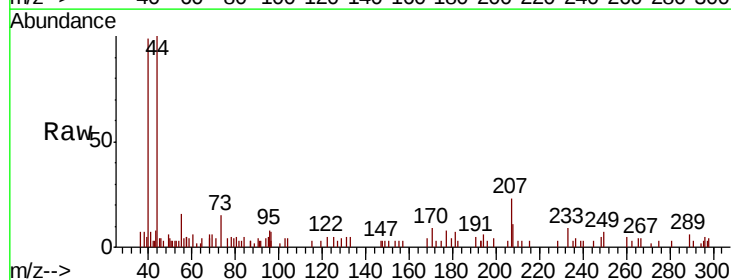
Instrument :
MSVOA_F
ClientSampleId :

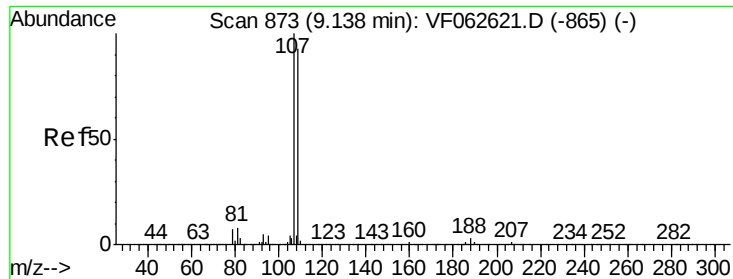
Tot Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
58 29.0 28.1 84.4



#60
Dibromochloromethane
Concen: 121.334 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 129 Resp: 170
Ion Ratio Lower Upper
129 100
127 77.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 341.558 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.03 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

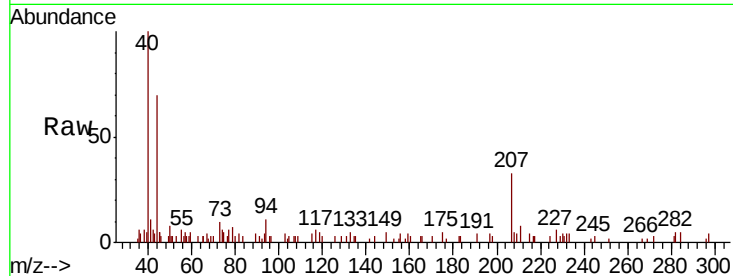
ClientSampleId :

Tot Ion:107 Resp: 390

Ion Ratio Lower Upper

107 100

109 0.0 74.8 112.2#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.11

300

200

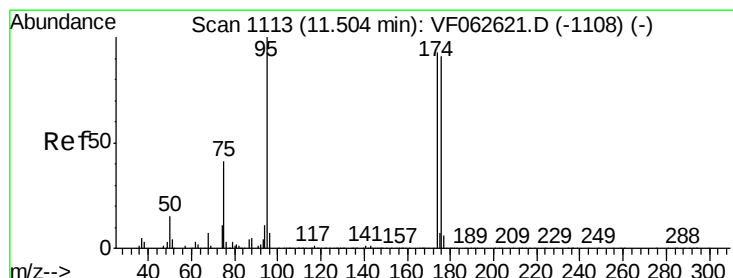
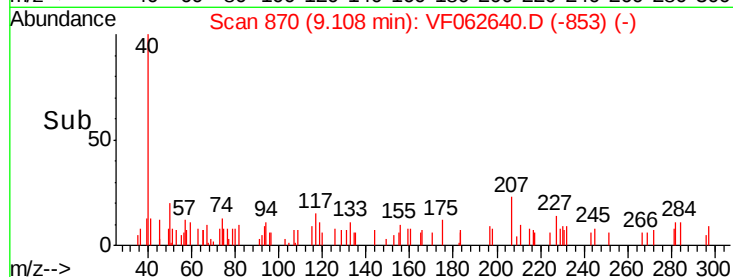
100

0

9.10

9.15

Time-->



#62

4-Bromofluorobenzene

Concen: 190.868 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

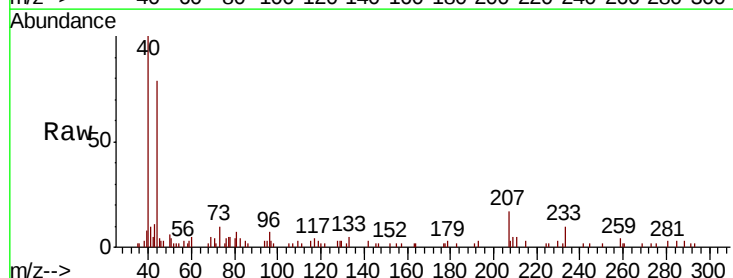
Tgt Ion: 95 Resp: 328

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

176 0.0 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

500

400

300

200

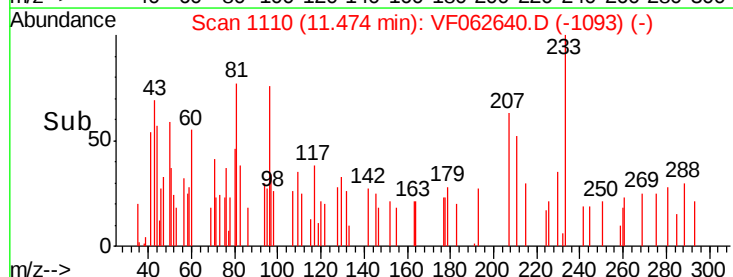
100

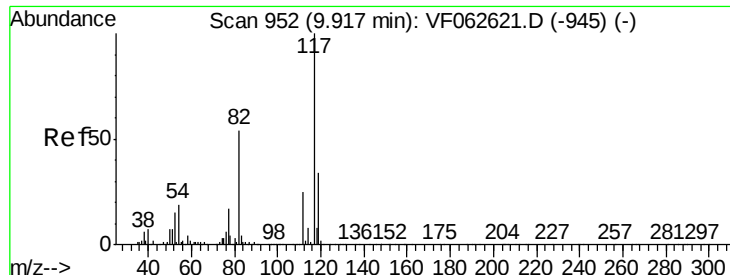
0

11.45

11.50

Time-->

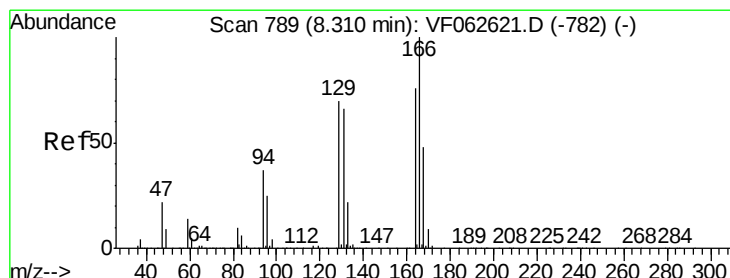
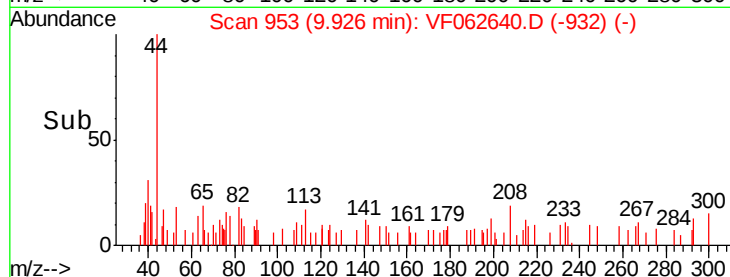
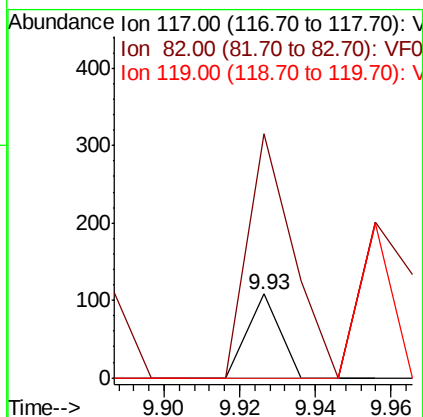
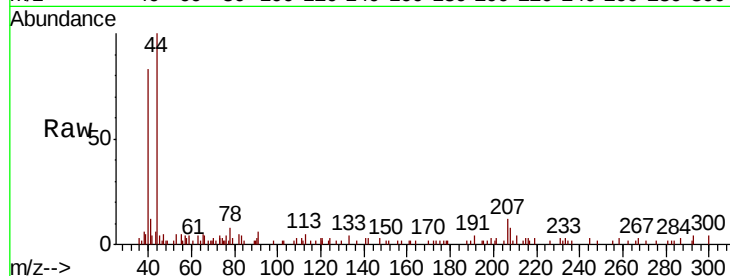




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

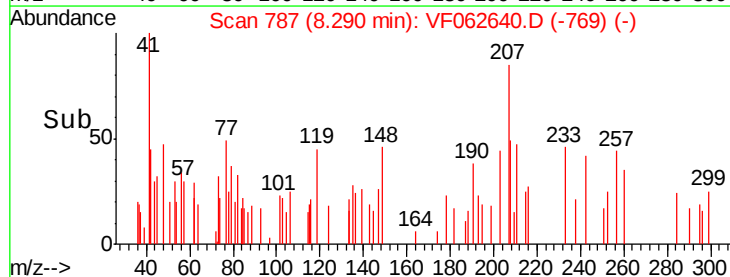
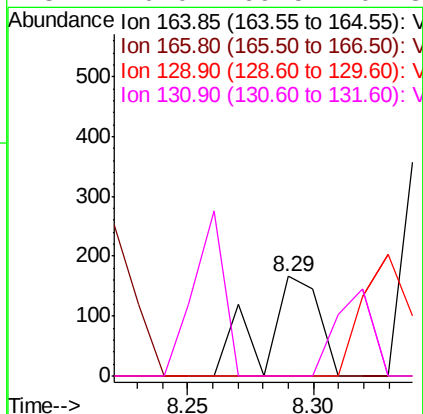
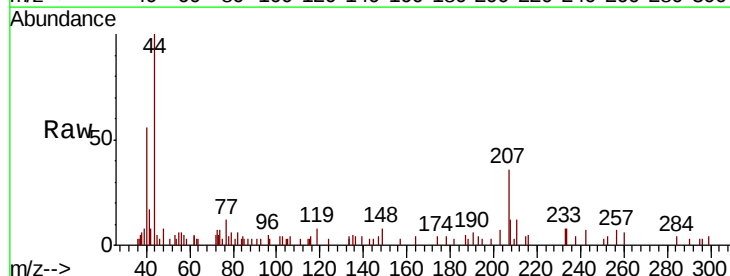
Instrument :
MSVOA_F
ClientSampleId :

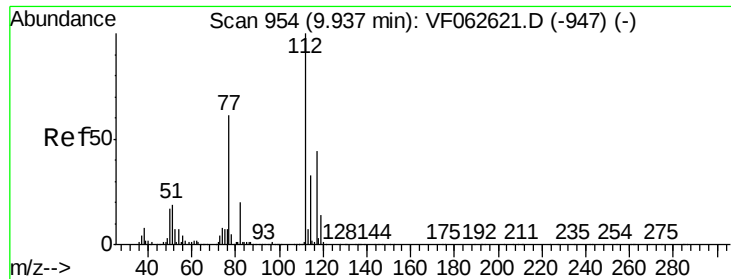
Tot Ion	Ratio	Lower	Upper
117	100		
82	291.7	43.3	64.9#
119	0.0	27.4	41.0#



#64
Tetrachloroethene
Concen: 504.906 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

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#

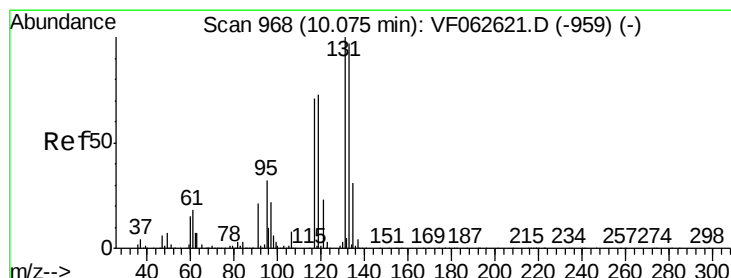
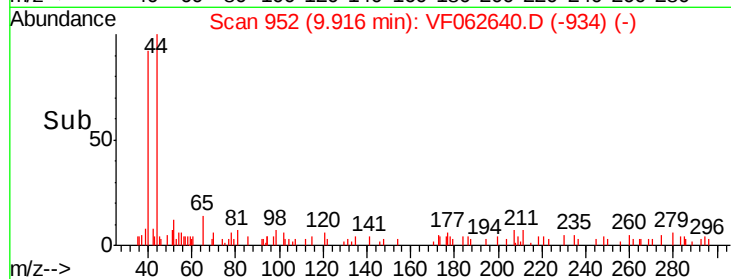
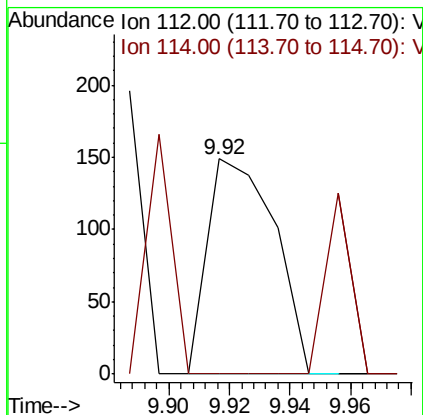
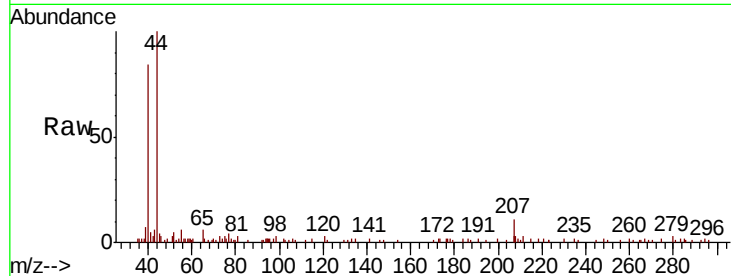




#65
Chlorobenzene
Concen: 182.176 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

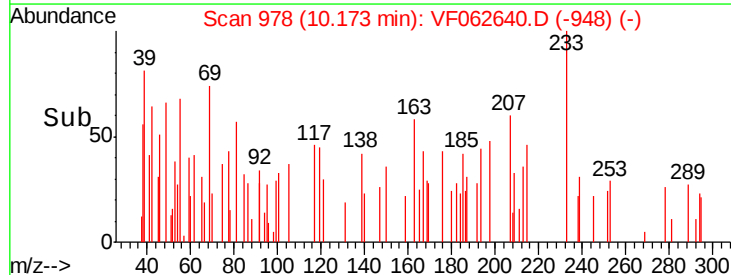
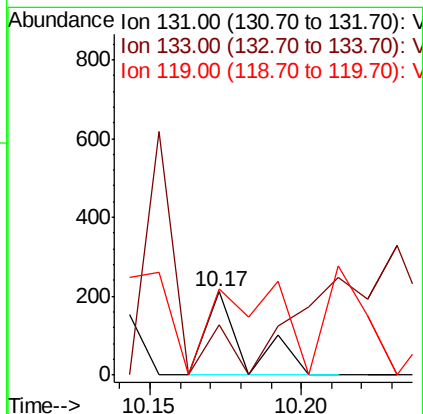
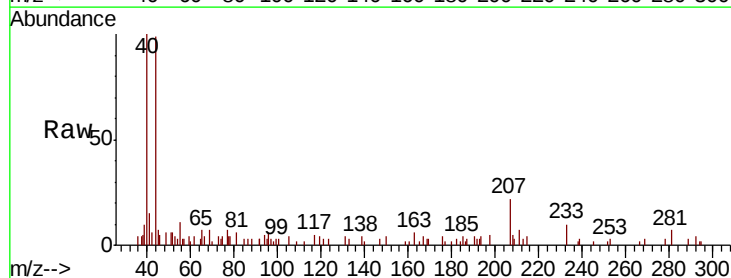
Instrument :
MSVOA_F
ClientSampleId :

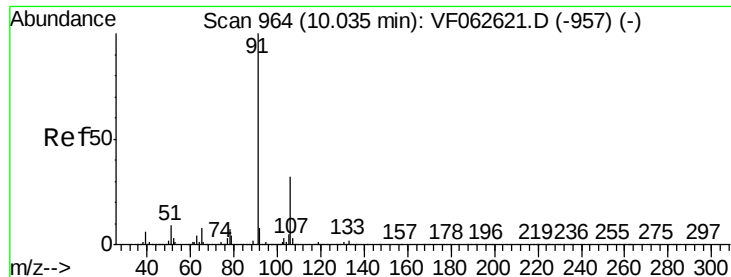
Tot Ion:112 Resp: 229
Ion Ratio Lower Upper
112 100
114 120.1 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 366.607 ug/l
RT: 10.17 min Scan# 978
Delta R.T. 0.10 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion:131 Resp: 185
Ion Ratio Lower Upper
131 100
133 60.7 48.5 145.5
119 102.8 36.8 110.4

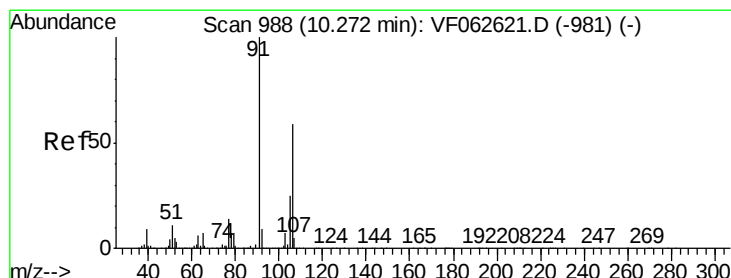
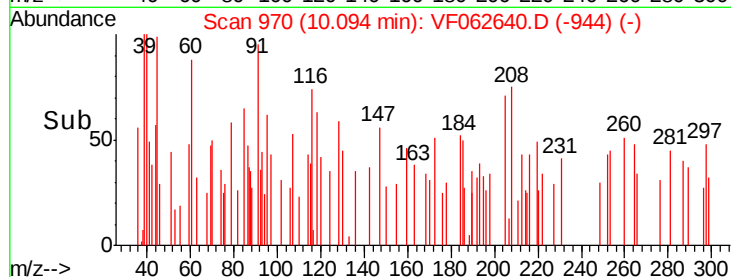
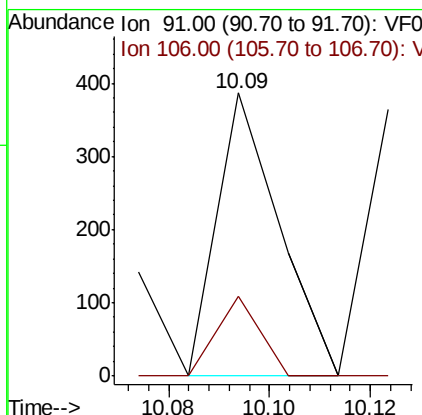
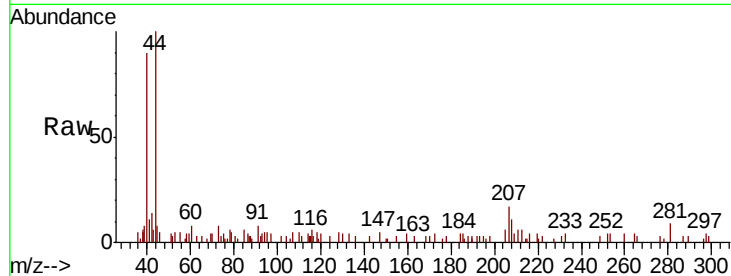




#67
Ethyl Benzene
Concen: 150.202 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.06 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

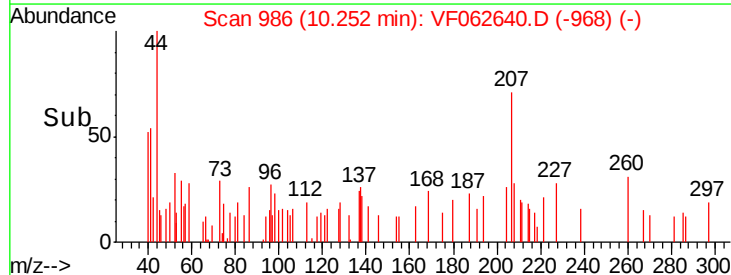
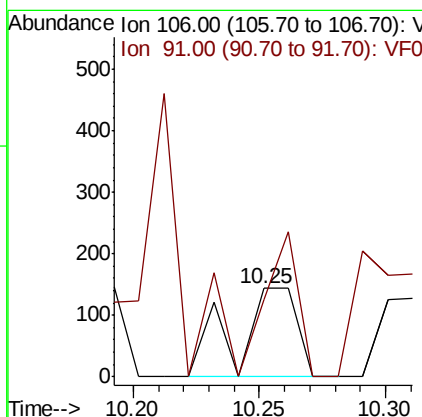
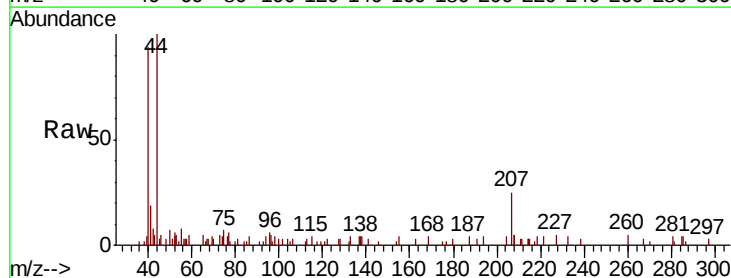
Instrument :
MSVOA_F
ClientSampled :

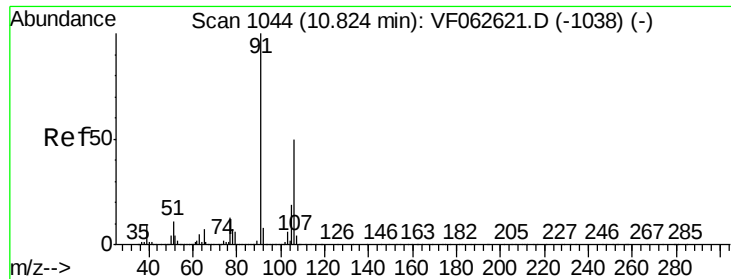
Tot Ion: 91 Resp: 328
Ion Ratio Lower Upper
91 100
106 27.9 25.8 38.8



#68
m/p-Xylenes
Concen: 294.856 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion:106 Resp: 242
Ion Ratio Lower Upper
106 100
91 86.8 136.9 205.3#

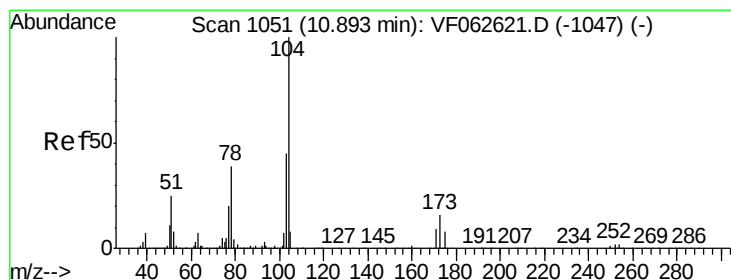
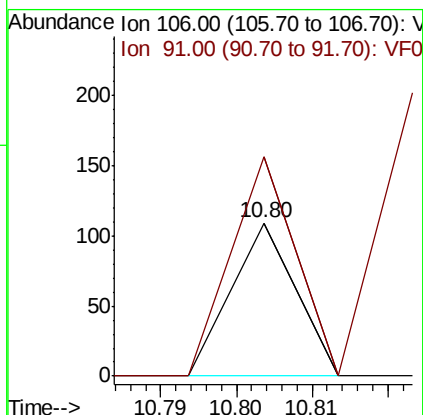
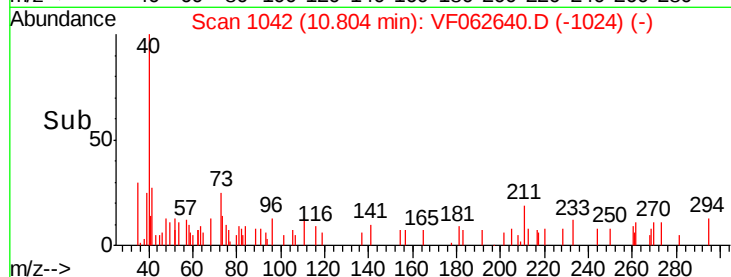
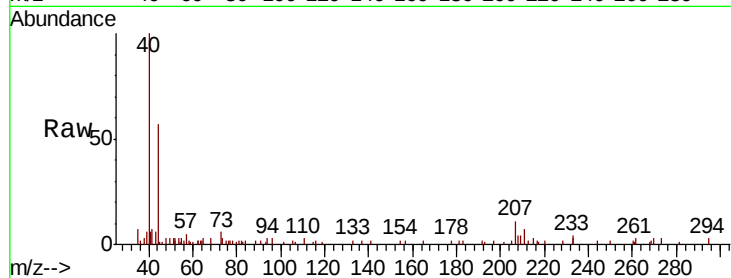




#69
o-Xylene
Concen: 75.707 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

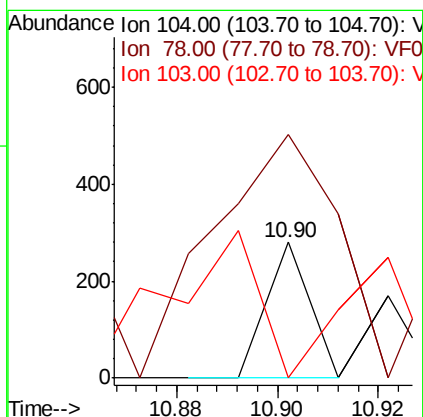
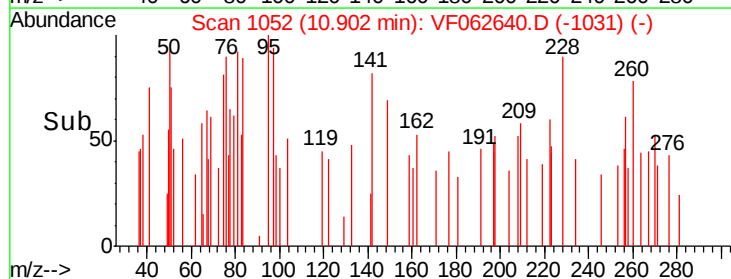
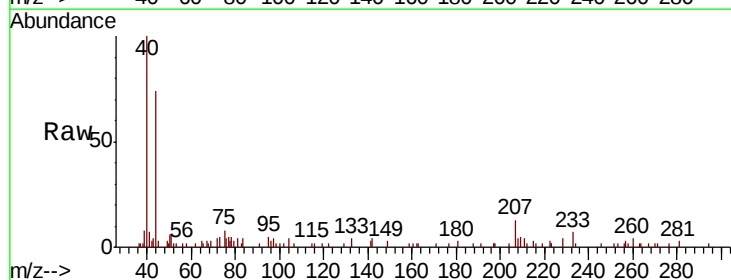
Instrument :
MSVOA_F
ClientSampleId :

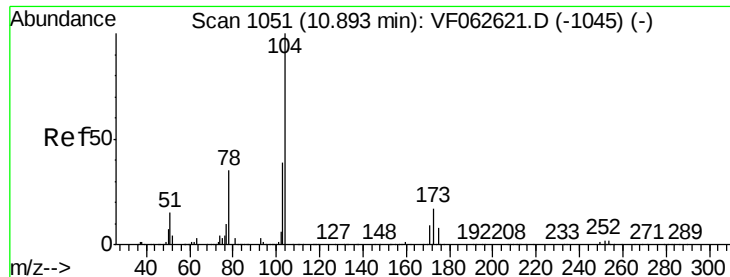
Tot Ion:106 Resp: 64
Ion Ratio Lower Upper
106 100
91 143.1 100.2 300.5



#70
Styrene
Concen: 129.192 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion:104 Resp: 166
Ion Ratio Lower Upper
104 100
78 179.3 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 288.839 ug/l

RT: 10.97 min Scan# 1059

Delta R.T. 0.08 min

Lab File: VF062640.D

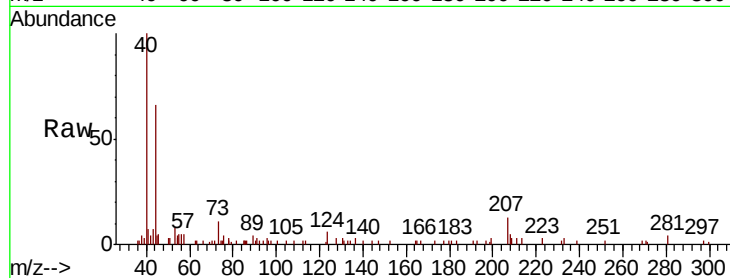
Acq: 17 May 2019 16:03

Instrument :

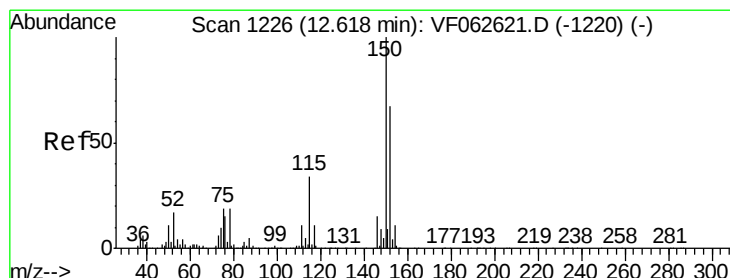
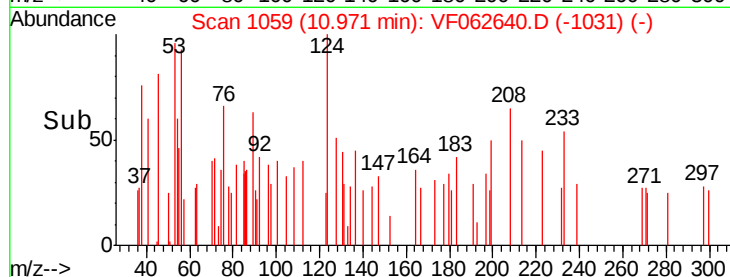
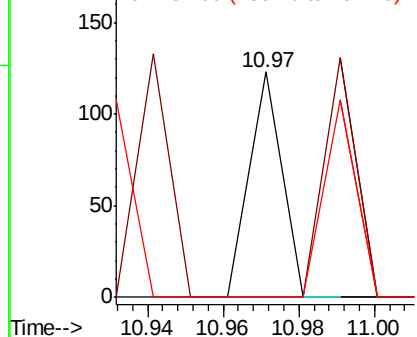
MSVOA_F

ClientSampled :

Tot Ion:	173	Resp:	73
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

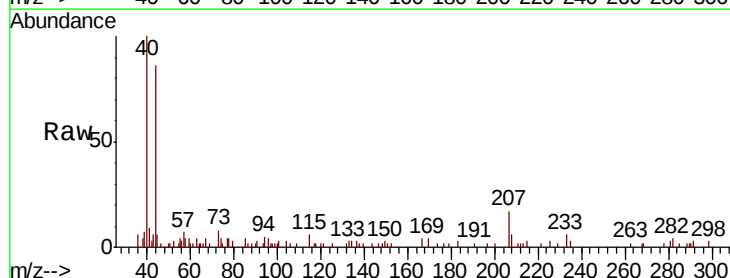
RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

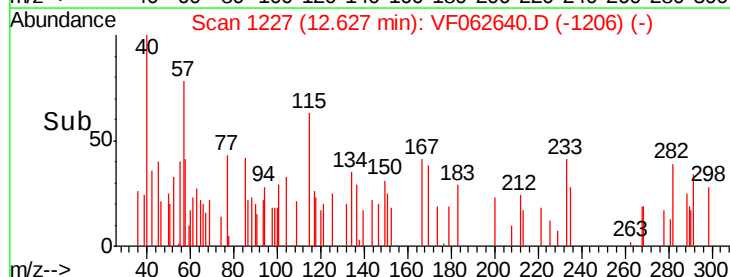
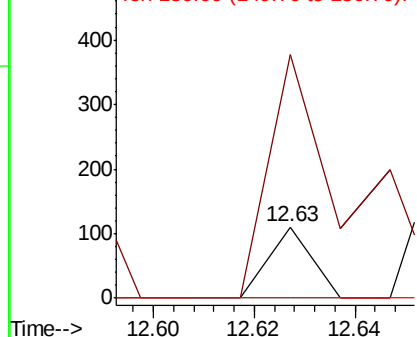
Lab File: VF062640.D

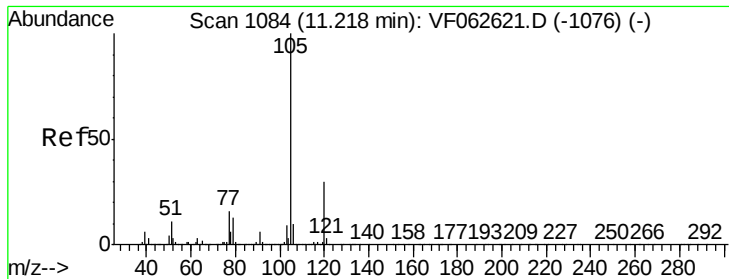
Acq: 17 May 2019 16:03

Tgt Ion:	152	Resp:	65
Ion	Ratio	Lower	Upper
152	100		
115	342.7	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: 91.658 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

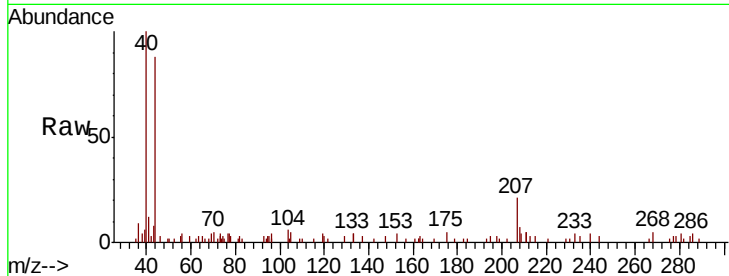
ClientSampled :

Tot Ion:105 Resp: 427

Ion Ratio Lower Upper

105 100

120 53.4 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

250

200

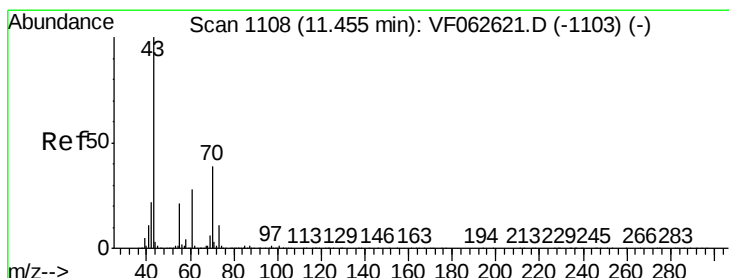
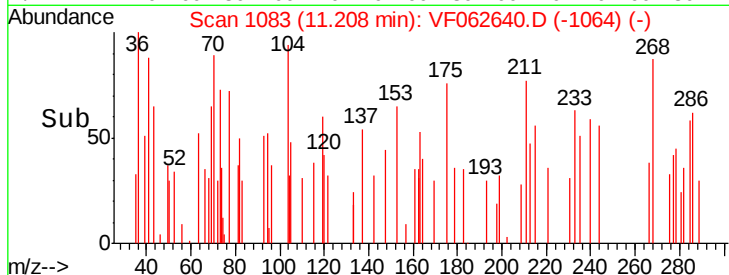
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 1112.730 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion: 43 Resp: 1183

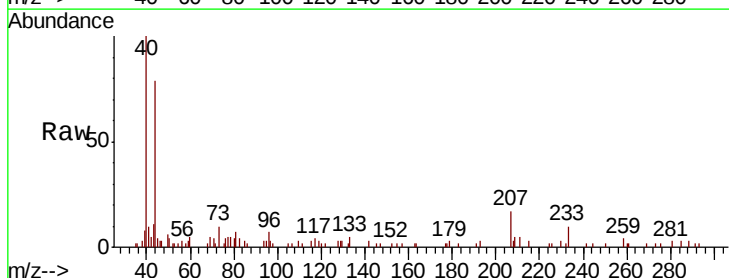
Ion Ratio Lower Upper

43 100

70 36.6 30.9 46.3

55 0.0 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

1000

800

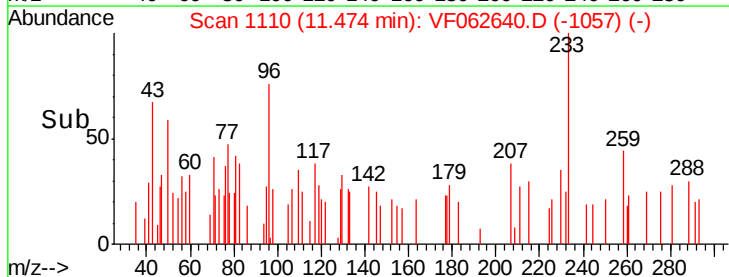
600

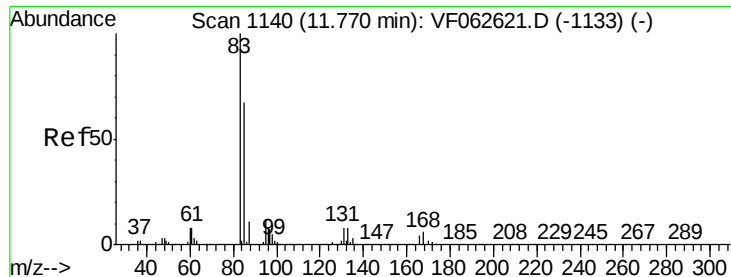
400

200

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 335.063 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.04 min

Lab File: VF062640.D

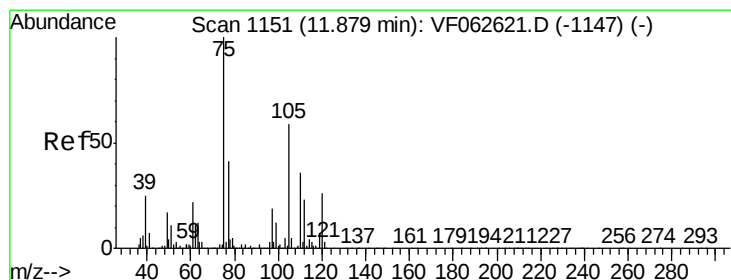
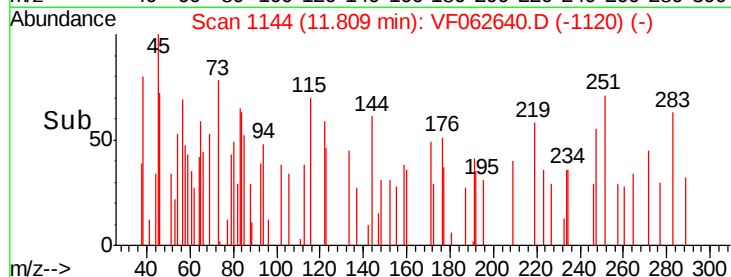
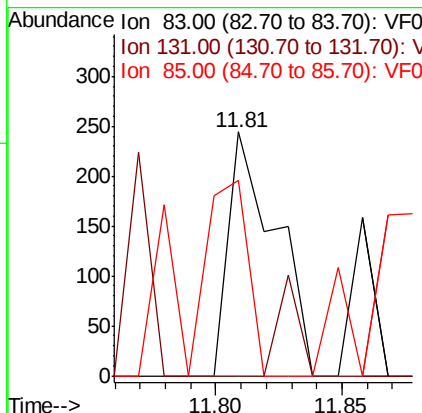
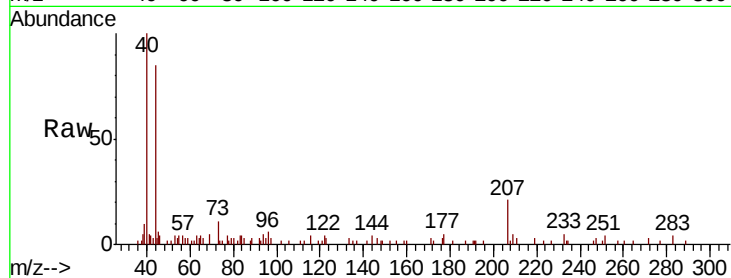
Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	83	Resp:	319
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.0	12.0#
85	80.3	33.5	100.5



#76

1,2,3-Trichloropropane

Concen: 596.262 ug/l

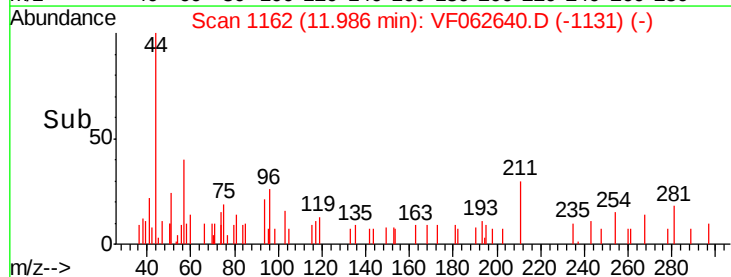
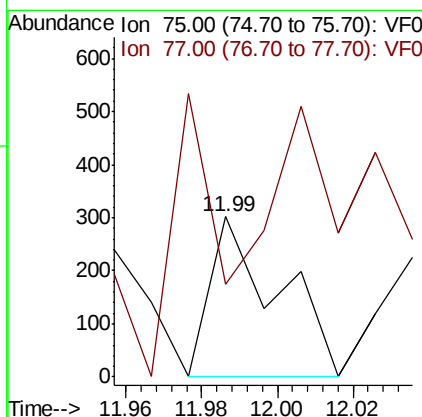
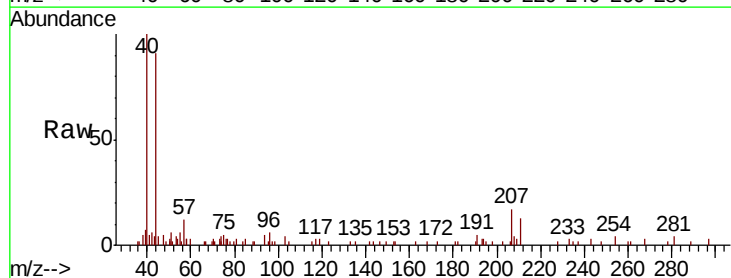
RT: 11.99 min Scan# 1162

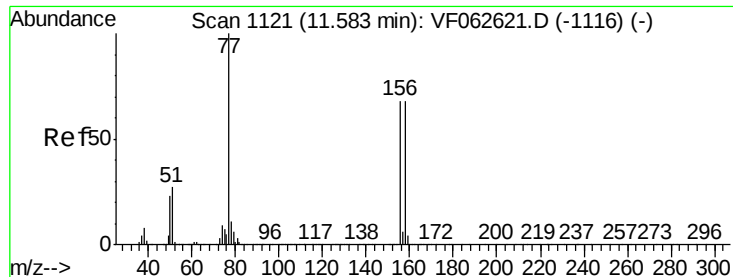
Delta R.T. 0.11 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion:	75	Resp:	373
Ion	Ratio	Lower	Upper
75	100		
77	57.6	20.6	61.8





#77

Bromobenzene

Concen: 78.584 ug/l

RT: 11.55 min Scan# 1118

Delta R.T. -0.03 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

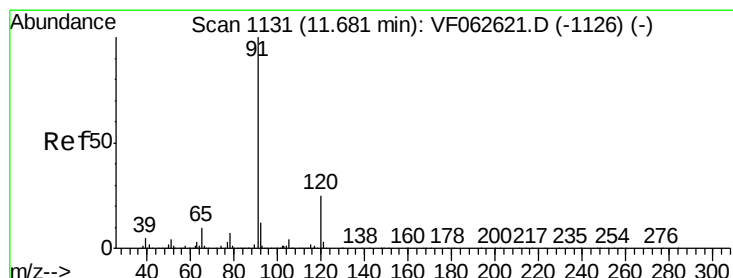
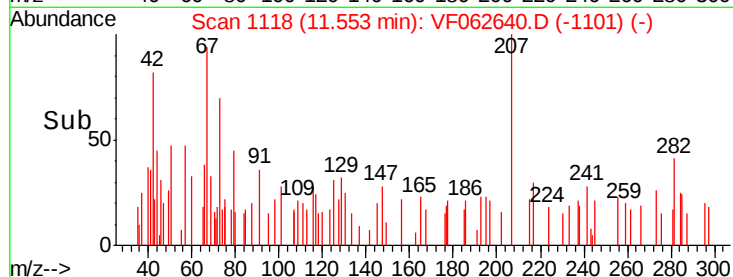
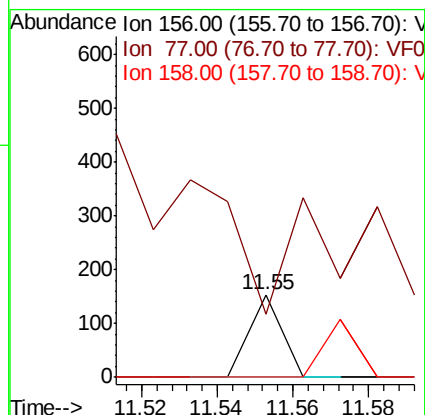
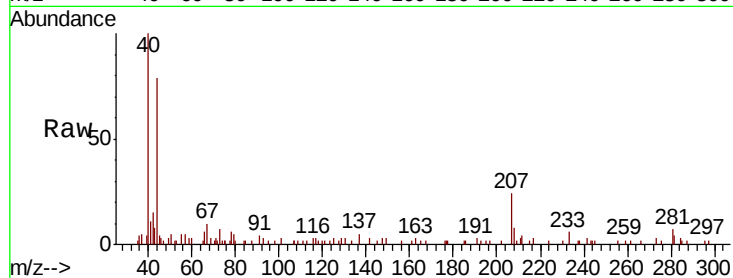
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:156 Resp: 91

Ion	Ratio	Lower	Upper
156	100		
77	75.3	73.6	220.8
158	0.0	49.6	148.8#



#78

n-propylbenzene

Concen: 85.791 ug/l

RT: 11.69 min Scan# 1132

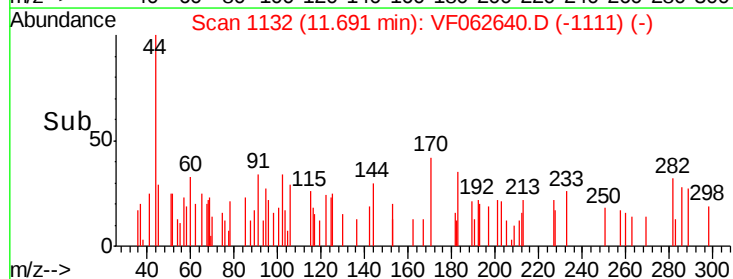
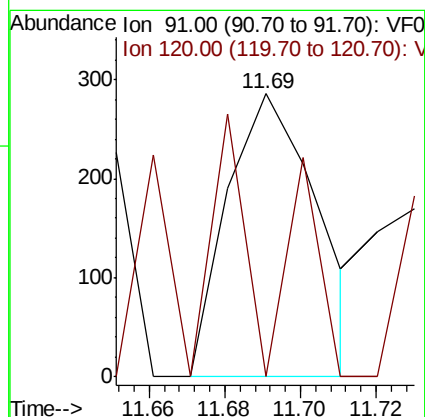
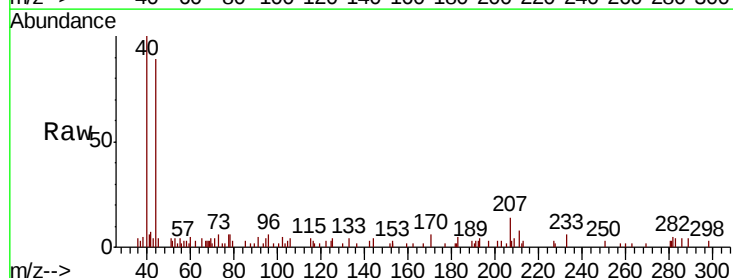
Delta R.T. 0.01 min

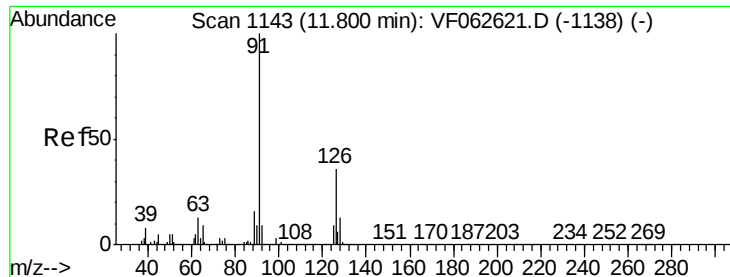
Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion: 91 Resp: 473

Ion	Ratio	Lower	Upper
91	100		
120	0.0	12.7	38.1#





#79

2-Chlorotoluene

Concen: 154.161 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.03 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

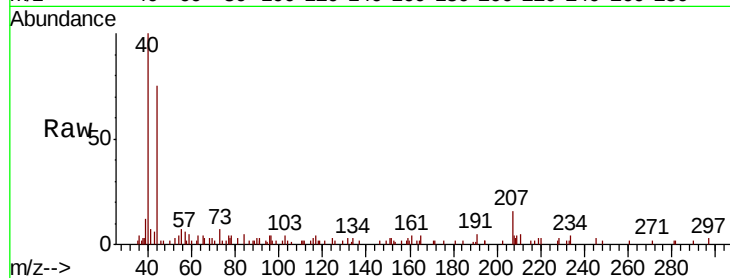
ClientSampleId :

Tot Ion: 91 Resp: 479

Ion Ratio Lower Upper

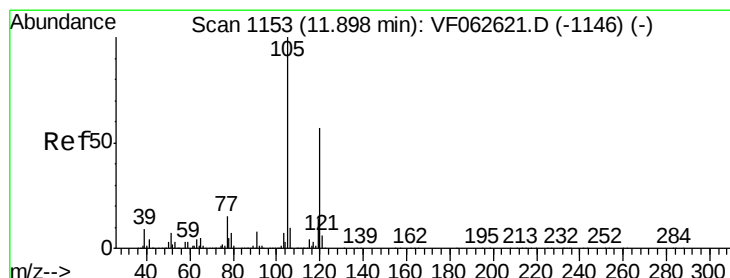
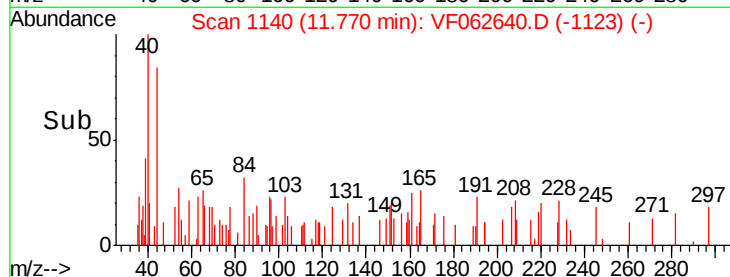
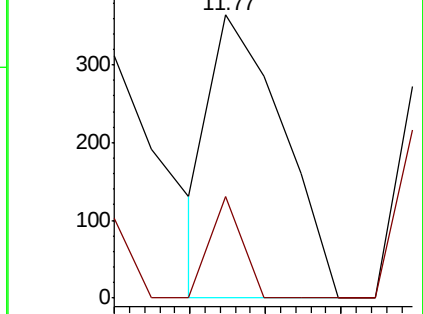
91 100

126 35.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 72.011 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.05 min

Lab File: VF062640.D

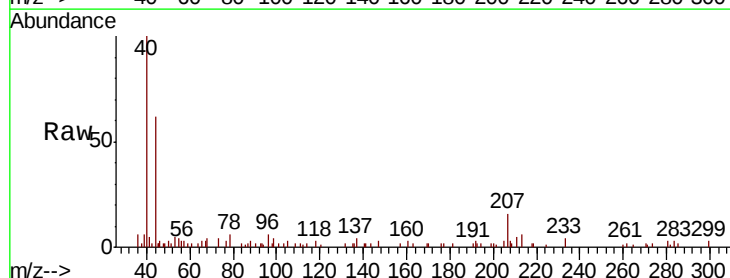
Acq: 17 May 2019 16:03

Tgt Ion:105 Resp: 269

Ion Ratio Lower Upper

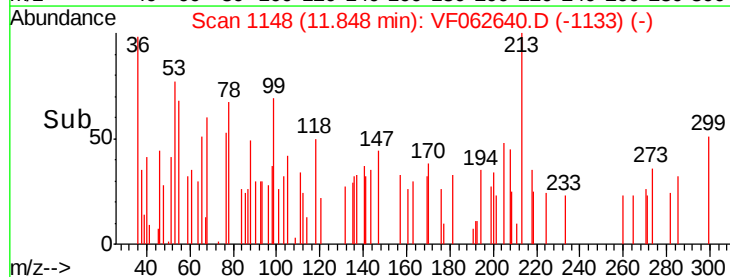
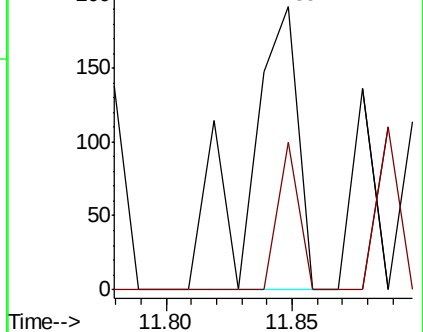
105 100

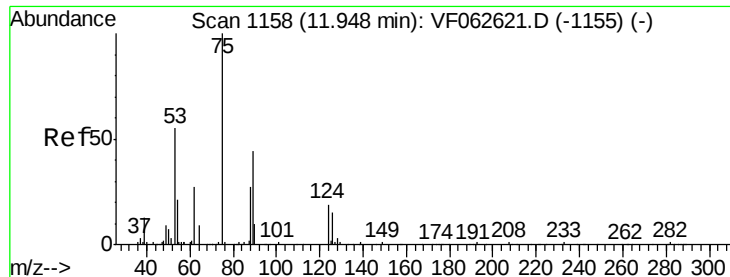
120 52.1 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 1834.090 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampled :

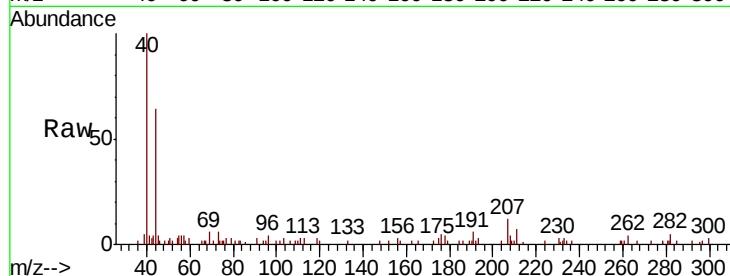
Tot Ion: 75 Resp: 510

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

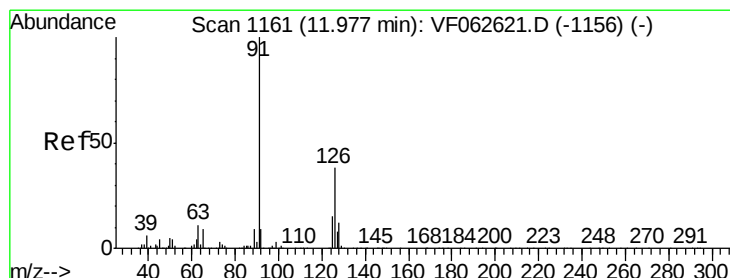
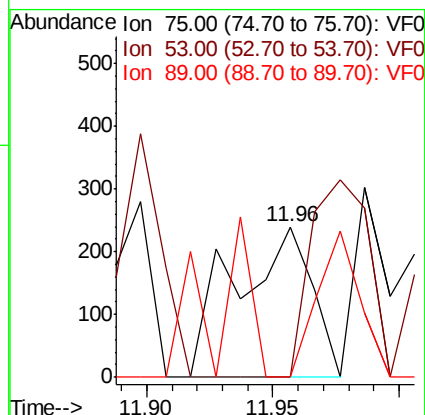
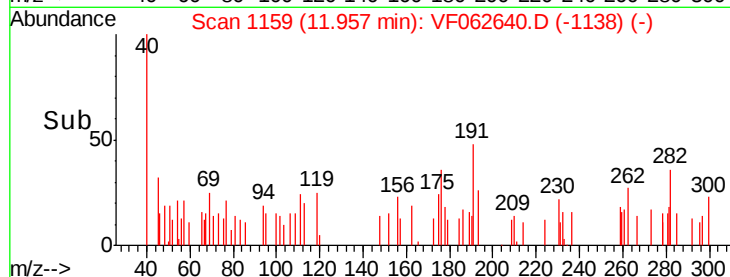
89 0.0 36.4 54.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 141.316 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.04 min

Lab File: VF062640.D

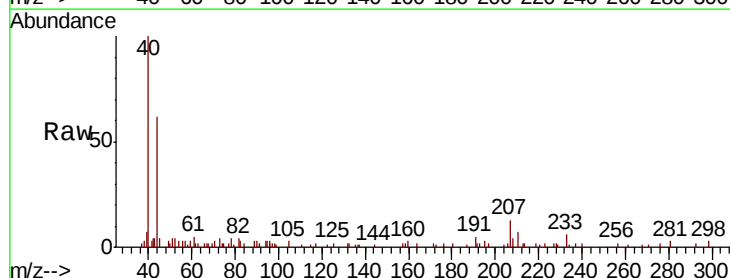
Acq: 17 May 2019 16:03

Tgt Ion: 91 Resp: 433

Ion Ratio Lower Upper

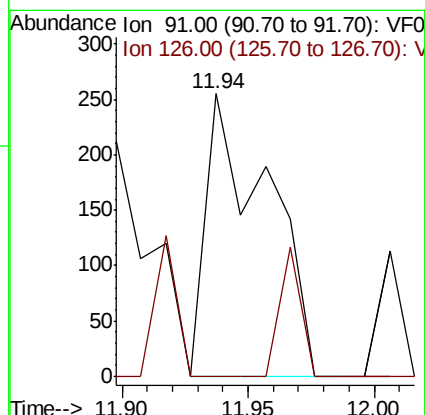
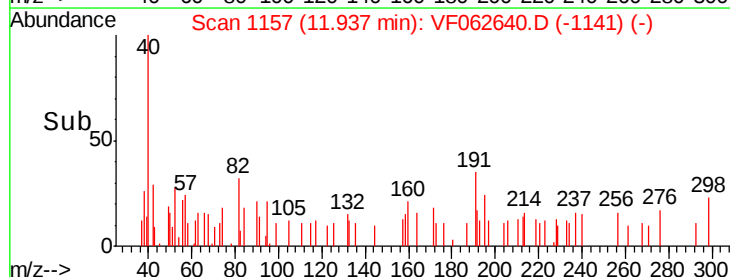
91 100

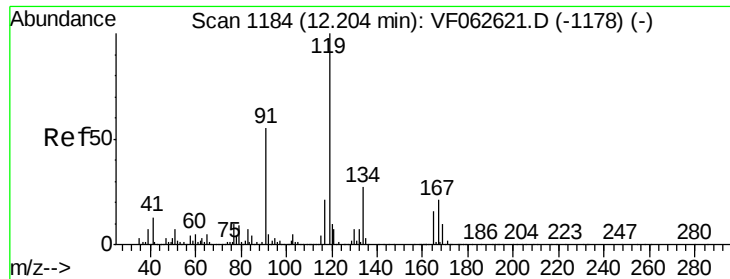
126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 120.848 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

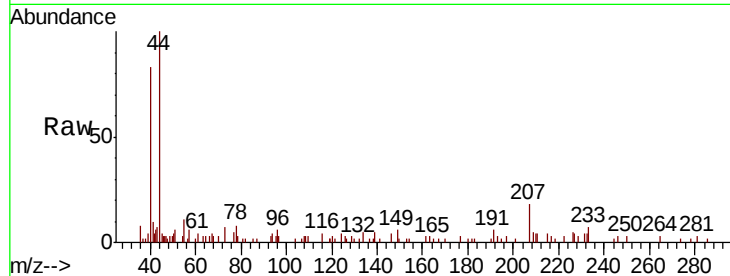
Tot Ion:119 Resp: 458

Ion Ratio Lower Upper

119 100

91 0.0 27.3 81.9#

134 96.7 13.6 40.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

300

200

100

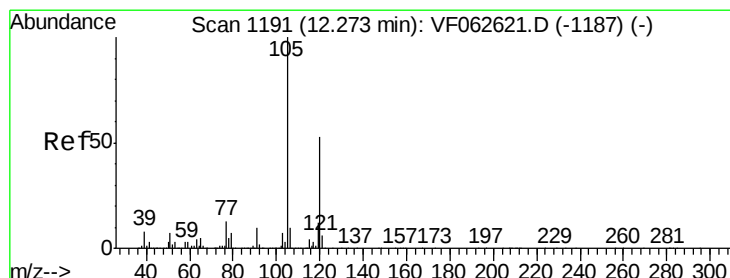
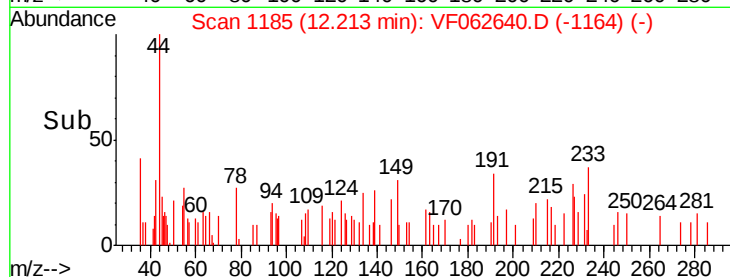
0

12.20

12.21

12.25

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 62.232 ug/l

RT: 12.34 min Scan# 1198

Delta R.T. 0.07 min

Lab File: VF062640.D

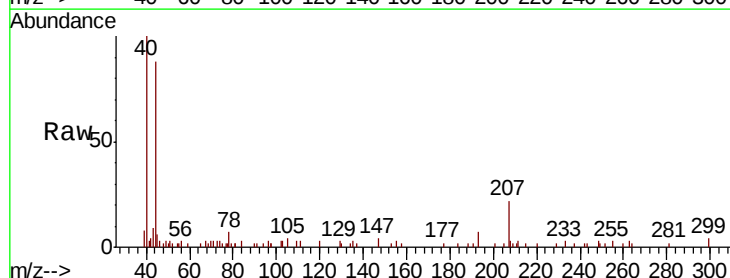
Acq: 17 May 2019 16:03

Tgt Ion:105 Resp: 225

Ion Ratio Lower Upper

105 100

120 79.2 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300

250

200

150

100

50

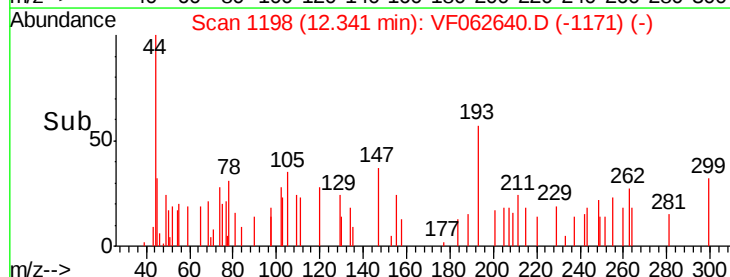
0

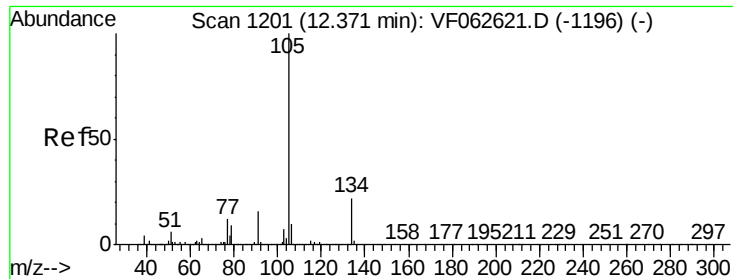
12.32

12.34

12.36

Time-->

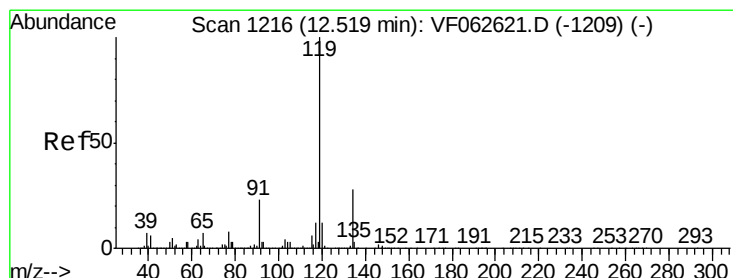
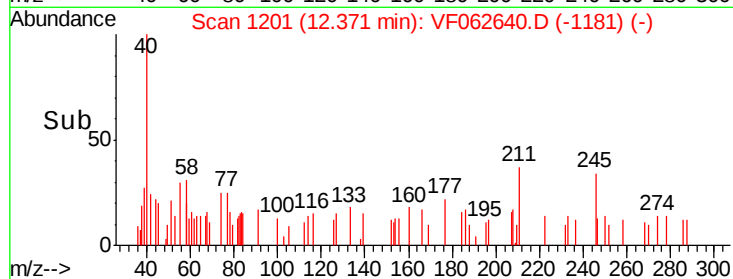
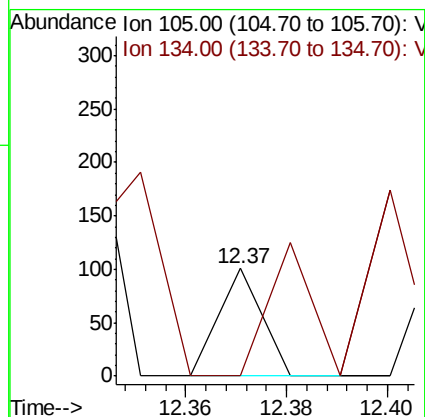
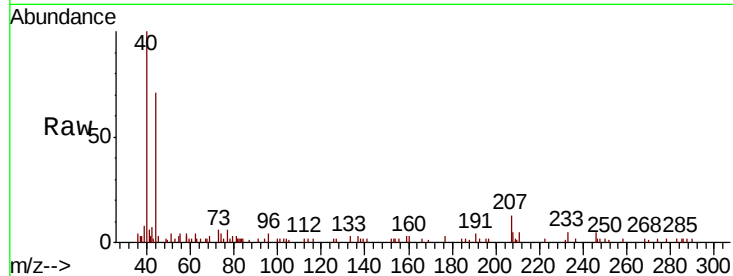




#85
 sec-Butylbenzene
 Concen: 11.797 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

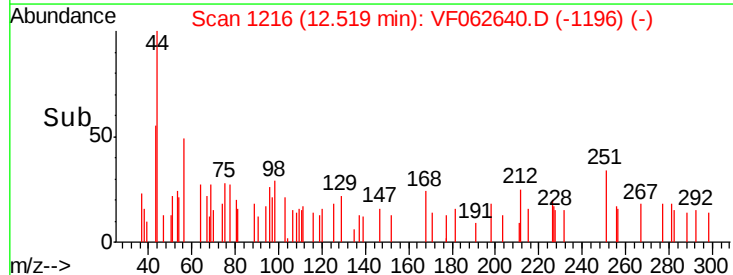
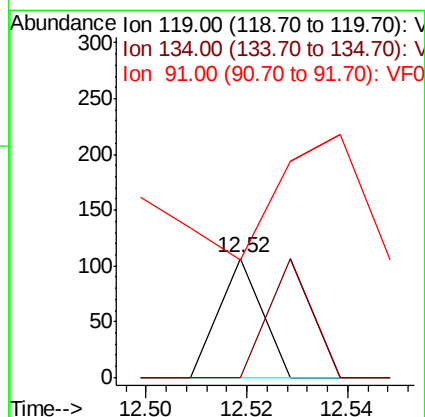
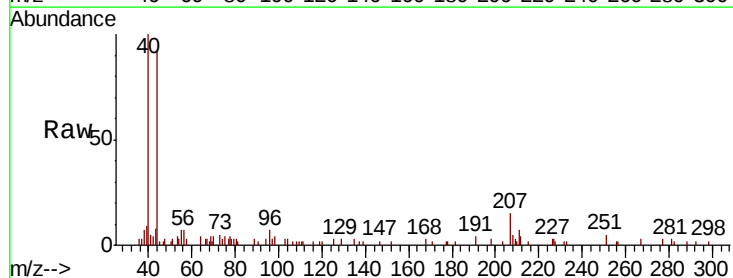
Instrument :
 MSVOA_F
 ClientSampled :

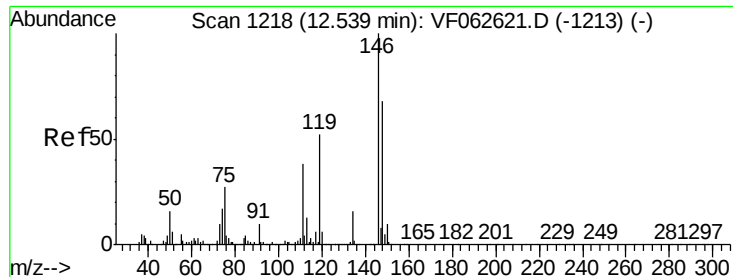
Tot Ion:105 Resp: 60
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 14.698 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion:119 Resp: 63
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 98.1 11.4 34.2#

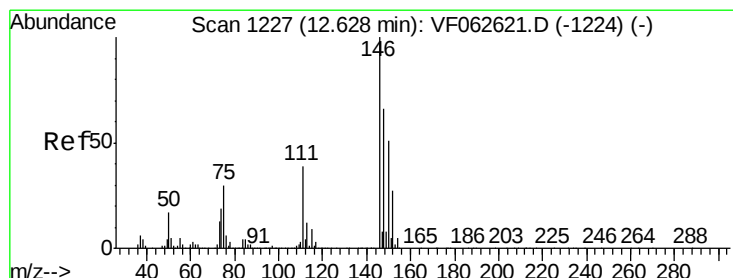
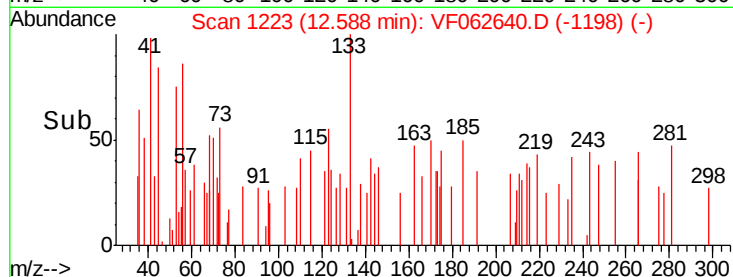
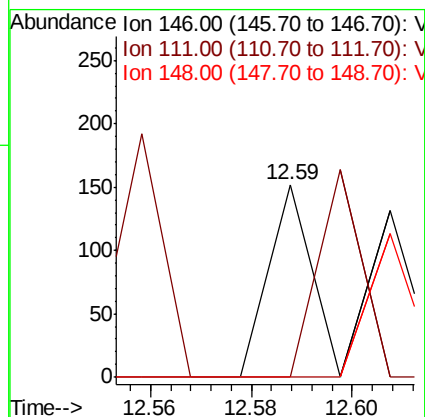
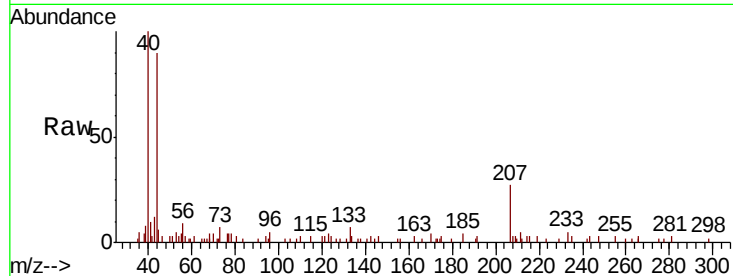




#87
 1,3-Dichlorobenzene
 Concen: 42.958 ug/l
 RT: 12.59 min Scan# 1223
 Delta R.T. 0.05 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

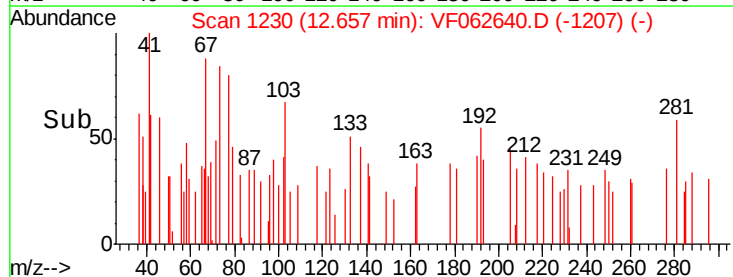
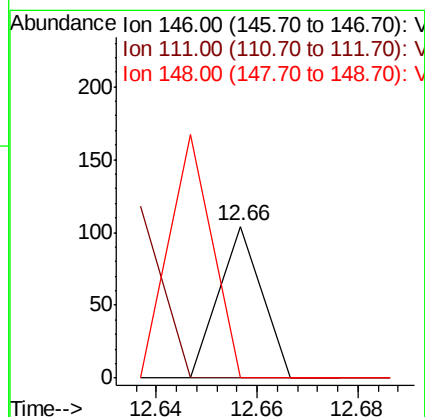
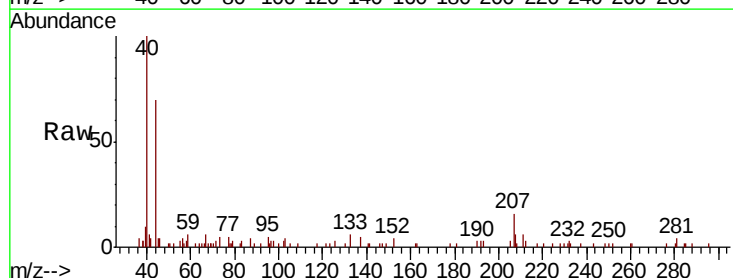
Instrument :
 MSVOA_F
 ClientSampleId :

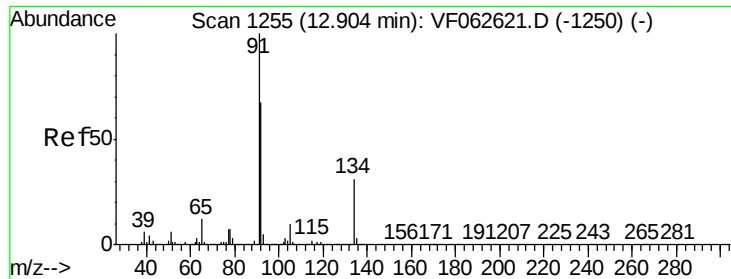
Tot Ion:146 Resp: 90
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 0.0 34.0 101.8#



#88
 1,4-Dichlorobenzene
 Concen: 31.027 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.03 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion:146 Resp: 61
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.2#
 148 0.0 33.2 99.6#

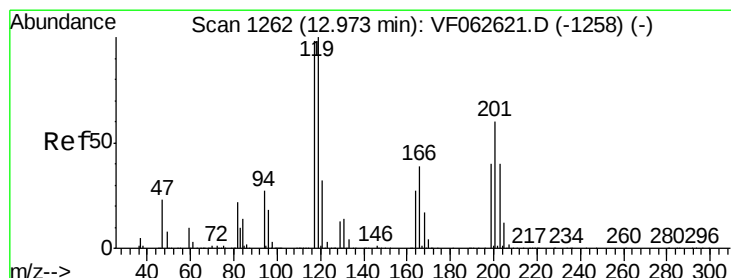
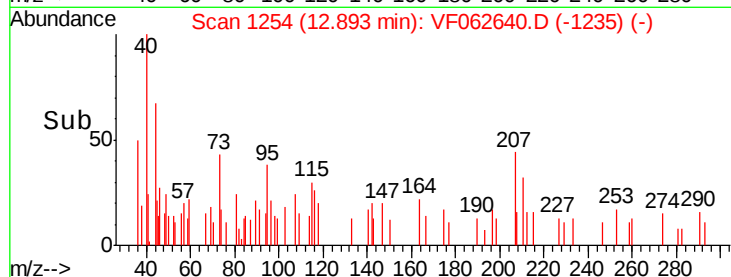
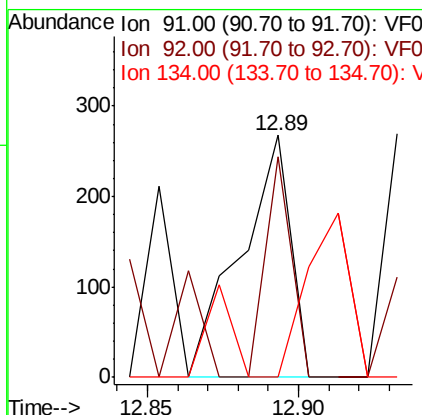
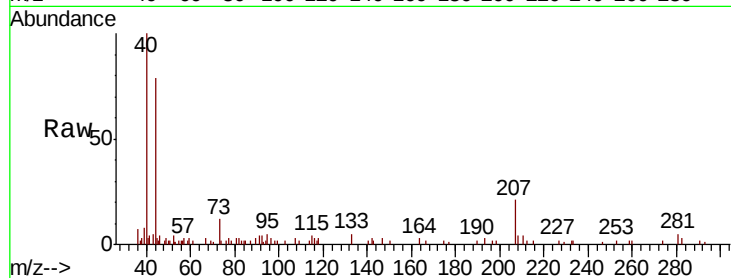




#89
n-Butylbenzene
Concen: 72.880 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

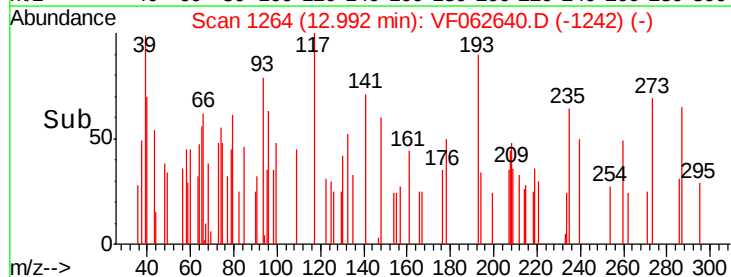
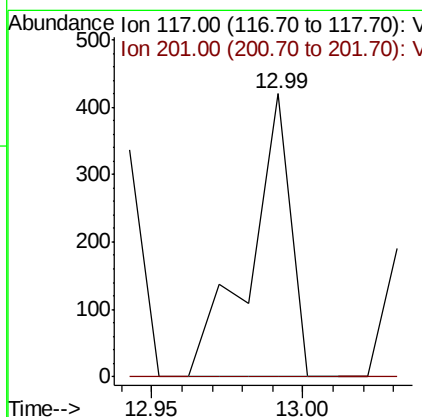
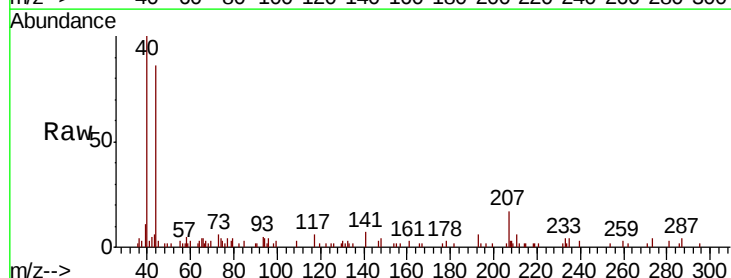
Instrument :
MSVOA_F
ClientSampleId :

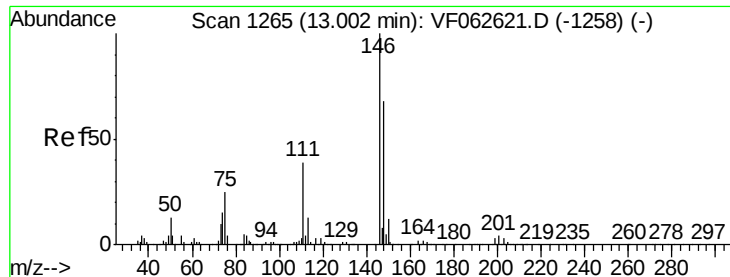
Tot Ion: 91 Resp: 308
Ion Ratio Lower Upper
91 100
92 91.0 33.3 99.8
134 0.0 15.4 46.4#



#90
Hexachloroethane
Concen: 383.182 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VF062640.D
Acq: 17 May 2019 16:03

Tgt Ion: 117 Resp: 394
Ion Ratio Lower Upper
117 100
201 0.0 30.7 92.1#





#91

1,2-Dichlorobenzene

Concen: 156.892 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.04 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampled :

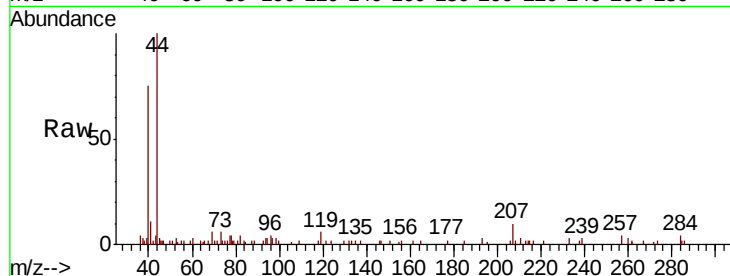
Tot Ion:146 Resp: 293

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.3#

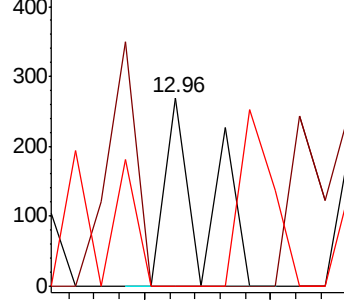
148 0.0 34.1 102.2#



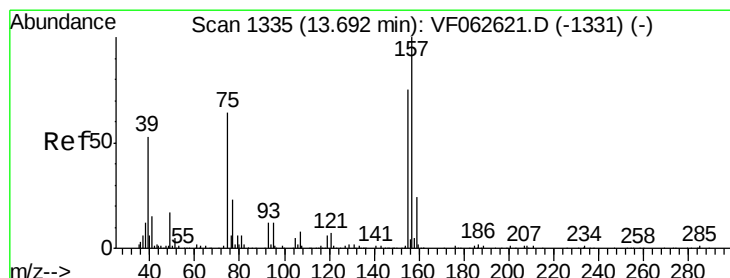
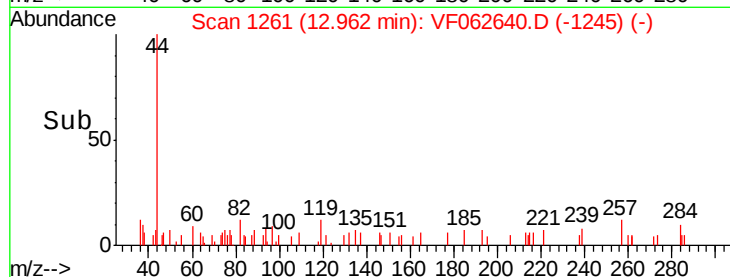
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 3662.709 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

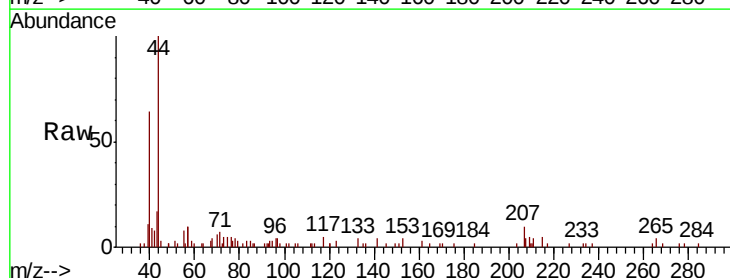
Tgt Ion: 75 Resp: 416

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

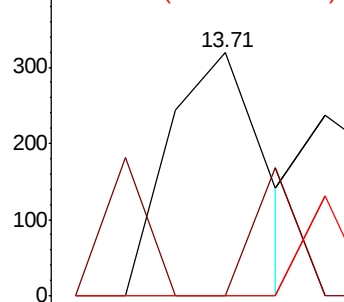
157 0.0 77.8 233.4#



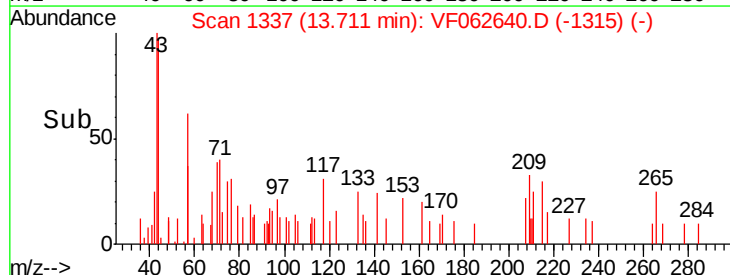
Abundance Ion 75.00 (74.70 to 75.70): VF0

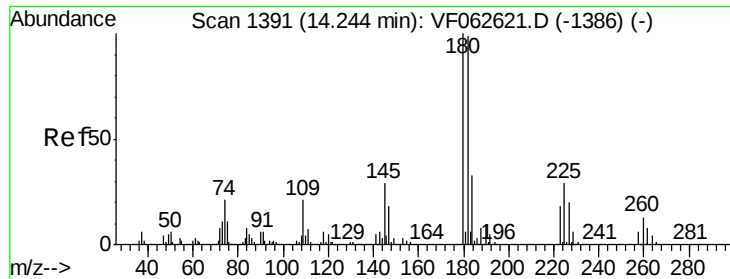
Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->

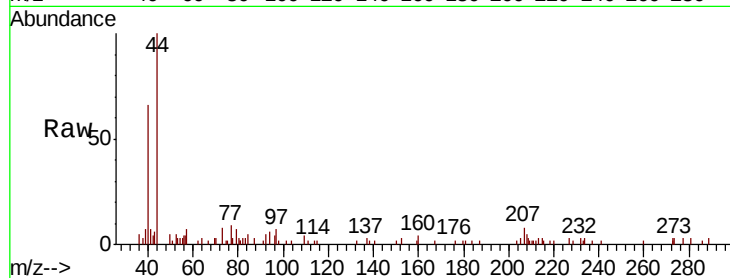




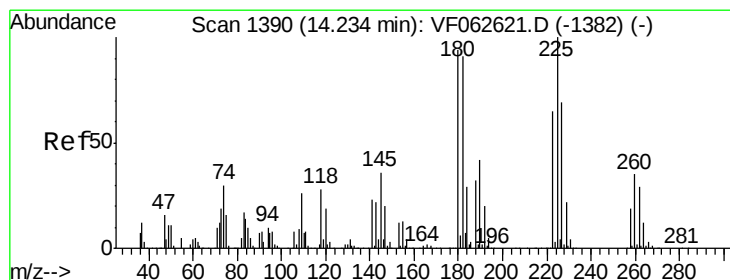
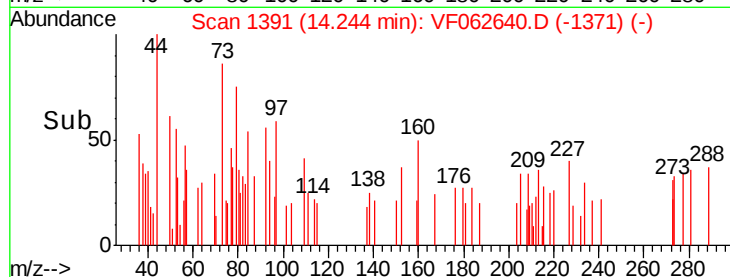
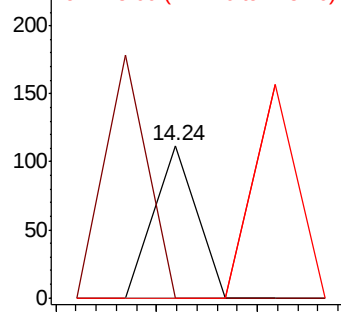
#93
 1,2,4-Trichlorobenzene
 Concen: 49.373 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 66
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.6 44.0#

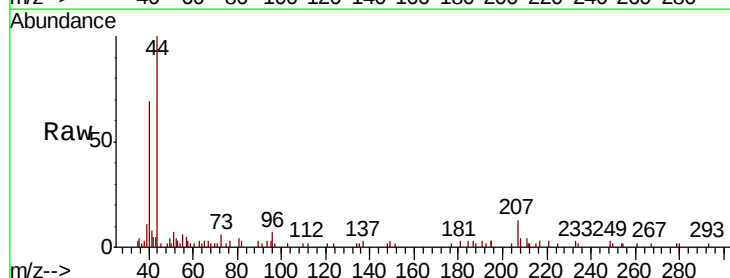


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

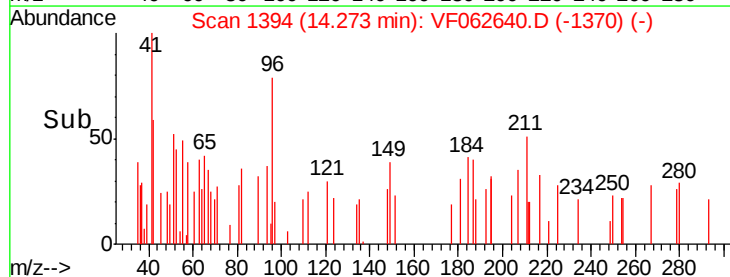
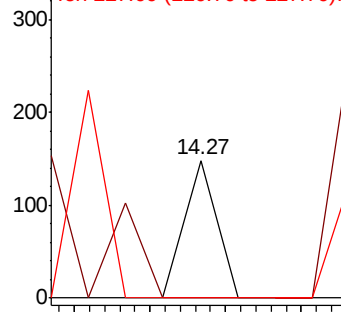


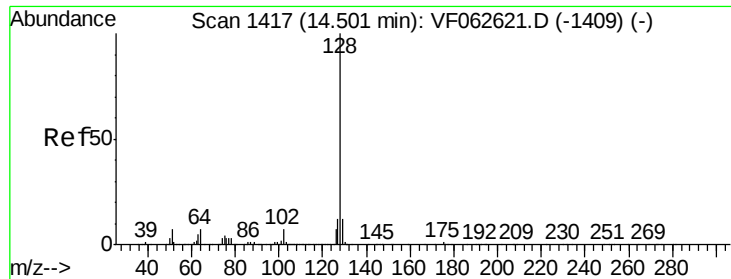
#94
 Hexachlorobutadiene
 Concen: 94.331 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.04 min
 Lab File: VF062640.D
 Acq: 17 May 2019 16:03

Tgt Ion:225 Resp: 88
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#



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





#95

Naphthalene

Concen: 525.837 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062640.D

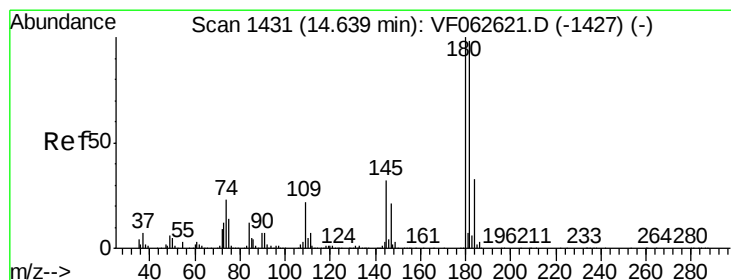
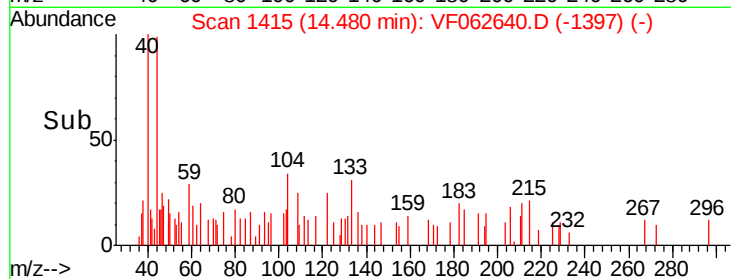
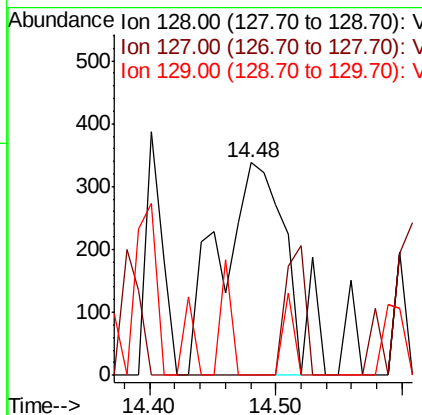
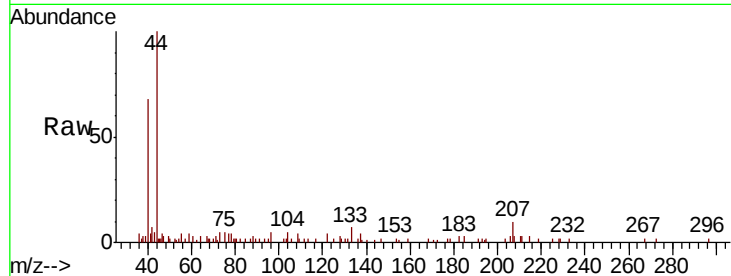
Acq: 17 May 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	128	Resp:	1277
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: 146.896 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.02 min

Lab File: VF062640.D

Acq: 17 May 2019 16:03

Tgt Ion:	180	Resp:	186
Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.9	146.7#
145	0.0	16.1	48.2#

