

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062645.D
 Acq On : 17 May 2019 18:23
 Operator : FY/SY
 Sample : K2894-08
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:42:33 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	5.08	168	70	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.86	114	130	50.00	ug/l	0.07
63) Chlorobenzene-d5	10.03	117	96	50.00	ug/l	0.11
72) 1,4-Dichlorobenzene-d4	12.63	152	170	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.10	65	380	768.21	ug/l	0.06
Spiked Amount	50.000		Recovery	=	1536.42%	
35) Dibromofluoromethane	4.36	113	186	186.98	ug/l	0.04
Spiked Amount	50.000		Recovery	=	373.96%	
50) Toluene-d8	7.78	98	158	66.52	ug/l	0.06
Spiked Amount	50.000		Recovery	=	133.04%	
62) 4-Bromofluorobenzene	11.68	95	877	973.57	ug/l	0.17
Spiked Amount	50.000		Recovery	=	1947.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.04	85	567	595.217	ug/l #	41
3) Chloromethane	1.12	50	572	652.124	ug/l	92
4) Vinyl Chloride	1.06	62	182	225.417	ug/l	95
5) Bromomethane	1.44	94	471	1066.345	ug/l	93
6) Chloroethane	1.45	64	367	1237.657	ug/l #	1
7) Trichlorofluoromethane	1.52	101	94	86.708	ug/l #	21
8) Diethyl Ether	1.75	74	636	2961.346	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.93	101	319	462.115	ug/l #	19
10) Methyl Iodide	1.98	142	96	70.794	ug/l #	1
11) Tert butyl alcohol	2.72	59	365	11176.605	ug/l #	1
12) 1,1-Dichloroethene	1.91	96	690	1097.279	ug/l #	1
13) Acrolein	2.10	56	659	19331.305	ug/l #	68
14) Allyl chloride	2.23	41	1234	2168.239	ug/l #	78
15) Acrylonitrile	3.10	53	736	7989.483	ug/l #	16
16) Acetone	2.40	43	464	3615.698	ug/l	94
17) Carbon Disulfide	1.89	76	455	244.121	ug/l #	12
18) Methyl Acetate	2.40	43	464	2300.890	ug/l	93
19) Methyl tert-butyl Ether	2.66	73	1096	974.978	ug/l	98
20) Methylene Chloride	2.34	84	172	267.395	ug/l #	1
21) trans-1,2-Dichloroethene	2.46	96	1446	2352.635	ug/l #	30
22) Diisopropyl ether	2.96	45	491	349.795	ug/l #	1
23) Vinyl Acetate	3.42	43	609	643.161	ug/l #	73
24) 1,1-Dichloroethane	3.04	63	313	303.960	ug/l #	1
25) 2-Butanone	4.67	43	774	2823.016	ug/l	99
26) 2,2-Dichloropropane	3.79	77	228	386.979	ug/l #	66
27) cis-1,2-Dichloroethene	3.68	96	540	534.120	ug/l	20
28) Bromochloromethane	3.90	49	410	709.925	ug/l #	2
29) Tetrahydrofuran	4.28	42	513	4623.742	ug/l #	30
30) Chloroform	4.06	83	300	209.835	ug/l	88
31) Cyclohexane	3.92	56	1362	985.075	ug/l #	15
32) 1,1,1-Trichloroethane	4.31	97	126	132.703	ug/l #	23
36) 1,1-Dichloropropene	4.57	75	1036	777.721	ug/l #	45
37) Ethyl Acetate	4.35	43	1715	3153.165	ug/l #	11
38) Carbon Tetrachloride	4.26	117	180	179.669	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	427	266.400	ug/l #	21
40) Benzene	4.86	78	1261	347.479	ug/l #	90
41) Methacrylonitrile	4.99	41	1884	6607.035	ug/l #	65
42) 1,2-Dichloroethane	5.21	62	88	121.601	ug/l #	1
43) Isopropyl Acetate	7.18	43	243	344.857	ug/l #	26
44) Trichloroethene	5.73	130	381	373.549	ug/l #	1
45) 1,2-Dichloropropane	6.49	63	300	327.479	ug/l #	42
46) Dibromomethane	6.37	93	955	1803.820	ug/l #	49
47) Bromodichloromethane	6.62	83	148	134.655	ug/l #	80
48) Methyl methacrylate	6.95	41	676	1835.444	ug/l #	1
49) 1,4-Dioxane	6.97	88	440	93275.599	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	3276	6801.637	ug/l #	87
52) Toluene	7.91	92	371	194.933	ug/l #	1
53) t-1,3-Dichloropropene	8.46	75	986	1096.529	ug/l #	98
54) cis-1,3-Dichloropropene	7.57	75	163	129.496	ug/l #	1
55) 1,1,2-Trichloroethane	8.74	97	114	202.302	ug/l #	93
56) Ethyl methacrylate	8.87	69	691	1029.257	ug/l #	18
57) 1,3-Dichloropropane	9.14	76	305	317.763	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.57	63	84	384.391	ug/l #	51
59) 2-Hexanone	9.73	43	839	2863.742	ug/l #	51
60) Dibromochloromethane	9.02	129	112	152.497	ug/l #	83
61) 1,2-Dibromoethane	9.27	107	359	599.794	ug/l #	43
64) Tetrachloroethene	8.33	164	173	227.471	ug/l #	52
65) Chlorobenzene	9.95	112	222	117.738	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.10	131	226	298.570	ug/l #	63
67) Ethyl Benzene	10.06	91	472	144.097	ug/l #	42
68) m/p-Xylenes	10.28	106	278	225.813	ug/l #	1
69) o-Xylene	10.97	106	69	54.414	ug/l #	82
70) Styrene	10.89	104	83	43.064	ug/l #	1
71) Bromoform	10.87	173	108	284.882	ug/l #	92
73) Isopropylbenzene	11.18	105	436	35.784	ug/l #	45
74) N-amyl acetate	11.43	43	2047	734.139	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	11.80	83	1089	437.349	ug/l #	23
76) 1,2,3-Trichloropropane	11.85	75	526	321.498	ug/l #	83
77) Bromobenzene	11.60	156	157	51.839	ug/l #	36
78) n-propylbenzene	11.54	91	170	11.790	ug/l #	75
79) 2-Chlorotoluene	11.85	91	541	66.573	ug/l #	91
80) 1,3,5-Trimethylbenzene	11.97	105	187	19.141	ug/l #	93
81) trans-1,4-Dichloro-2-buten	11.93	75	756	1039.529	ug/l #	26
82) 4-Chlorotoluene	12.00	91	578	72.127	ug/l #	81
83) tert-Butylbenzene	12.17	119	405	40.860	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.26	105	296	31.303	ug/l #	25
85) sec-Butylbenzene	12.38	105	176	13.231	ug/l #	54
86) p-Isopropyltoluene	12.55	119	418	37.287	ug/l #	43
87) 1,3-Dichlorobenzene	12.56	146	80	14.600	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	60	11.669	ug/l #	1
89) n-Butylbenzene	12.95	91	345	31.213	ug/l #	30
90) Hexachloroethane	12.98	117	200	74.371	ug/l #	20
91) 1,2-Dichlorobenzene	13.05	146	313	64.083	ug/l #	69
92) 1,2-Dibromo-3-Chloropropan	13.68	75	419	1410.547	ug/l #	35

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Quant Title : SW846 8260
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Response via : Initial Calibration

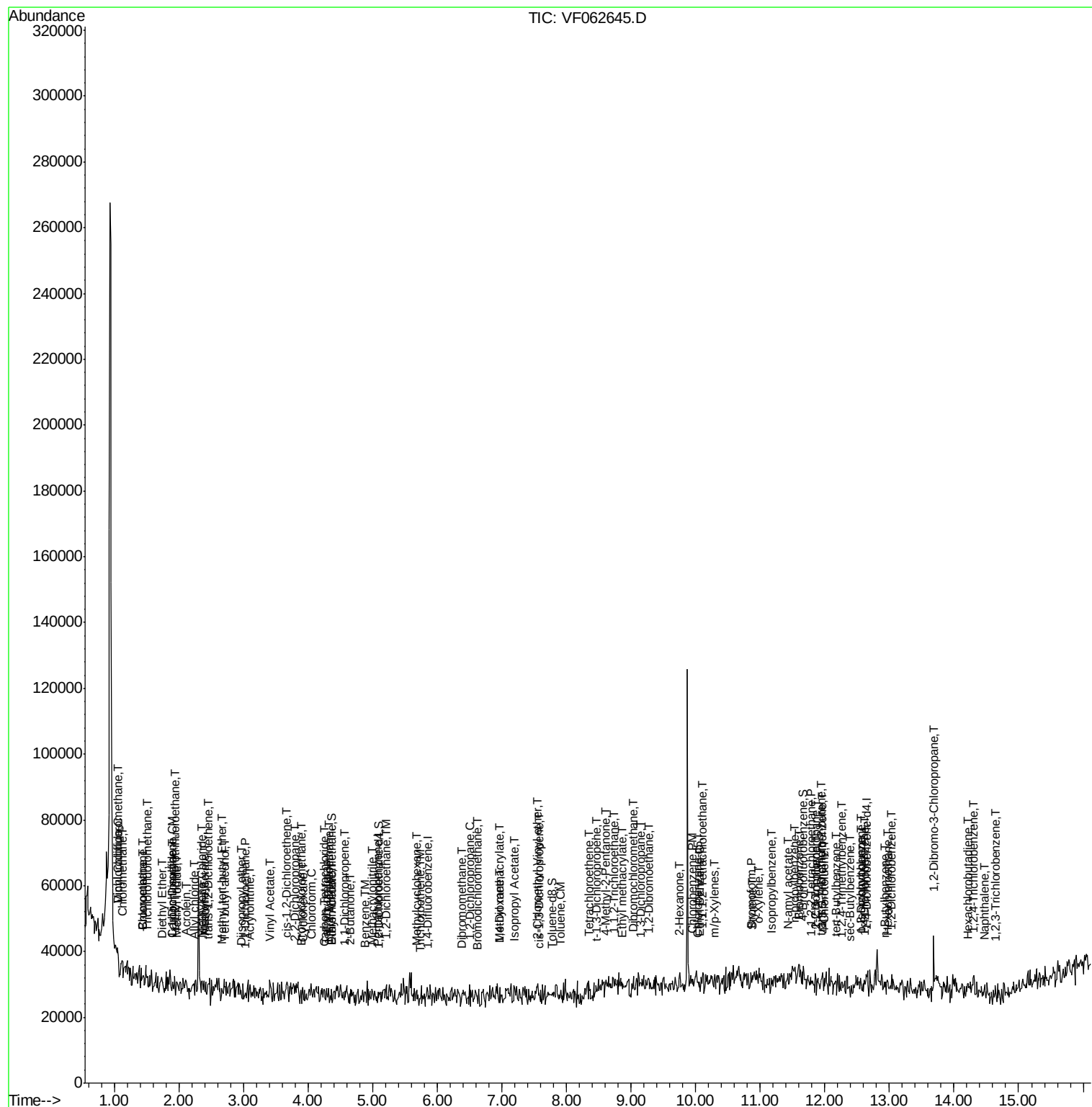
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.29	180	70	20.022	ug/l #	11
94) Hexachlorobutadiene	14.23	225	61	25.001	ug/l #	1
95) Naphthalene	14.47	128	345	54.318	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.64	180	113	34.123	ug/l #	43

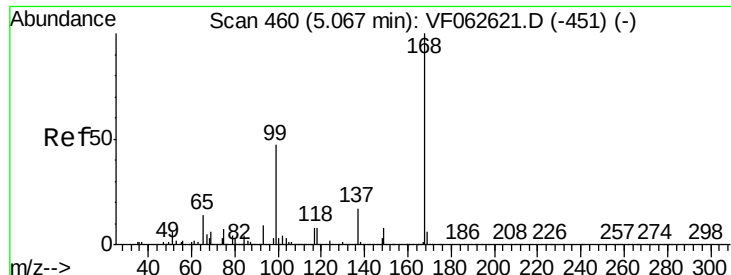
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

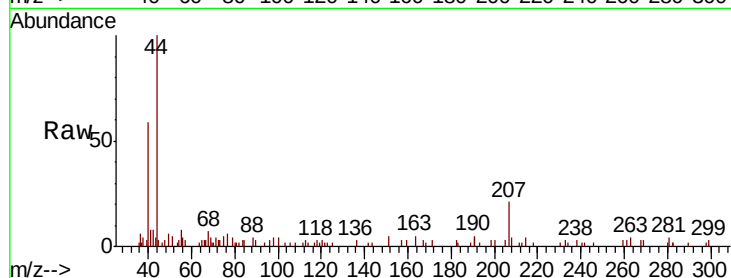
ClientSampled :

Tot Ion:168 Resp: 70

Ion Ratio Lower Upper

168 100

99 0.0 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

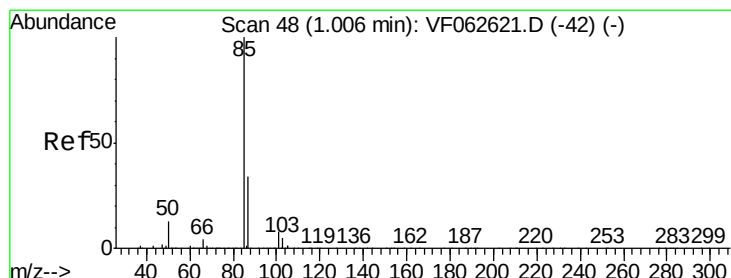
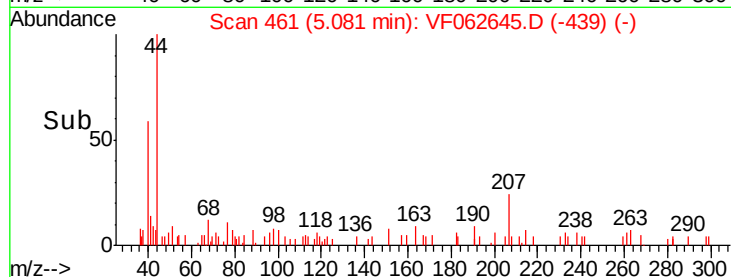
100

50

0

Time-->

5.07 5.08 5.09



#2

Dichlorodifluoromethane

Concen: 595.217 ug/l

RT: 1.04 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF062645.D

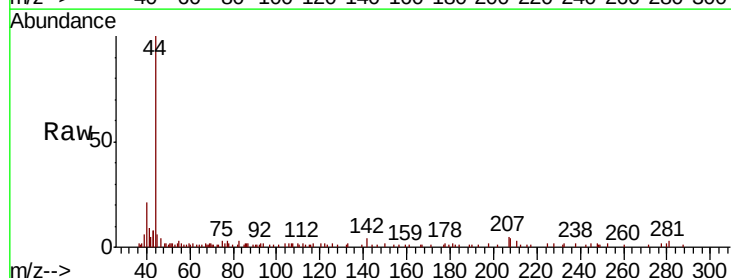
Acq: 17 May 2019 18:23

Tgt Ion: 85 Resp: 567

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.3#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

400

300

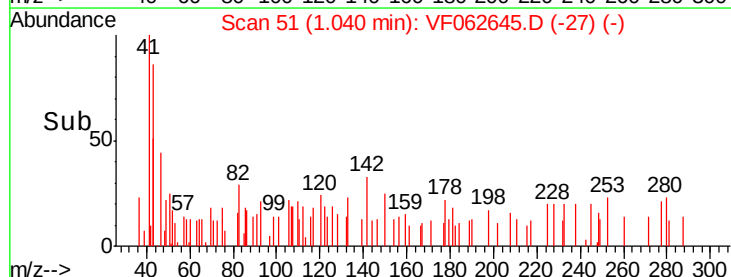
200

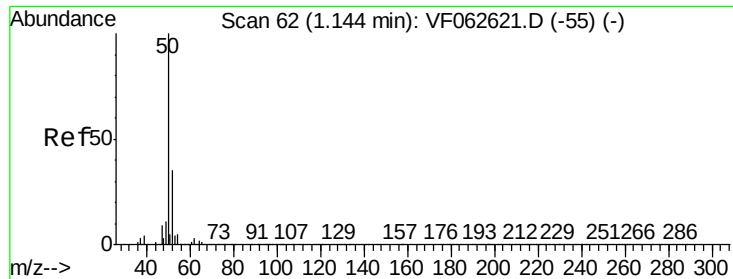
100

0

Time-->

1.00 1.05 1.10





#3

Chloromethane

Concen: 652.124 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.03 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

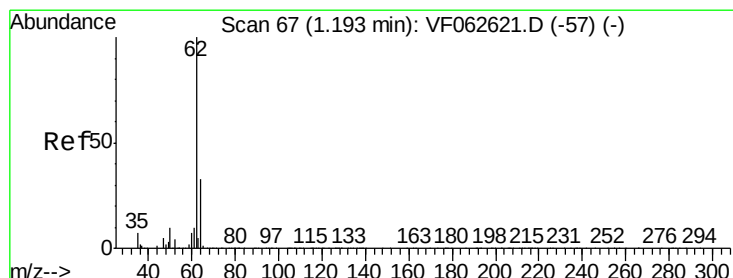
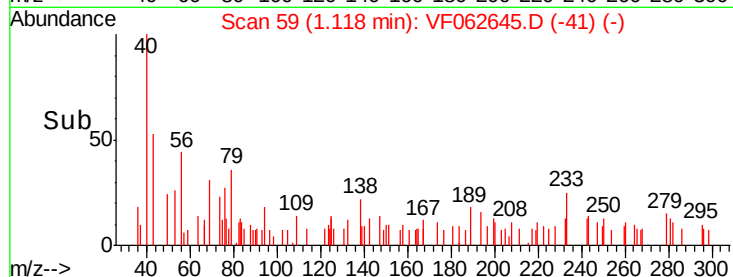
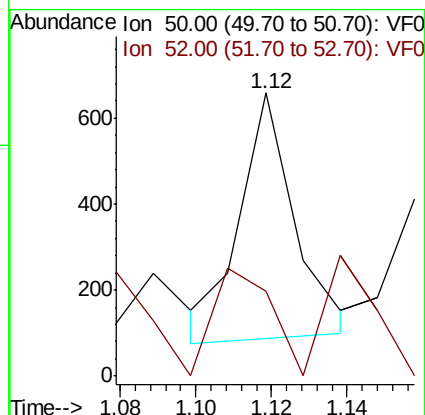
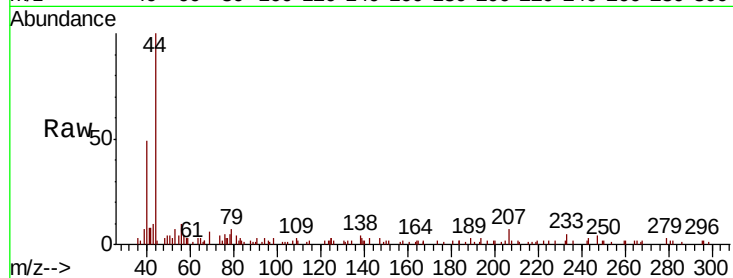
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 572

Ion Ratio Lower Upper

50 100

52 29.9 27.5 41.3



#4

Vinyl Chloride

Concen: 225.417 ug/l

RT: 1.06 min Scan# 53

Delta R.T. -0.13 min

Lab File: VF062645.D

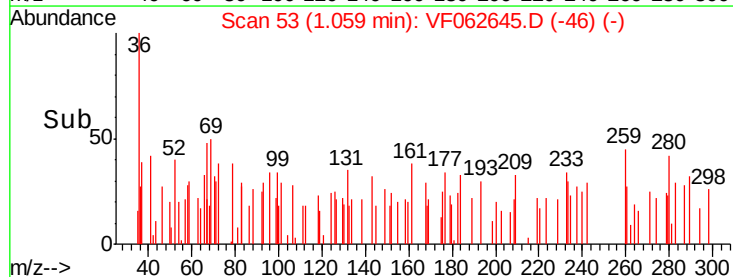
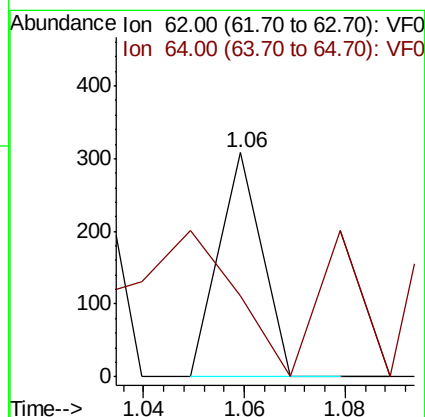
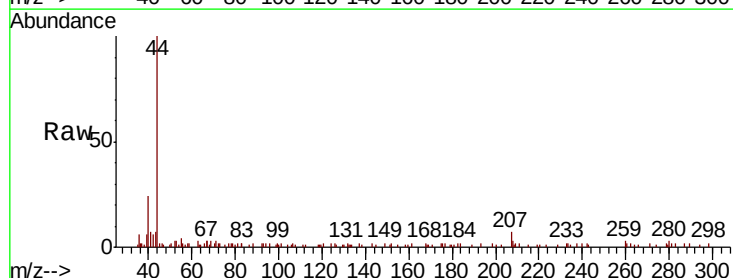
Acq: 17 May 2019 18:23

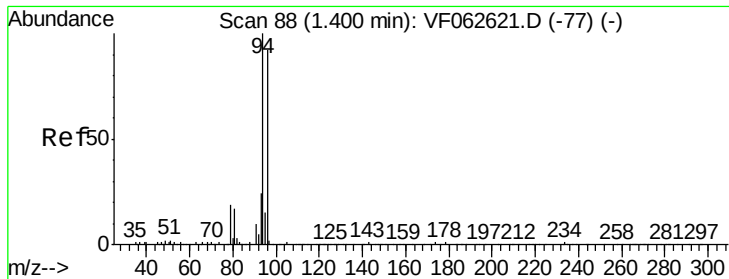
Tgt Ion: 62 Resp: 182

Ion Ratio Lower Upper

62 100

64 36.4 26.7 40.1





#5

Bromomethane

Concen: 1066.345 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.04 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

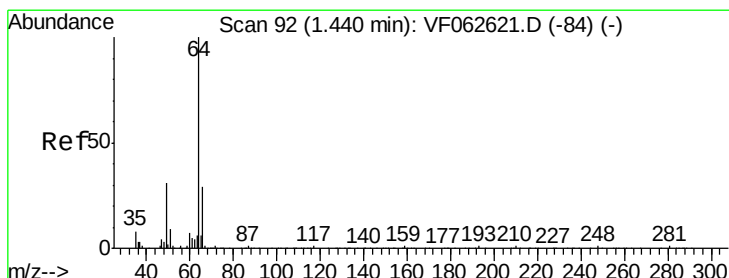
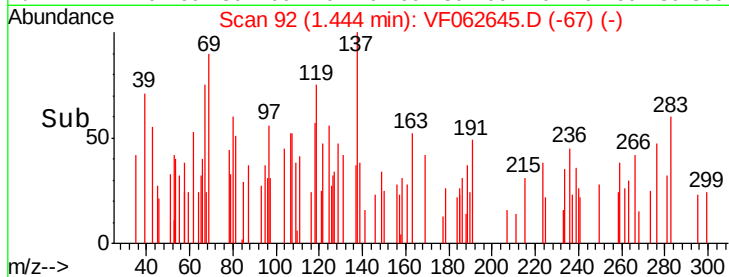
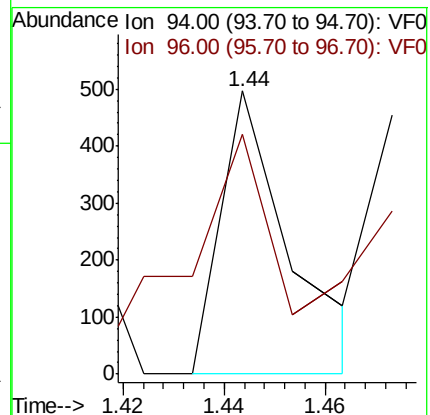
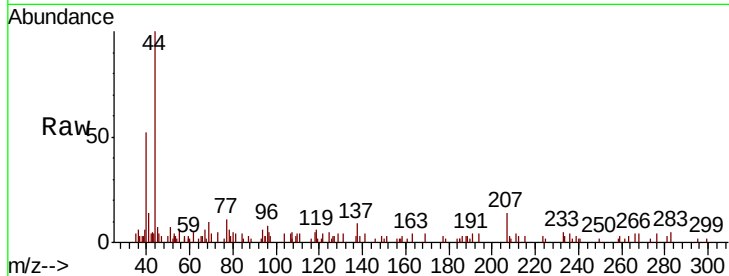
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 471

Ion Ratio Lower Upper

94 100

96 84.7 73.2 109.8



#6

Chloroethane

Concen: 1237.657 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062645.D

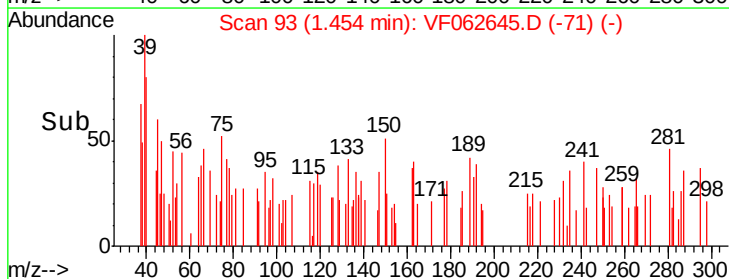
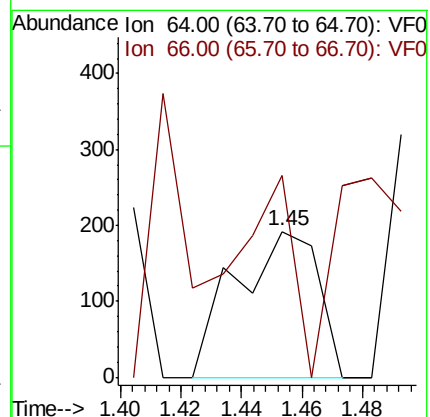
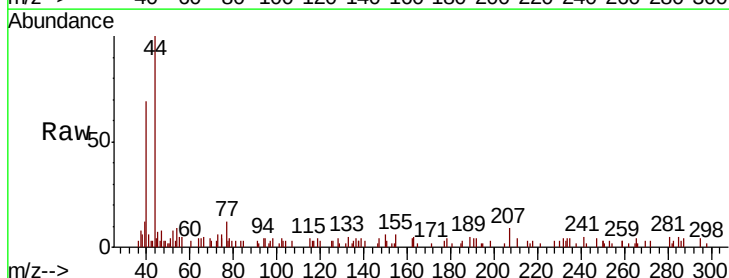
Acq: 17 May 2019 18:23

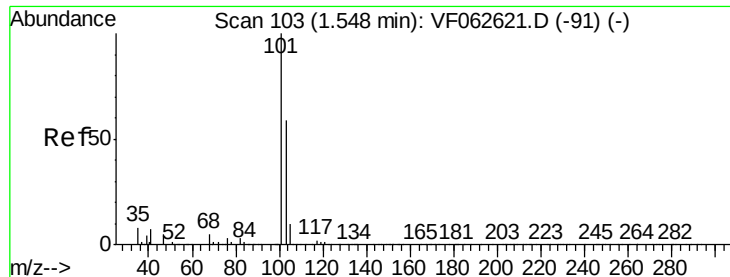
Tgt Ion: 64 Resp: 367

Ion Ratio Lower Upper

64 100

66 138.5 23.4 35.2#



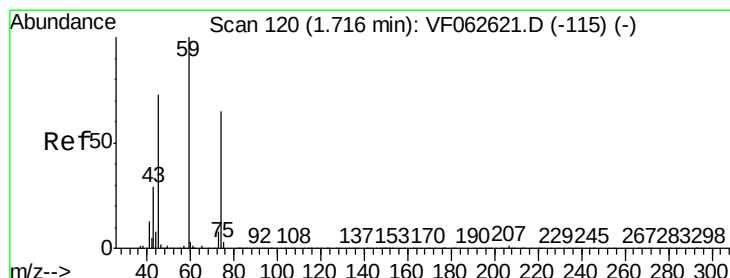
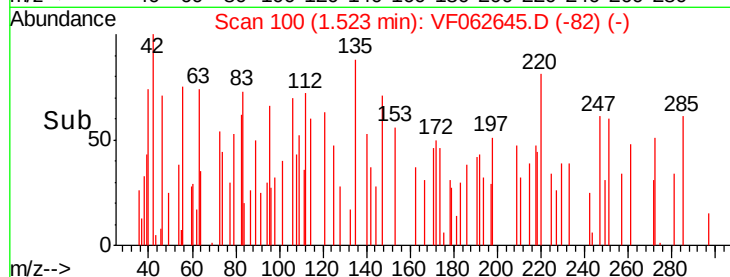
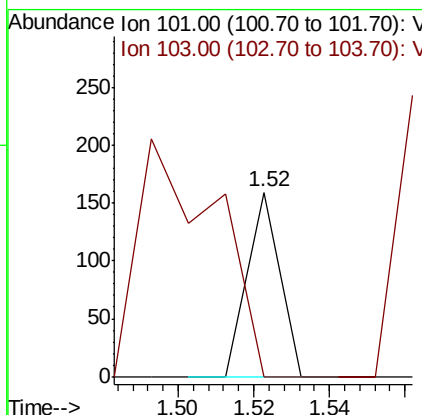
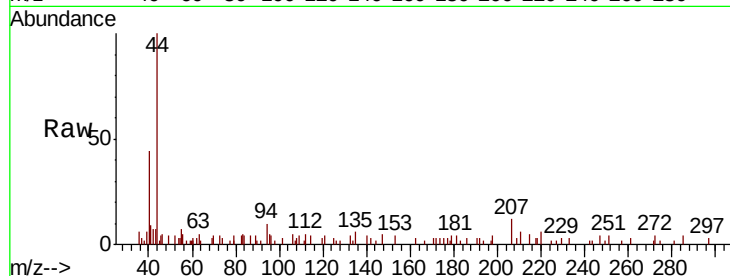


#7

Trichlorofluoromethane
Concen: 86.708 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.03 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

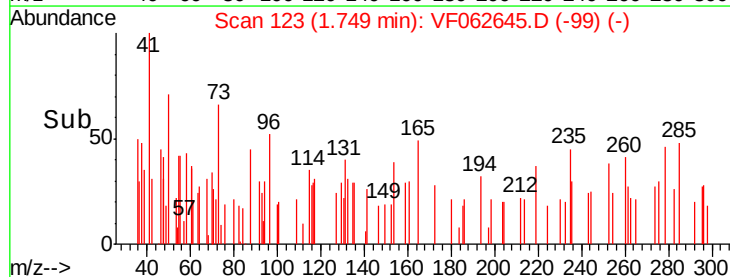
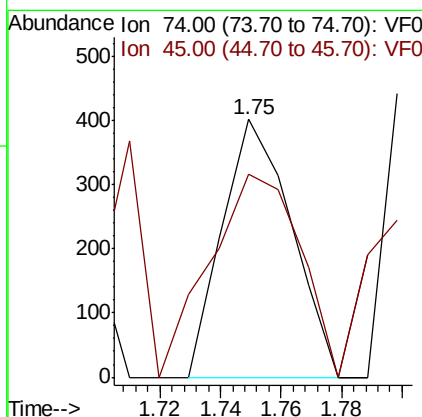
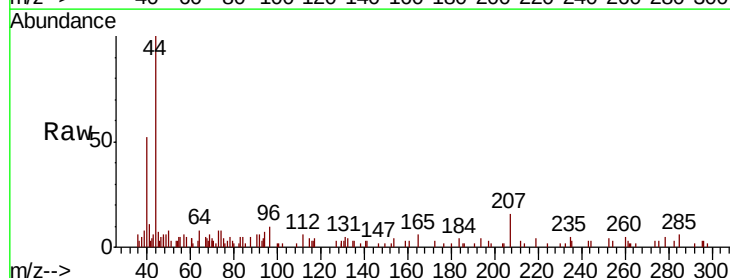
Tot Ion:101 Resp: 94
Ion Ratio Lower Upper
101 100
103 0.0 47.3 70.9#

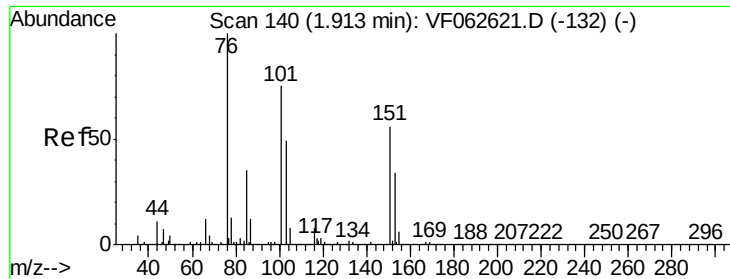


#8

Diethyl Ether
Concen: 2961.346 ug/l
RT: 1.75 min Scan# 123
Delta R.T. 0.03 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 74 Resp: 636
Ion Ratio Lower Upper
74 100
45 78.9 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 462.115 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062645.D

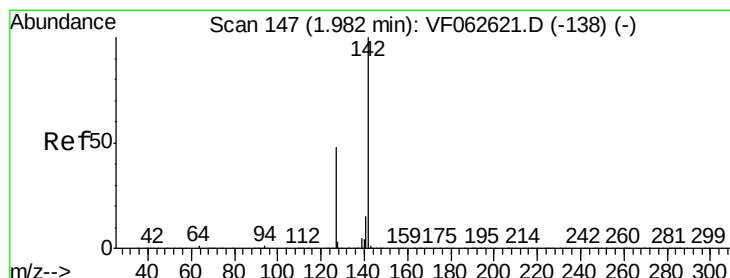
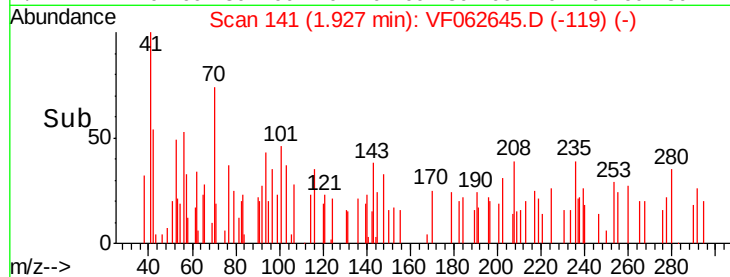
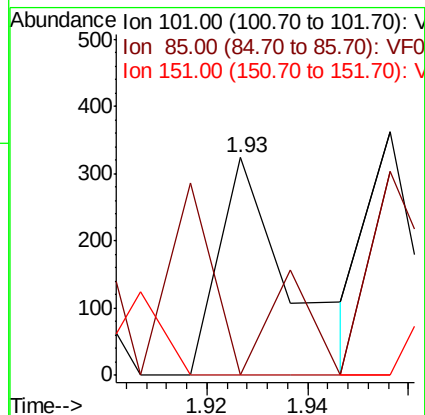
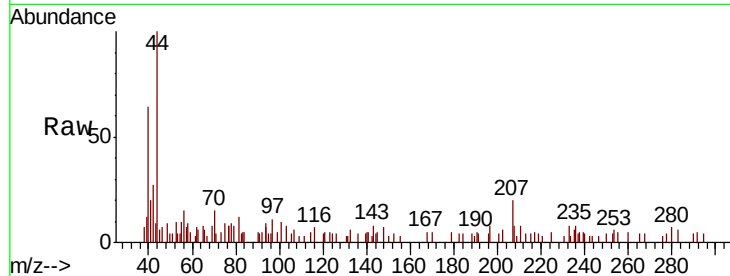
Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	101	Resp:	319
Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.1	55.7#
151	0.0	58.8	88.2#



#10

Methyl Iodide

Concen: 70.794 ug/l

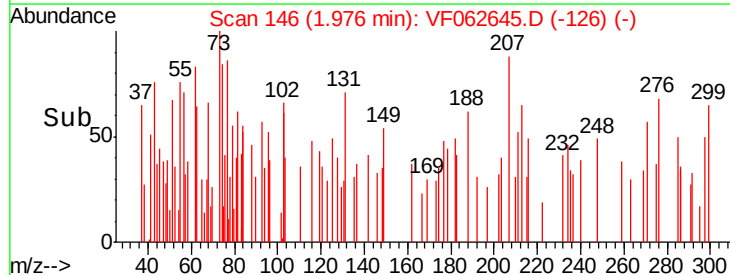
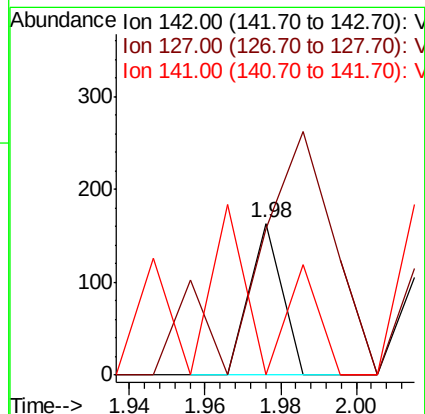
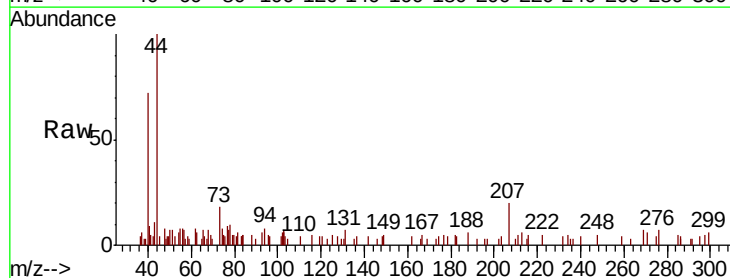
RT: 1.98 min Scan# 146

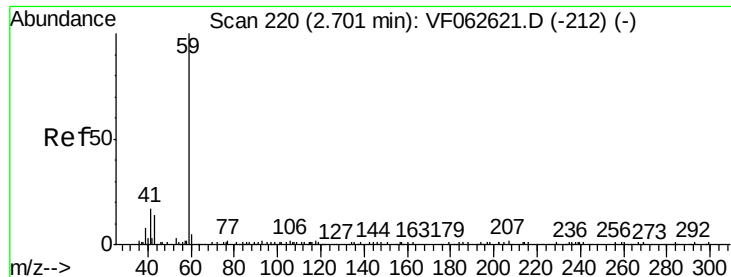
Delta R.T. -0.01 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion:	142	Resp:	96
Ion	Ratio	Lower	Upper
142	100		
127	96.9	38.1	57.1#
141	100.0	11.7	17.5#

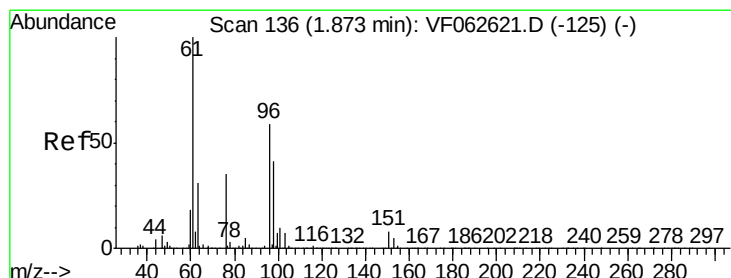
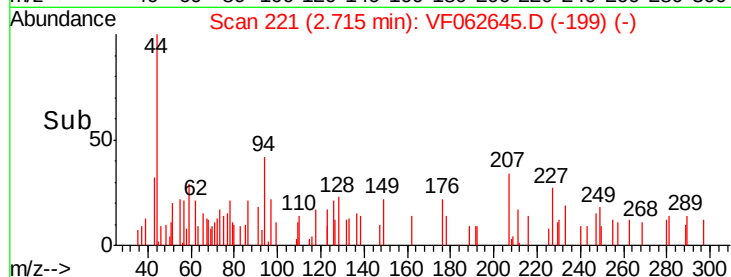
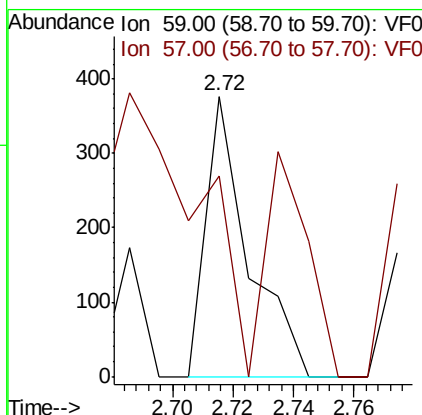
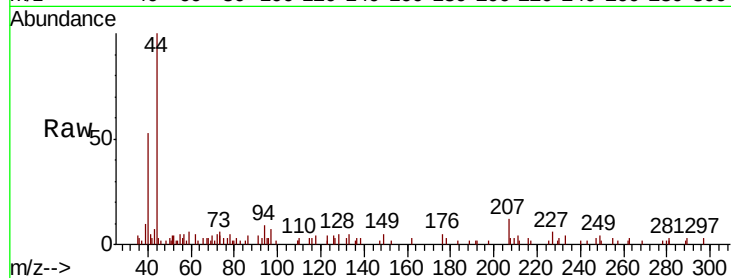




#11
Tert butyl alcohol
Concen: 11176.605 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

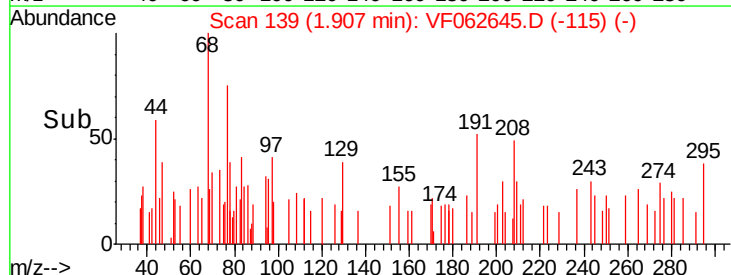
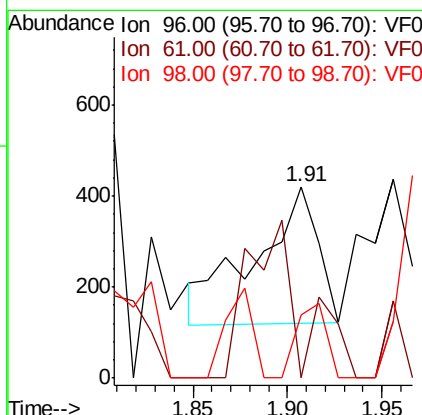
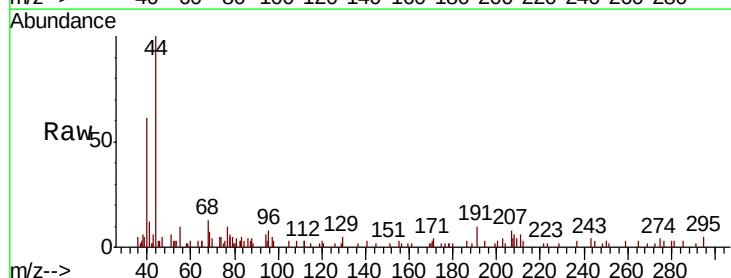
Instrument :
MSVOA_F
ClientSampled :

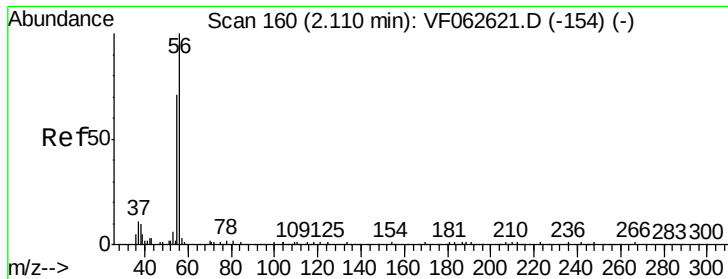
Tot Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 71.4 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 1097.279 ug/l
RT: 1.91 min Scan# 139
Delta R.T. 0.03 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 96 Resp: 690
Ion Ratio Lower Upper
96 100
61 0.0 134.3 201.5#
98 33.0 55.0 82.6#

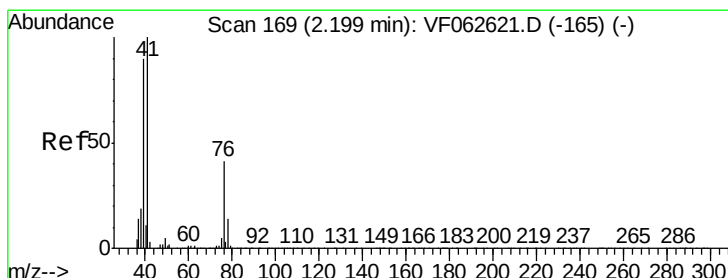
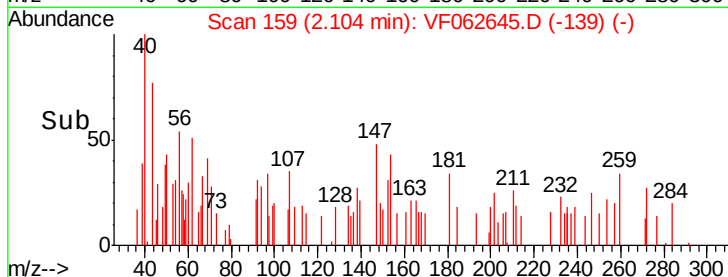
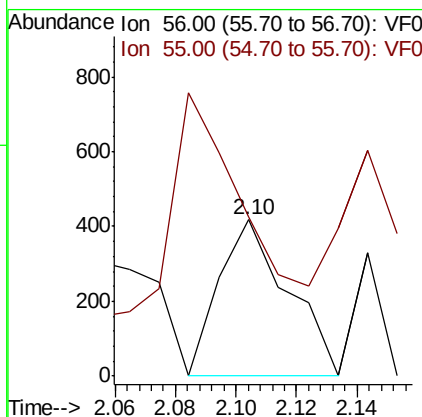
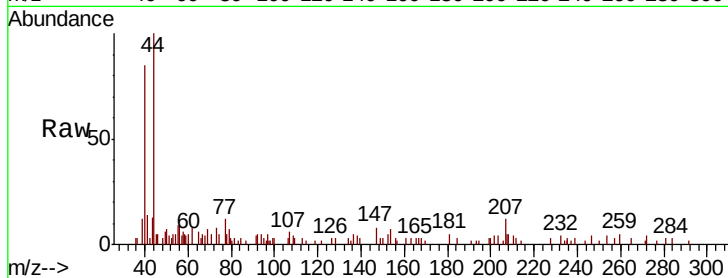




#13
Acrolein
Concen: 19331.305 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

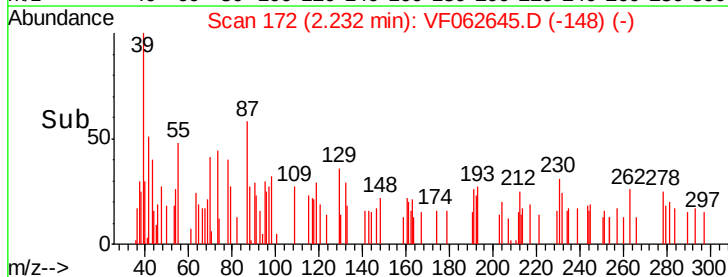
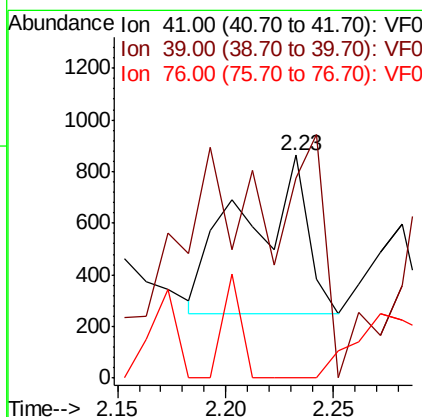
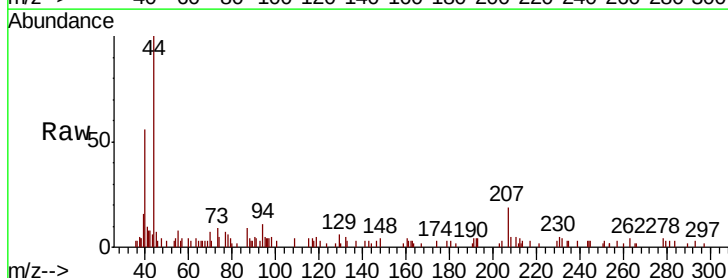
Instrument :
MSVOA_F
ClientSampled :

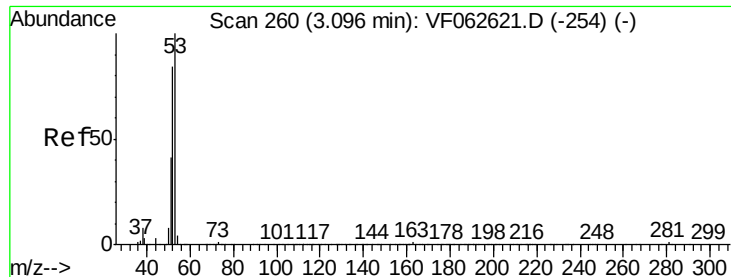
Tot Ion: 56 Resp: 659
Ion Ratio Lower Upper
56 100
55 101.7 59.4 89.0#



#14
Allyl chloride
Concen: 2168.239 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.03 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 41 Resp: 1234
Ion Ratio Lower Upper
41 100
39 89.8 72.0 108.0
76 0.0 34.8 52.2#





#15

Acrylonitrile

Concen: 7989.483 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

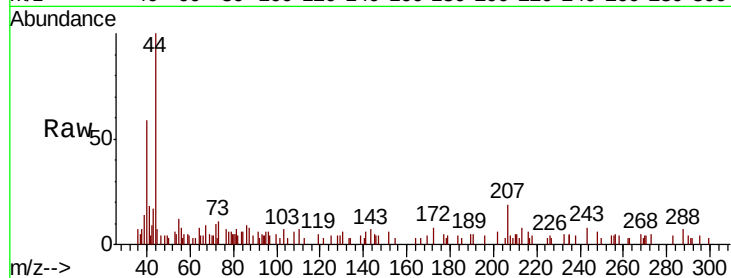
Lab File: VF062645.D

Acq: 17 May 2019 18:23

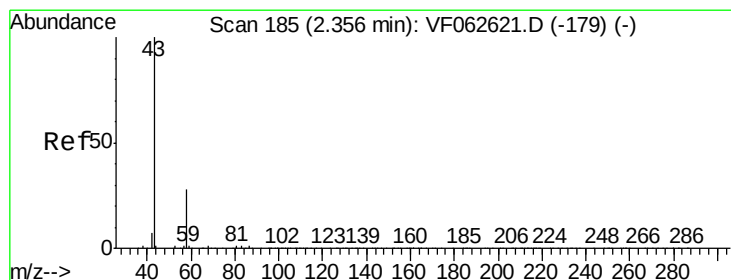
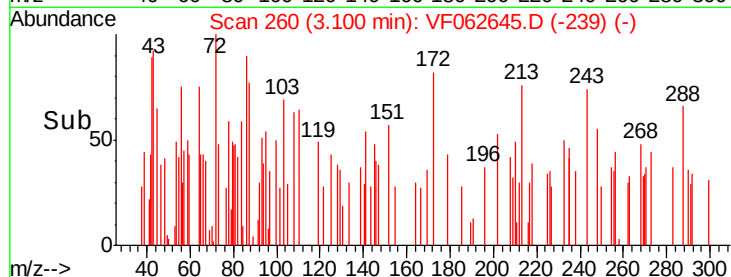
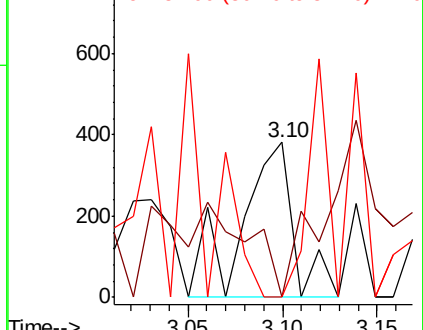
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 736

Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.3	100.9#
51	0.0	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



#16

Acetone

Concen: 3615.698 ug/l

RT: 2.40 min Scan# 189

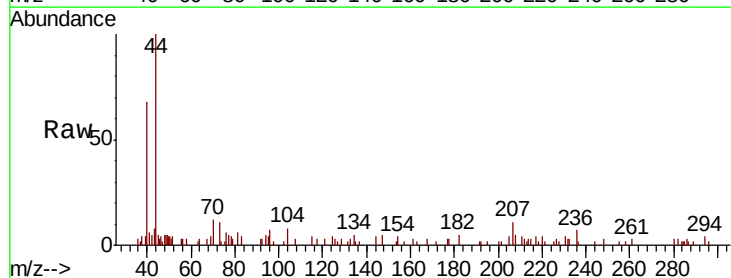
Delta R.T. 0.04 min

Lab File: VF062645.D

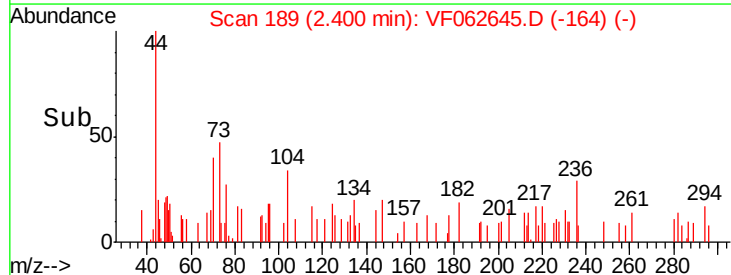
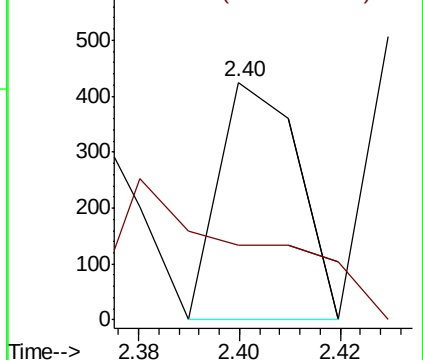
Acq: 17 May 2019 18:23

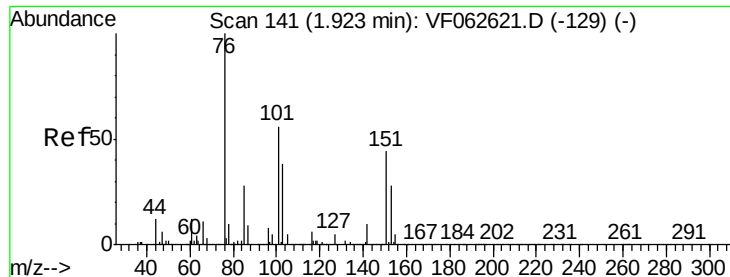
Tgt Ion: 43 Resp: 464

Ion	Ratio	Lower	Upper
43	100		
58	31.5	22.6	33.8



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





#17

Carbon Disulfide

Concen: 244.121 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.04 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

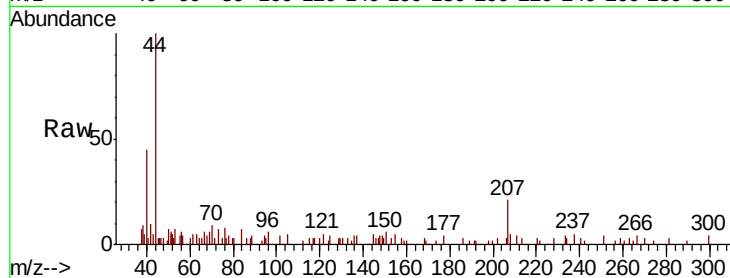
ClientSampled :

Tot Ion: 76 Resp: 455

Ion Ratio Lower Upper

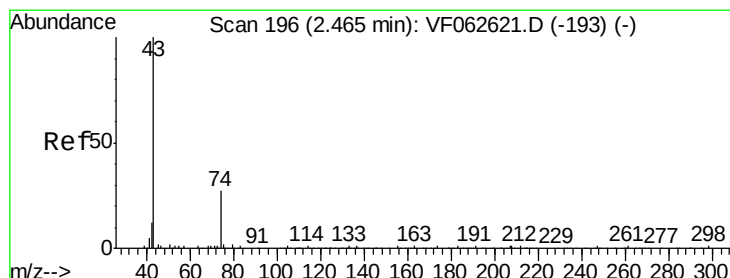
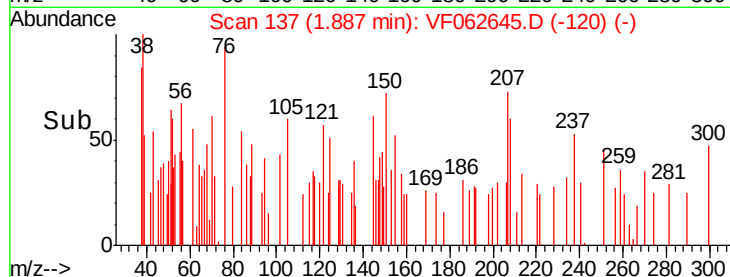
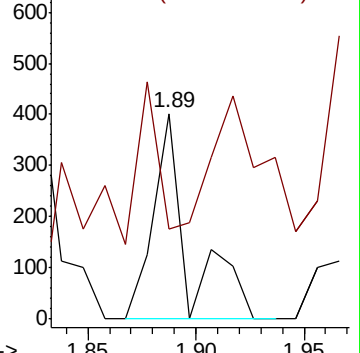
76 100

78 43.5 8.4 12.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 2300.890 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.07 min

Lab File: VF062645.D

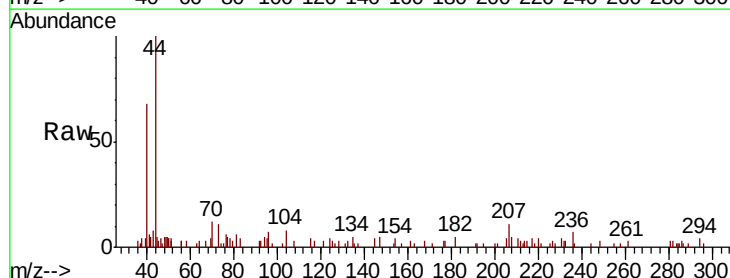
Acq: 17 May 2019 18:23

Tgt Ion: 43 Resp: 464

Ion Ratio Lower Upper

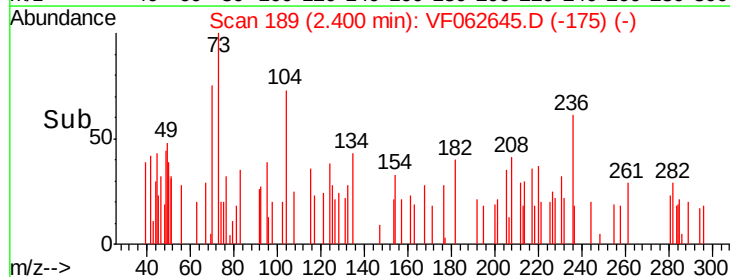
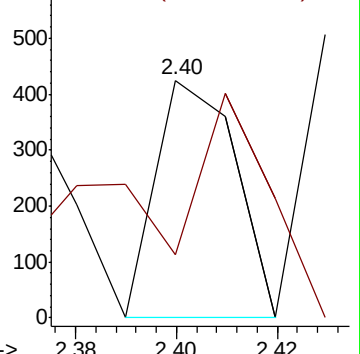
43 100

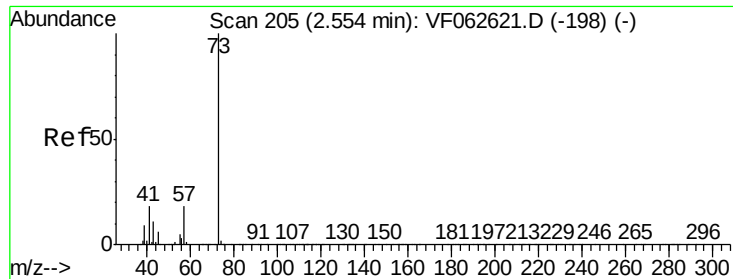
74 26.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



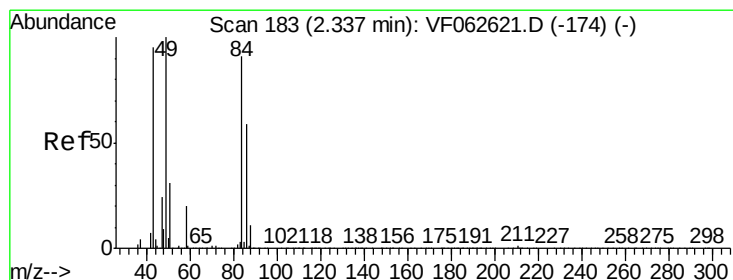
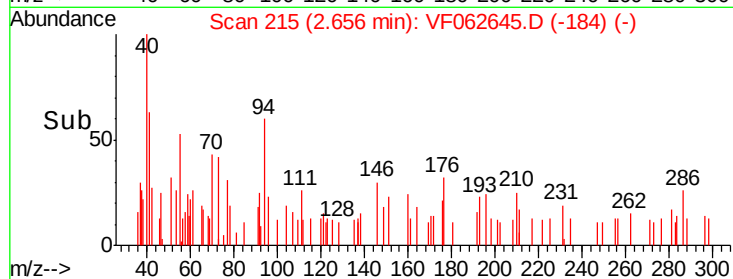
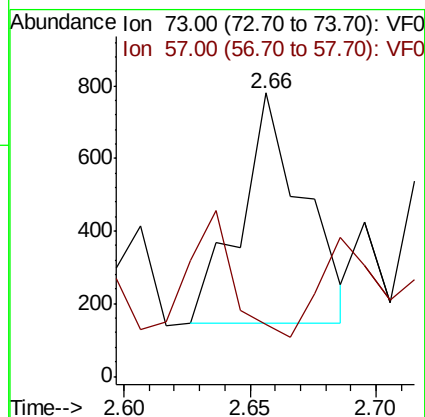
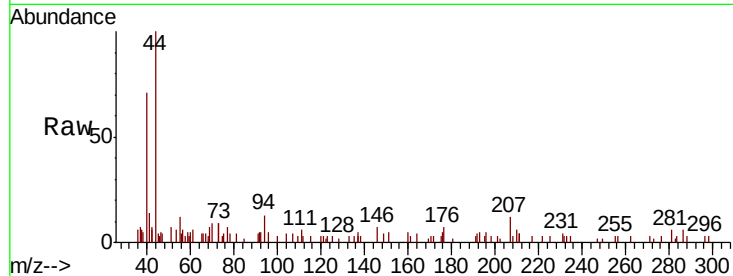


#19

Methyl tert-butyl Ether
Concen: 974.978 ug/l
RT: 2.66 min Scan# 215
Delta R.T. 0.10 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

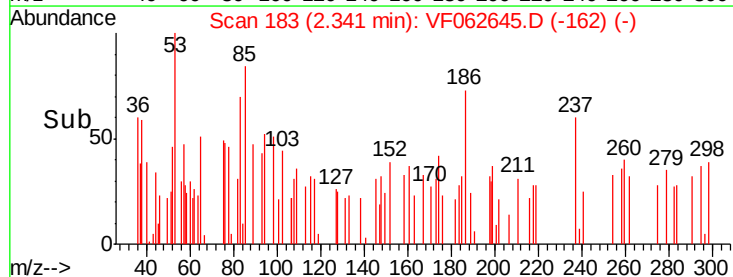
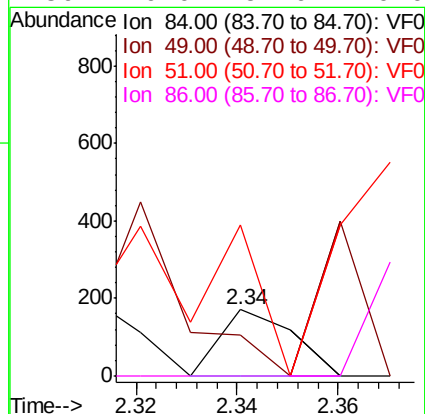
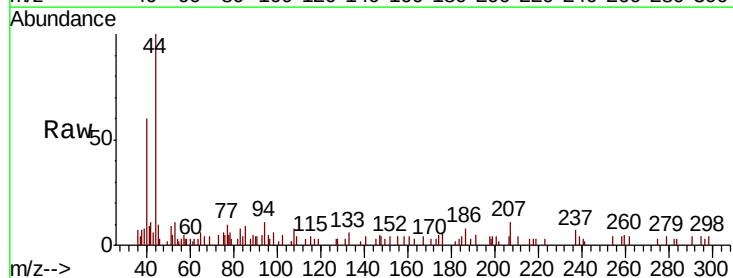
Tot Ion: 73 Resp: 1096
Ion Ratio Lower Upper
73 100
57 18.5 14.2 21.4

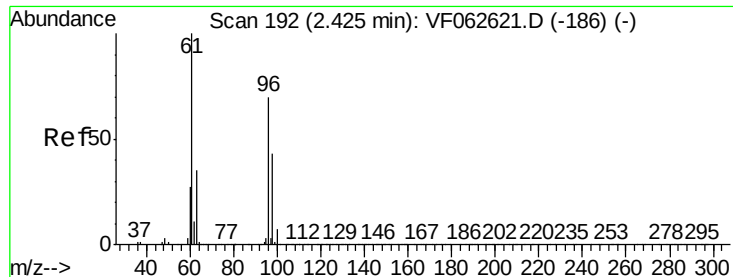


#20

Methylene Chloride
Concen: 267.395 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 84 Resp: 172
Ion Ratio Lower Upper
84 100
49 61.4 89.8 134.8#
51 228.7 28.4 42.6#
86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 2352.635 ug/l

RT: 2.46 min Scan# 195

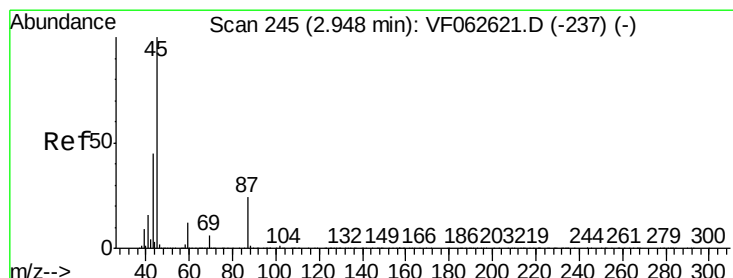
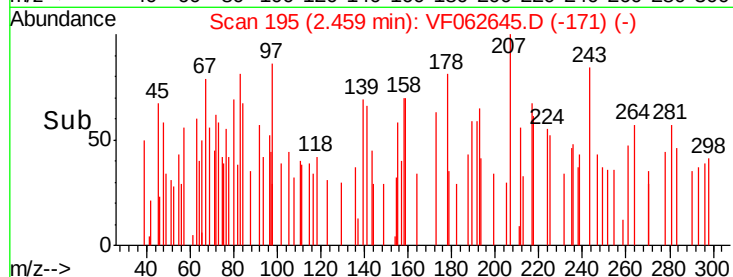
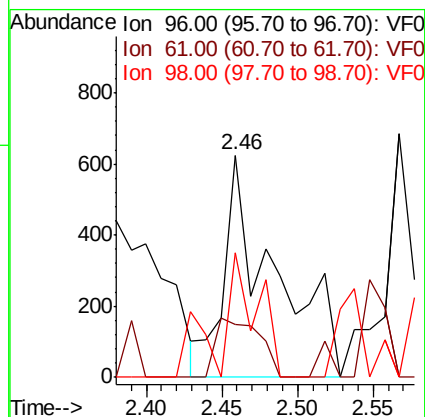
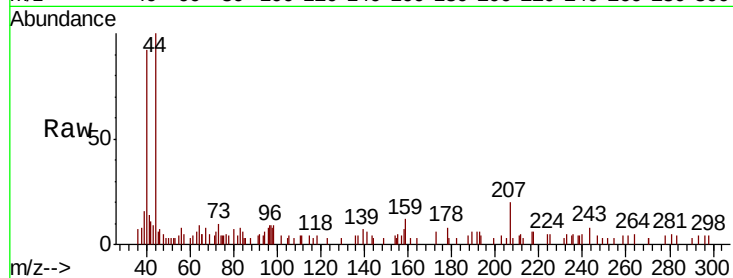
Delta R.T. 0.03 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	96	Resp:	1446
Ion	Ratio	Lower	Upper
96	100		
61	23.6	114.6	171.8#
98	56.4	49.5	74.3



#22

Diisopropyl ether

Concen: 349.795 ug/l

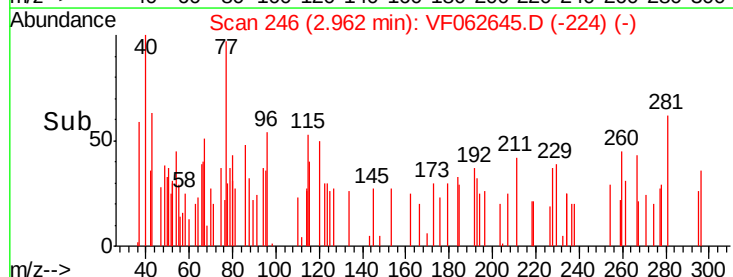
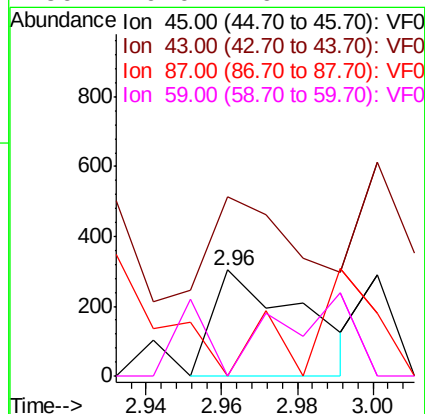
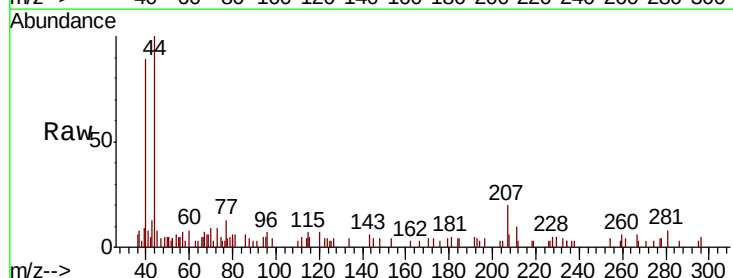
RT: 2.96 min Scan# 246

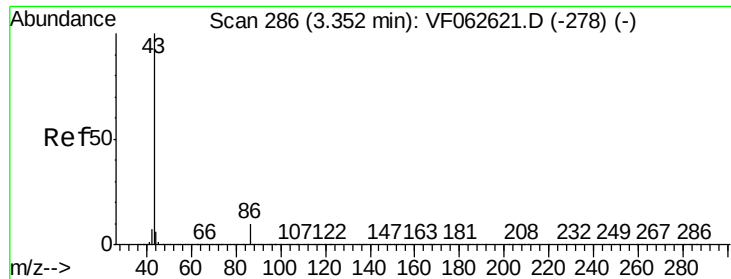
Delta R.T. 0.01 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion:	45	Resp:	491
Ion	Ratio	Lower	Upper
45	100		
43	168.8	36.4	54.6#
87	0.0	19.3	28.9#
59	0.0	9.4	14.2#





#23

Vinyl Acetate

Concen: 643.161 ug/l

RT: 3.42 min Scan# 293

Delta R.T. 0.07 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

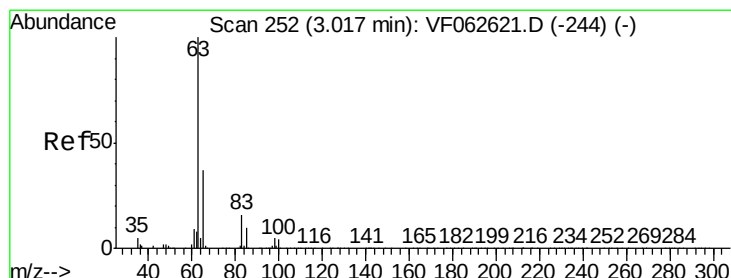
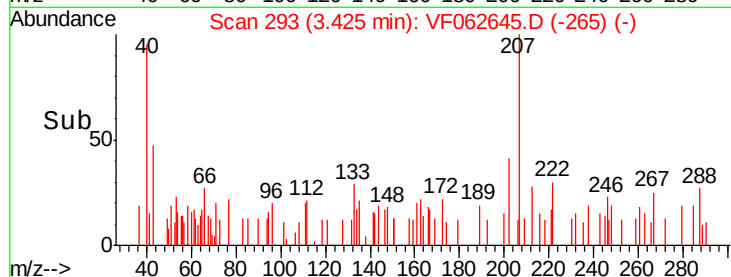
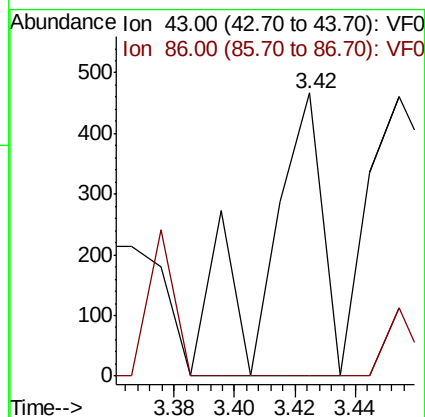
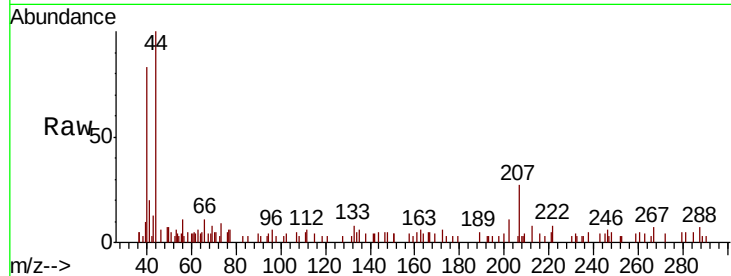
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 609

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 303.960 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

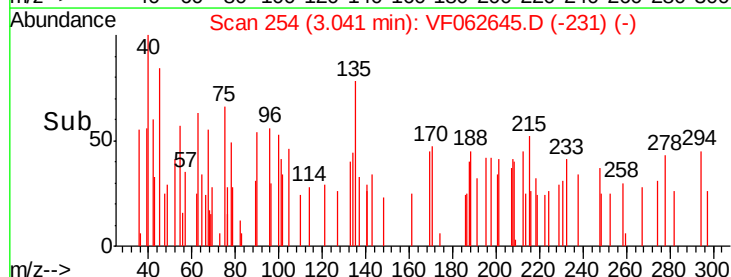
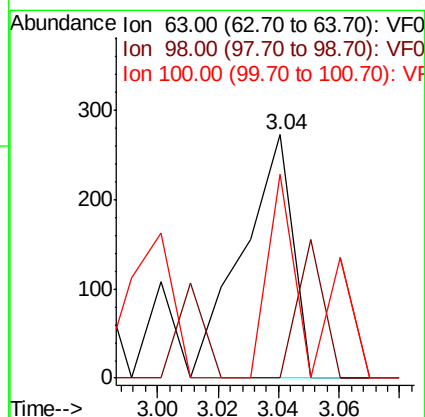
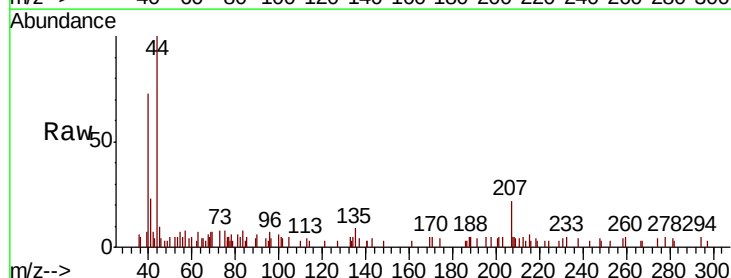
Tgt Ion: 63 Resp: 313

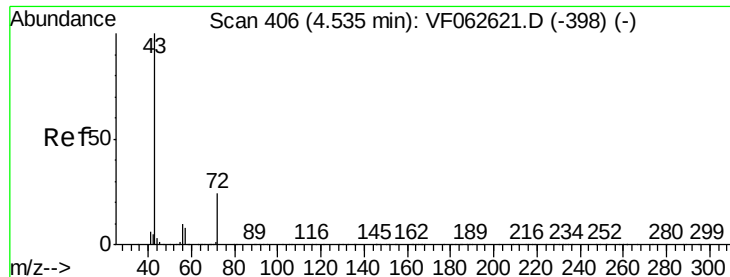
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 83.5 1.9 5.7#

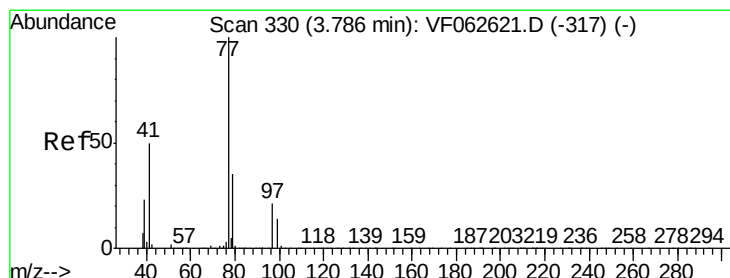
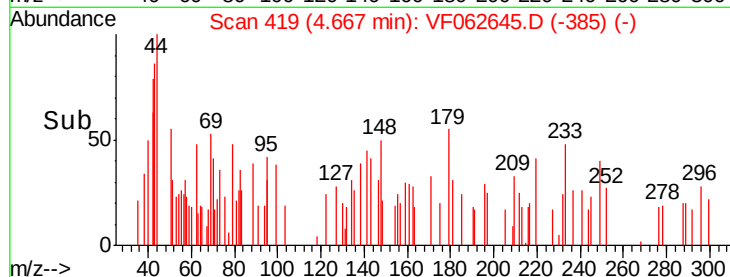
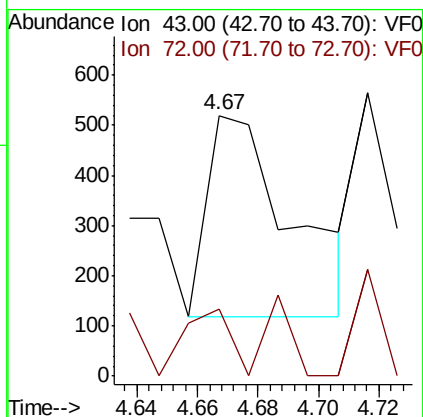
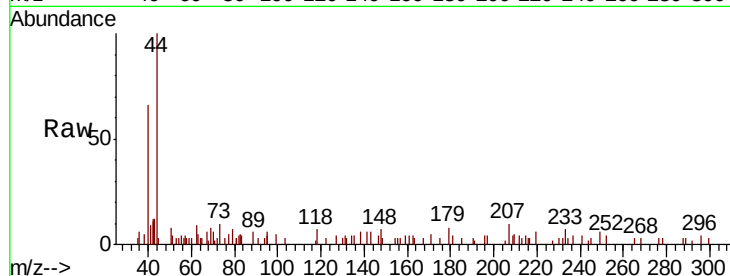




#25
2-Butanone
Concen: 2823.016 ug/l
RT: 4.67 min Scan# 419
Delta R.T. 0.13 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

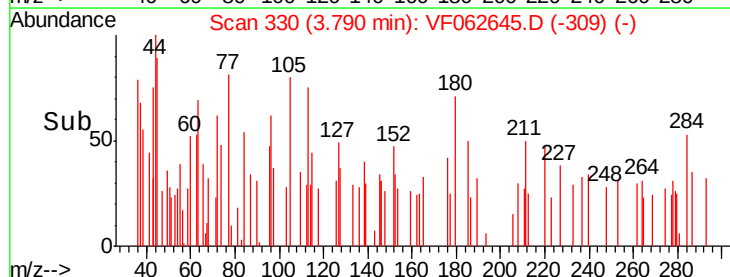
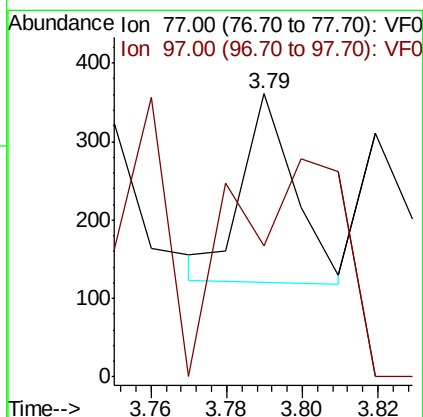
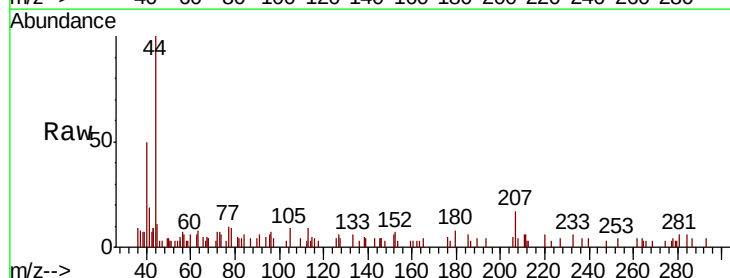
Instrument :
MSVOA_F
ClientSampled :

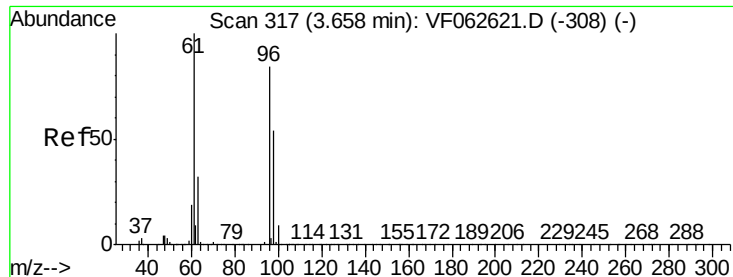
Tot Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
72 25.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 386.979 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 77 Resp: 228
Ion Ratio Lower Upper
77 100
97 46.3 14.1 42.4#



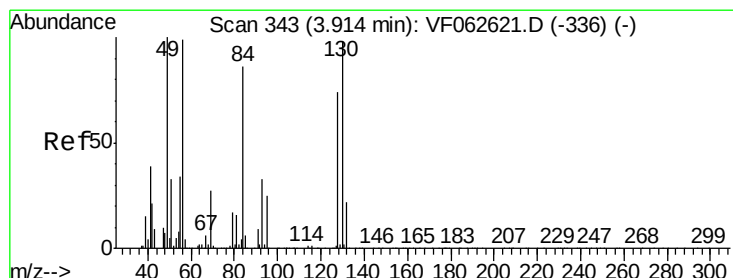
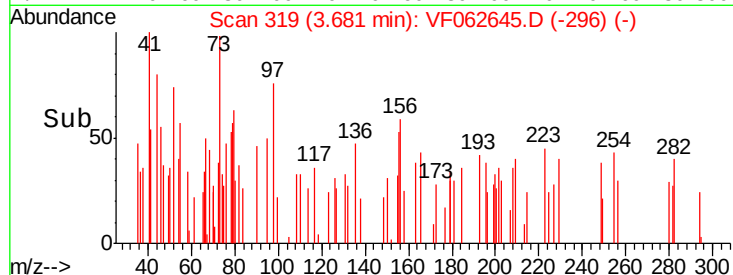
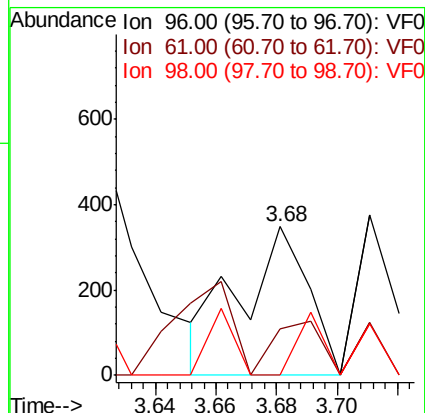
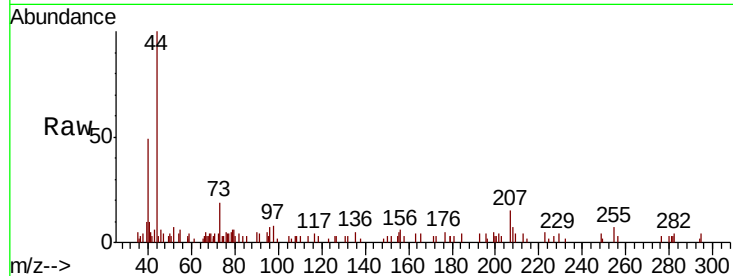


#27

cis-1,2-Dichloroethene
 Concen: 534.120 ug/l
 RT: 3.68 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

Instrument :
 MSVOA_F
 ClientSampled :

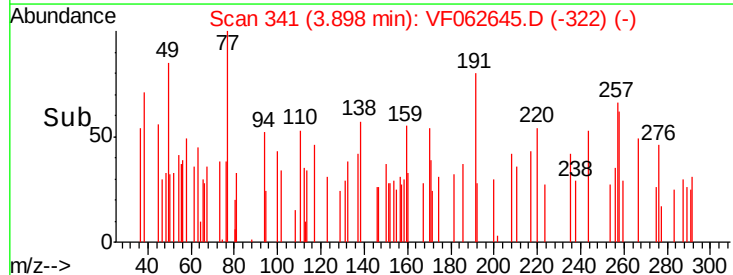
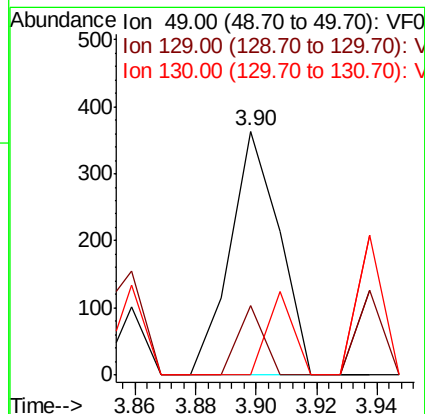
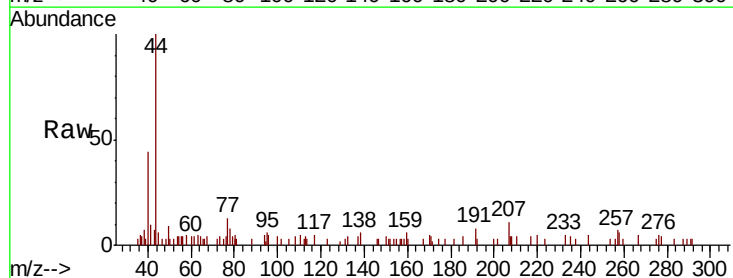
Tot Ion: 96 Resp: 540
 Ion Ratio Lower Upper
 96 100
 61 30.9 0.0 237.4
 98 0.0 0.0 129.0

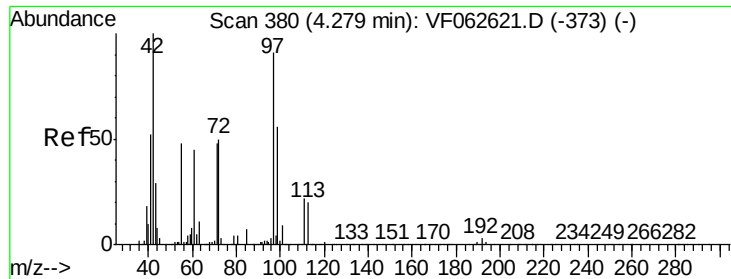


#28

Bromochloromethane
 Concen: 709.925 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

Tgt Ion: 49 Resp: 410
 Ion Ratio Lower Upper
 49 100
 129 28.4 0.0 4.0#
 130 0.0 77.8 116.8#

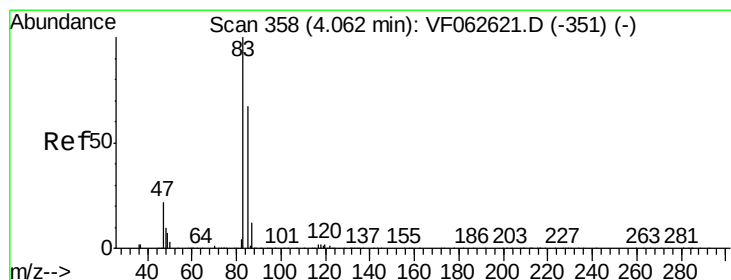
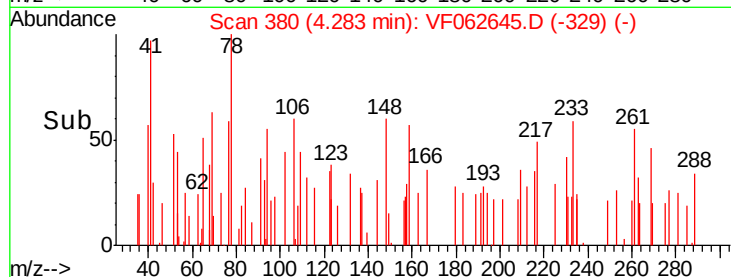
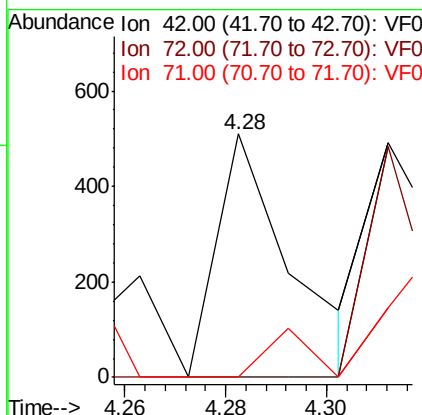
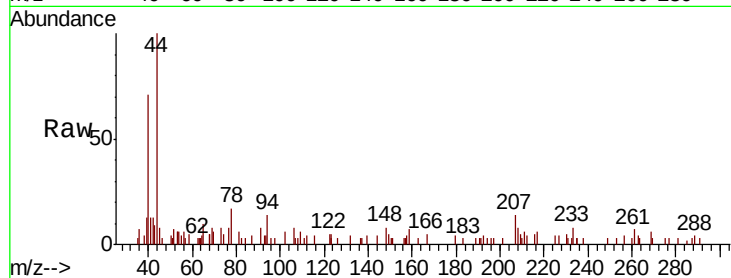




#29
Tetrahydrofuran
Concen: 4623.742 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

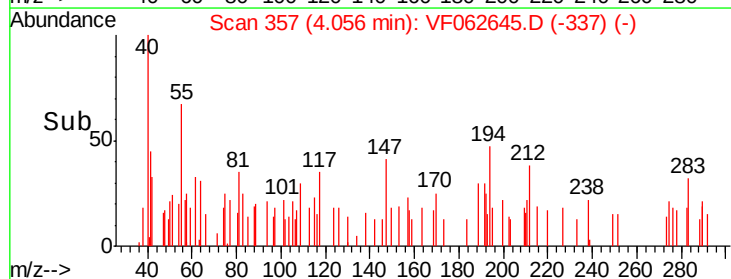
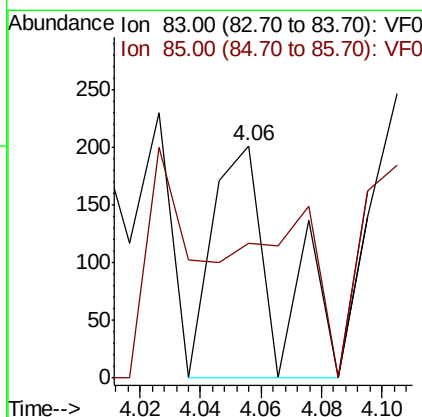
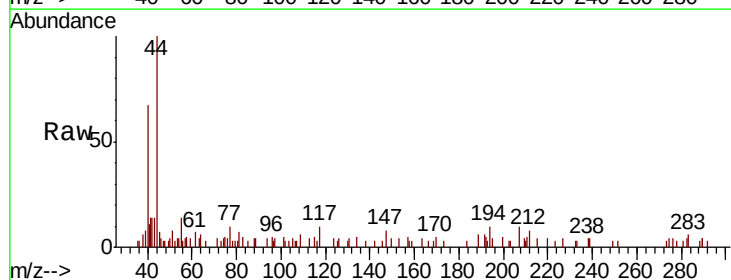
Instrument :
MSVOA_F
ClientSampled :

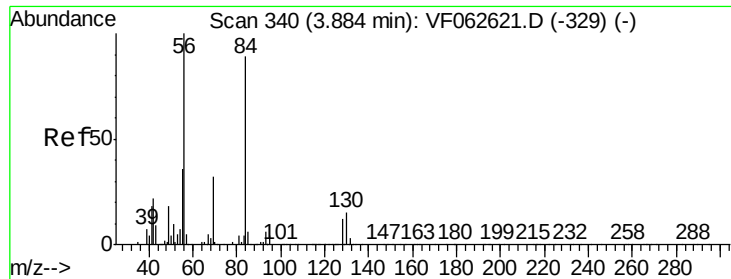
Tot Ion: 42 Resp: 513
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.2#
71 0.0 35.8 53.6#



#30
Chloroform
Concen: 209.835 ug/l
RT: 4.06 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 83 Resp: 300
Ion Ratio Lower Upper
83 100
85 57.7 53.6 80.4





#31

Cyclohexane

Concen: 985.075 ug/l

RT: 3.92 min Scan# 343

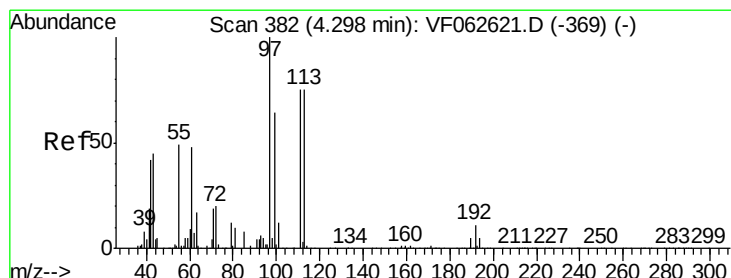
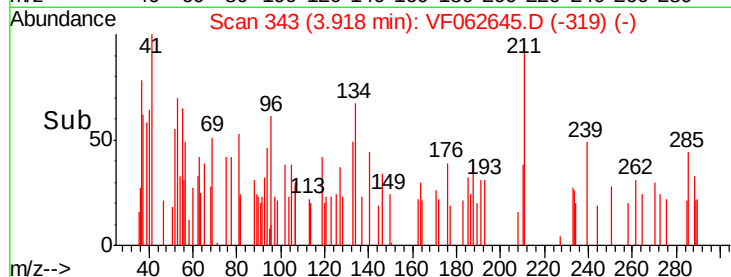
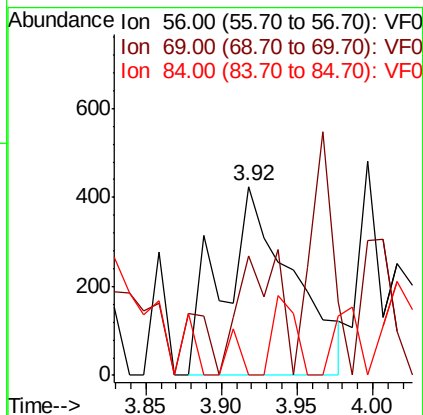
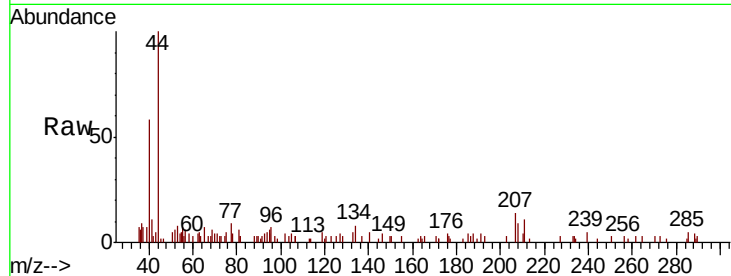
Delta R.T. 0.03 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	56	Resp:	1362
Ion	Ratio	Lower	Upper
56	100		
69	63.4	25.3	37.9#
84	0.0	71.0	106.4#



#32

1,1,1-Trichloroethane

Concen: 132.703 ug/l

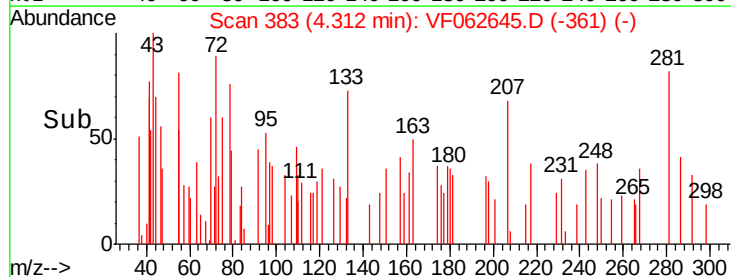
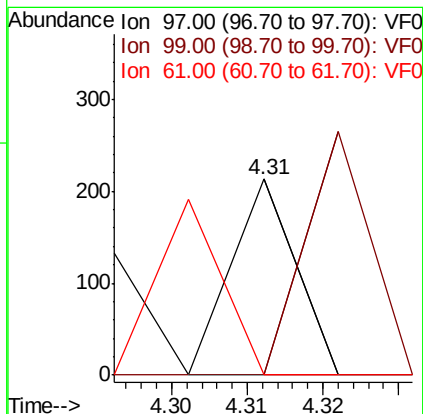
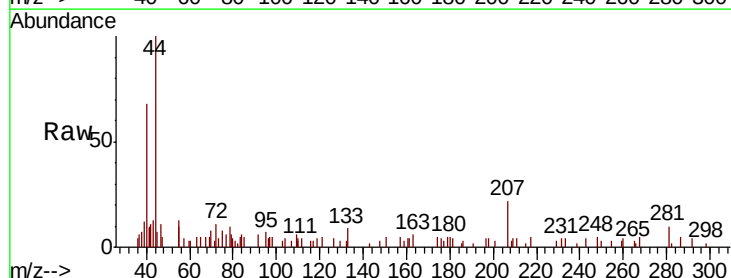
RT: 4.31 min Scan# 383

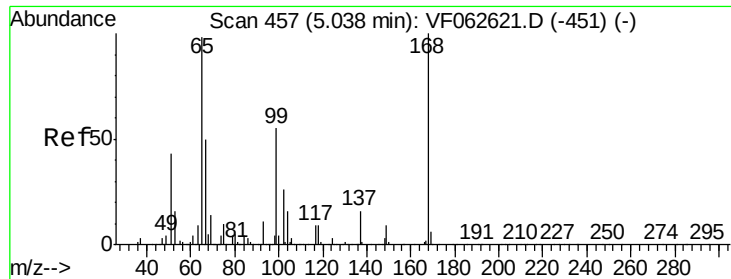
Delta R.T. 0.01 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion:	97	Resp:	126
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	0.0	38.2	57.2#

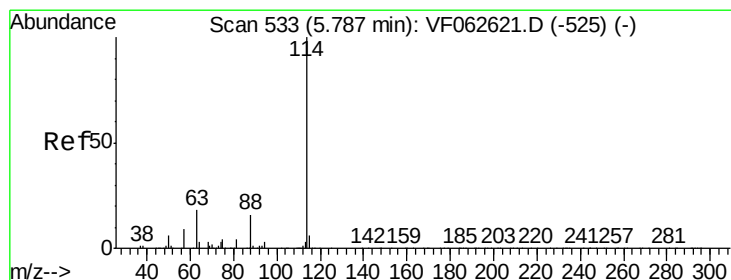
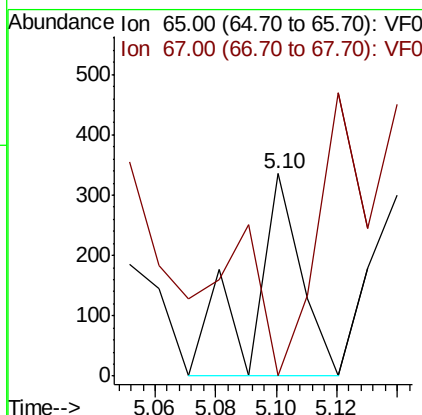
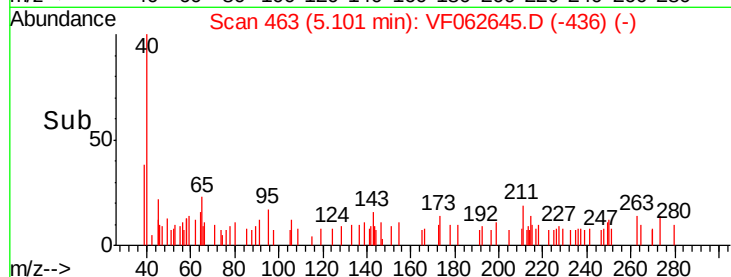
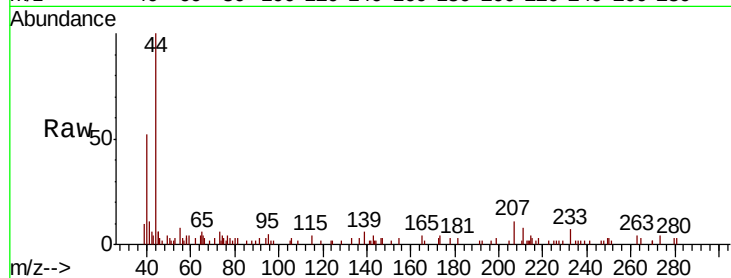




#33
 1,2-Dichloroethane-d4
 Concen: 768.213 ug/l
 RT: 5.10 min Scan# 463
 Delta R.T. 0.06 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

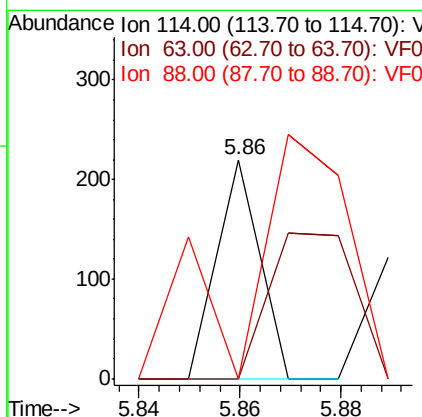
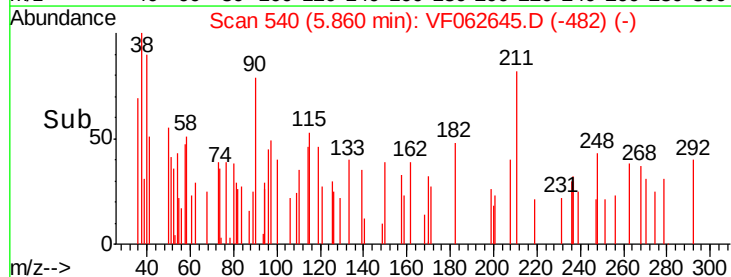
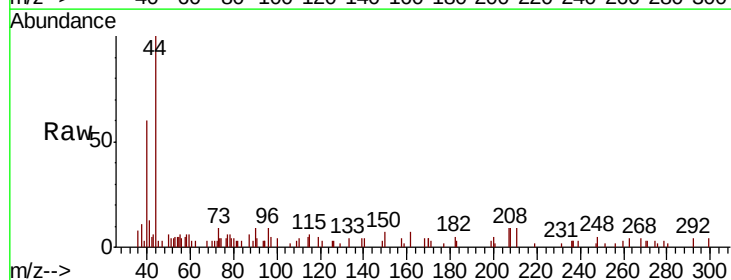
Instrument :
 MSVOA_F
 ClientSampleId :

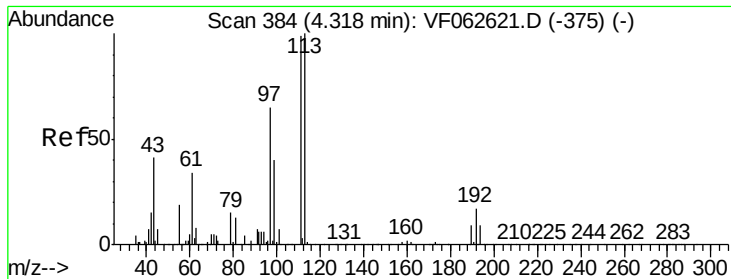
Tot Ion: 65 Resp: 380
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 540
 Delta R.T. 0.07 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

Tgt Ion: 114 Resp: 130
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 35.4
 88 0.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 186.979 ug/l

RT: 4.36 min Scan# 388

Delta R.T. 0.04 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

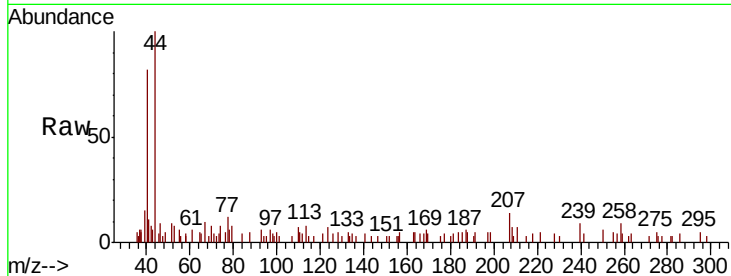
Tot Ion:113 Resp: 186

Ion Ratio Lower Upper

113 100

111 111.8 79.4 119.2

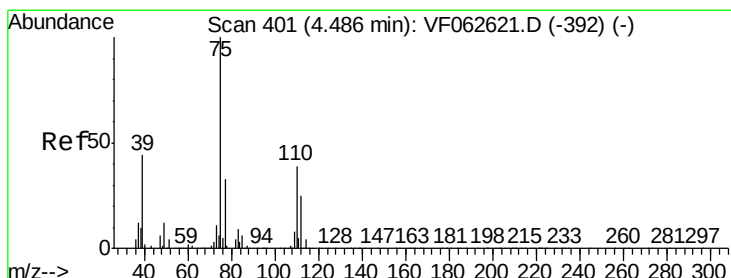
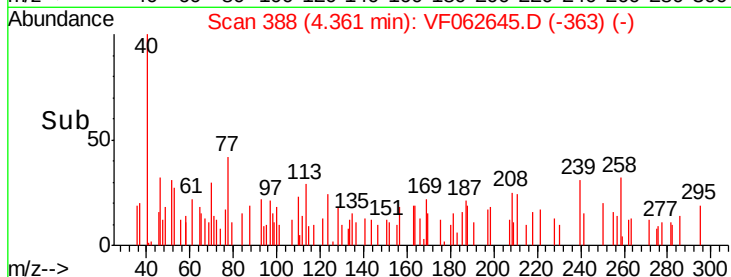
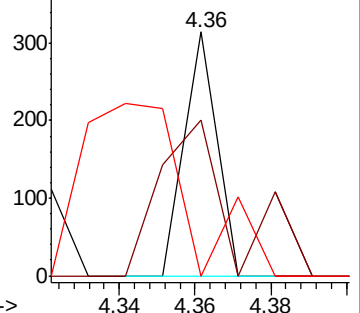
192 0.0 13.4 20.2#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 777.721 ug/l

RT: 4.57 min Scan# 409

Delta R.T. 0.08 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

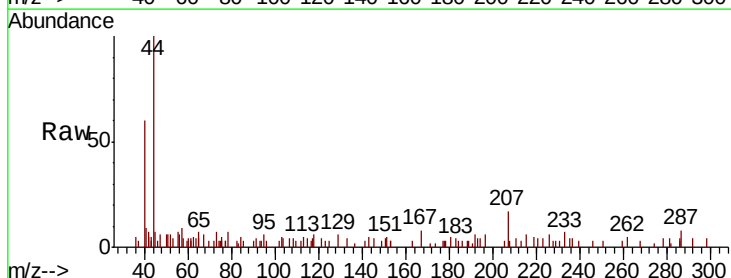
Tgt Ion: 75 Resp: 1036

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

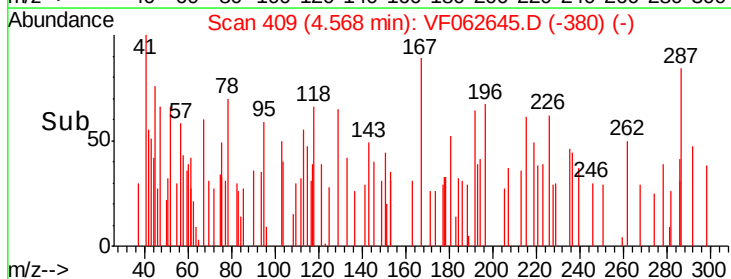
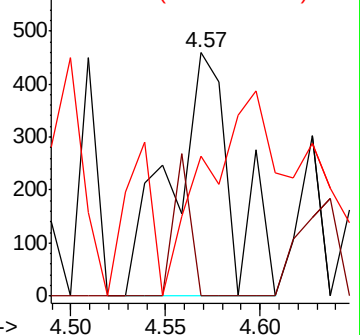
77 57.5 26.3 39.5#

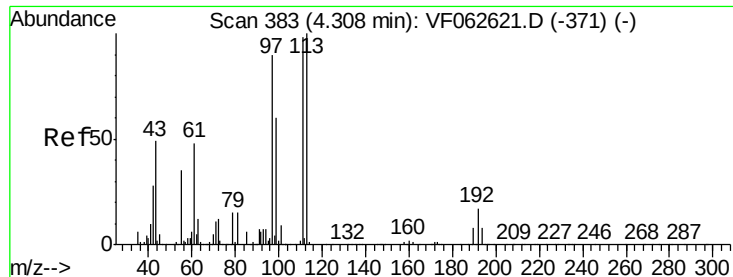


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

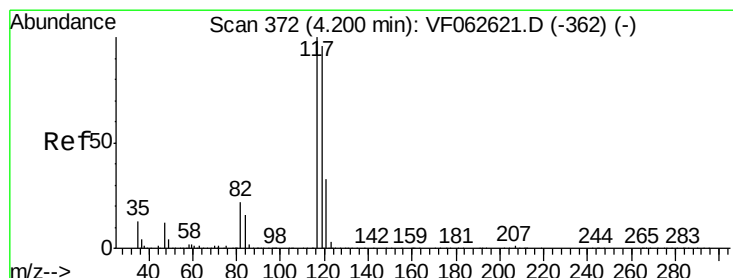
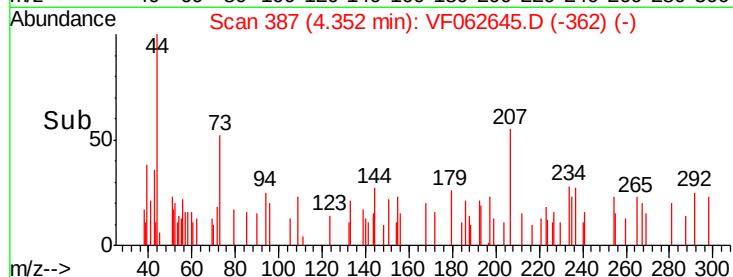
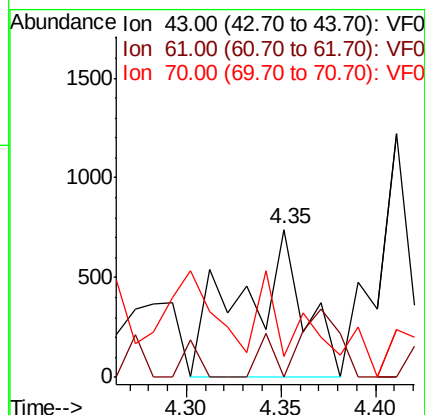
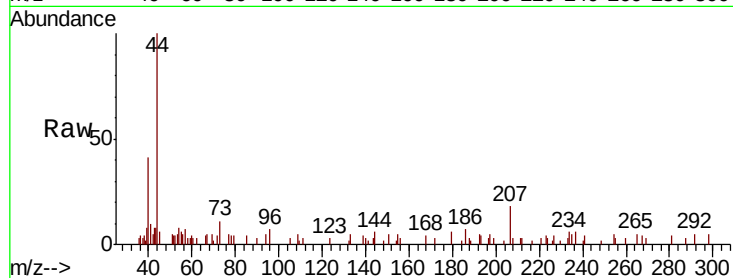




#37
Ethyl Acetate
Concen: 3153.165 ug/l
RT: 4.35 min Scan# 387
Delta R.T. 0.04 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

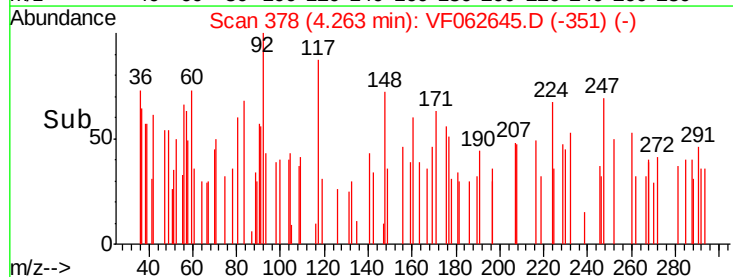
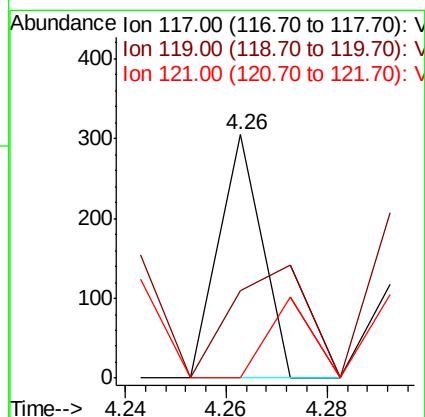
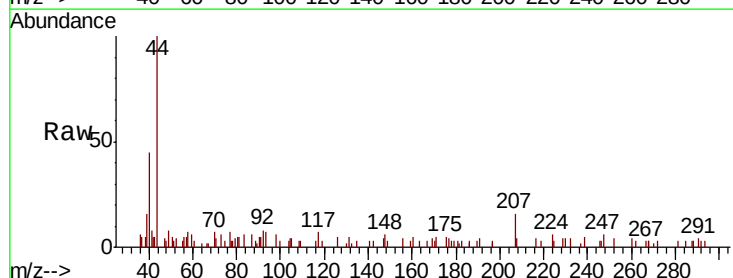
Instrument :
MSVOA_F
ClientSampleId :

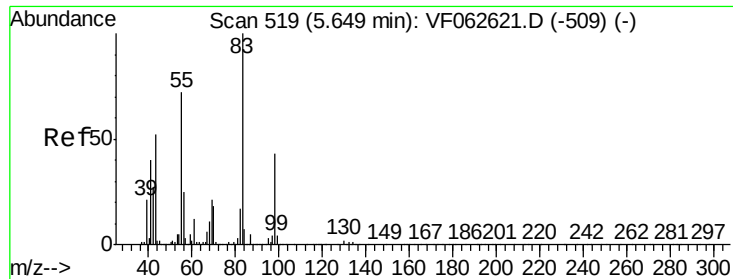
Tot Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
61 0.0 76.9 115.3#
70 14.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 179.669 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.06 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion:117 Resp: 180
Ion Ratio Lower Upper
117 100
119 35.7 76.7 115.1#
121 0.0 26.6 40.0#

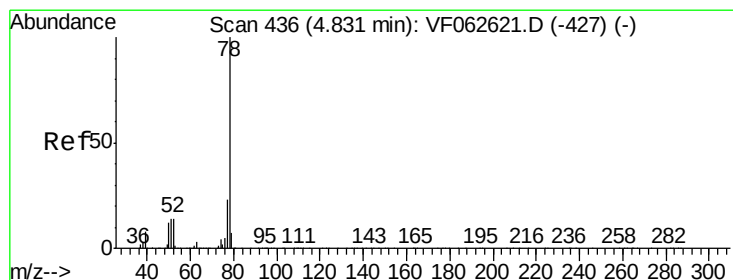
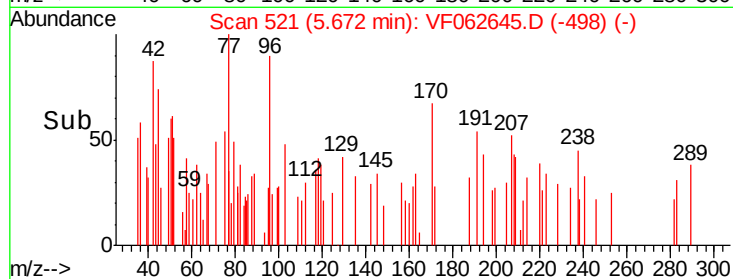
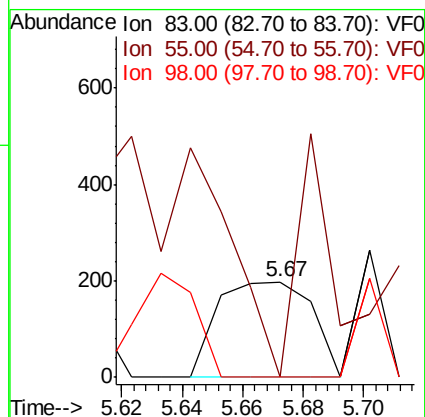
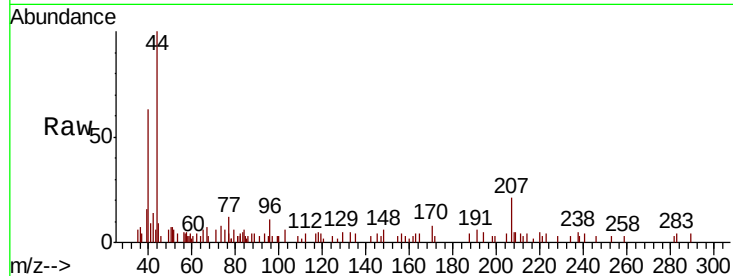




#39
Methylvlcyclohexane
Concen: 266.400 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.02 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

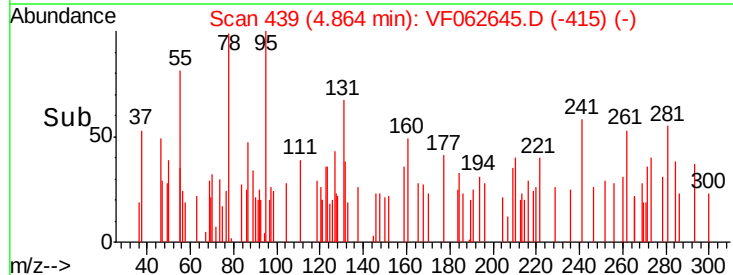
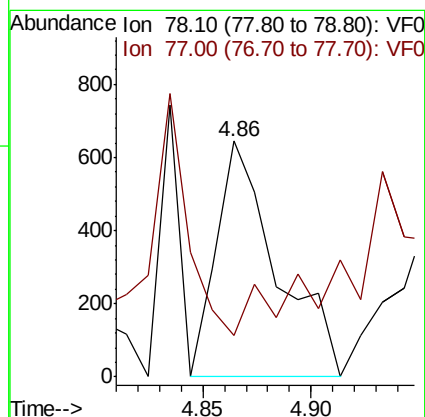
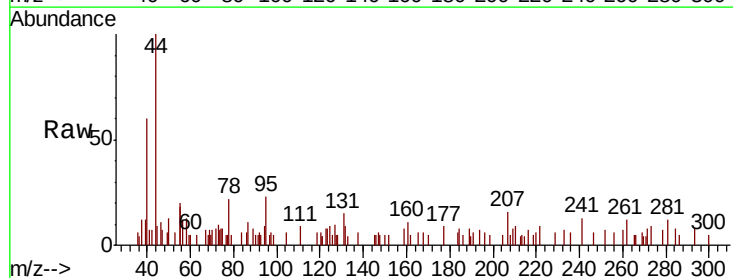
Instrument :
MSVOA_F
ClientSampled :

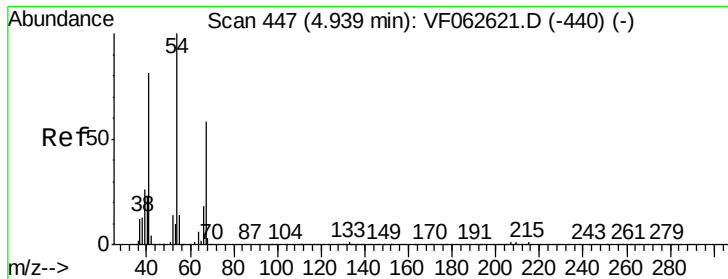
Tot Ion: 83 Resp: 427
Ion Ratio Lower Upper
83 100
55 0.0 57.9 86.9#
98 0.0 34.6 52.0#



#40
Benzene
Concen: 347.479 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.03 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 78 Resp: 1261
Ion Ratio Lower Upper
78 100
77 17.7 18.2 27.2#





#41

Methacrylonitrile

Concen: 6607.035 ug/l

RT: 4.99 min Scan# 452

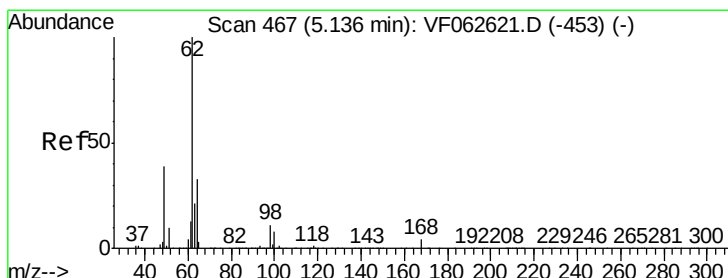
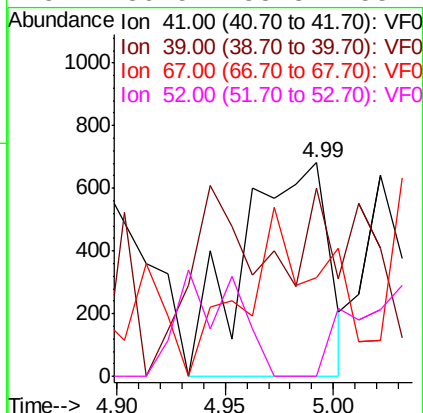
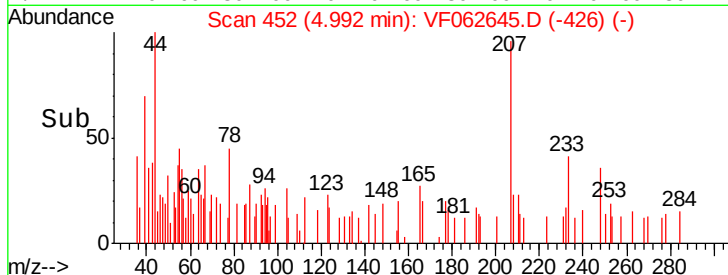
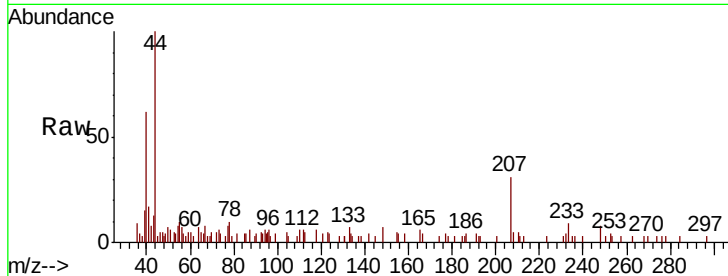
Delta R.T. 0.05 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	1884
Ion	Ratio	Lower	Upper
41	100		
39	88.3	42.2	63.2#
67	46.5	56.4	84.6#
52	30.5	38.8	58.2#



#42

1,2-Dichloroethane

Concen: 121.601 ug/l

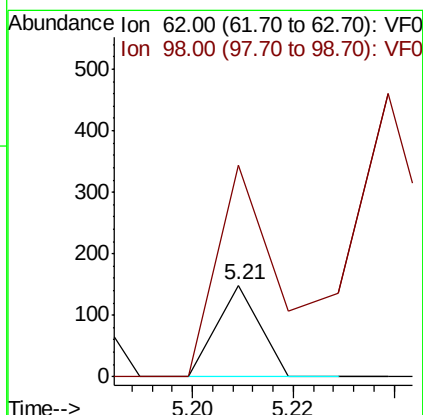
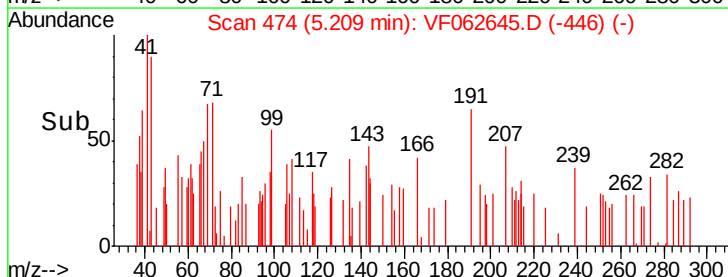
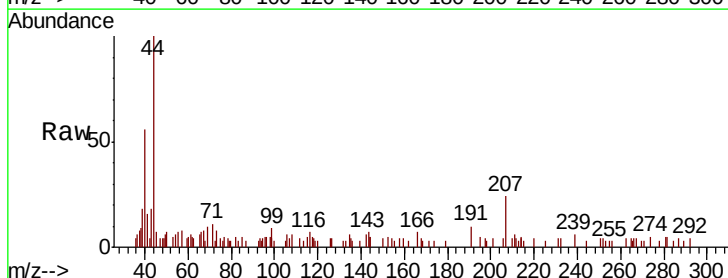
RT: 5.21 min Scan# 474

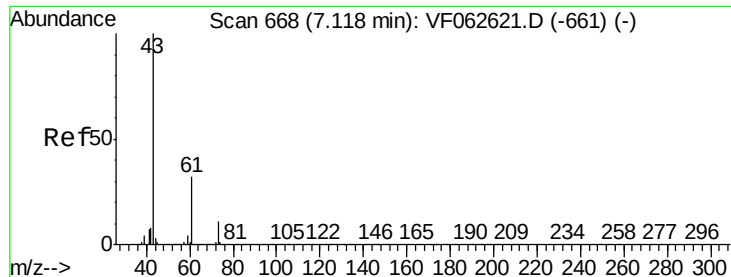
Delta R.T. 0.07 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion:	62	Resp:	88
Ion	Ratio	Lower	Upper
62	100		
98	450.3	0.0	21.6#





#43

Isopropyl Acetate

Concen: 344.857 ug/l

RT: 7.18 min Scan# 674

Delta R.T. 0.06 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

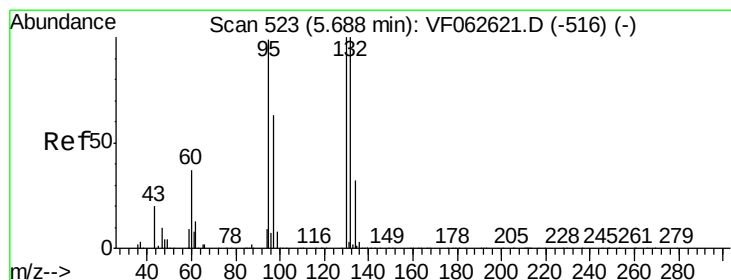
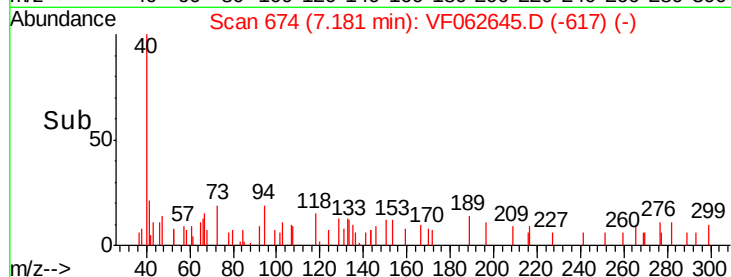
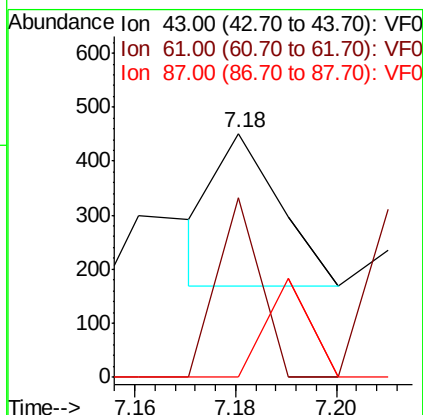
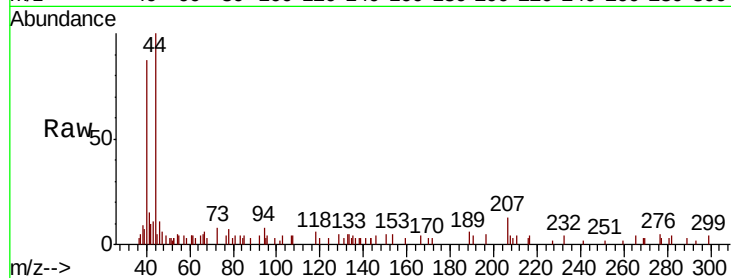
Tot Ion: 43 Resp: 243

Ion Ratio Lower Upper

43 100

61 73.8 25.8 38.8#

87 30.4 0.4 0.6#



#44

Trichloroethene

Concen: 373.549 ug/l

RT: 5.73 min Scan# 527

Delta R.T. 0.04 min

Lab File: VF062645.D

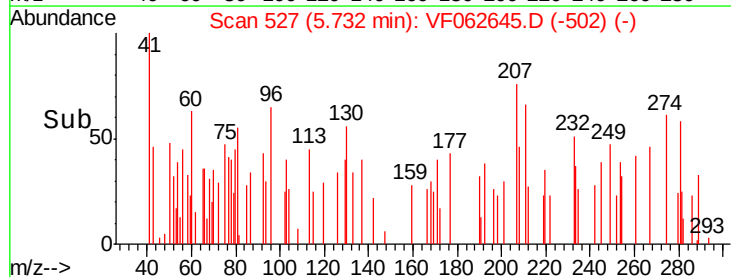
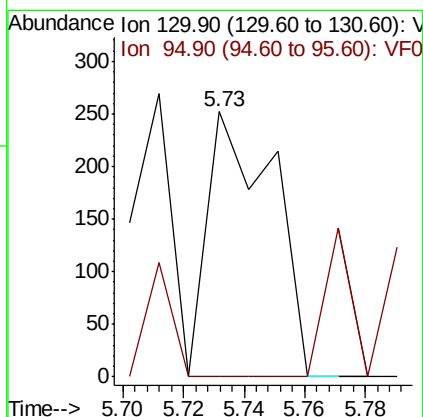
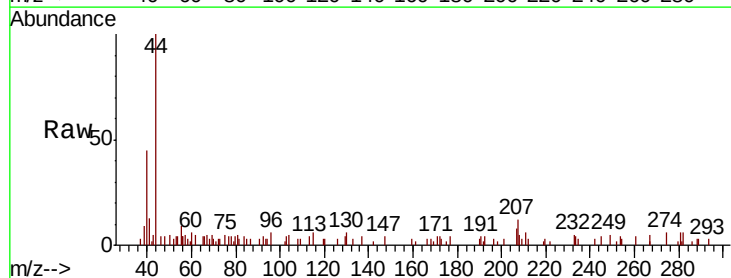
Acq: 17 May 2019 18:23

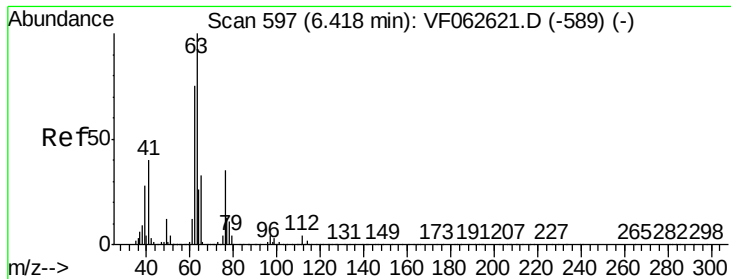
Tgt Ion: 130 Resp: 381

Ion Ratio Lower Upper

130 100

95 0.0 0.0 199.4





#45

1,2-Dichloropropane

Concen: 327.479 ug/l

RT: 6.49 min Scan# 604

Delta R.T. 0.07 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

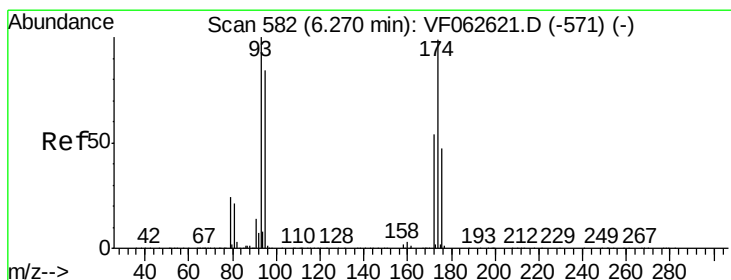
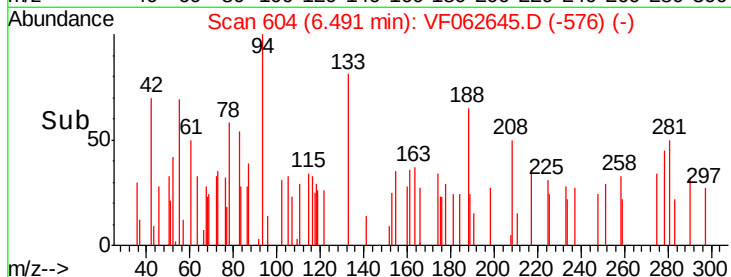
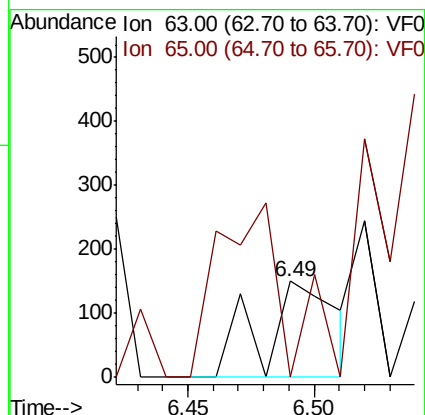
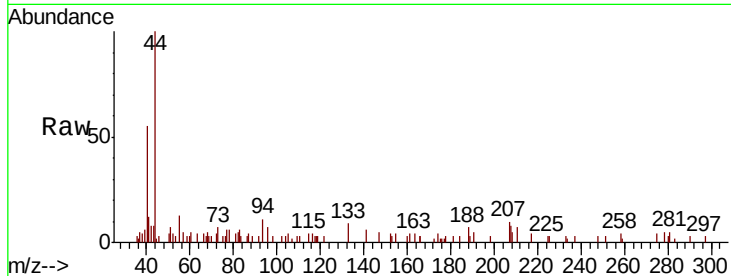
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 300

Ion Ratio Lower Upper

63 100

65 0.0 26.3 39.5#



#46

Dibromomethane

Concen: 1803.820 ug/l

RT: 6.37 min Scan# 592

Delta R.T. 0.10 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

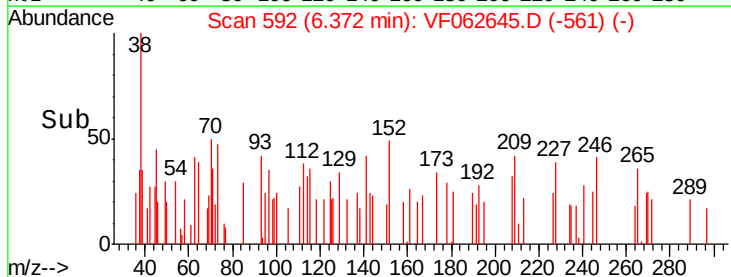
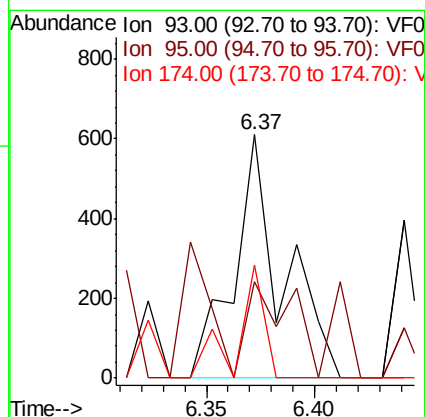
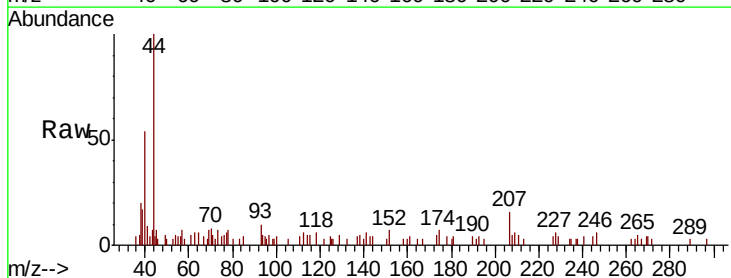
Tgt Ion: 93 Resp: 955

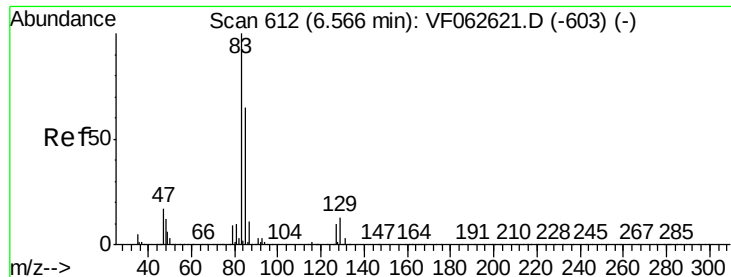
Ion Ratio Lower Upper

93 100

95 39.4 67.4 101.2#

174 46.5 79.4 119.2#





#47

Bromodichloromethane

Concen: 134.655 ug/l

RT: 6.62 min Scan# 617

Delta R.T. 0.05 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

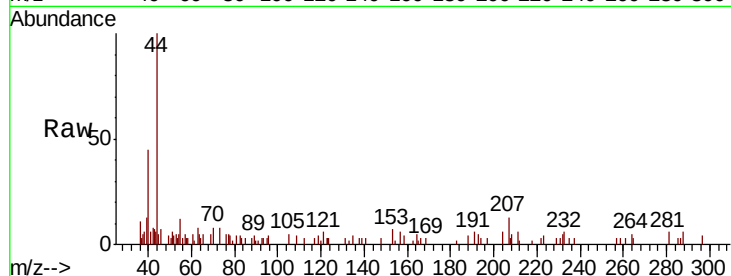
Tot Ion: 83 Resp: 148

Ion Ratio Lower Upper

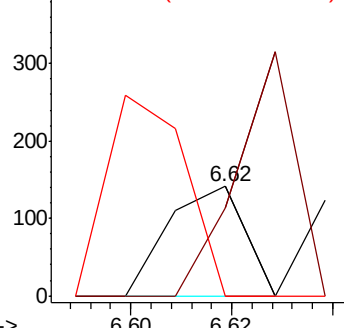
83 100

85 80.1 52.0 78.0#

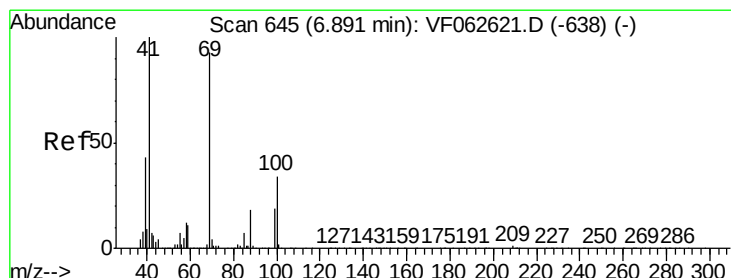
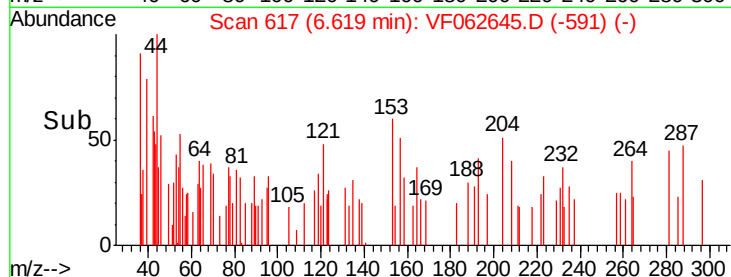
127 0.0 7.7 11.5#



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



Time-->



#48

Methyl methacrylate

Concen: 1835.444 ug/l

RT: 6.95 min Scan# 651

Delta R.T. 0.06 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

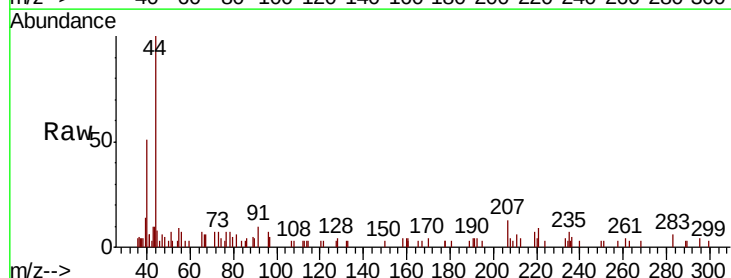
Tgt Ion: 41 Resp: 676

Ion Ratio Lower Upper

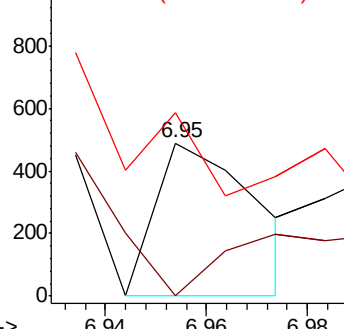
41 100

69 0.0 74.2 111.2#

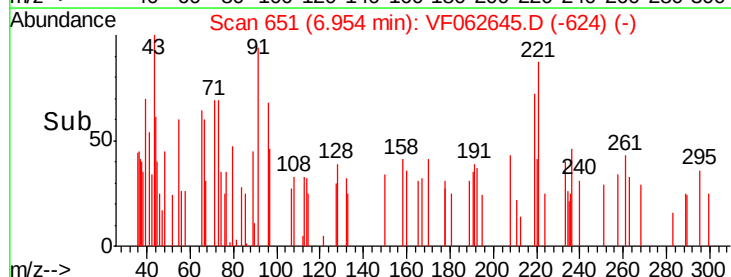
39 119.6 34.2 51.4#

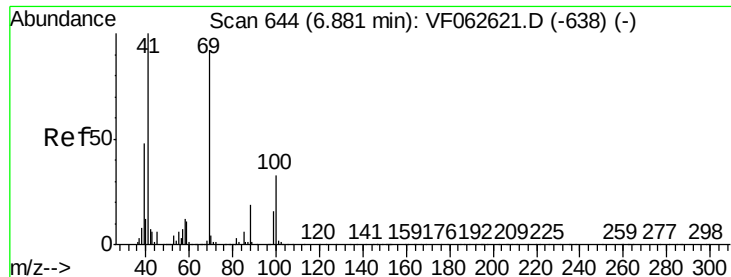


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



Time-->

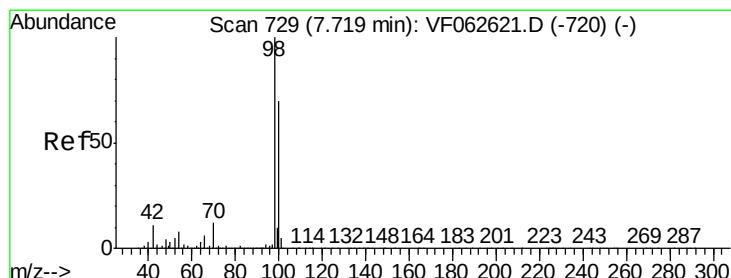
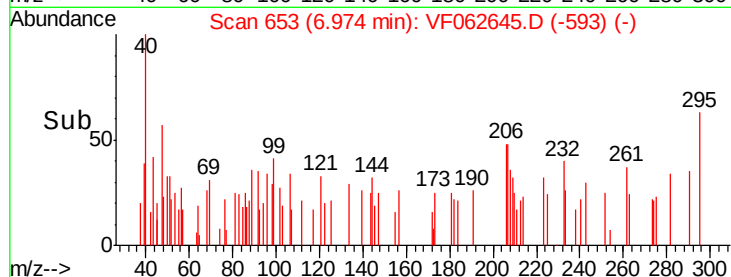
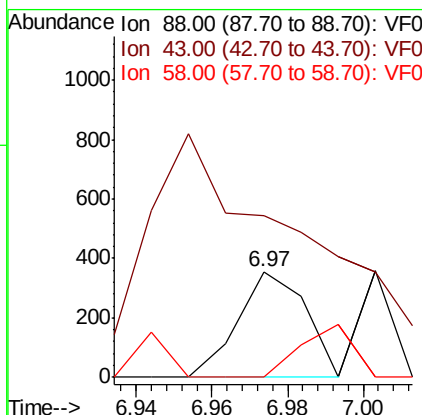
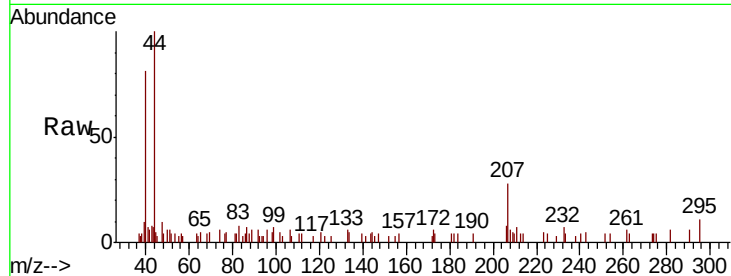




#49
1,4-Dioxane
Concen: 93275.599 ug/l
RT: 6.97 min Scan# 653
Delta R.T. 0.09 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

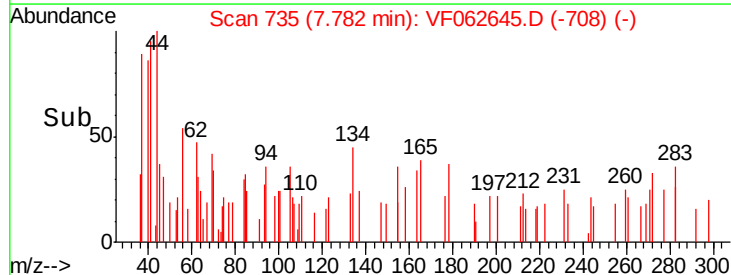
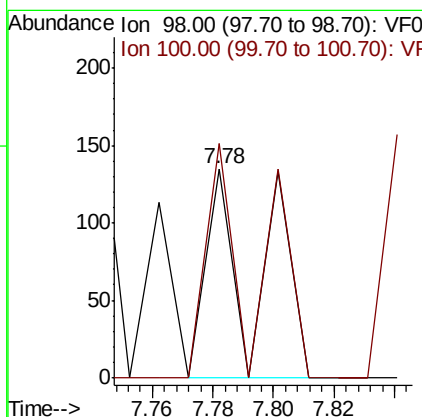
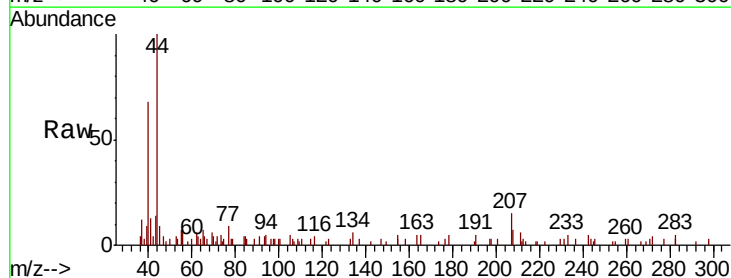
Instrument :
MSVOA_F
ClientSampleId :

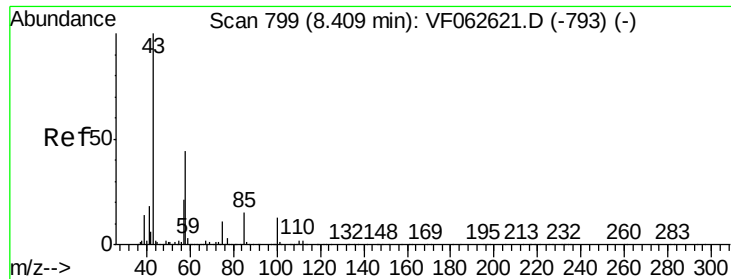
Tot Ion: 88 Resp: 440
Ion Ratio Lower Upper
88 100
43 152.8 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 66.523 ug/l
RT: 7.78 min Scan# 735
Delta R.T. 0.06 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 98 Resp: 158
Ion Ratio Lower Upper
98 100
100 111.9 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 6801.637 ug/l

RT: 8.61 min Scan# 819

Delta R.T. 0.20 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

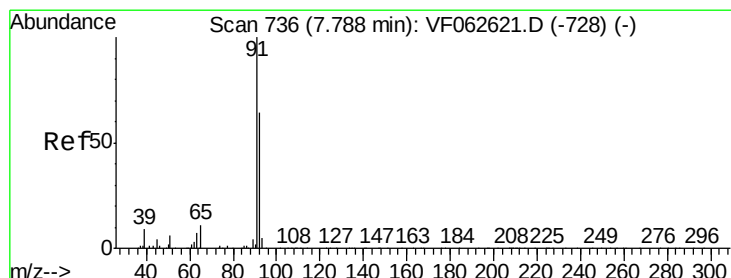
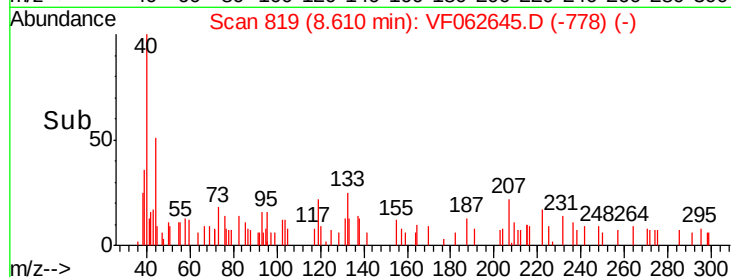
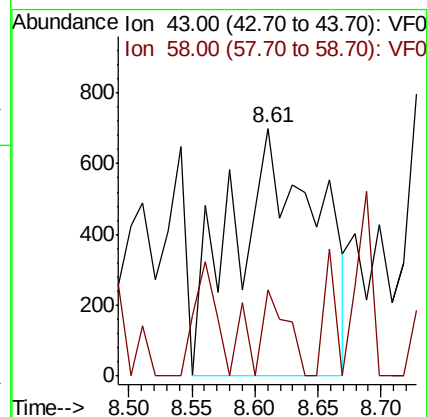
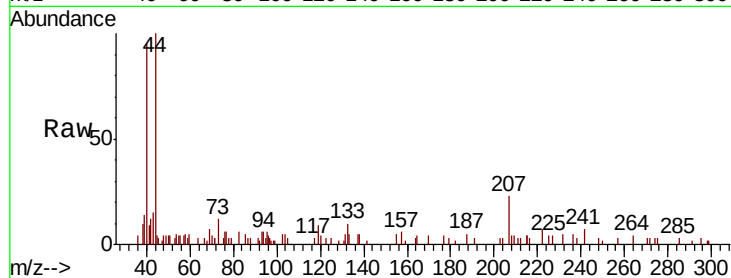
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3276

Ion Ratio Lower Upper

43 100

58 35.0 34.9 52.3



#52

Toluene

Concen: 194.933 ug/l

RT: 7.91 min Scan# 748

Delta R.T. 0.12 min

Lab File: VF062645.D

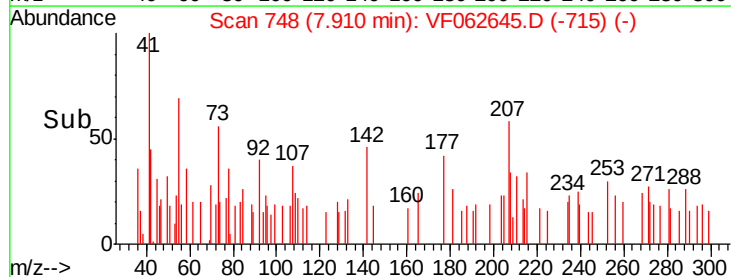
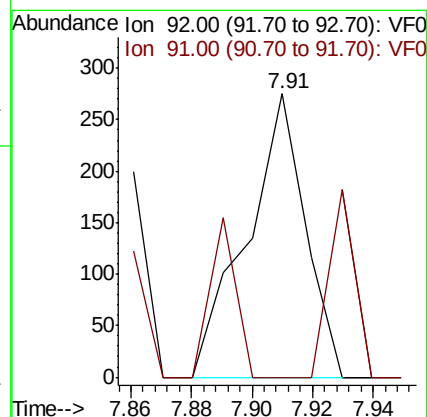
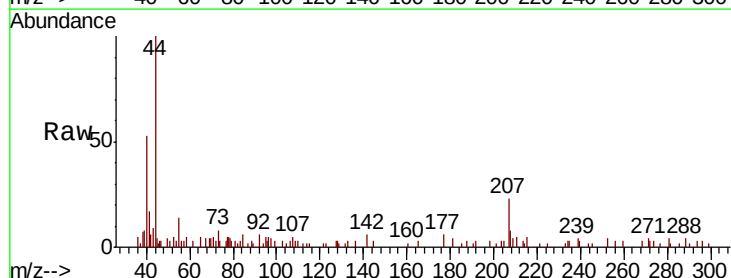
Acq: 17 May 2019 18:23

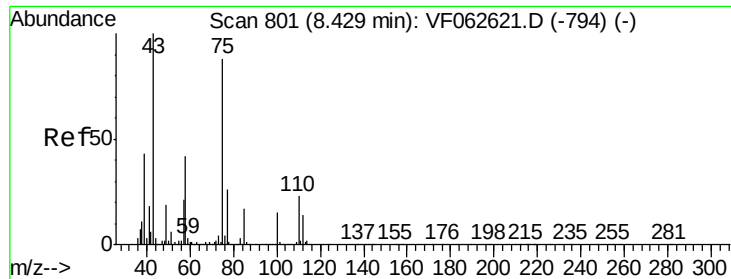
Tgt Ion: 92 Resp: 371

Ion Ratio Lower Upper

92 100

91 0.0 125.4 188.0#





#53

t-1,3-Dichloropropene

Concen: 1096.529 ug/l

RT: 8.46 min Scan# 804

Delta R.T. 0.03 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

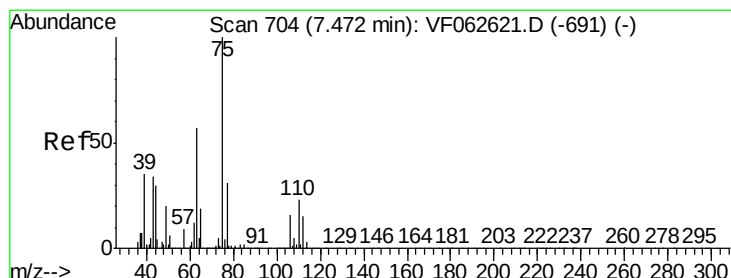
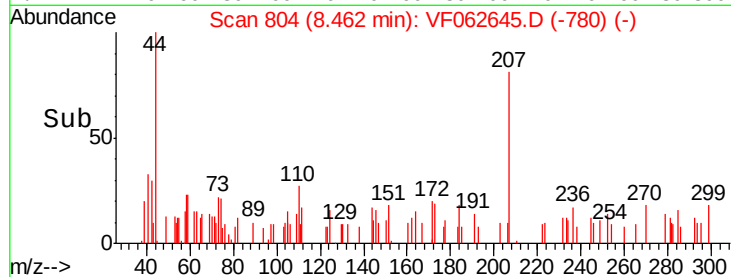
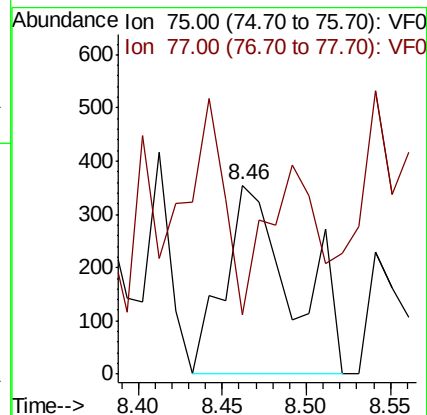
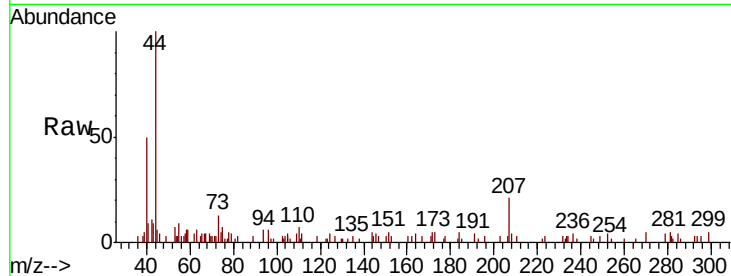
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 986

Ion Ratio Lower Upper

75 100

77 31.3 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 129.496 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.10 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

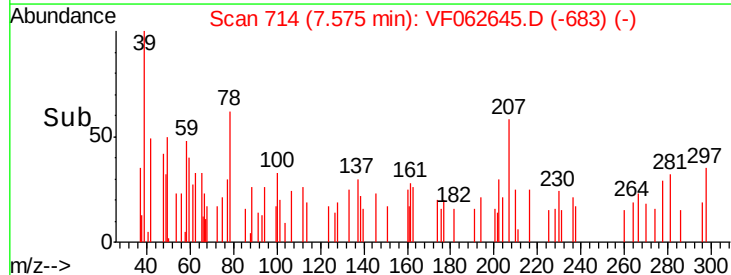
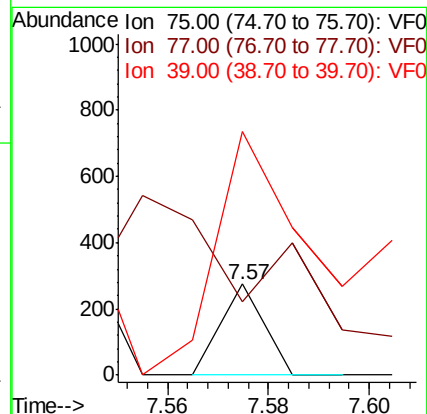
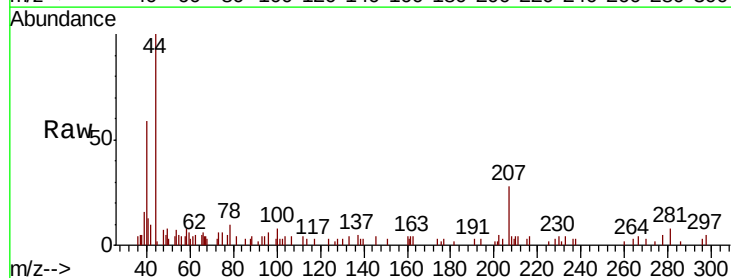
Tgt Ion: 75 Resp: 163

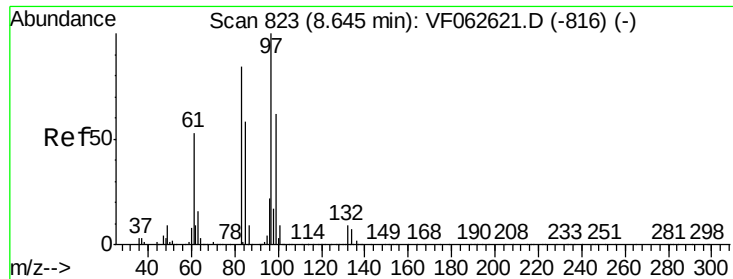
Ion Ratio Lower Upper

75 100

77 81.1 25.3 37.9#

39 267.3 28.2 42.2#

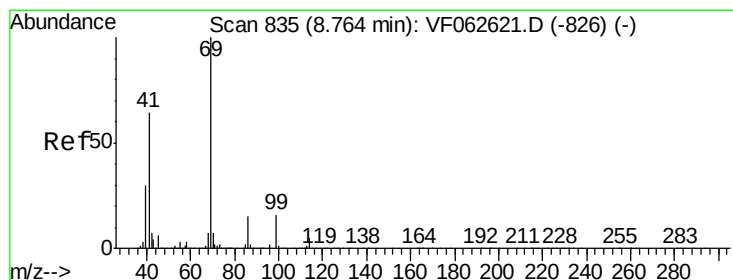
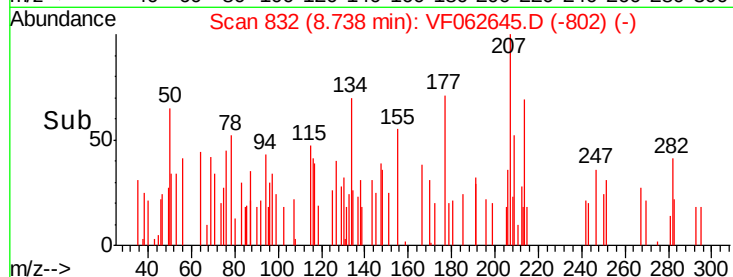
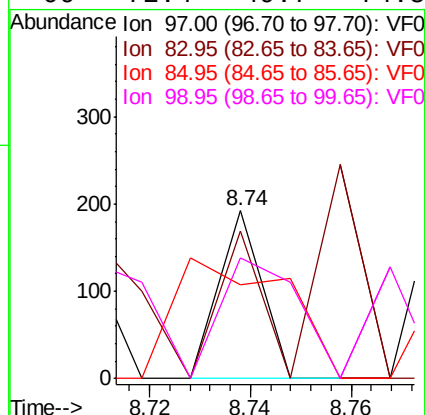
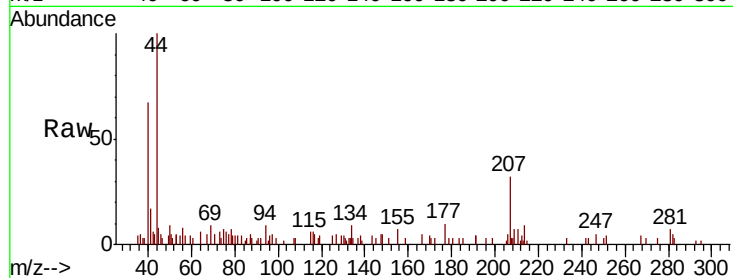




#55
 1,1,2-Trichloroethane
 Concen: 202.302 ug/l
 RT: 8.74 min Scan# 832
 Delta R.T. 0.09 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

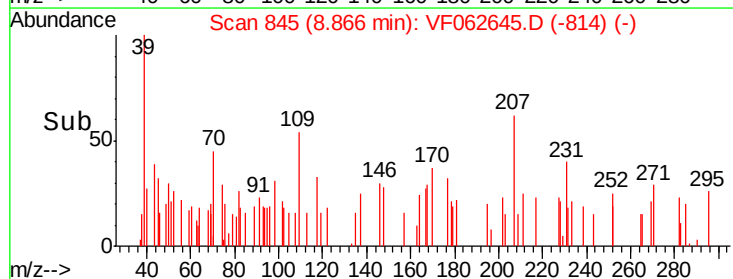
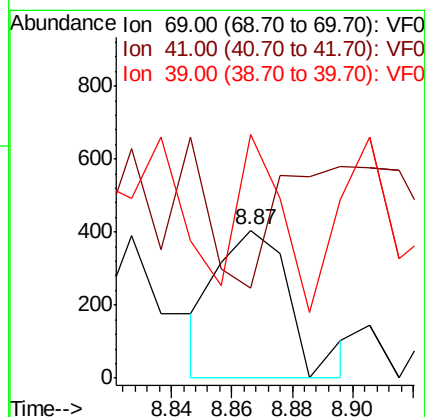
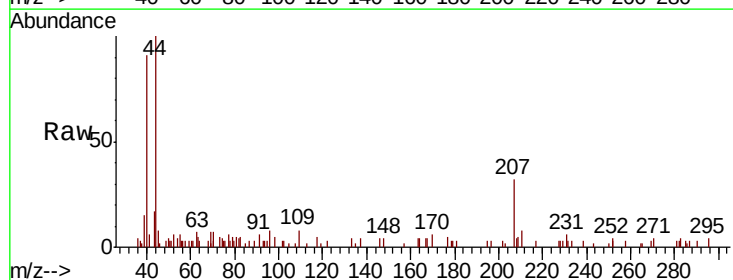
Instrument :
 MSVOA_F
 ClientSampled :

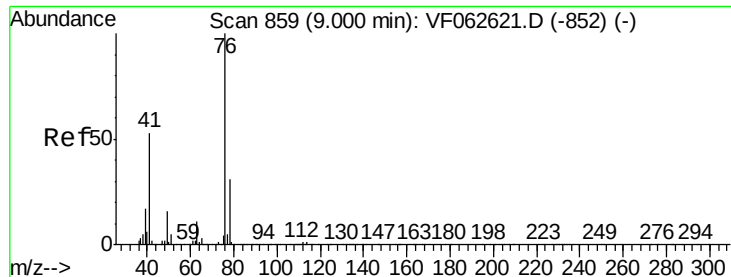
Tot Ion:	97	Resp:	114
Ion	Ratio	Lower	Upper
97	100		
83	88.0	67.3	100.9
85	56.3	46.6	69.8
99	72.4	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 1029.257 ug/l
 RT: 8.87 min Scan# 845
 Delta R.T. 0.10 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

Tgt Ion:	69	Resp:	691
Ion	Ratio	Lower	Upper
69	100		
41	61.0	51.4	77.2
39	164.7	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 317.763 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.14 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

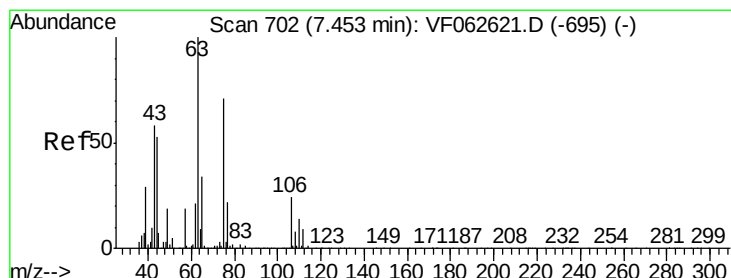
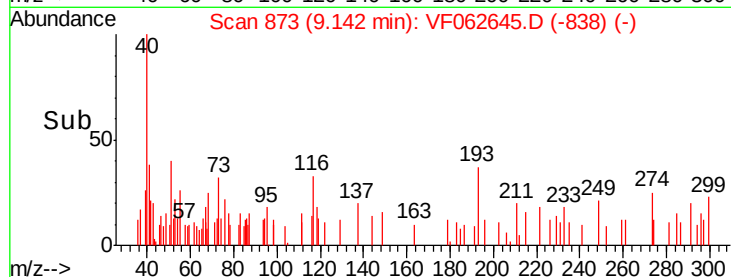
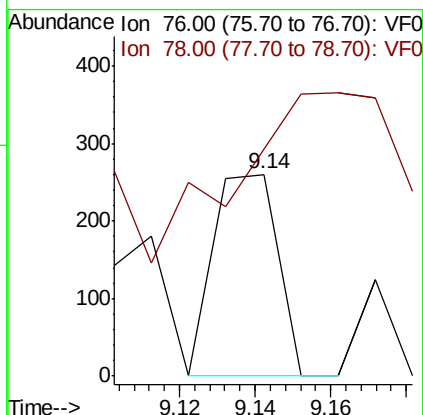
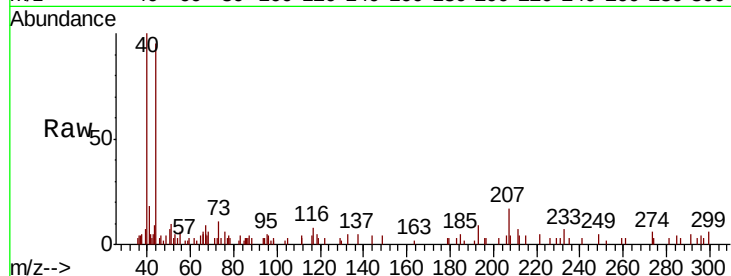
ClientSampleId :

Tot Ion: 76 Resp: 305

Ion Ratio Lower Upper

76 100

78 112.3 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 384.391 ug/l

RT: 7.57 min Scan# 713

Delta R.T. 0.11 min

Lab File: VF062645.D

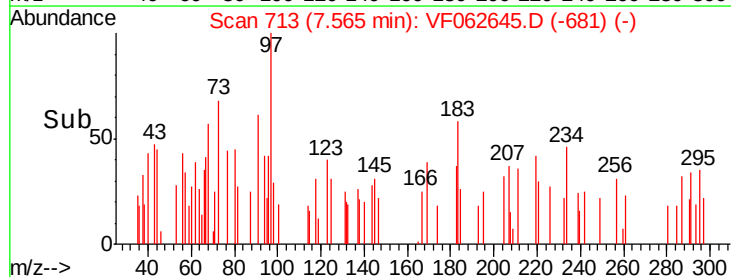
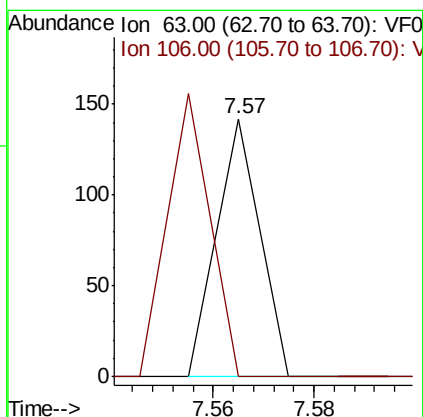
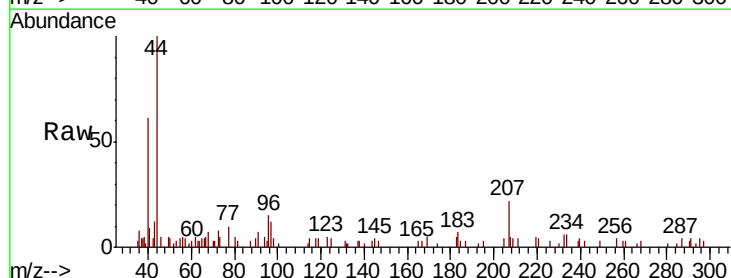
Acq: 17 May 2019 18:23

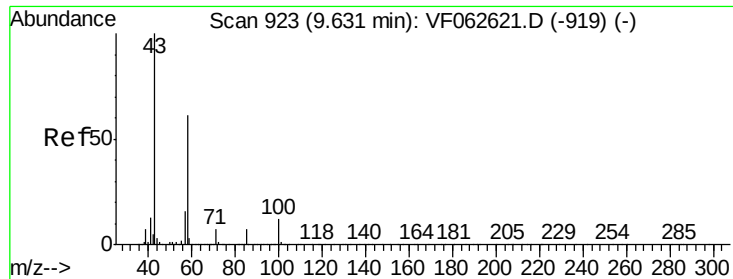
Tgt Ion: 63 Resp: 84

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

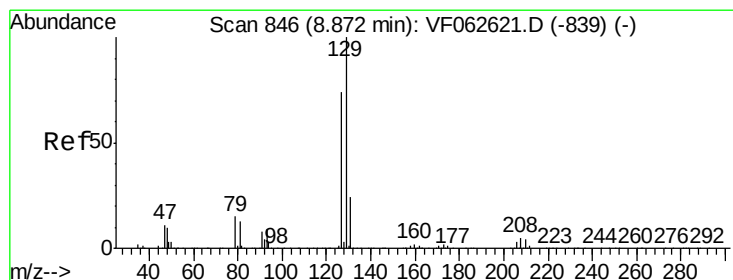
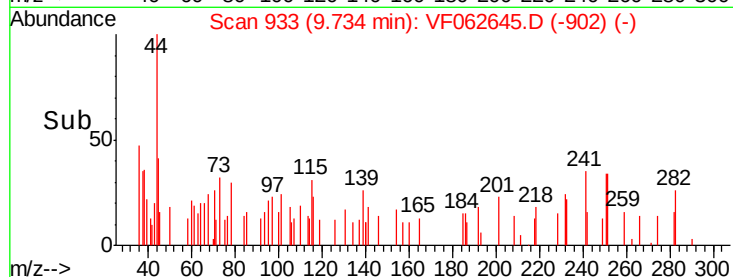
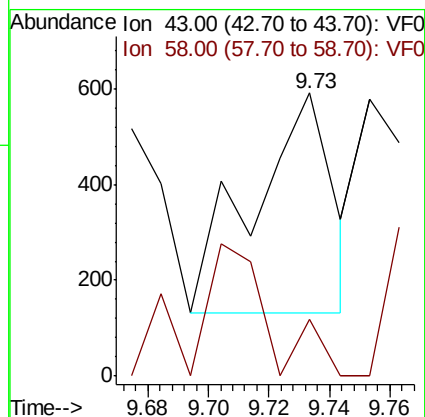
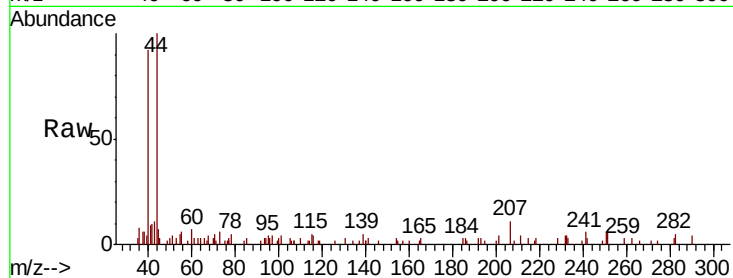




#59
2-Hexanone
Concen: 2863.742 ug/l
RT: 9.73 min Scan# 933
Delta R.T. 0.10 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

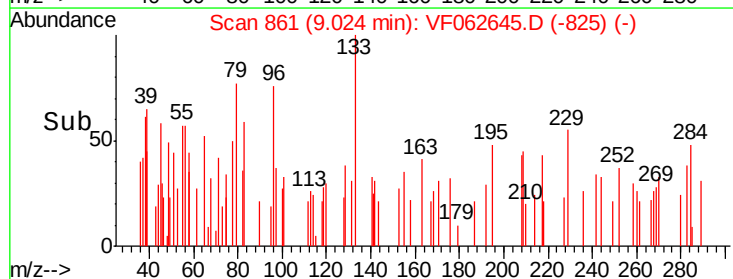
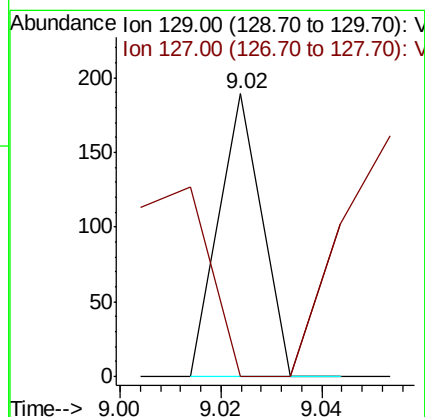
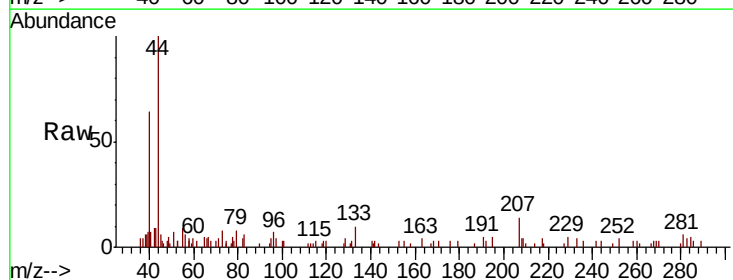
Instrument :
MSVOA_F
ClientSampleId :

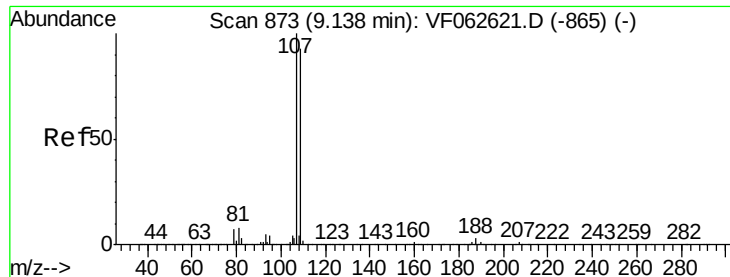
Tot Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
58 20.1 28.1 84.4#



#60
Dibromochloromethane
Concen: 152.497 ug/l
RT: 9.02 min Scan# 861
Delta R.T. 0.15 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion: 129 Resp: 112
Ion Ratio Lower Upper
129 100
127 59.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 599.794 ug/l

RT: 9.27 min Scan# 886

Delta R.T. 0.13 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

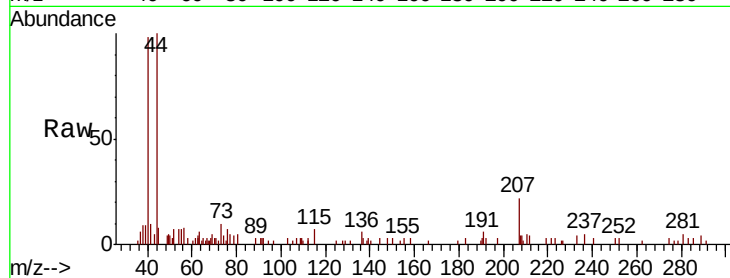
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 107 Resp: 359

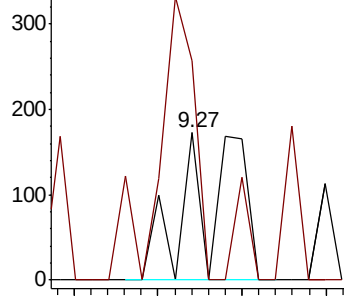
Ion Ratio Lower Upper

107 100

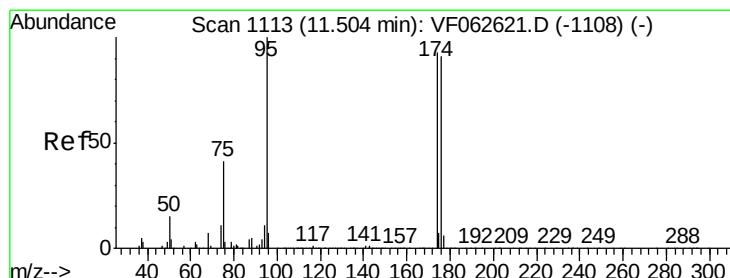
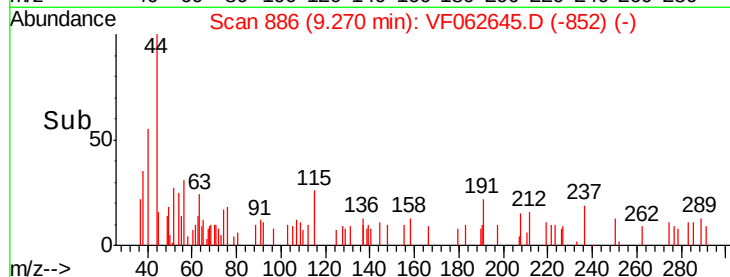
109 148.6 74.8 112.2#



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



Time-->



#62

4-Bromofluorobenzene

Concen: 973.571 ug/l

RT: 11.68 min Scan# 1130

Delta R.T. 0.17 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

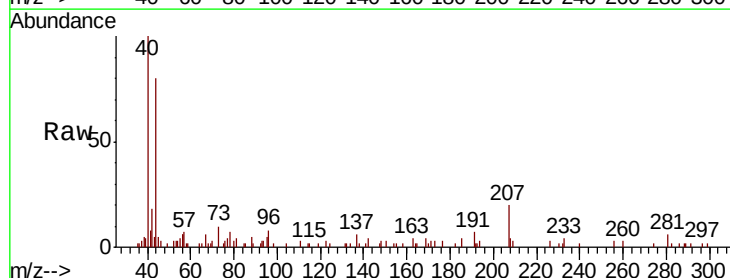
Tgt Ion: 95 Resp: 877

Ion Ratio Lower Upper

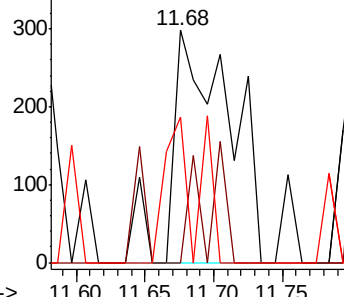
95 100

174 0.0 0.0 185.6

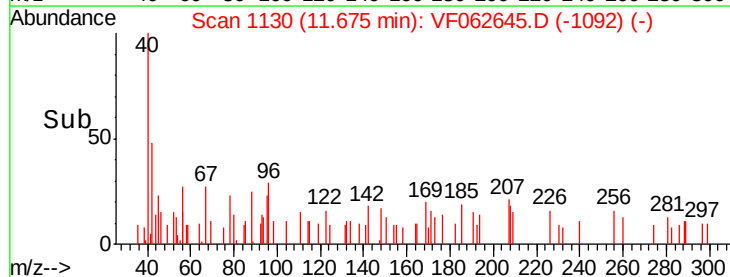
176 62.4 0.0 182.4

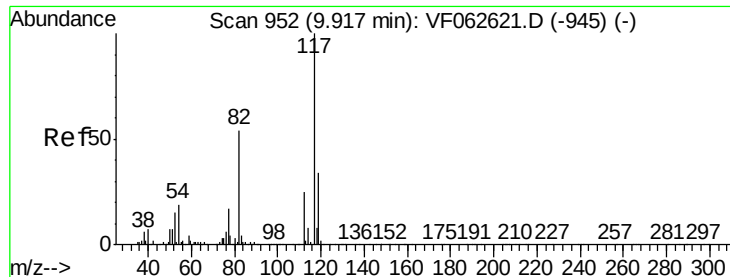


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.03 min Scan# 963

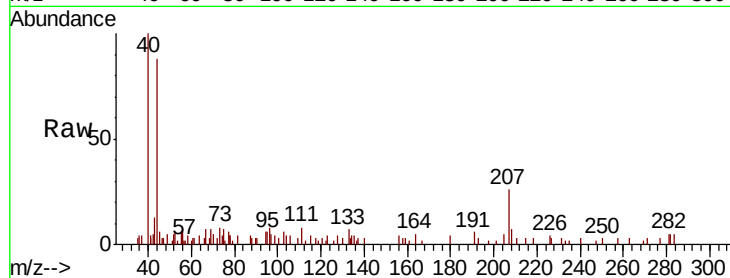
Delta R.T. 0.11 min

Lab File: VF062645.D

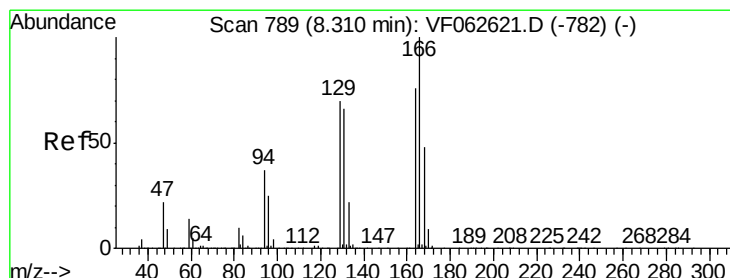
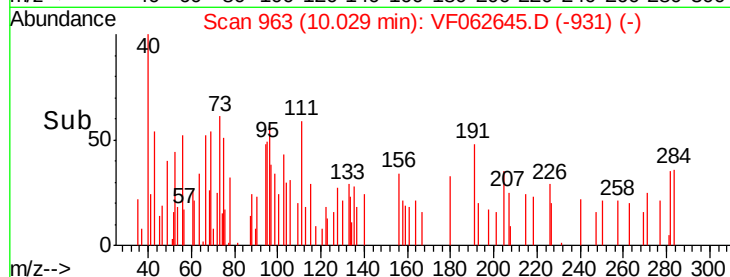
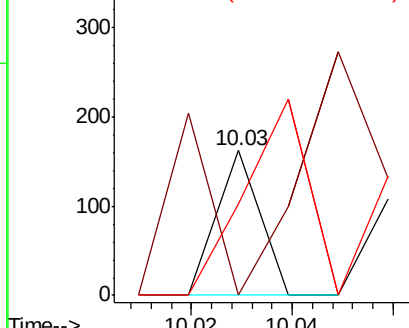
Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	117	Resp:	96
Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.3	64.9#
119	63.0	27.4	41.0#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 227.471 ug/l

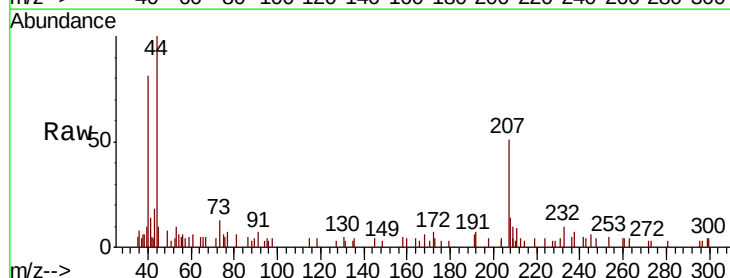
RT: 8.33 min Scan# 791

Delta R.T. 0.02 min

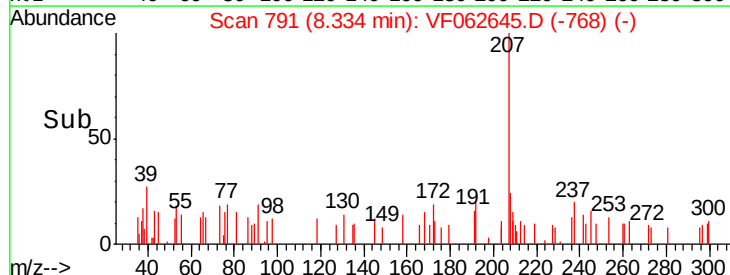
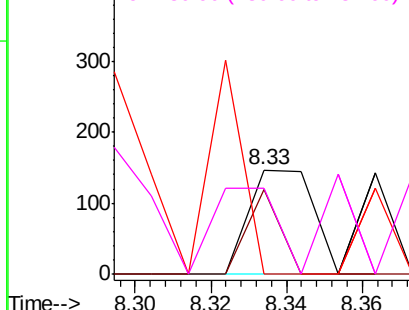
Lab File: VF062645.D

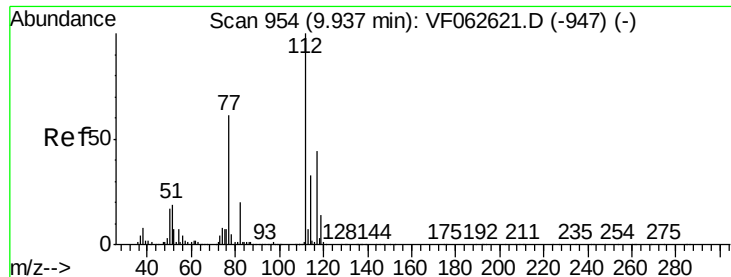
Acq: 17 May 2019 18:23

Tgt Ion:	164	Resp:	173
Ion	Ratio	Lower	Upper
164	100		
166	81.6	105.5	158.3#
129	0.0	73.8	110.6#
131	82.3	69.5	104.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

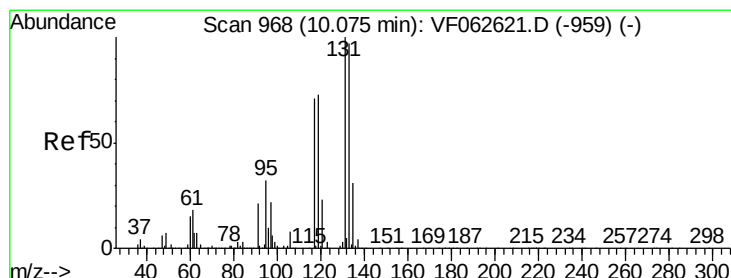
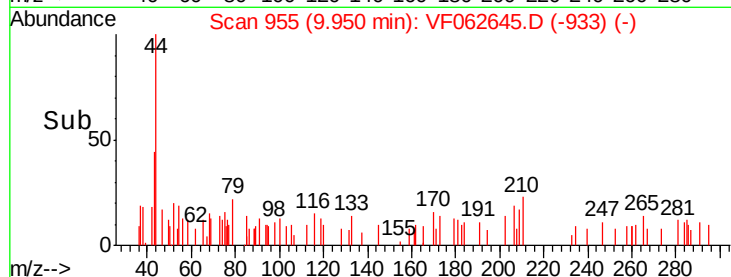
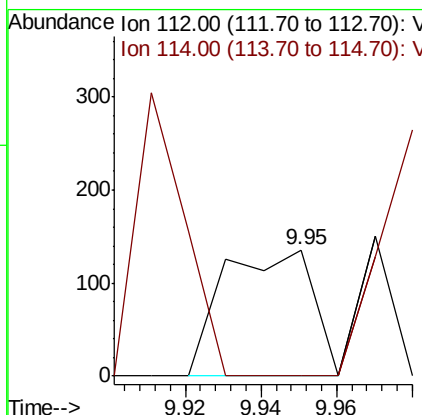
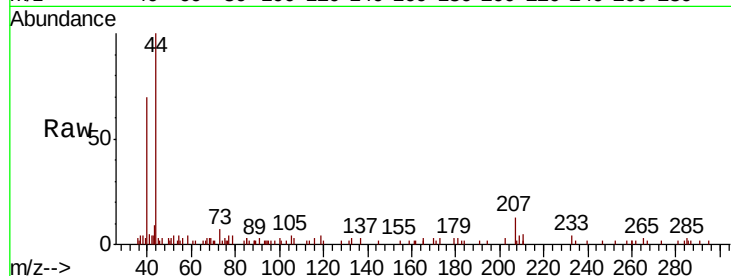




#65
Chlorobenzene
Concen: 117.738 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

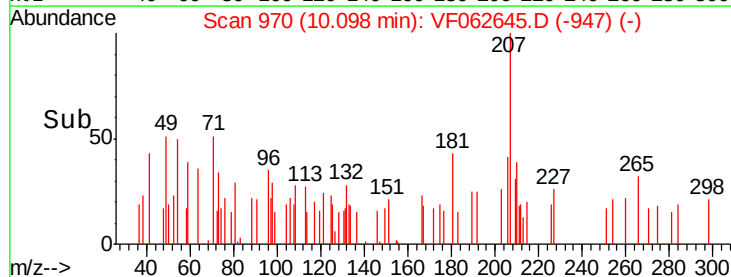
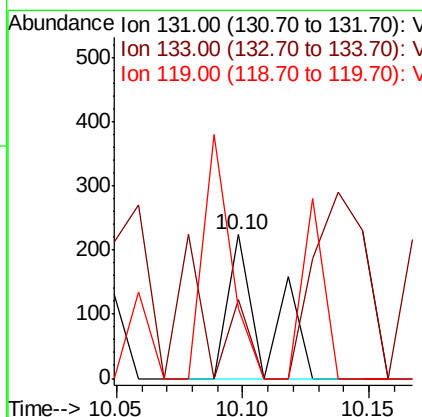
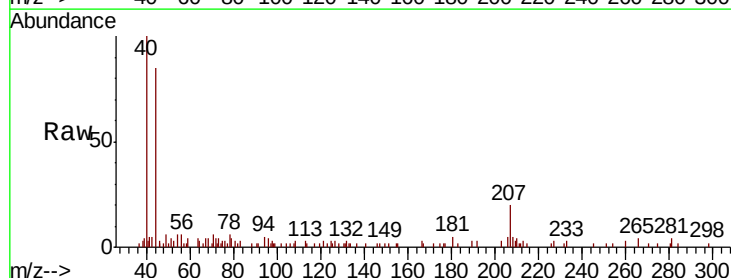
Instrument :
MSVOA_F
ClientSampled :

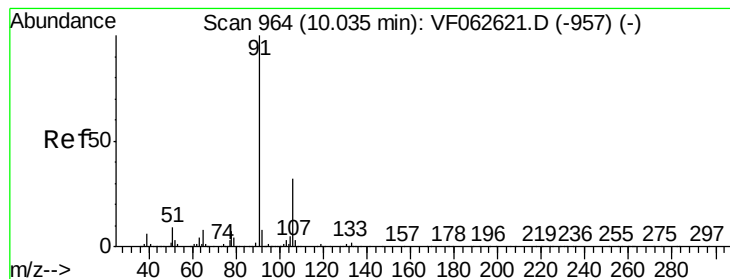
Tot Ion:112 Resp: 222
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 298.570 ug/l
RT: 10.10 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion:131 Resp: 226
Ion Ratio Lower Upper
131 100
133 54.9 48.5 145.5
119 48.2 36.8 110.4





#67

Ethyl Benzene

Concen: 144.097 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

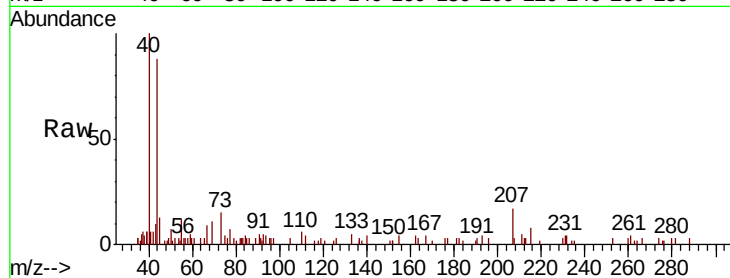
ClientSampleId :

Tot Ion: 91 Resp: 472

Ion Ratio Lower Upper

91 100

106 0.0 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.06

400

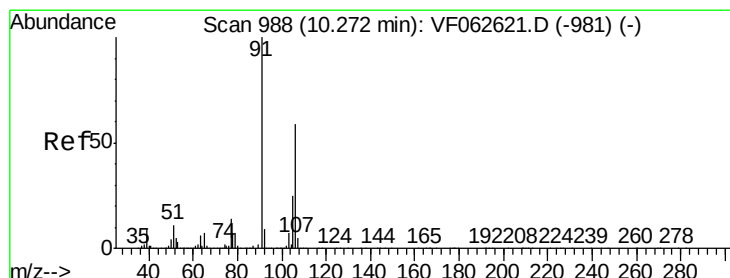
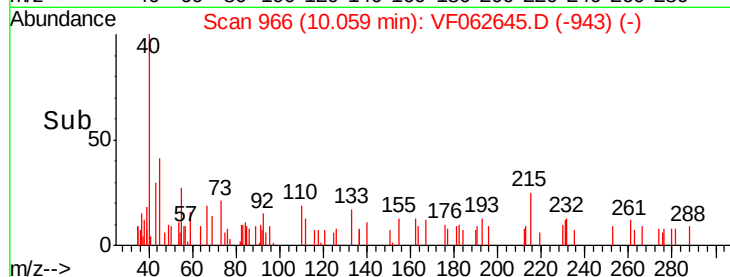
300

200

100

0

Time-->



#68

m/p-Xylenes

Concen: 225.813 ug/l

RT: 10.28 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062645.D

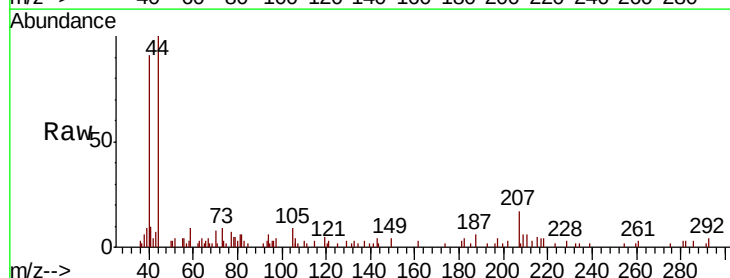
Acq: 17 May 2019 18:23

Tgt Ion: 106 Resp: 278

Ion Ratio Lower Upper

106 100

91 34.0 136.9 205.3#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.28

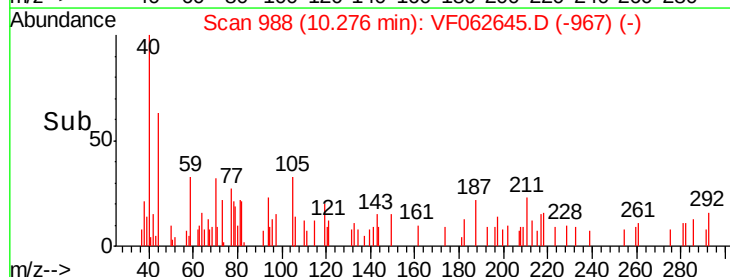
300

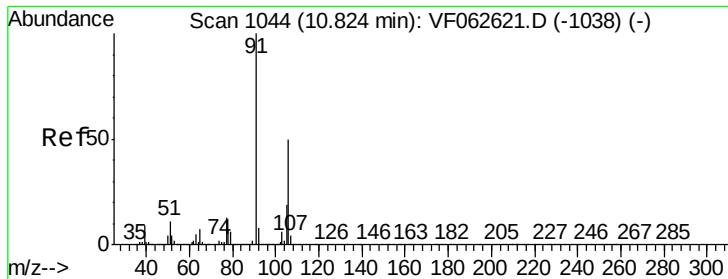
200

100

0

Time-->

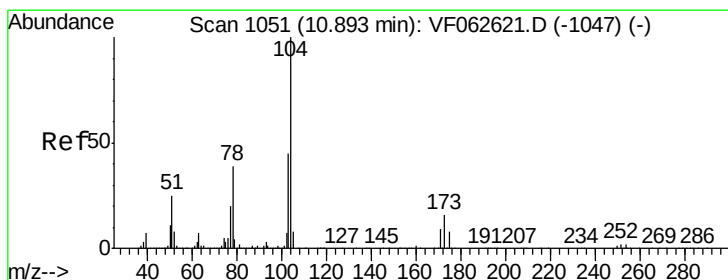
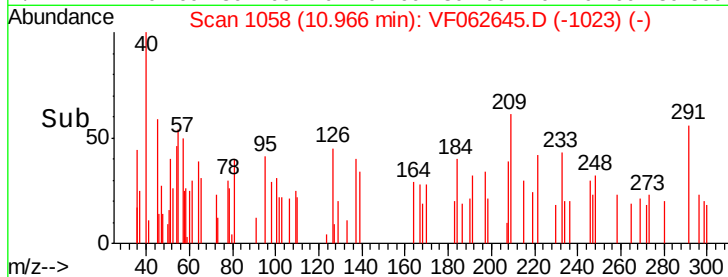
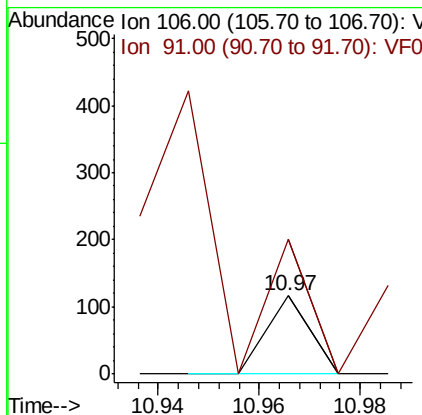
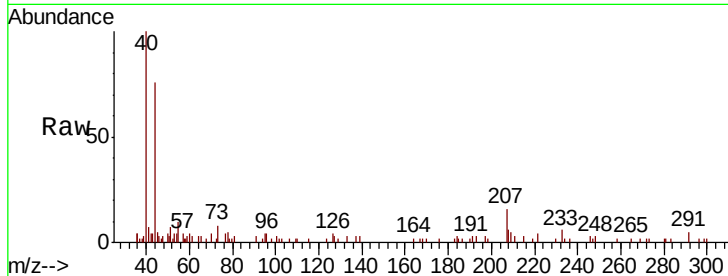




#69
o-Xylene
Concen: 54.414 ug/l
RT: 10.97 min Scan# 1058
Delta R.T. 0.14 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

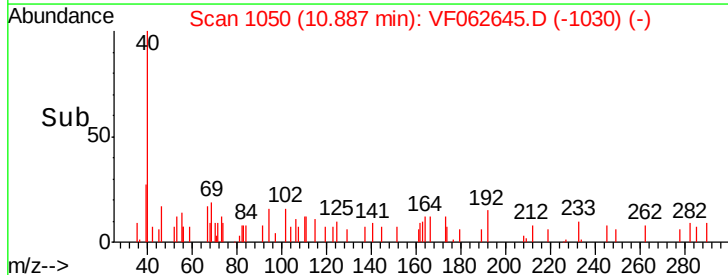
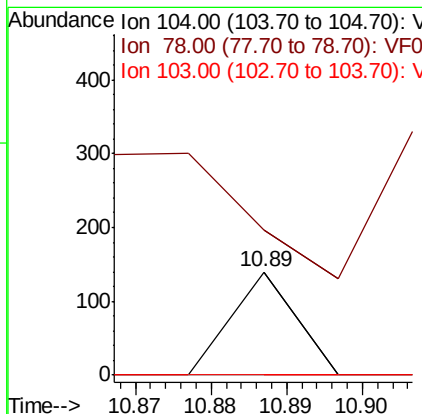
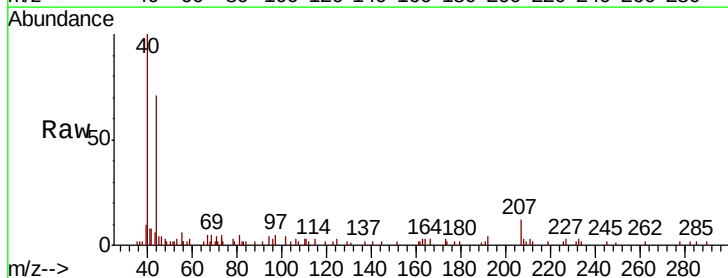
Instrument :
MSVOA_F
ClientSampled :

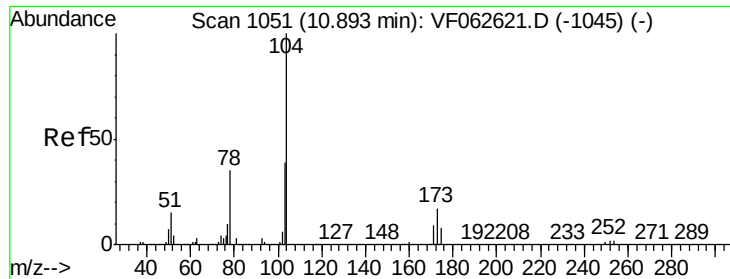
Tot Ion:106 Resp: 69
Ion Ratio Lower Upper
106 100
91 173.3 100.2 300.5



#70
Styrene
Concen: 43.064 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062645.D
Acq: 17 May 2019 18:23

Tgt Ion:104 Resp: 83
Ion Ratio Lower Upper
104 100
78 140.7 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 284.882 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF062645.D

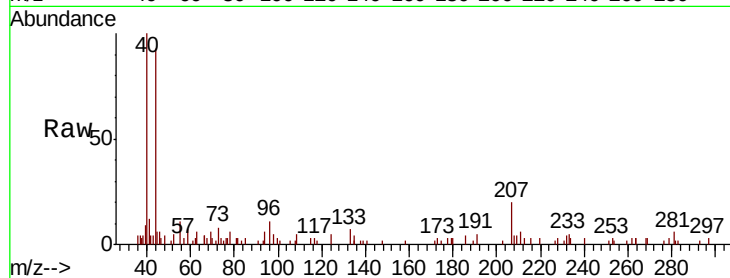
Acq: 17 May 2019 18:23

Instrument :

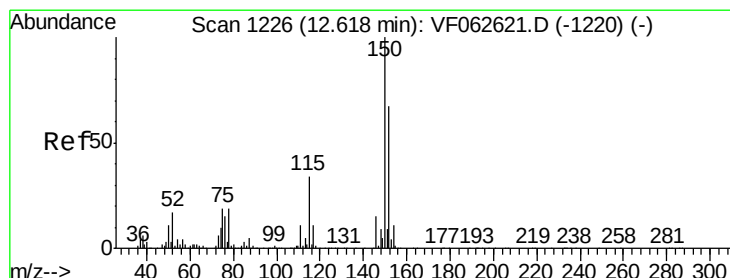
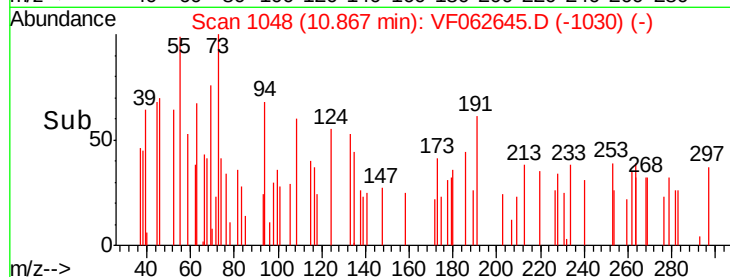
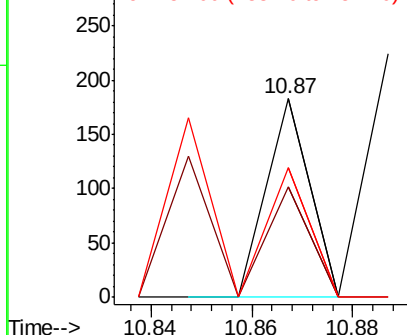
MSVOA_F

ClientSampled :

Tot Ion:	173	Resp:	108
Ion	Ratio	Lower	Upper
173	100		
175	55.7	25.3	75.9
254	65.0	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

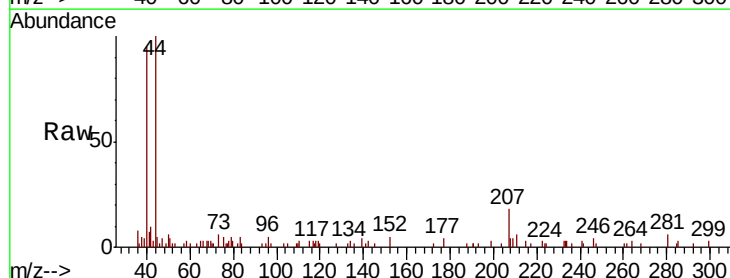
RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

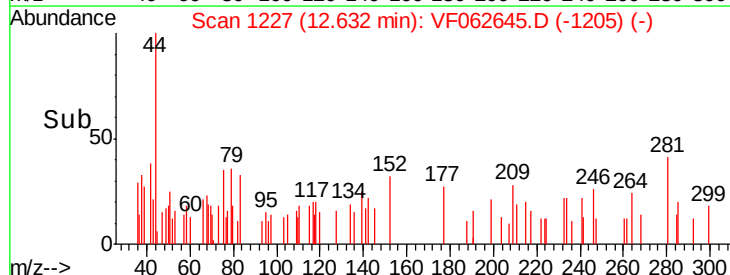
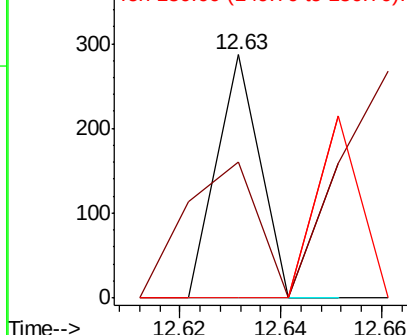
Lab File: VF062645.D

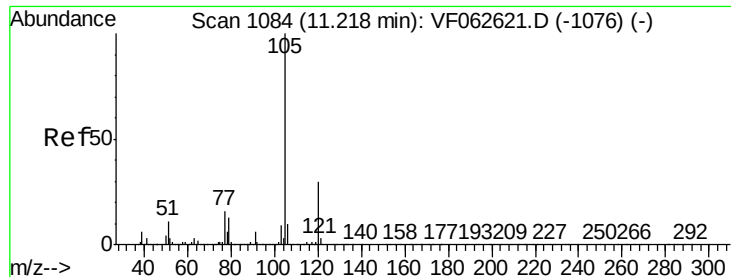
Acq: 17 May 2019 18:23

Tgt Ion:	152	Resp:	170
Ion	Ratio	Lower	Upper
152	100		
115	56.1	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: 35.784 ug/l

RT: 11.18 min Scan# 1080

Delta R.T. -0.04 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

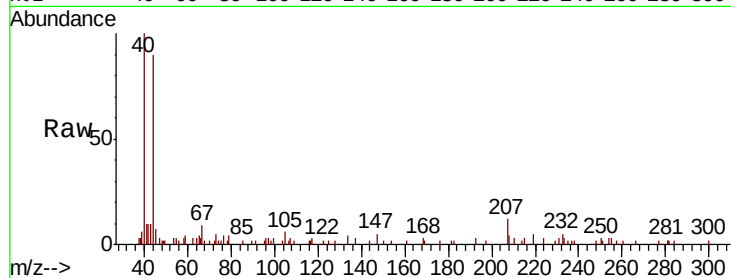
ClientSampled :

Tot Ion: 105 Resp: 436

Ion Ratio Lower Upper

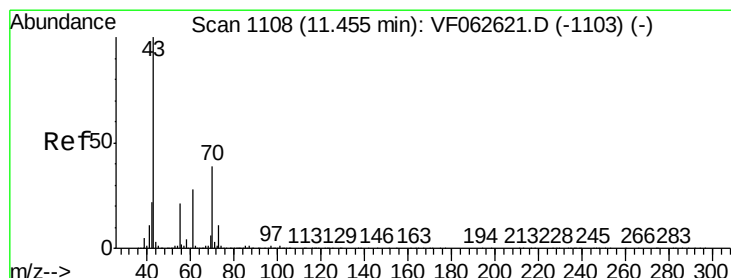
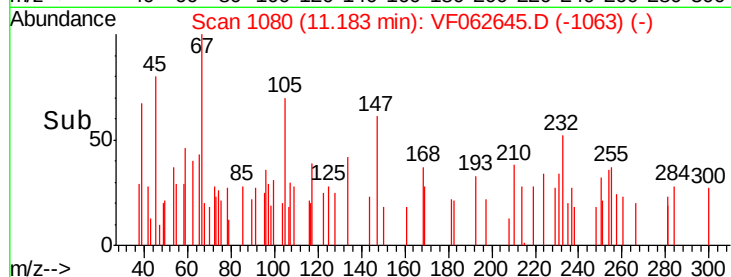
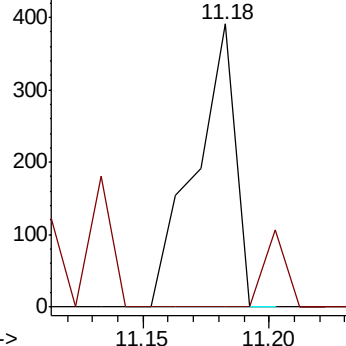
105 100

120 0.0 14.8 44.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 734.139 ug/l

RT: 11.43 min Scan# 1105

Delta R.T. -0.02 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion: 43 Resp: 2047

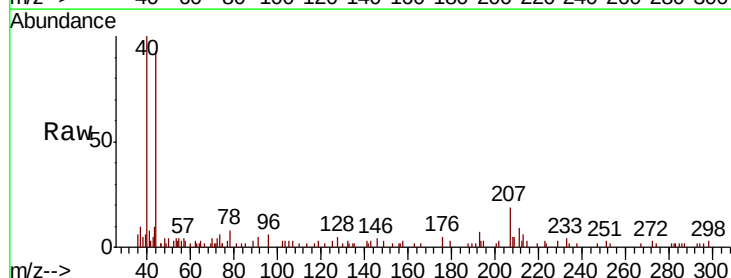
Ion Ratio Lower Upper

43 100

70 25.0 30.9 46.3#

55 28.5 17.0 25.4#

61 0.0 22.6 34.0#

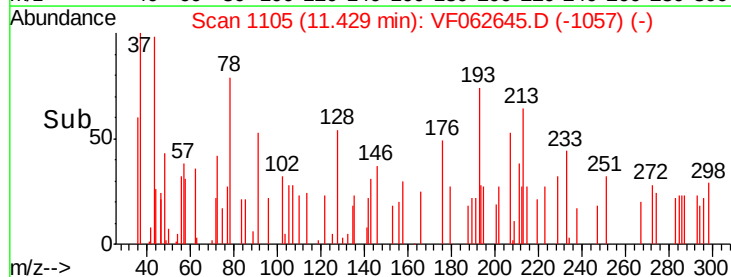
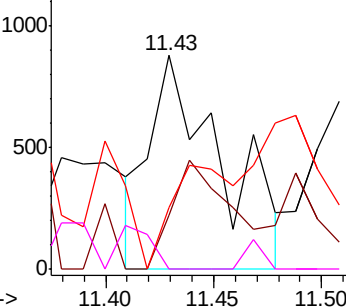


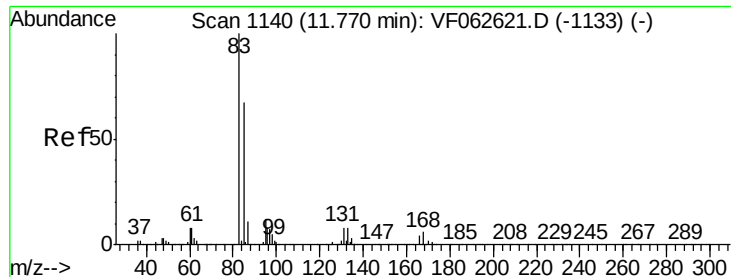
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 437.349 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.03 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

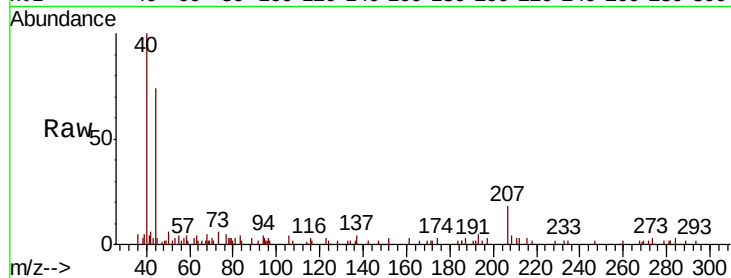
Tot Ion: 83 Resp: 1089

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

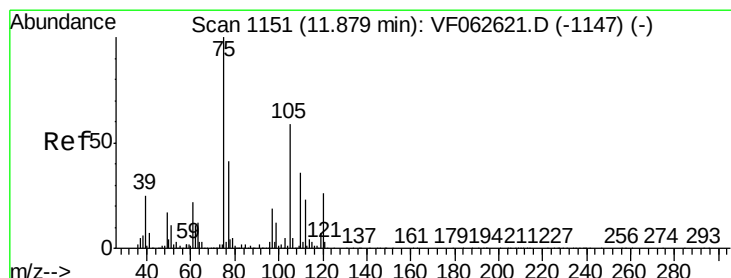
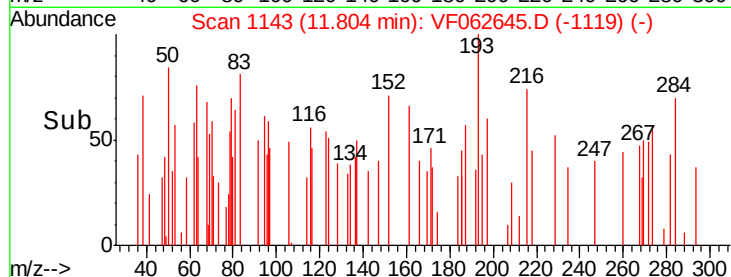
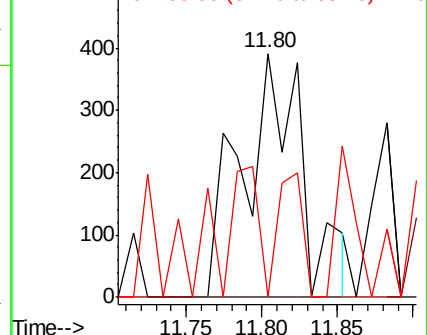
85 0.0 33.5 100.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 321.498 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.03 min

Lab File: VF062645.D

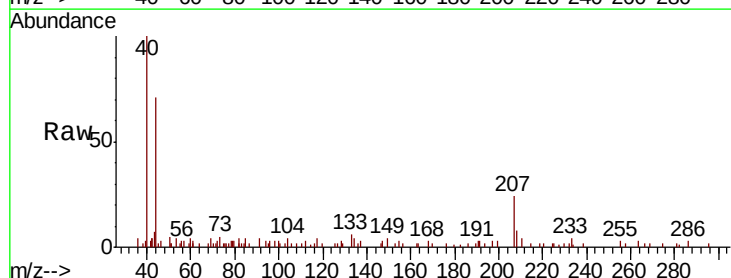
Acq: 17 May 2019 18:23

Tgt Ion: 75 Resp: 526

Ion Ratio Lower Upper

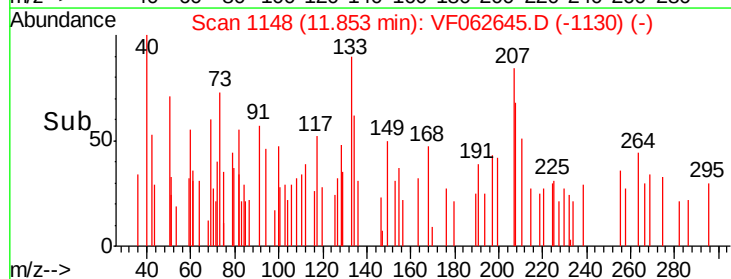
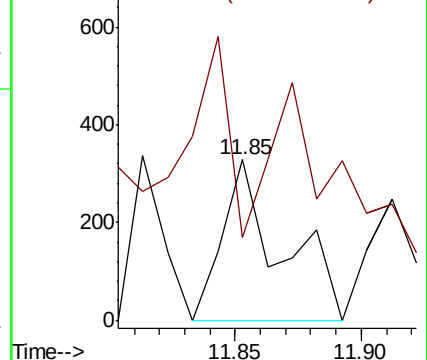
75 100

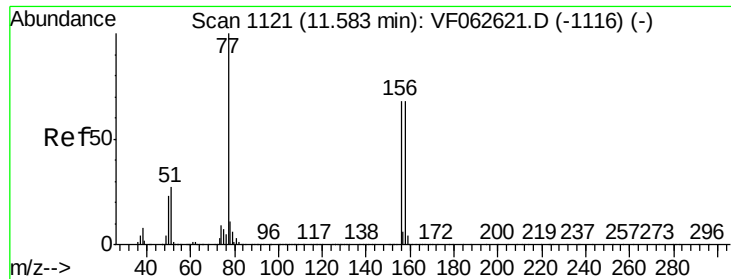
77 51.7 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.839 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

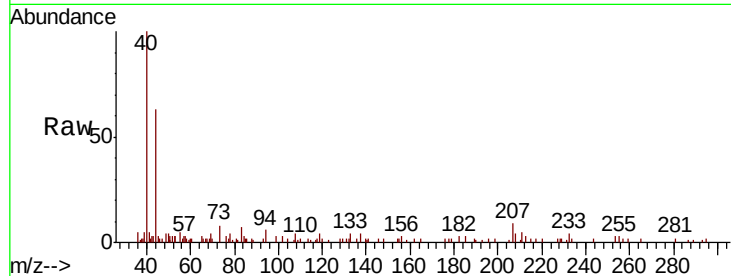
Tot Ion:156 Resp: 157

Ion Ratio Lower Upper

156 100

77 63.5 73.6 220.8#

158 39.5 49.6 148.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V

600

500

400

300

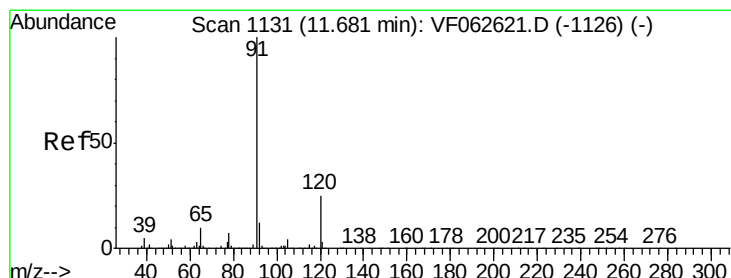
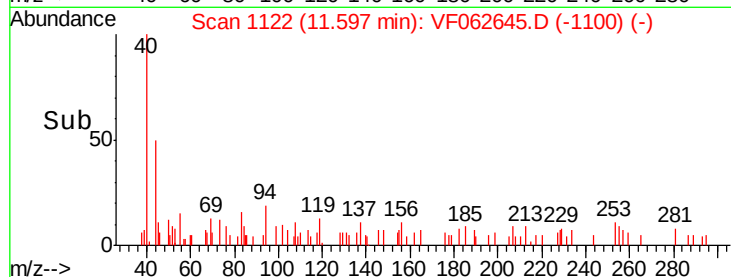
200

100

0

11.56 11.58 11.60 11.62

Time-->



#78

n-propylbenzene

Concen: 11.790 ug/l

RT: 11.54 min Scan# 1116

Delta R.T. -0.14 min

Lab File: VF062645.D

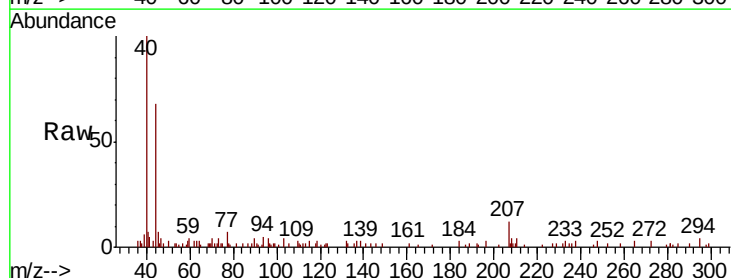
Acq: 17 May 2019 18:23

Tgt Ion: 91 Resp: 170

Ion Ratio Lower Upper

91 100

120 38.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

300

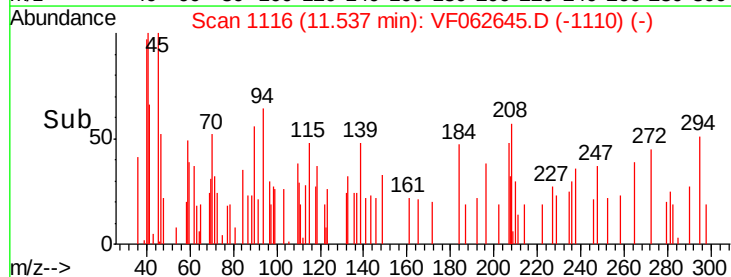
200

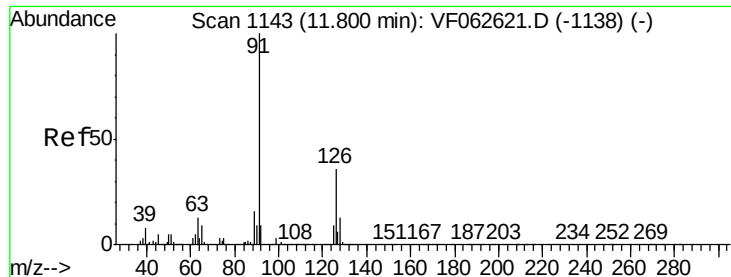
100

0

11.52 11.54 11.56

Time-->





#79

2-Chlorotoluene

Concen: 66.573 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. 0.05 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

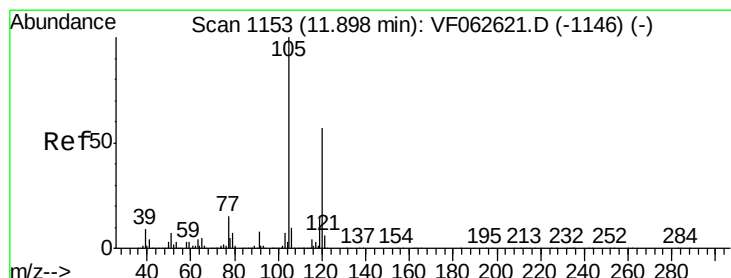
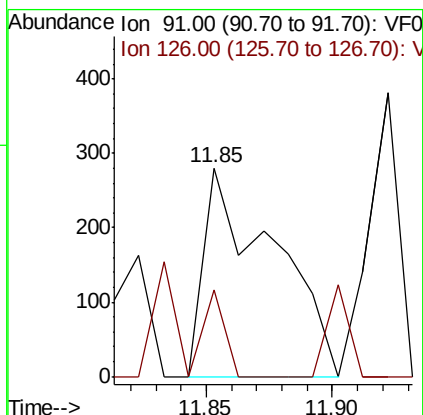
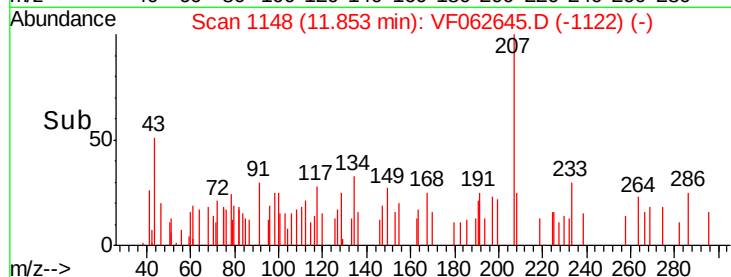
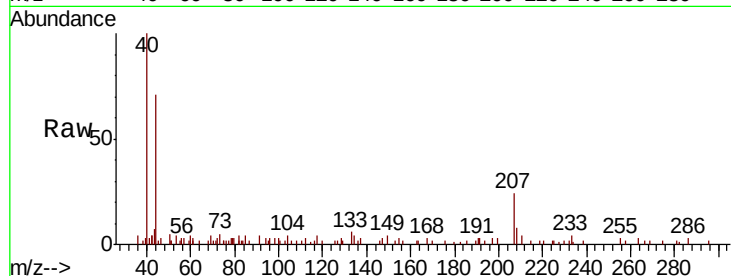
ClientSampleId :

Tot Ion: 91 Resp: 541

Ion Ratio Lower Upper

91 100

126 41.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 19.141 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.07 min

Lab File: VF062645.D

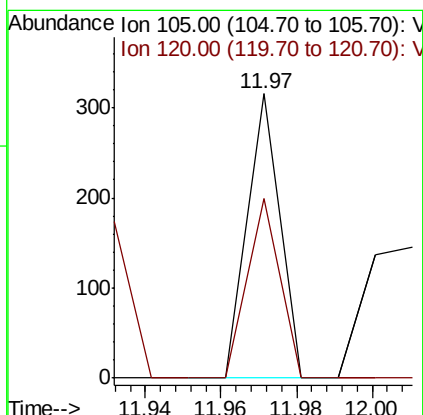
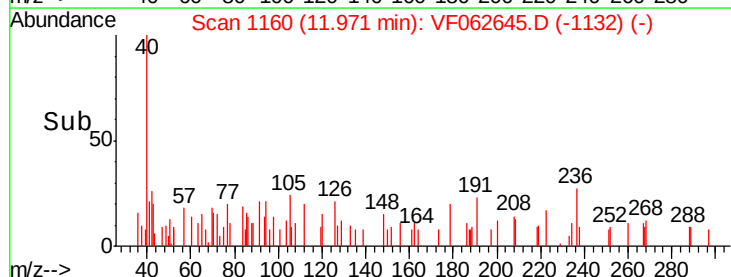
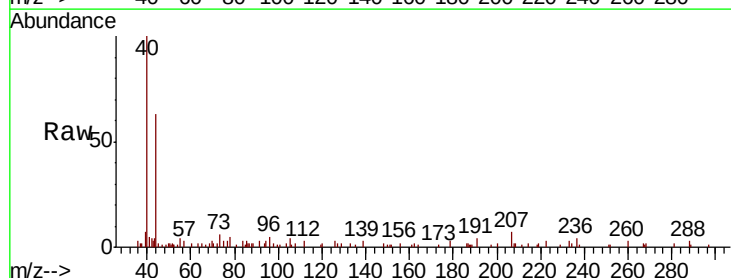
Acq: 17 May 2019 18:23

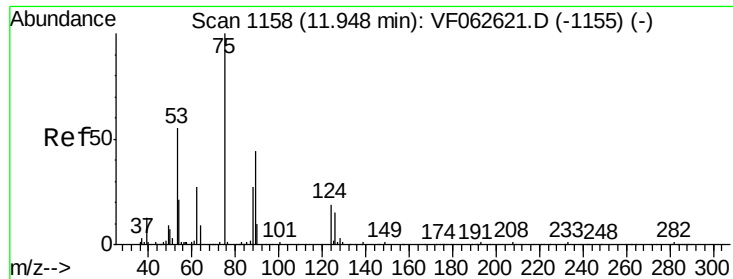
Tgt Ion: 105 Resp: 187

Ion Ratio Lower Upper

105 100

120 63.0 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1039.529 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

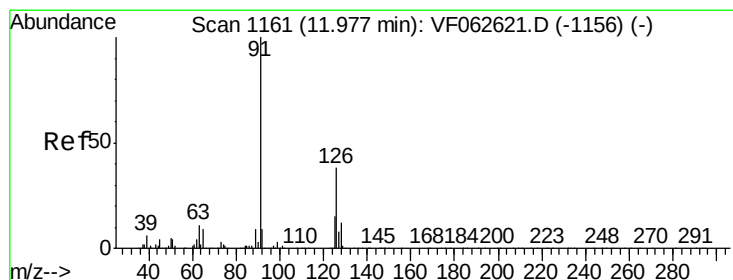
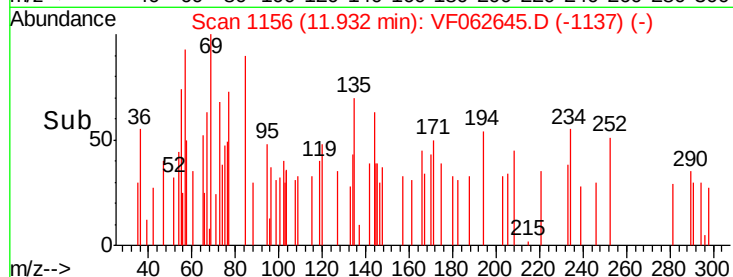
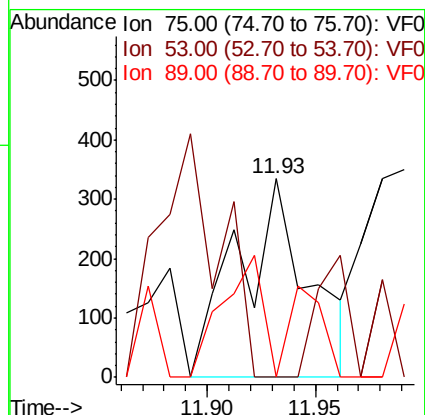
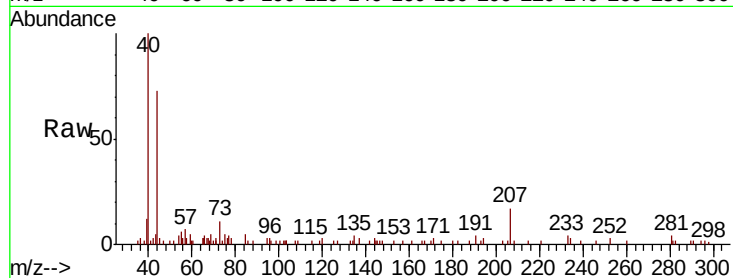
Tot Ion: 75 Resp: 756

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

89 0.0 36.4 54.6#



#82

4-Chlorotoluene

Concen: 72.127 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VF062645.D

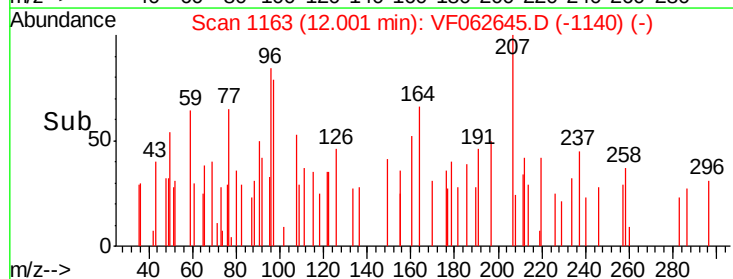
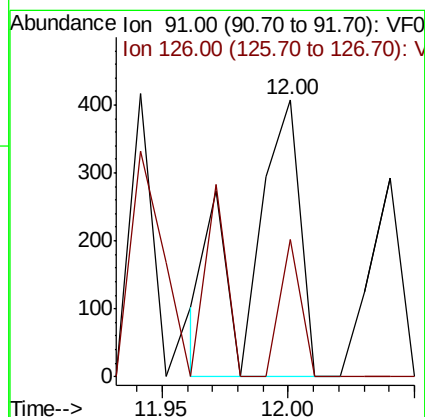
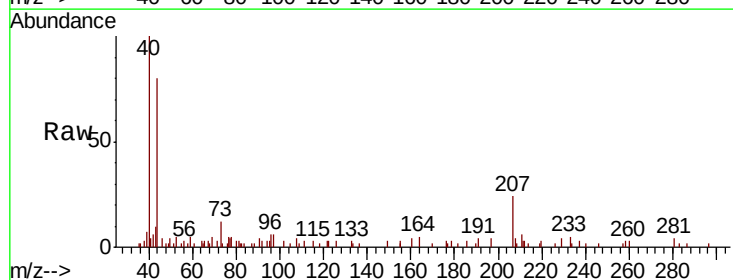
Acq: 17 May 2019 18:23

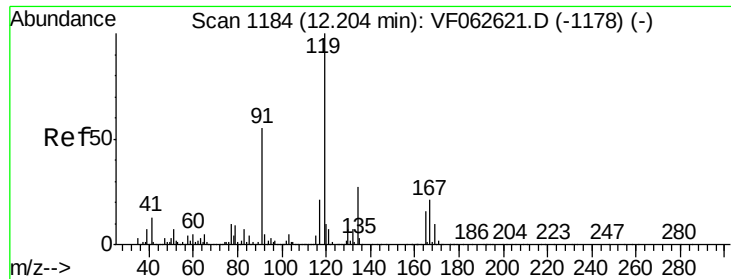
Tgt Ion: 91 Resp: 578

Ion Ratio Lower Upper

91 100

126 49.8 19.1 57.1





#83

tert-Butylbenzene

Concen: 40.860 ug/l

RT: 12.17 min Scan# 1180

Delta R.T. -0.04 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampleId :

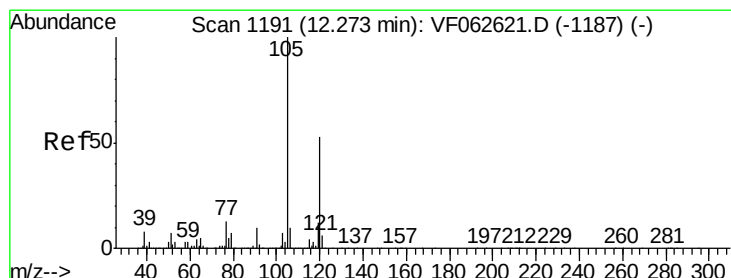
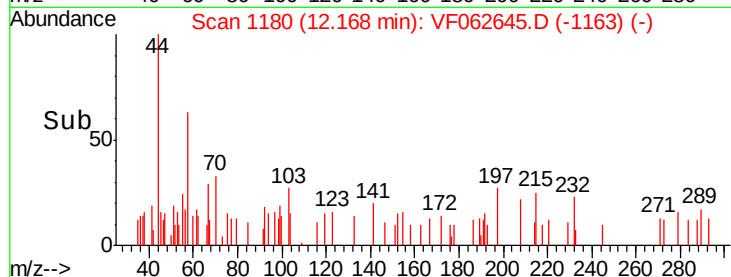
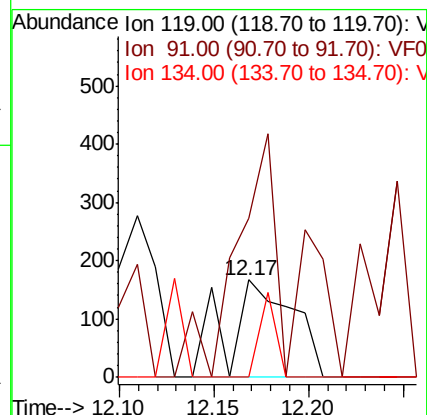
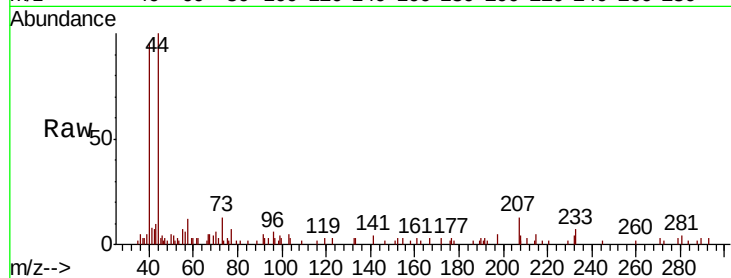
Tot Ion:119 Resp: 405

Ion Ratio Lower Upper

119 100

91 163.5 27.3 81.9#

134 0.0 13.6 40.7#



#84

1,2,4-Trimethylbenzene

Concen: 31.303 ug/l

RT: 12.26 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062645.D

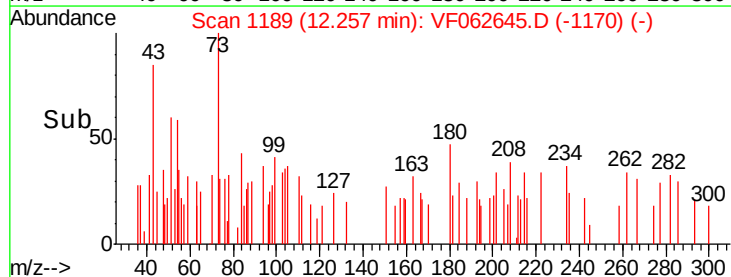
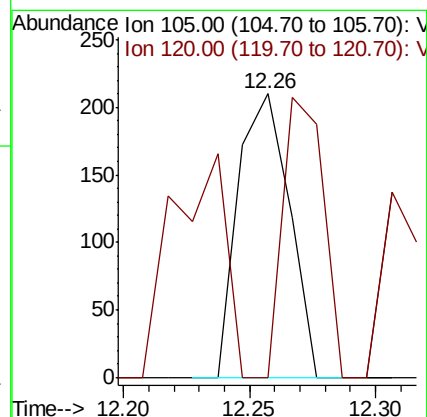
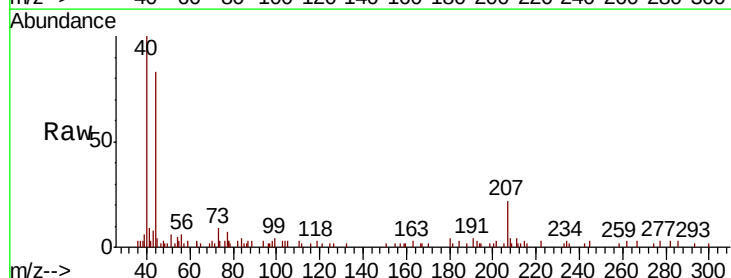
Acq: 17 May 2019 18:23

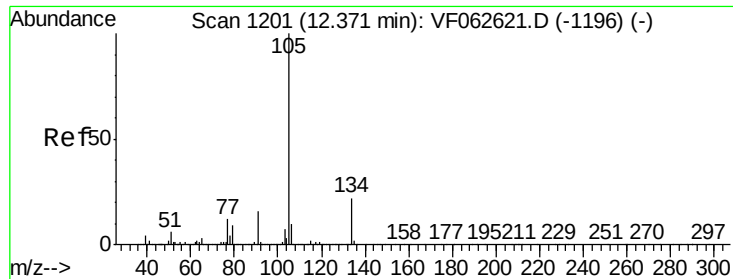
Tgt Ion:105 Resp: 296

Ion Ratio Lower Upper

105 100

120 0.0 26.7 80.1#

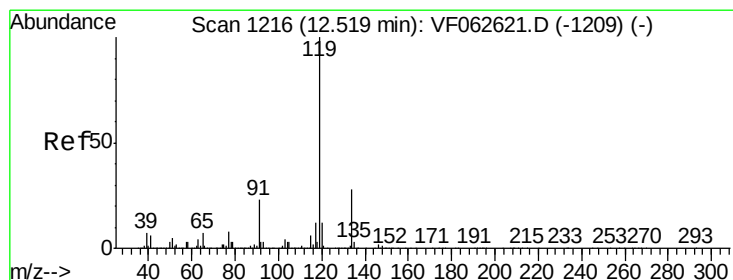
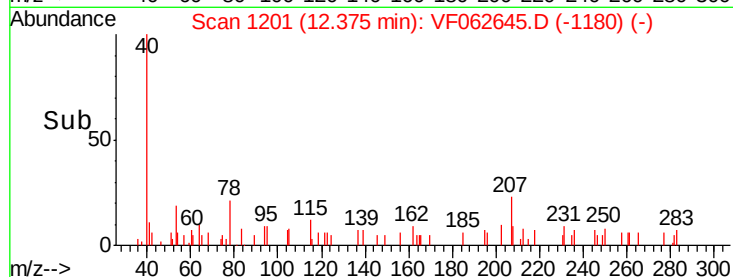
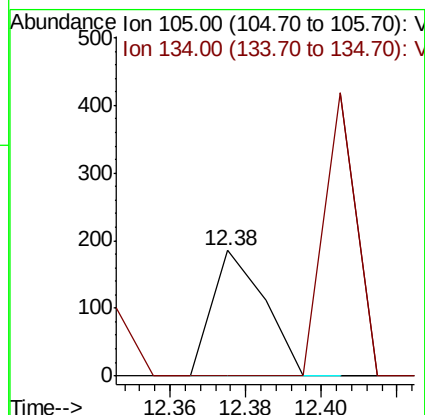
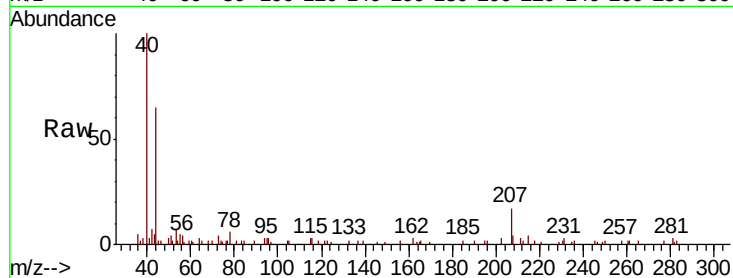




#85
 sec-Butylbenzene
 Concen: 13.231 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

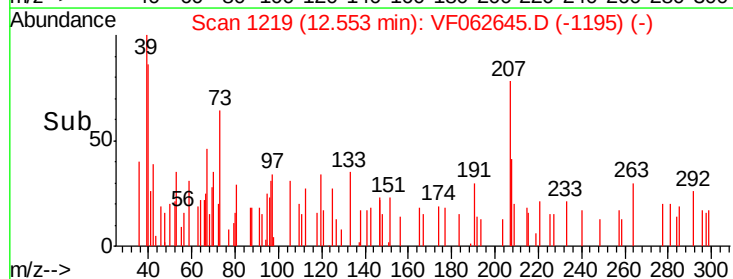
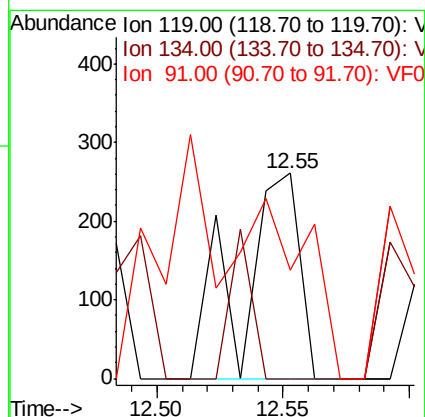
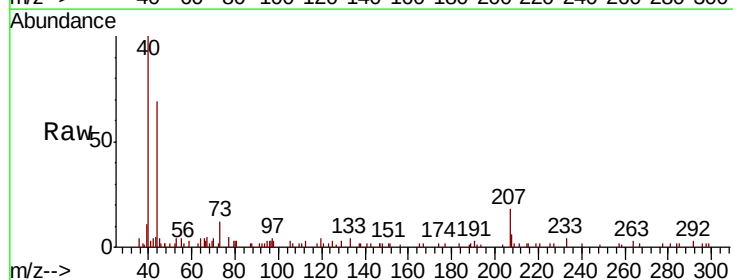
Instrument :
 MSVOA_F
 ClientSampled :

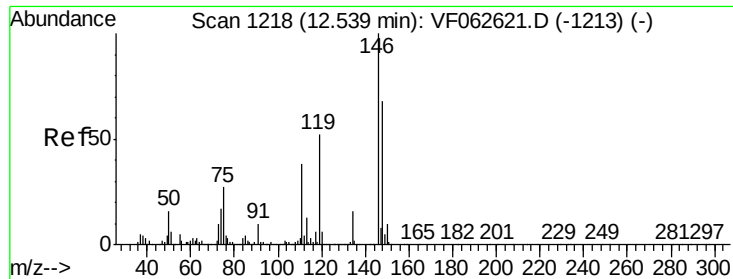
Tot Ion:105 Resp: 176
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.8 32.4#



#86
 p-Isopropyltoluene
 Concen: 37.287 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.03 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

Tgt Ion:119 Resp: 418
 Ion Ratio Lower Upper
 119 100
 134 0.0 14.1 42.3#
 91 52.9 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 14.600 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.02 min

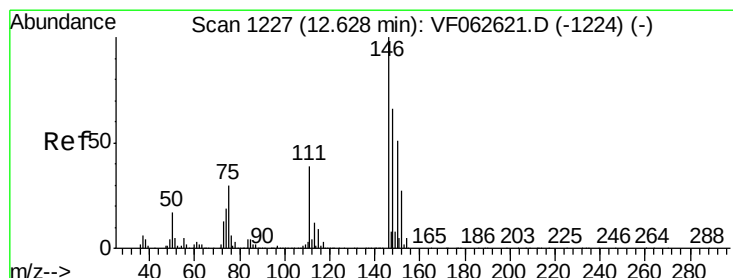
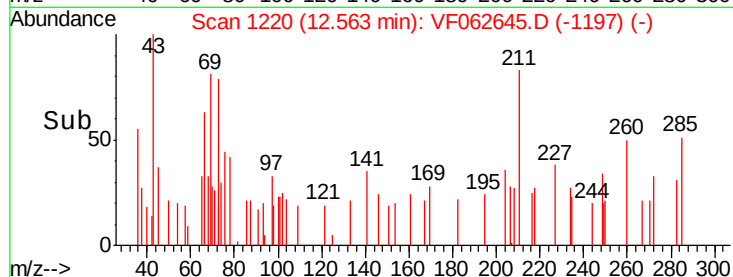
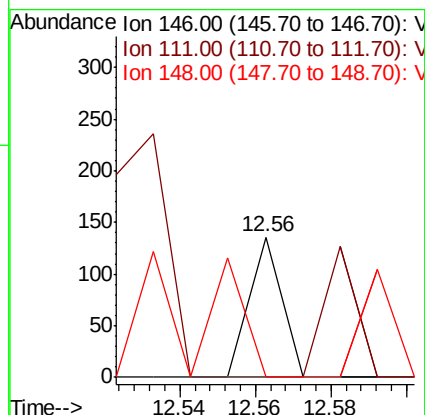
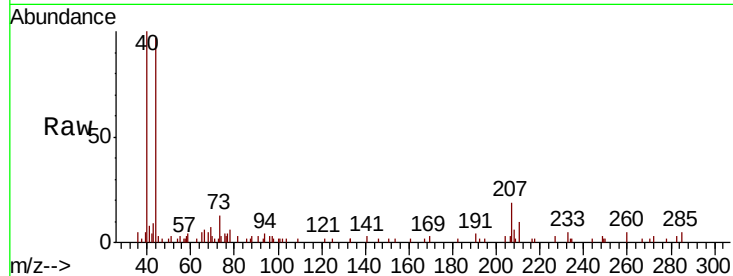
Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:146 Resp: 80

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: 11.669 ug/l

RT: 12.61 min Scan# 1225

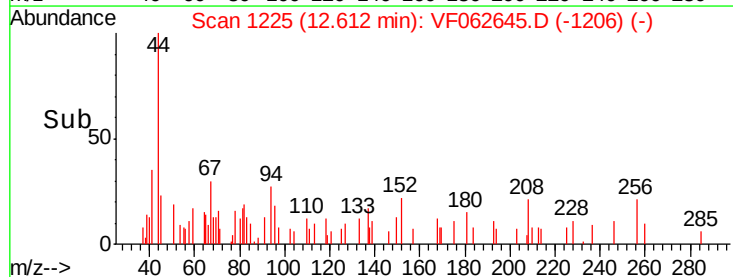
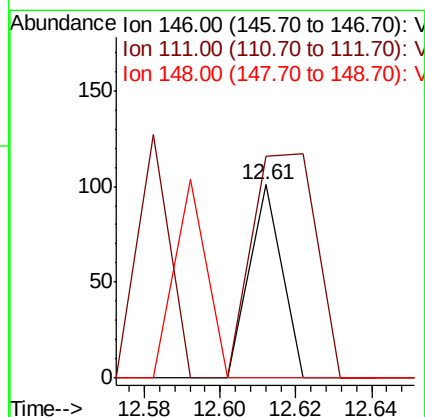
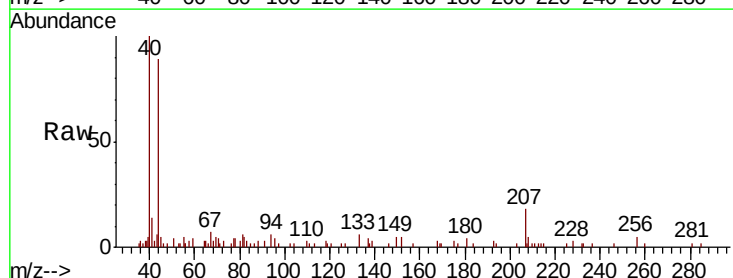
Delta R.T. -0.02 min

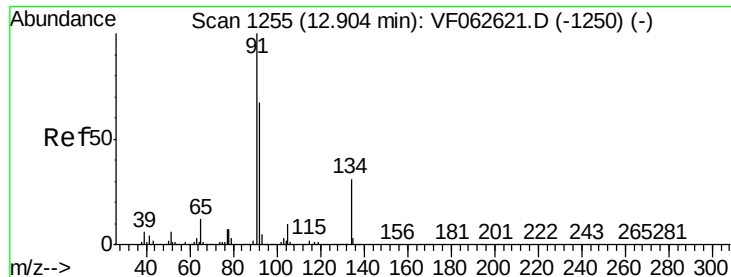
Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion:146 Resp: 60

Ion	Ratio	Lower	Upper
146	100		
111	114.9	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 31.213 ug/l

RT: 12.95 min Scan# 1259

Delta R.T. 0.04 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

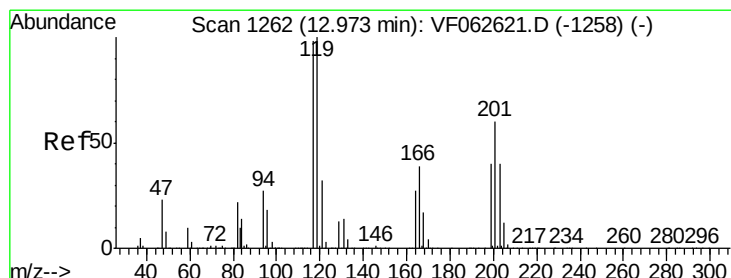
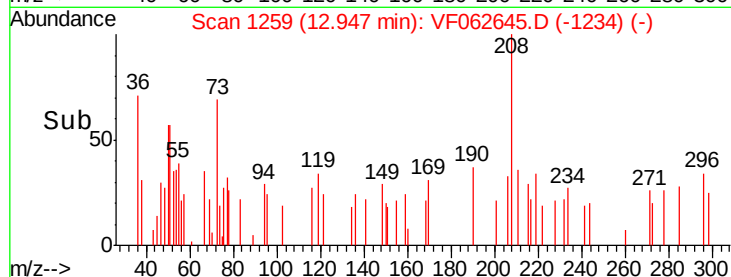
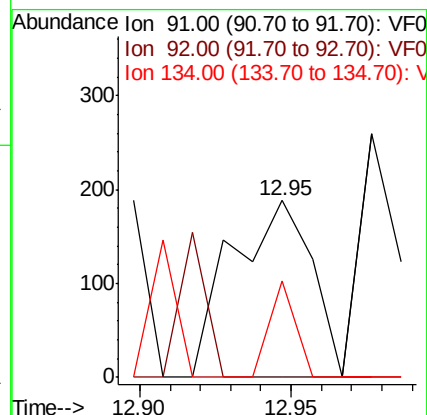
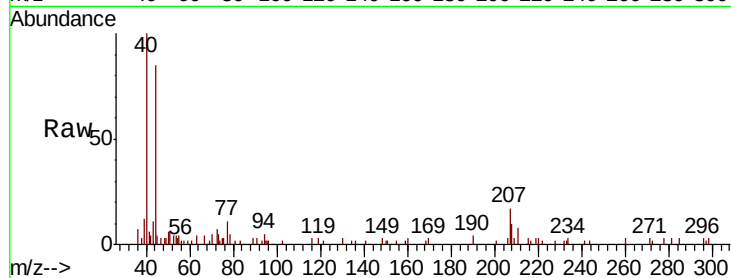
Tot Ion: 91 Resp: 345

Ion Ratio Lower Upper

91 100

92 0.0 33.3 99.8#

134 54.3 15.4 46.4#



#90

Hexachloroethane

Concen: 74.371 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VF062645.D

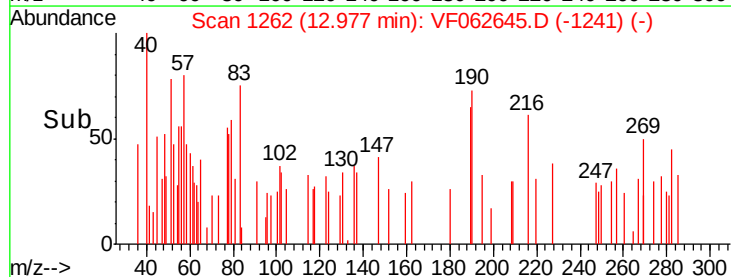
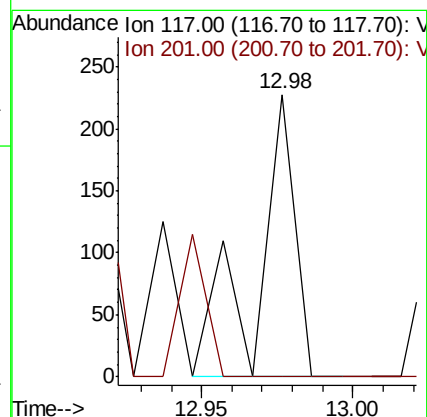
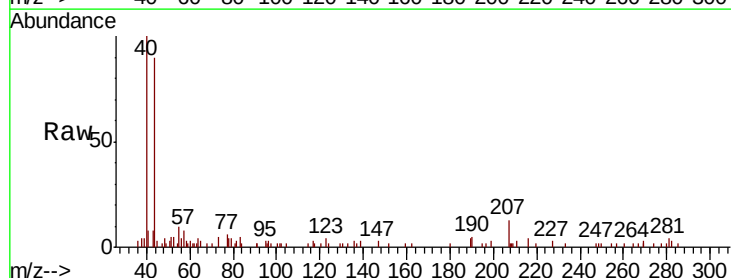
Acq: 17 May 2019 18:23

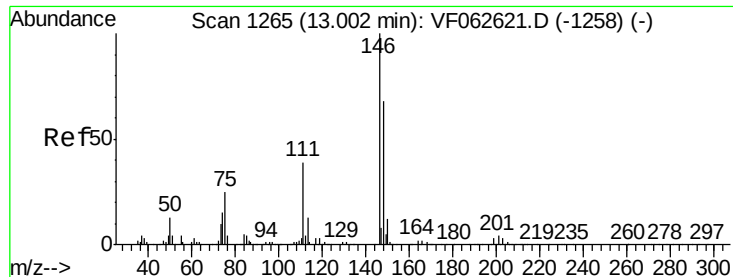
Tgt Ion: 117 Resp: 200

Ion Ratio Lower Upper

117 100

201 0.0 30.7 92.1#

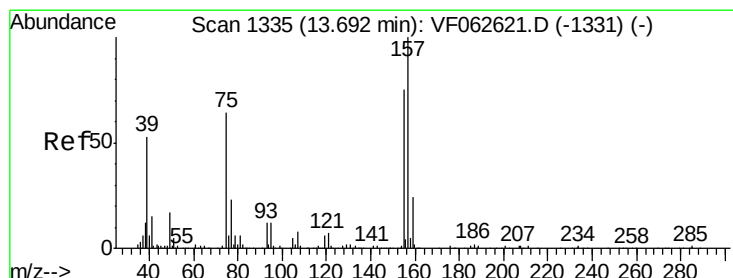
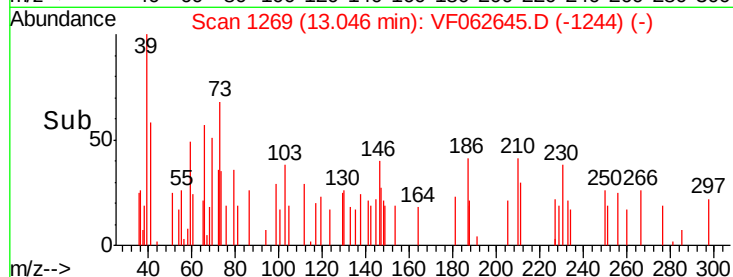
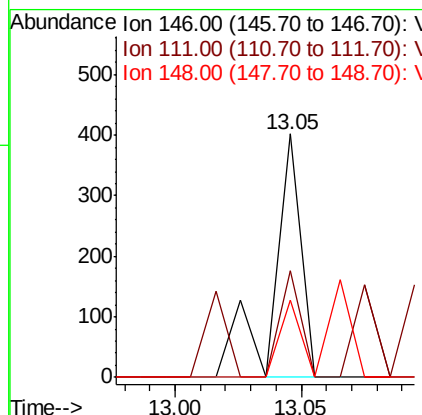
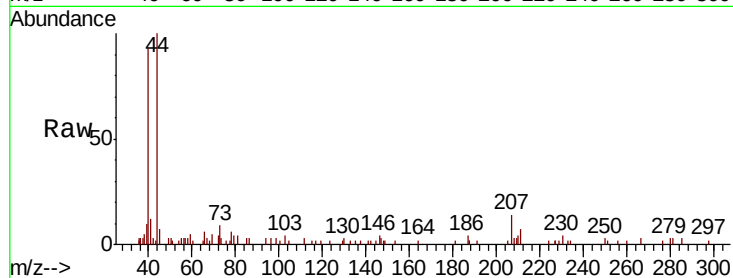




#91
 1,2-Dichlorobenzene
 Concen: 64.083 ug/l
 RT: 13.05 min Scan# 1269
 Delta R.T. 0.04 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

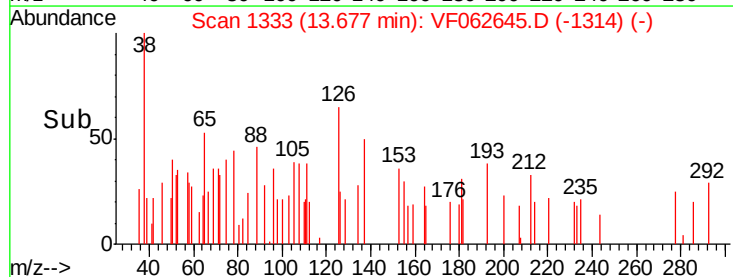
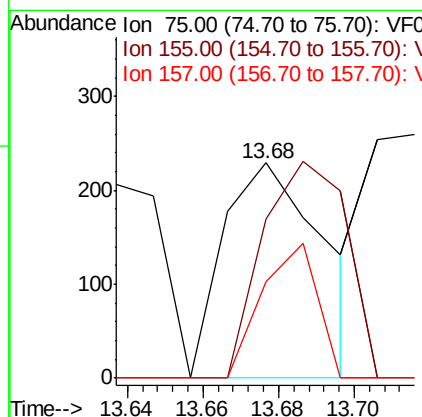
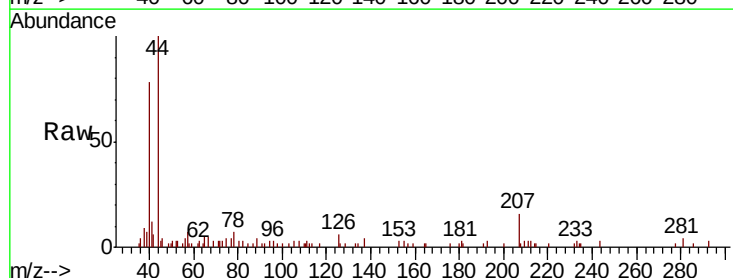
Instrument :
 MSVOA_F
 ClientSampled :

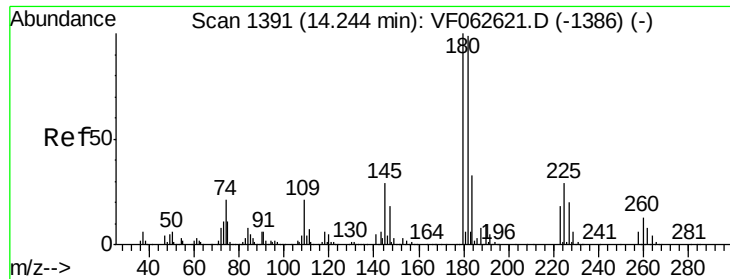
Tot Ion:146 Resp: 313
 Ion Ratio Lower Upper
 146 100
 111 43.8 19.8 59.3
 148 31.8 34.1 102.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1410.547 ug/l
 RT: 13.68 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: VF062645.D
 Acq: 17 May 2019 18:23

Tgt Ion: 75 Resp: 419
 Ion Ratio Lower Upper
 75 100
 155 74.2 58.1 174.3
 157 45.0 77.8 233.4#





#93

1,2,4-Trichlorobenzene

Concen: 20.022 ug/l

RT: 14.29 min Scan# 1395

Delta R.T. 0.04 min

Lab File: VF062645.D

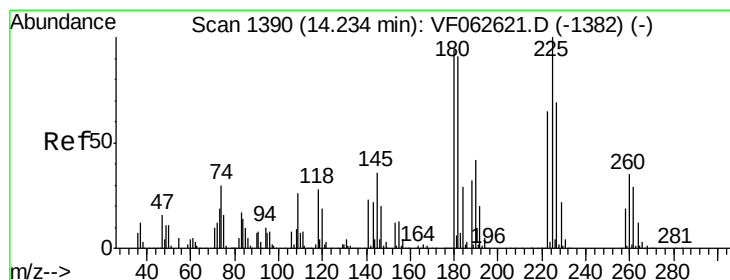
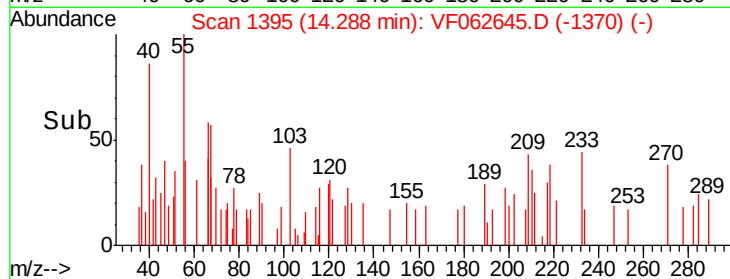
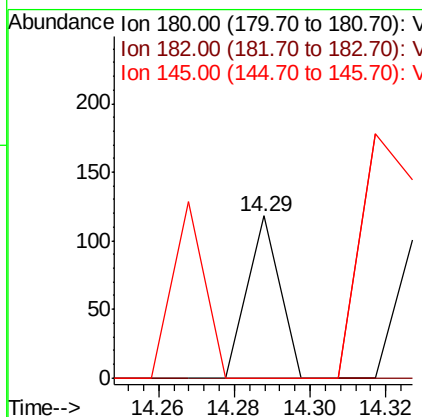
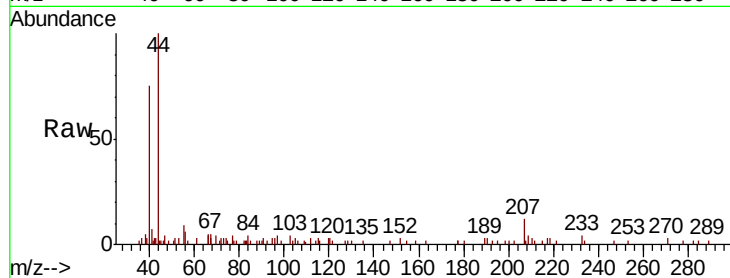
Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	180	Resp:	70
Ion	Ratio	Lower	Upper
180	100		
182	0.0	49.7	149.1#
145	0.0	14.6	44.0#



#94

Hexachlorobutadiene

Concen: 25.001 ug/l

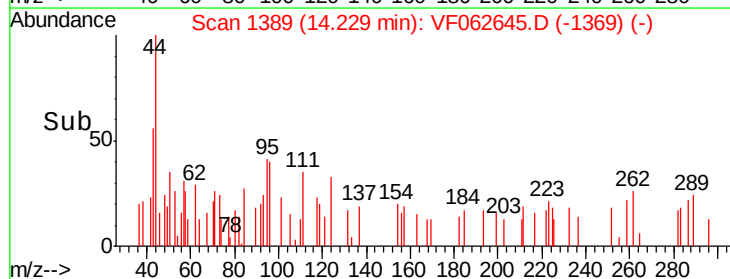
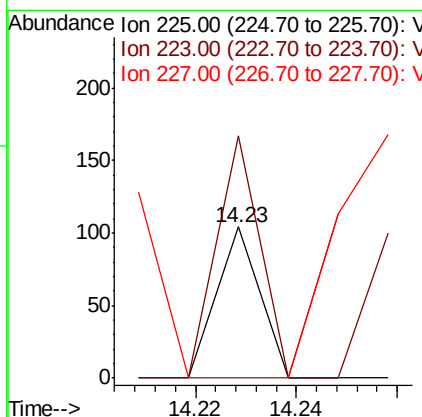
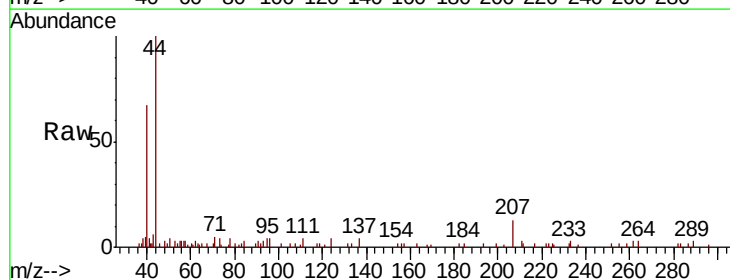
RT: 14.23 min Scan# 1389

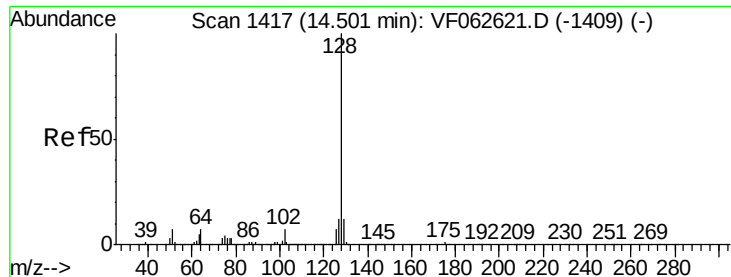
Delta R.T. -0.01 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Tgt Ion:	225	Resp:	61
Ion	Ratio	Lower	Upper
225	100		
223	160.6	32.5	97.4#
227	0.0	34.5	103.5#





#95

Naphthalene

Concen: 54.318 ug/l

RT: 14.47 min Scan# 1414

Delta R.T. -0.03 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

Instrument :

MSVOA_F

ClientSampleId :

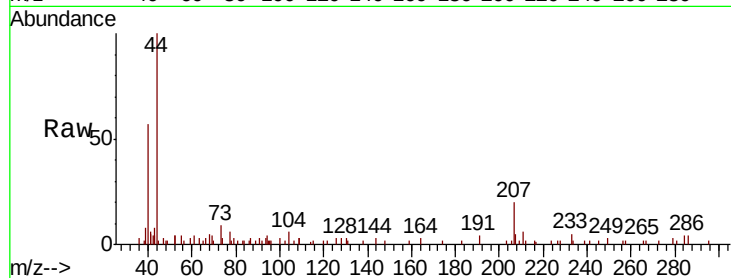
Tot Ion:128 Resp: 345

Ion Ratio Lower Upper

128 100

127 0.0 9.7 14.5#

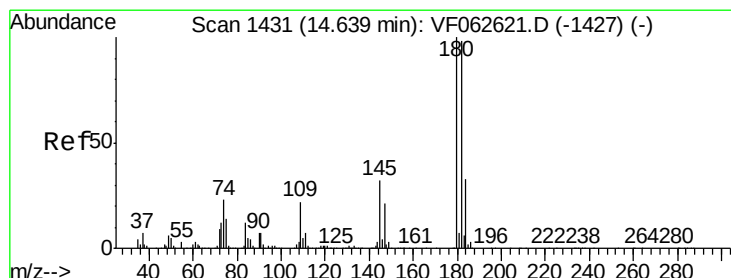
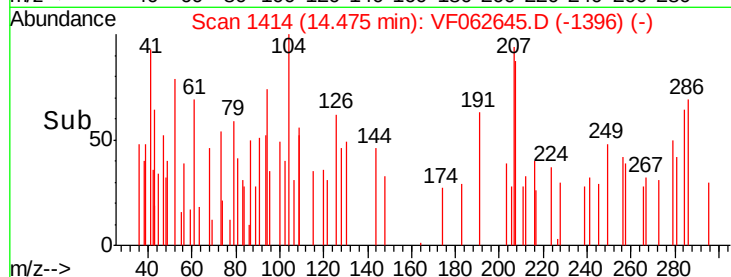
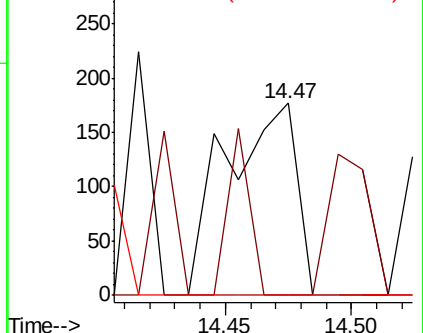
129 0.0 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 34.123 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062645.D

Acq: 17 May 2019 18:23

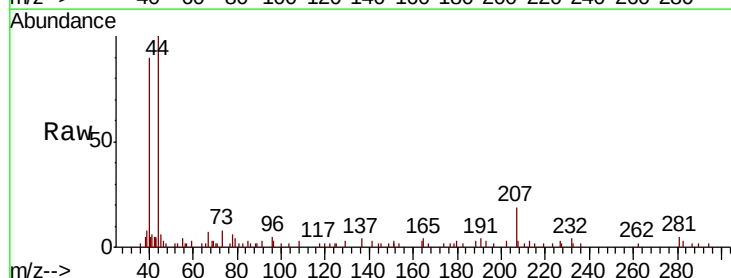
Tgt Ion:180 Resp: 113

Ion Ratio Lower Upper

180 100

182 53.4 48.9 146.7

145 83.8 16.1 48.2#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

