

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062732.D
 Acq On : 23 May 2019 17:42
 Operator : FY/SY
 Sample : K3019-01
 Misc : 8.57µ/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3422

Quant Time: May 24 02:15:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.95	114	118	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.18	117	253	50.00	ug/l	0.27
72) 1,4-Dichlorobenzene-d4	12.67	152	492	50.00	ug/l	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	259	89.61	ug/l	0.03
Spiked Amount			Recovery	=	179.22%	
35) Dibromofluoromethane	4.45	113	238	263.58	ug/l	0.13
Spiked Amount			Recovery	=	527.16%	
50) Toluene-d8	7.96	98	358	166.06	ug/l	0.24
Spiked Amount			Recovery	=	332.12%	
62) 4-Bromofluorobenzene	11.84	95	299	365.68	ug/l	0.33
Spiked Amount			Recovery	=	731.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.86	85	802	144.092	ug/l	83
3) Chloromethane	1.17	50	698	136.196	ug/l #	43
4) Vinyl Chloride	1.15	62	59	12.507	ug/l #	1
5) Bromomethane	1.41	94	817	316.573	ug/l	91
6) Chloroethane	1.45	64	321	185.274	ug/l #	56
7) Trichlorofluoromethane	1.65	101	413	65.201	ug/l	98
8) Diethyl Ether	1.71	74	187	149.021	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.89	101	109	27.025	ug/l #	19
10) Methyl Iodide	1.95	142	430	54.271	ug/l #	69
11) Tert butyl alcohol	2.70	59	387	2028.162	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	551	149.966	ug/l #	5
13) Acrolein	1.97	56	732	3675.036	ug/l	98
14) Allyl chloride	2.18	41	383	115.177	ug/l #	63
15) Acrylonitrile	3.21	53	368	683.697	ug/l	92
16) Acetone	2.31	43	680	906.897	ug/l	96
17) Carbon Disulfide	1.90	76	520	47.750	ug/l #	30
18) Methyl Acetate	2.31	43	680	577.114	ug/l	98
19) Methyl tert-butyl Ether	2.57	73	1274	193.967	ug/l #	88
20) Methylene Chloride	2.33	84	76	20.221	ug/l #	1
21) trans-1,2-Dichloroethene	2.43	96	1036	288.483	ug/l #	31
22) Diisopropyl ether	2.96	45	1080	131.683	ug/l #	43
23) Vinyl Acetate	3.37	43	777	140.442	ug/l #	59
24) 1,1-Dichloroethane	3.00	63	677	112.522	ug/l #	86
25) 2-Butanone	4.52	43	944	589.276	ug/l	99
26) 2,2-Dichloropropane	3.81	77	555	161.220	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	1199	202.974	ug/l	14
28) Bromochloromethane	3.91	49	372	110.242	ug/l #	3
29) Tetrahydrofuran	4.19	42	649	1001.142	ug/l	90
30) Chloroform	4.08	83	445	53.271	ug/l #	16
31) Cyclohexane	3.87	56	701	86.773	ug/l #	29
32) 1,1,1-Trichloroethane	4.31	97	129	23.253	ug/l #	65
36) 1,1-Dichloropropene	4.59	75	196	162.099	ug/l #	1
37) Ethyl Acetate	4.45	43	1102	2232.161	ug/l #	1
38) Carbon Tetrachloride	4.32	117	136	149.555	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.80	83	282	193.828	ug/l #	1
40) Benzene	4.99	78	327	99.271	ug/l #	1
41) Methacrylonitrile	5.12	41	1401	5412.840	ug/l #	43
42) 1,2-Dichloroethane	5.27	62	86	130.922	ug/l #	71
43) Isopropyl Acetate	7.34	43	200	312.697	ug/l #	89
44) Trichloroethene	5.89	130	93	100.454	ug/l #	42
45) 1,2-Dichloropropane	6.62	63	143	171.973	ug/l #	42
46) Dibromomethane	6.44	93	172	357.915	ug/l #	3
47) Bromodichloromethane	6.73	83	376	376.886	ug/l #	25
48) Methyl methacrylate	7.11	41	109	326.048	ug/l #	13
49) 1,4-Dioxane	7.06	88	187	43673.532	ug/l #	12
51) 4-Methyl-2-Pentanone	8.67	43	1335	3053.600	ug/l #	32
52) Toluene	8.04	92	146	84.514	ug/l #	1
53) t-1,3-Dichloropropene	8.75	75	422	517.032	ug/l #	90
54) cis-1,3-Dichloropropene	7.70	75	377	329.968	ug/l #	42
55) 1,1,2-Trichloroethane	8.90	97	205	400.783	ug/l #	57
56) Ethyl methacrylate	9.00	69	305	500.503	ug/l #	55
57) 1,3-Dichloropropane	9.26	76	93	106.745	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.64	63	237	1194.823	ug/l #	51
59) 2-Hexanone	9.74	43	359	1339.835	ug/l #	74
60) Dibromochloromethane	9.11	129	112	168.005	ug/l #	12
61) 1,2-Dibromoethane	9.55	107	82	150.933	ug/l #	98
64) Tetrachloroethene	8.36	164	141	70.348	ug/l #	1
65) Chlorobenzene	9.98	112	73	14.691	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	173	86.723	ug/l #	18
67) Ethyl Benzene	10.02	91	308	35.679	ug/l #	42
68) m/p-Xylenes	10.12	106	83	25.582	ug/l #	82
69) o-Xylene	10.95	106	129	38.601	ug/l #	37
70) Styrene	10.87	104	170	33.469	ug/l #	33
71) Bromoform	10.88	173	102	102.092	ug/l #	69
73) Isopropylbenzene	11.11	105	544	15.427	ug/l #	76
74) N-amyl acetate	11.41	43	1337	160.998	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.79	83	164	22.758	ug/l #	23
76) 1,2,3-Trichloropropane	11.92	75	360	76.029	ug/l #	1
77) Bromobenzene	11.60	156	173	19.737	ug/l #	57
78) n-propylbenzene	11.66	91	311	7.452	ug/l #	50
79) 2-Chlorotoluene	11.81	91	391	16.625	ug/l #	78
80) 1,3,5-Trimethylbenzene	11.92	105	492	17.401	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.92	75	360	171.041	ug/l #	26
82) 4-Chlorotoluene	11.81	91	222	9.572	ug/l #	82
83) tert-Butylbenzene	12.18	119	213	7.425	ug/l #	41
84) 1,2,4-Trimethylbenzene	12.27	105	99	3.618	ug/l #	1
85) sec-Butylbenzene	12.51	105	235	6.104	ug/l #	82
86) p-Isopropyltoluene	12.55	119	216	6.658	ug/l #	1
87) 1,3-Dichlorobenzene	12.49	146	72	4.540	ug/l #	23
88) 1,4-Dichlorobenzene	12.62	146	185	12.432	ug/l #	73
89) n-Butylbenzene	12.90	91	318	9.941	ug/l #	66
90) Hexachloroethane	12.87	117	106	13.620	ug/l #	88
91) 1,2-Dichlorobenzene	12.98	146	93	6.579	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.68	75	450	523.444	ug/l #	1

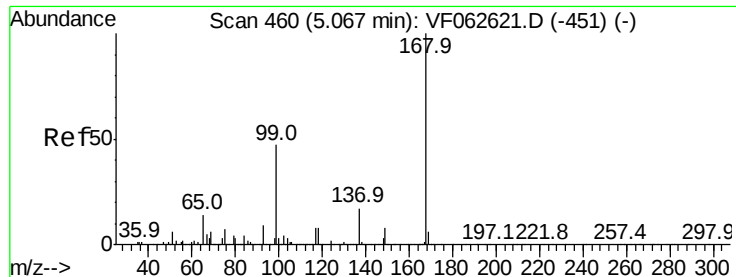
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	280	27.673	ug/l #	11
94) Hexachlorobutadiene	14.13	225	67	9.488	ug/l #	16
95) Naphthalene	14.50	128	144	7.834	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.59	180	99	10.330	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

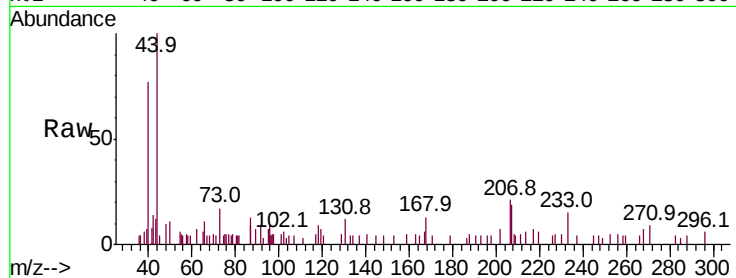
RT-3422

Tot Ion:168 Resp: 409

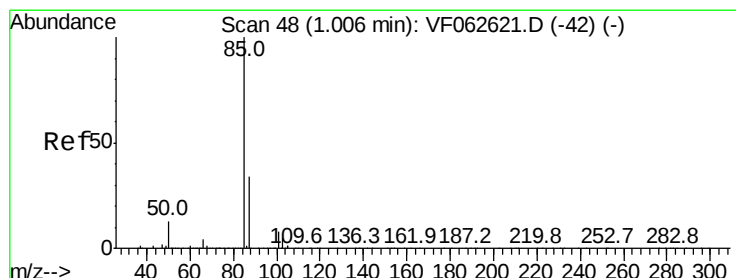
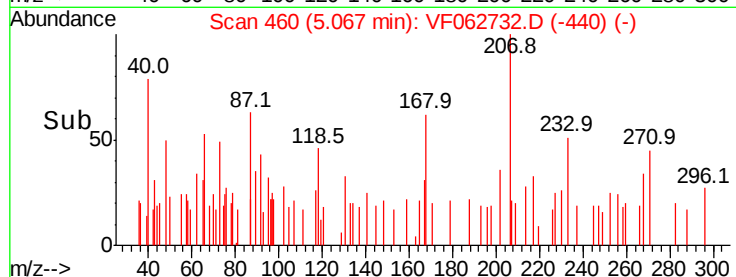
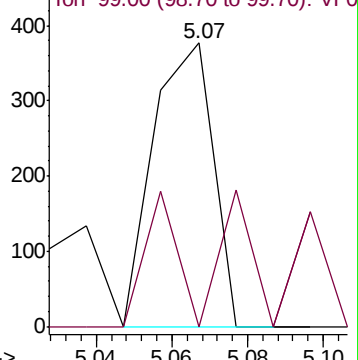
Ion Ratio Lower Upper

168 100

99 0.0 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 144.092 ug/l

RT: 0.86 min Scan# 33

Delta R.T. -0.15 min

Lab File: VF062732.D

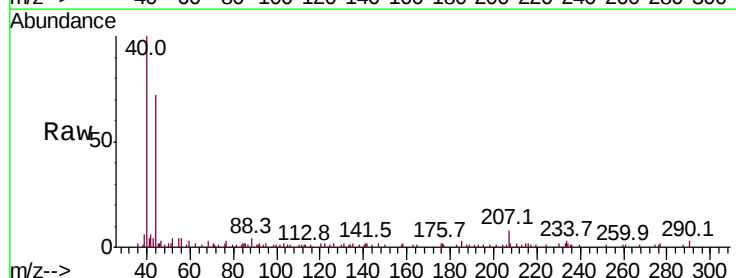
Acq: 23 May 2019 17:42

Tgt Ion: 85 Resp: 802

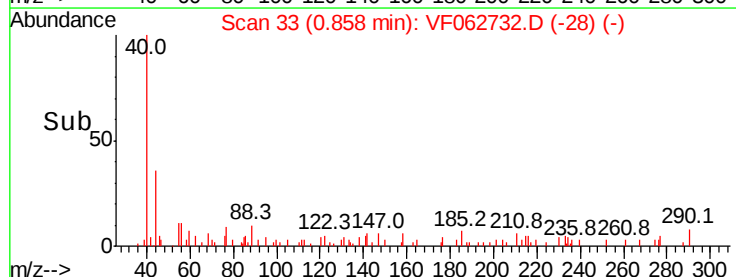
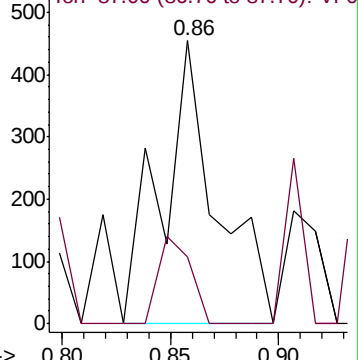
Ion Ratio Lower Upper

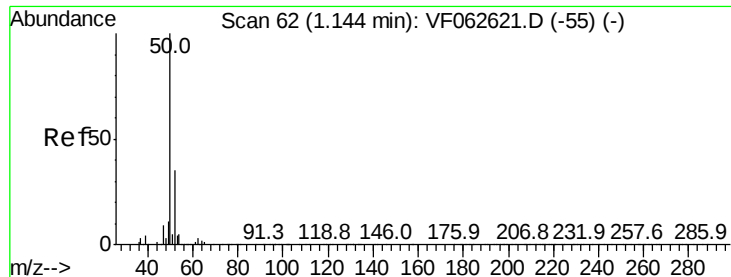
85 100

87 23.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 136.196 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.03 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

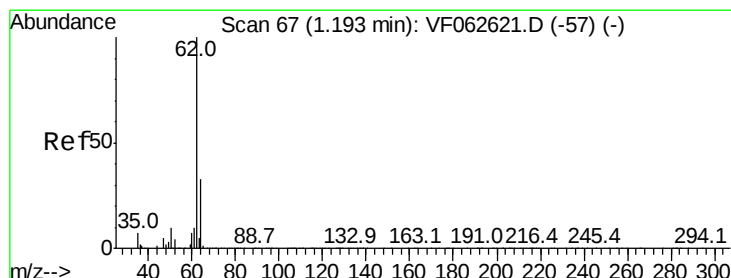
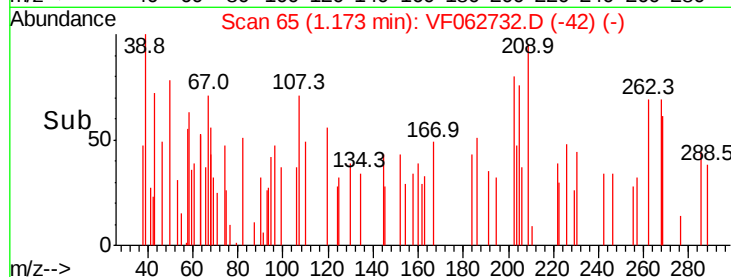
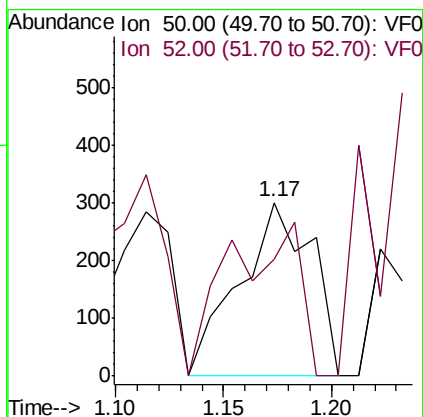
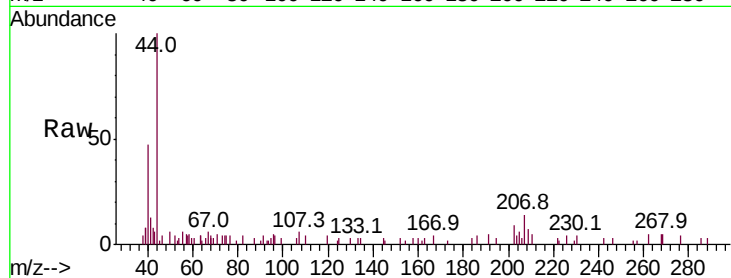
RT-3422

Tot Ion: 50 Resp: 698

Ion Ratio Lower Upper

50 100

52 67.3 27.5 41.3#



#4

Vinyl Chloride

Concen: 12.507 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.04 min

Lab File: VF062732.D

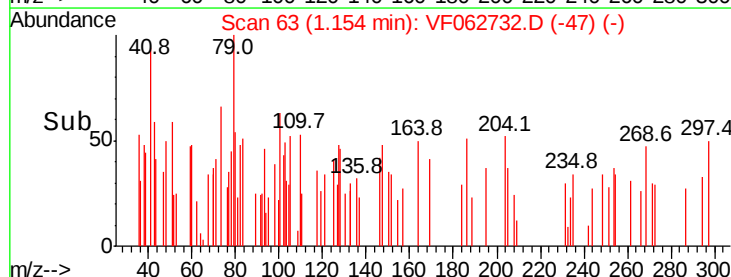
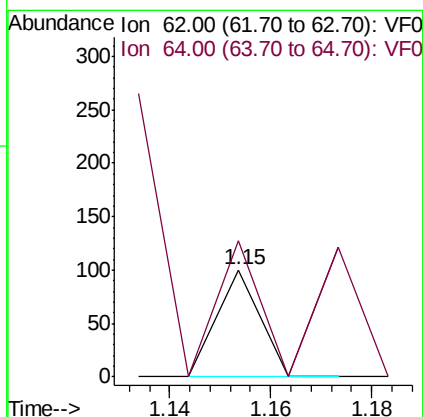
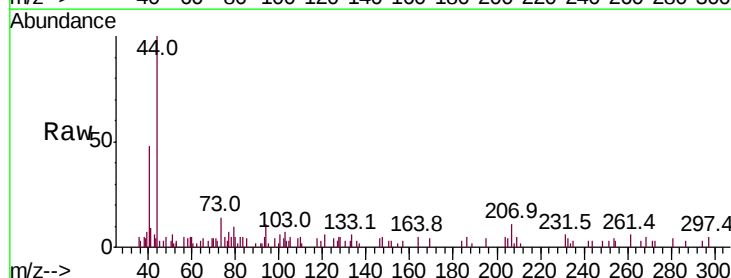
Acq: 23 May 2019 17:42

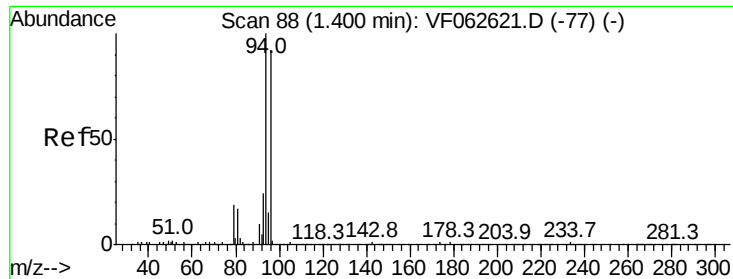
Tgt Ion: 62 Resp: 59

Ion Ratio Lower Upper

62 100

64 128.0 26.7 40.1#





#5

Bromomethane

Concen: 316.573 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

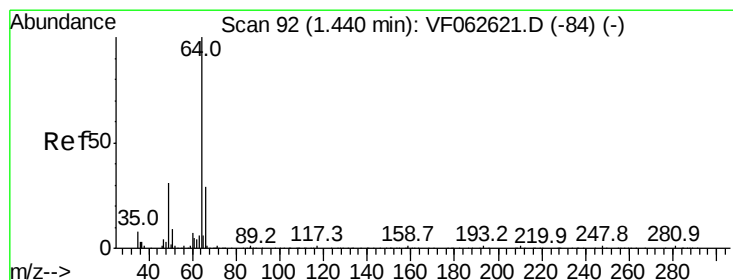
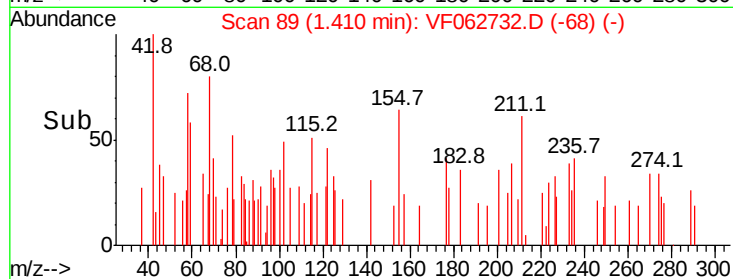
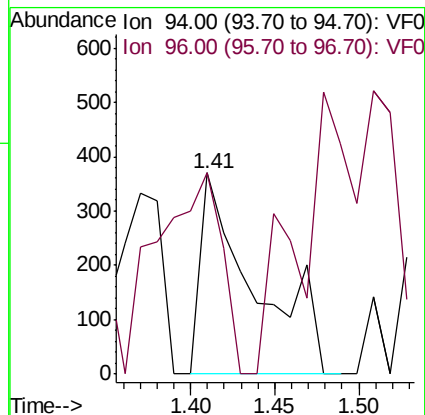
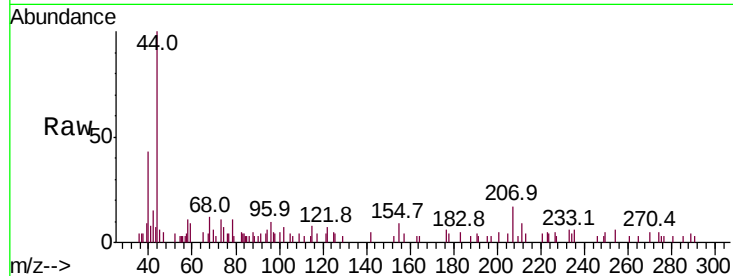
RT-3422

Tot Ion: 94 Resp: 817

Ion Ratio Lower Upper

94 100

96 100.0 73.2 109.8



#6

Chloroethane

Concen: 185.274 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062732.D

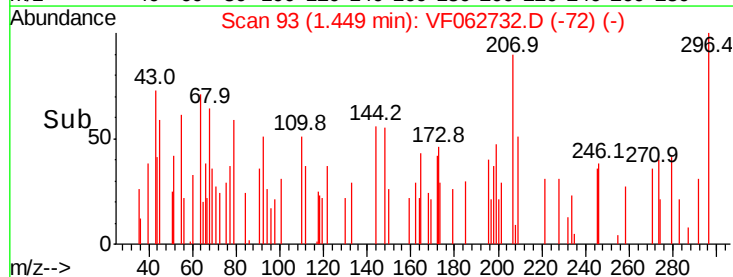
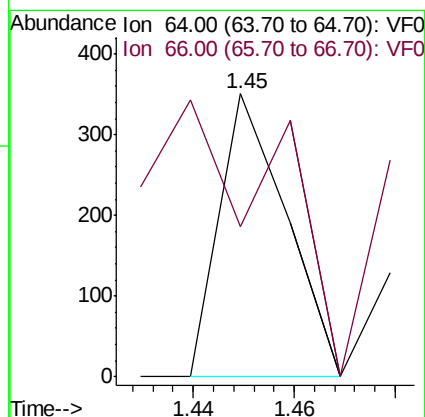
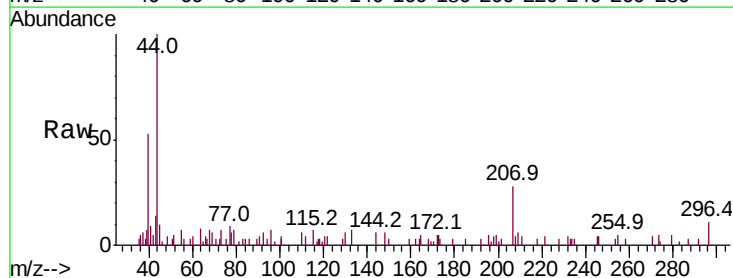
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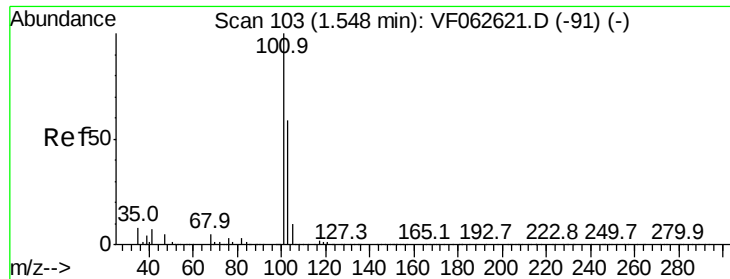
Tgt Ion: 64 Resp: 321

Ion Ratio Lower Upper

64 100

66 53.0 23.4 35.2#



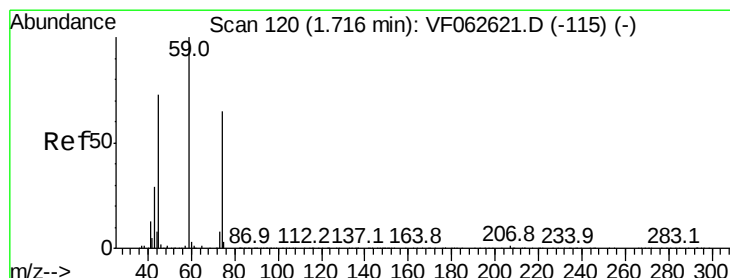
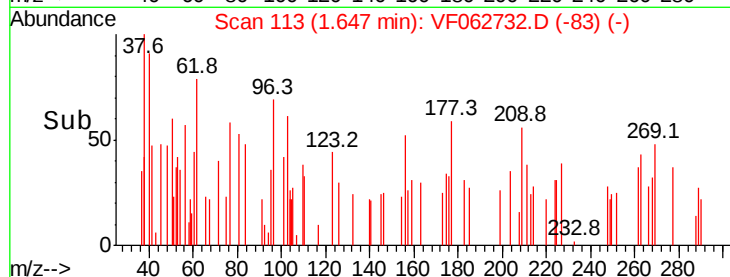
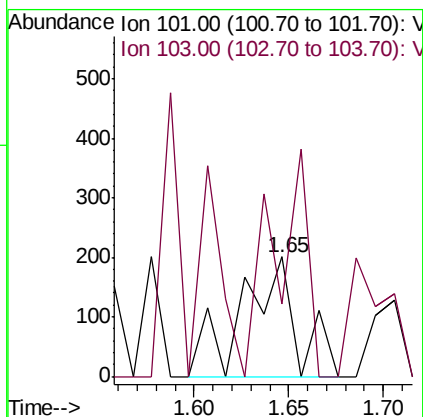
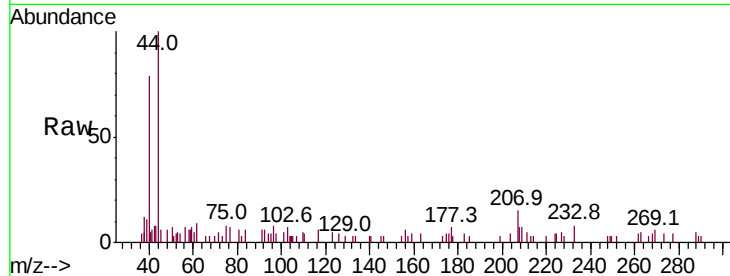


#7

Trichlorofluoromethane
Concen: 65.201 ug/l
RT: 1.65 min Scan# 113
Delta R.T. 0.10 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Instrument :
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ClientSampleId :
RT-3422

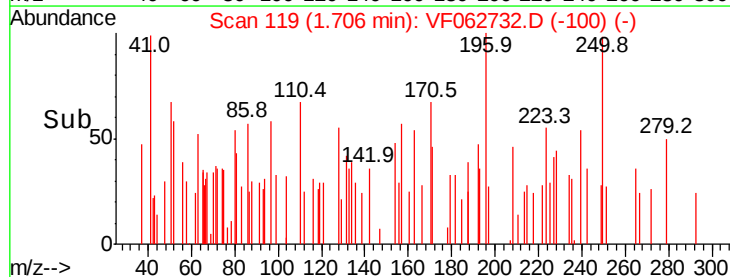
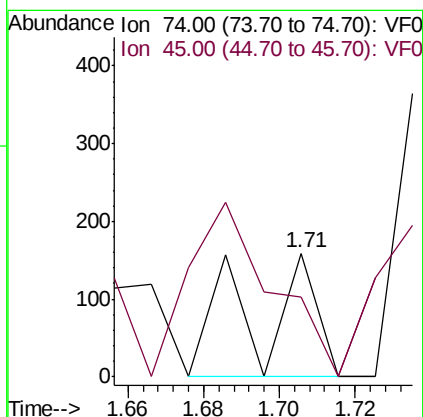
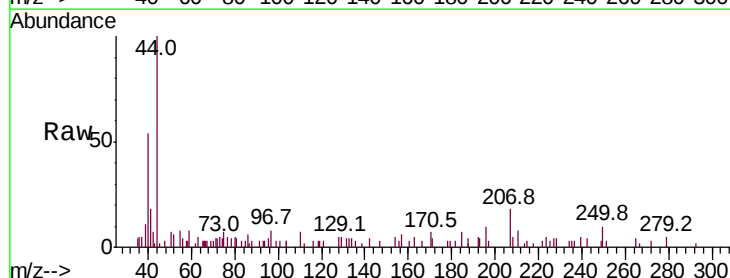
Tot Ion:101 Resp: 413
Ion Ratio Lower Upper
101 100
103 60.7 47.3 70.9

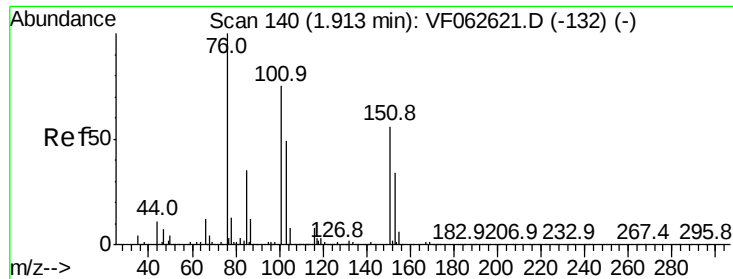


#8

Diethyl Ether
Concen: 149.021 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 74 Resp: 187
Ion Ratio Lower Upper
74 100
45 64.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.025 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

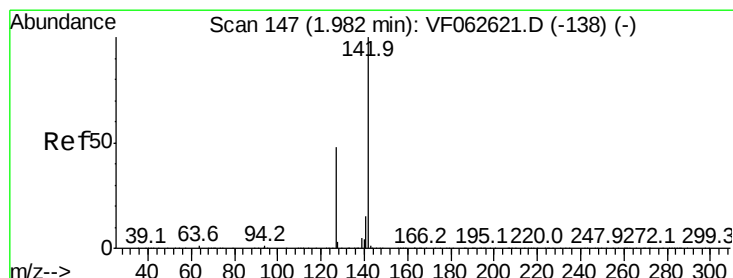
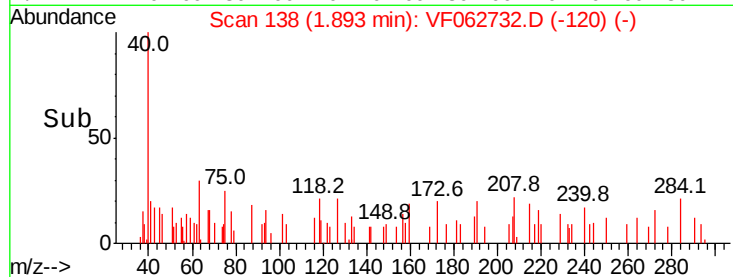
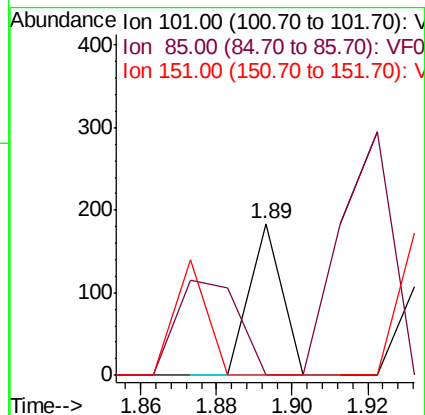
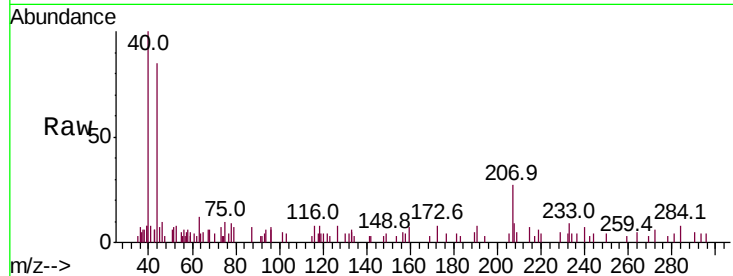
Instrument :

MSVOA_F

ClientSampleId :

RT-3422

Tot Ion:	101	Resp:	109
Ion	Ratio	Lower	Upper
101	100		
85	0.0	37.1	55.7#
151	0.0	58.8	88.2#



#10

Methyl Iodide

Concen: 54.271 ug/l

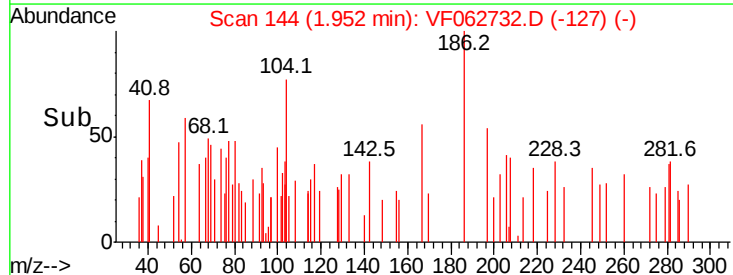
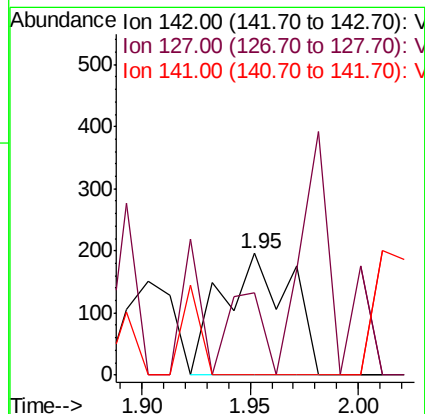
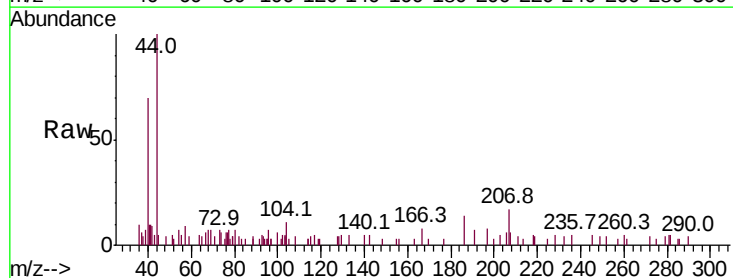
RT: 1.95 min Scan# 144

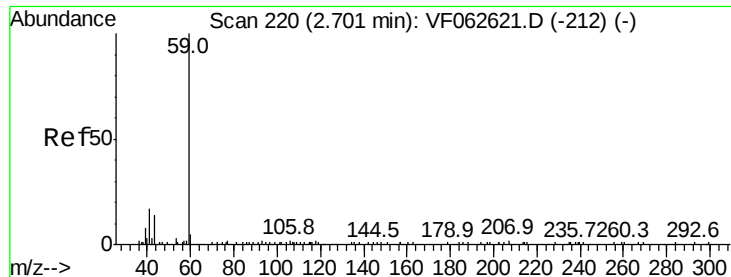
Delta R.T. -0.03 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Tgt Ion:	142	Resp:	430
Ion	Ratio	Lower	Upper
142	100		
127	67.3	38.1	57.1#
141	0.0	11.7	17.5#



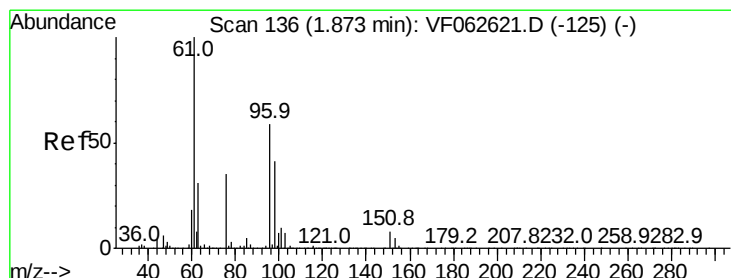
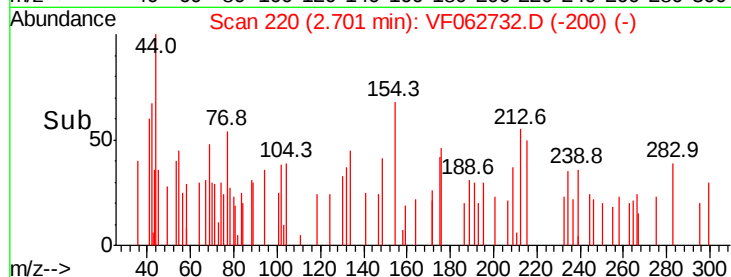
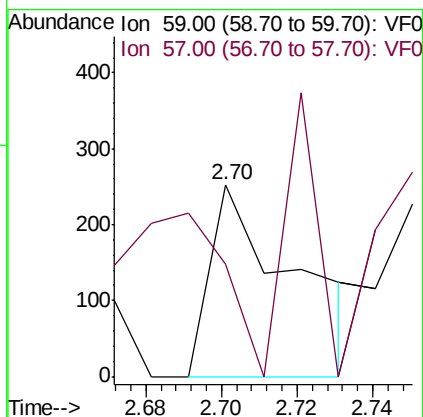
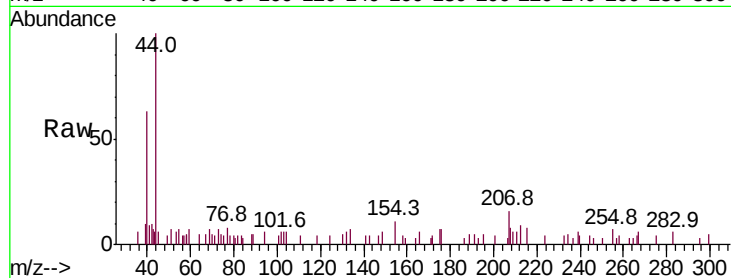


#11

Tert butyl alcohol
Concen: 2028.162 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Instrument :
MSVOA_F
ClientSampled :
RT-3422

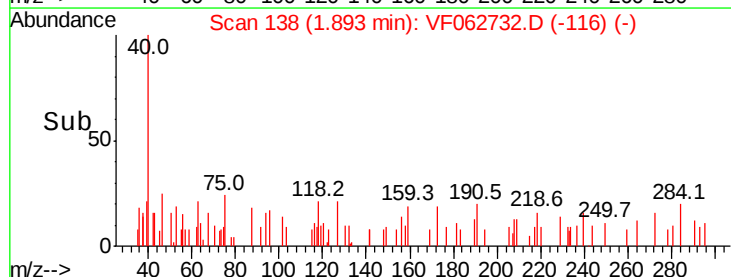
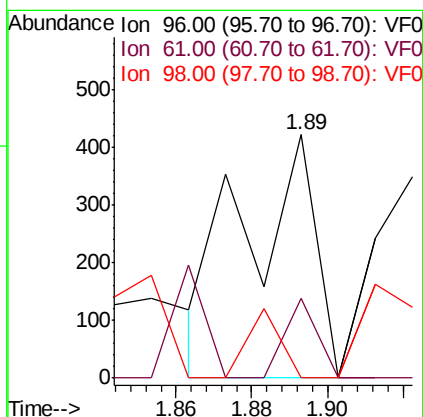
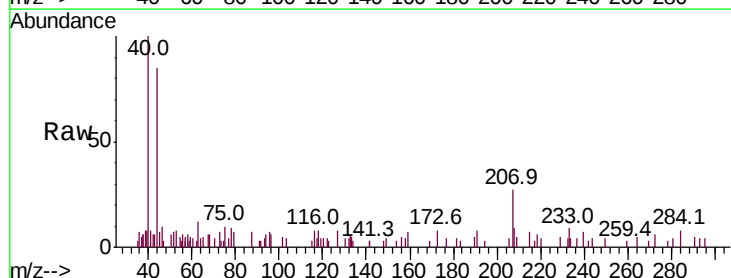
Tot Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 58.1 9.3 13.9#

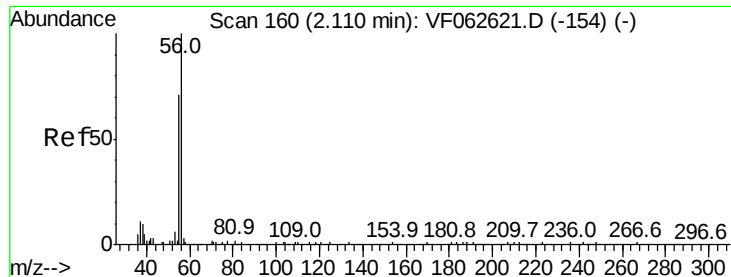


#12

1,1-Dichloroethene
Concen: 149.966 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.02 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 96 Resp: 551
Ion Ratio Lower Upper
96 100
61 32.5 134.3 201.5#
98 0.0 55.0 82.6#

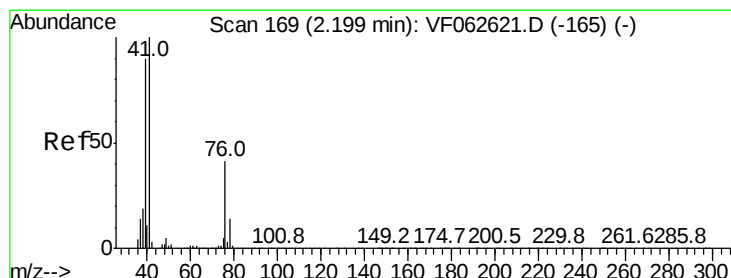
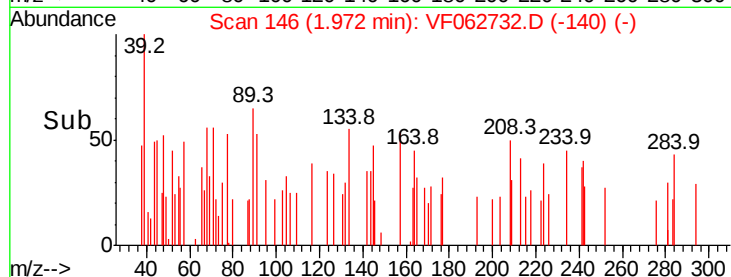
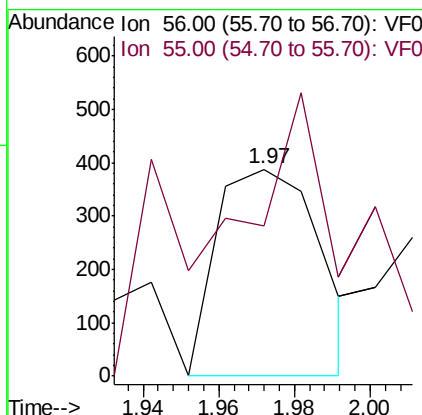
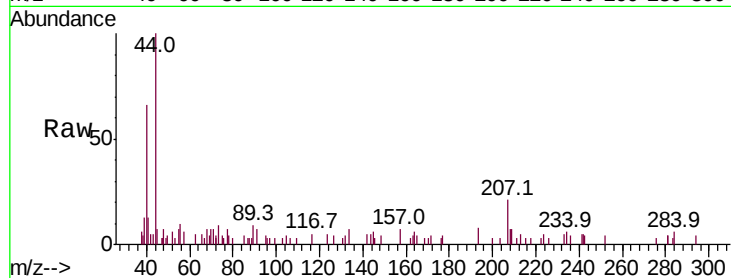




#13
Acrolein
Concen: 3675.036 ug/l
RT: 1.97 min Scan# 146
Delta R.T. -0.14 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

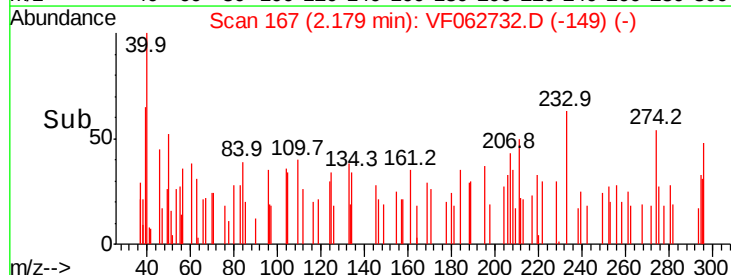
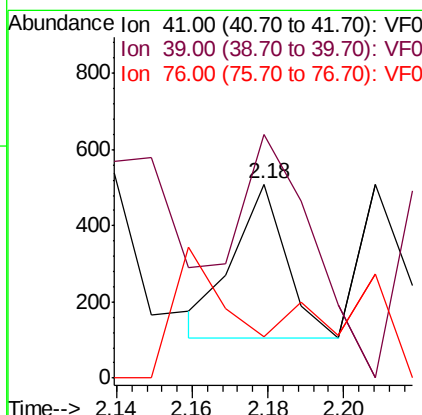
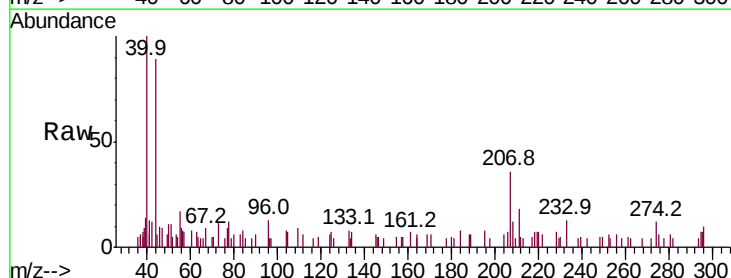
Instrument :
MSVOA_F
ClientSampled :
RT-3422

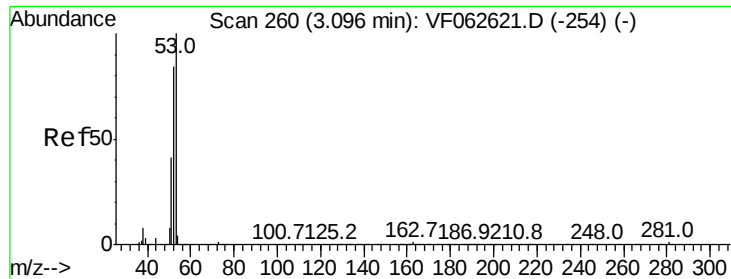
Tot Ion: 56 Resp: 732
Ion Ratio Lower Upper
56 100
55 72.4 59.4 89.0



#14
Allyl chloride
Concen: 115.177 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.02 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 41 Resp: 383
Ion Ratio Lower Upper
41 100
39 125.3 72.0 108.0#
76 21.2 34.8 52.2#





#15

Acrylonitrile

Concen: 683.697 ug/l

RT: 3.21 min Scan# 272

Delta R.T. 0.12 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleID :

RT-3422

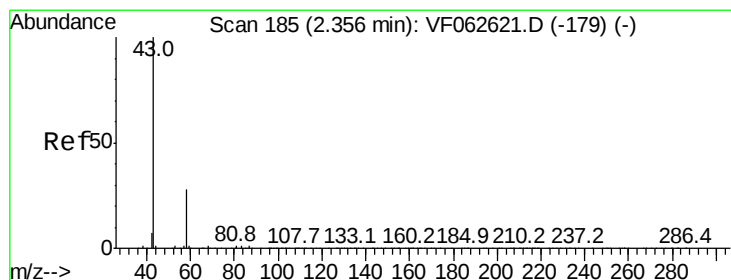
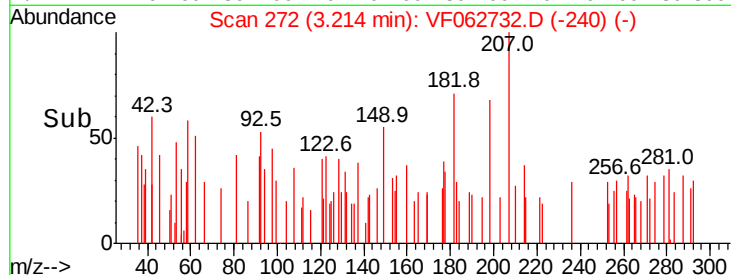
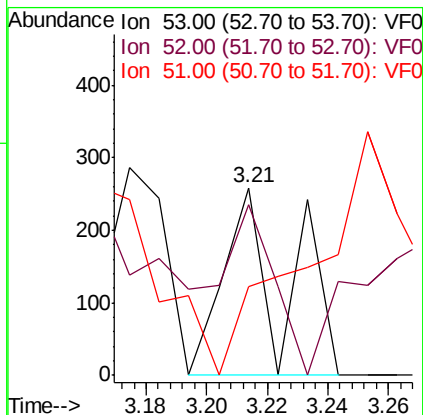
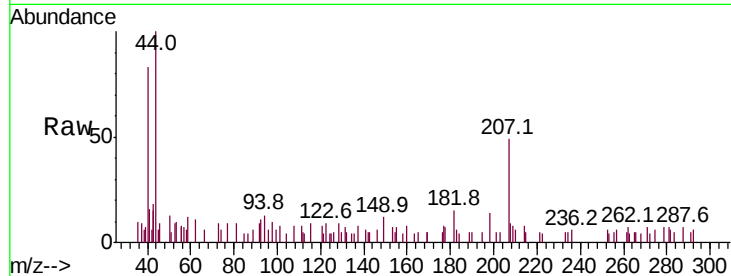
Tot Ion: 53 Resp: 368

Ion Ratio Lower Upper

53 100

52 91.1 67.3 100.9

51 47.5 33.0 49.6



#16

Acetone

Concen: 906.897 ug/l

RT: 2.31 min Scan# 180

Delta R.T. -0.05 min

Lab File: VF062732.D

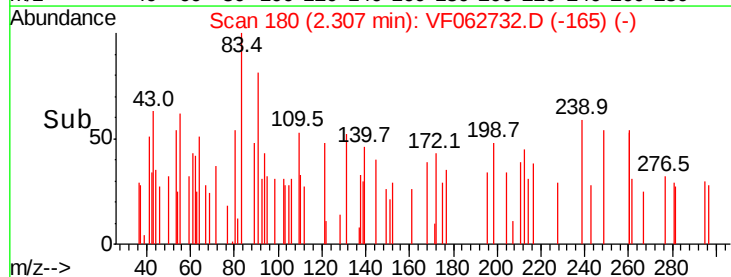
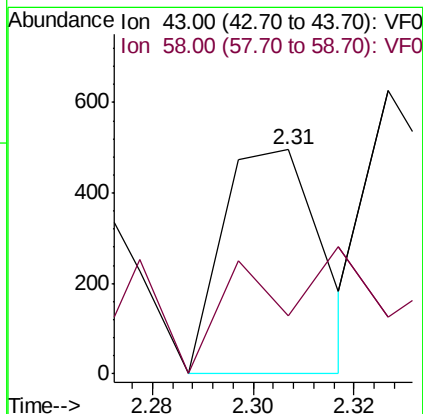
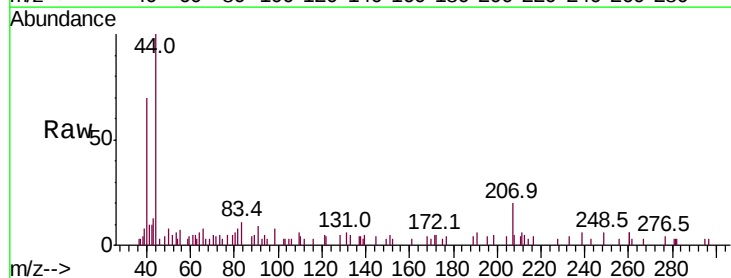
Acq: 23 May 2019 17:42

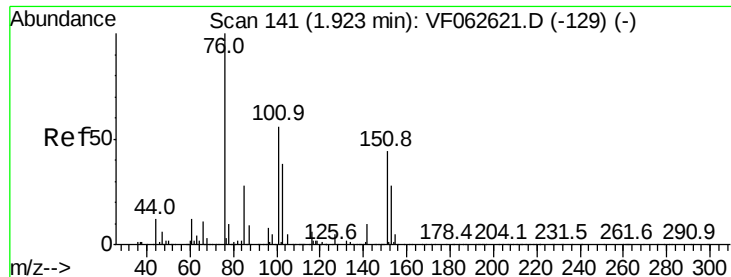
Tgt Ion: 43 Resp: 680

Ion Ratio Lower Upper

43 100

58 26.0 22.6 33.8

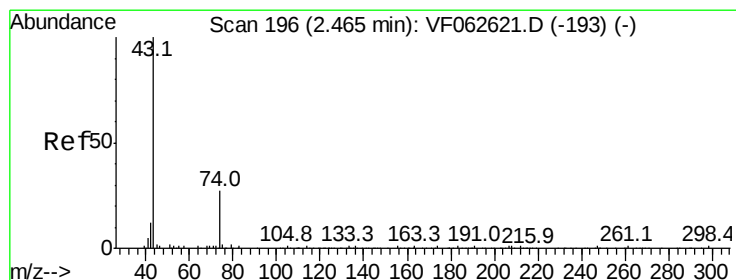
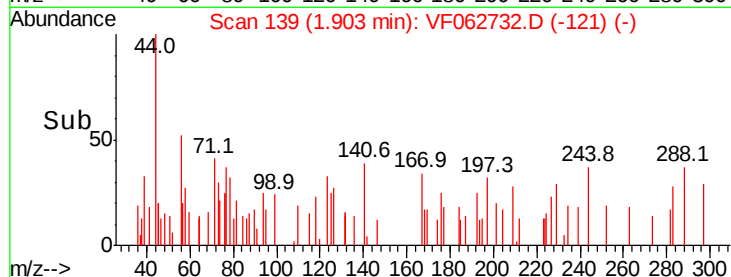
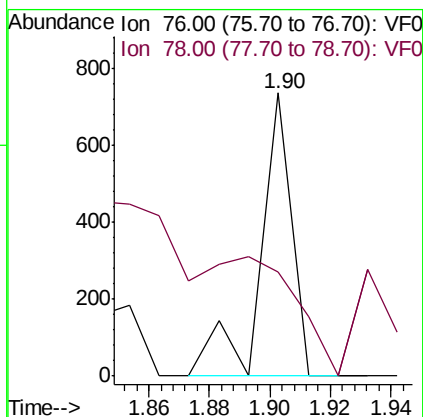
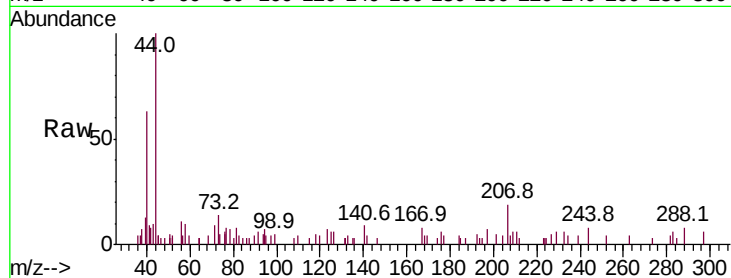




#17
Carbon Disulfide
Concen: 47.750 ug/l
RT: 1.90 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

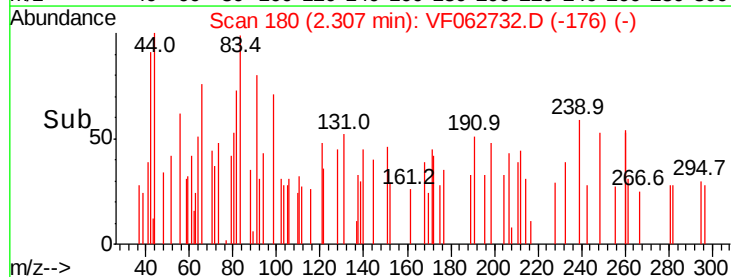
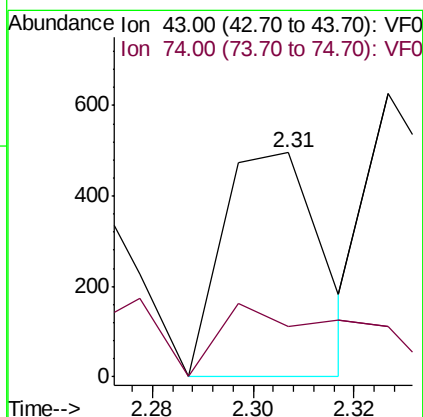
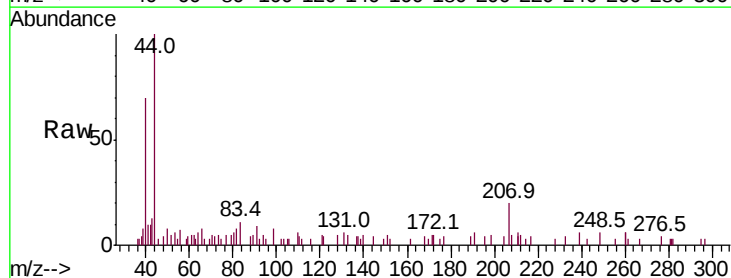
Instrument :
MSVOA_F
ClientSampleId :
RT-3422

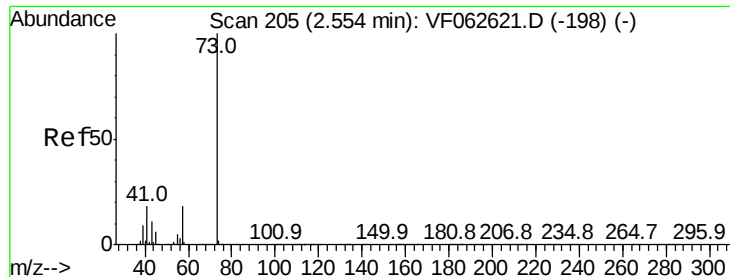
Tot Ion: 76 Resp: 520
Ion Ratio Lower Upper
76 100
78 36.8 8.4 12.6#



#18
Methyl Acetate
Concen: 577.114 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.16 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3



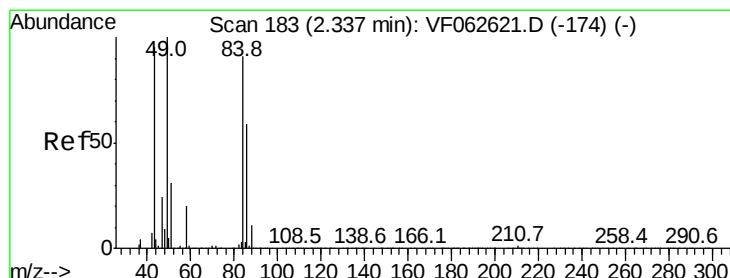
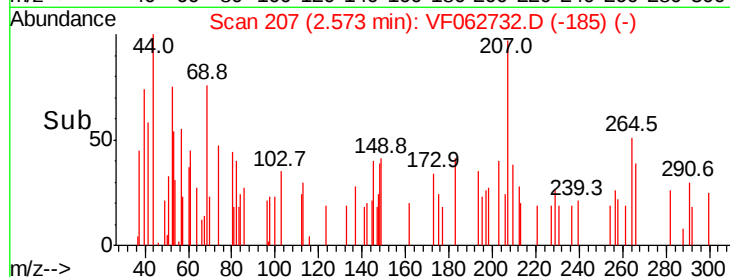
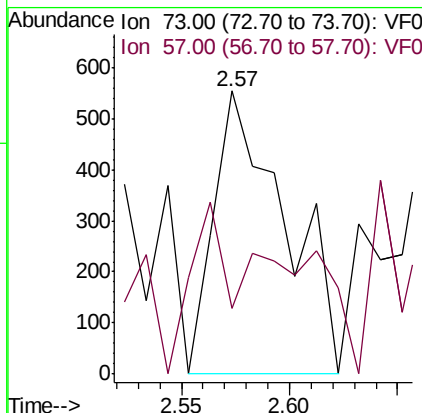
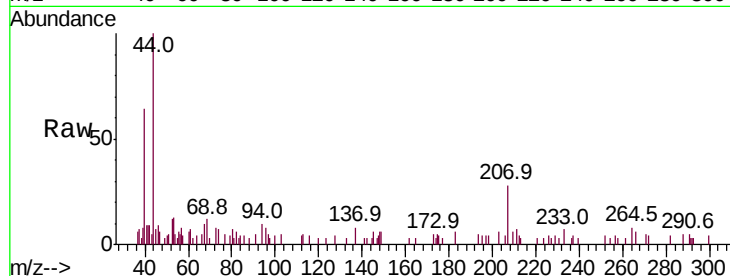


#19

Methyl tert-butyl Ether
 Concen: 193.967 ug/l
 RT: 2.57 min Scan# 207
 Delta R.T. 0.02 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Instrument :
 MSVOA_F
 ClientSampled :
 RT-3422

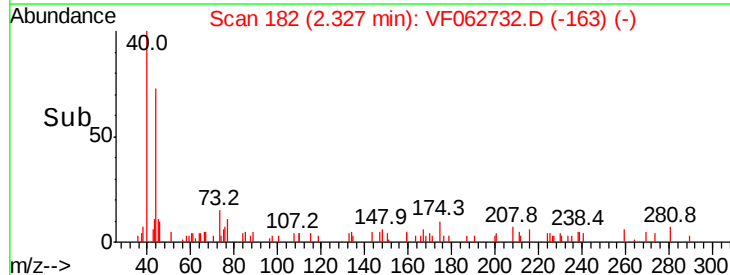
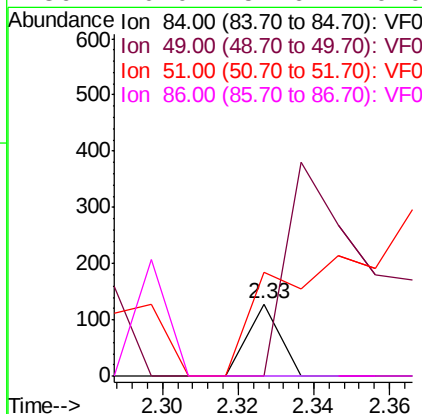
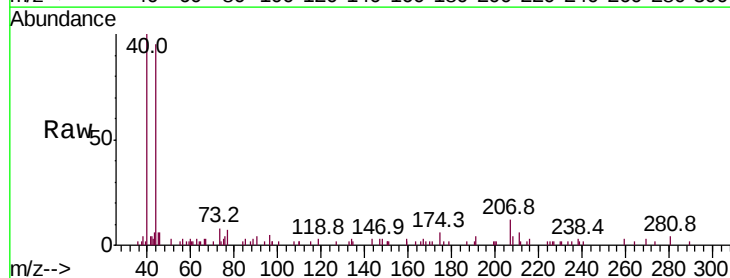
Tot Ion: 73 Resp: 1274
 Ion Ratio Lower Upper
 73 100
 57 23.3 14.2 21.4#

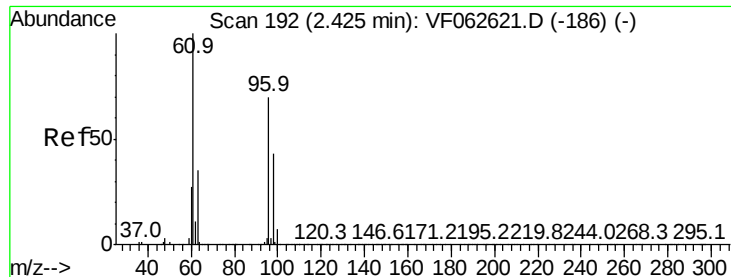


#20

Methylene Chloride
 Concen: 20.221 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Tgt Ion: 84 Resp: 76
 Ion Ratio Lower Upper
 84 100
 49 0.0 89.8 134.8#
 51 143.4 28.4 42.6#
 86 0.0 52.6 79.0#





#21

trans-1,2-Dichloroethene

Concen: 288.483 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

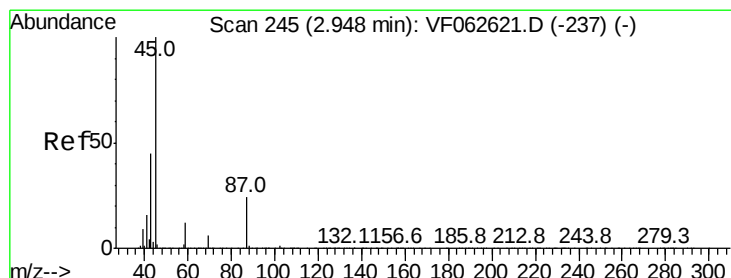
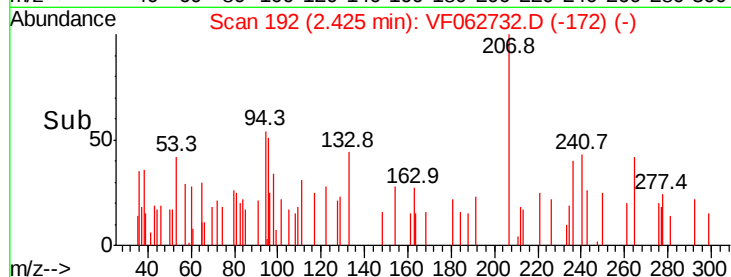
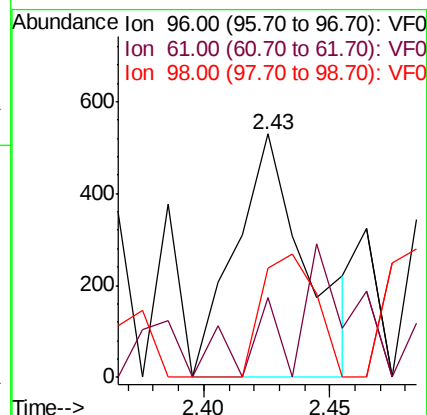
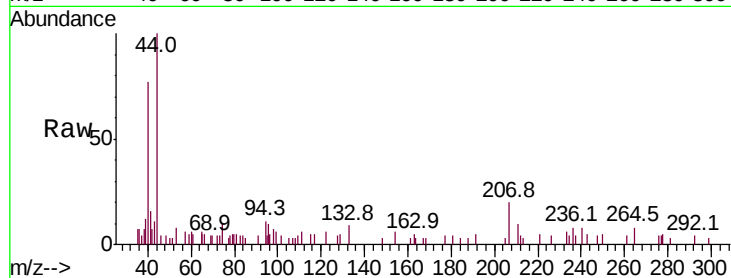
Tot Ion: 96 Resp: 1036

Ion Ratio Lower Upper

96 100

61 32.8 114.6 171.8#

98 45.1 49.5 74.3#



#22

Diisopropyl ether

Concen: 131.683 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Tgt Ion: 45 Resp: 1080

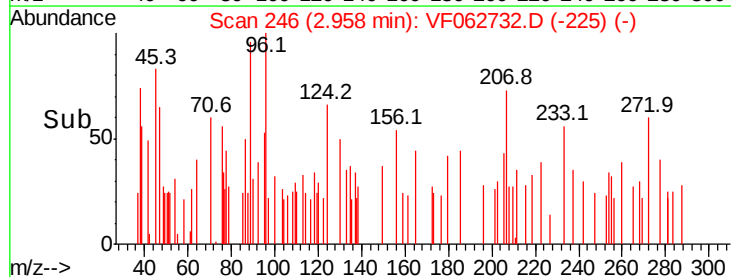
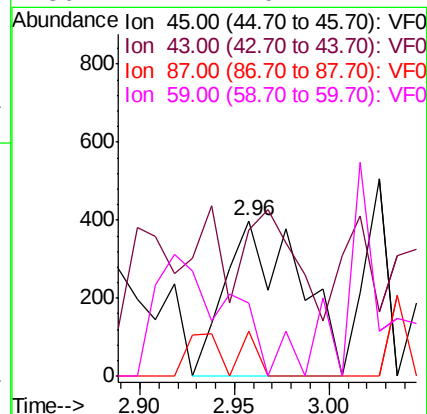
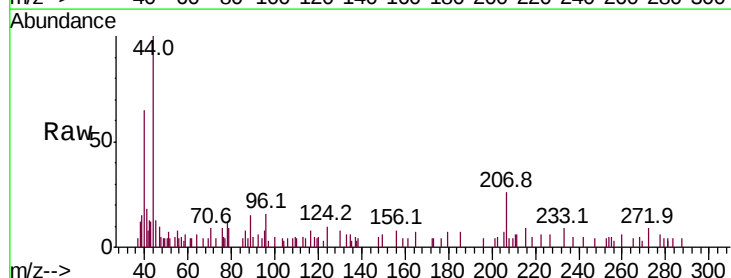
Ion Ratio Lower Upper

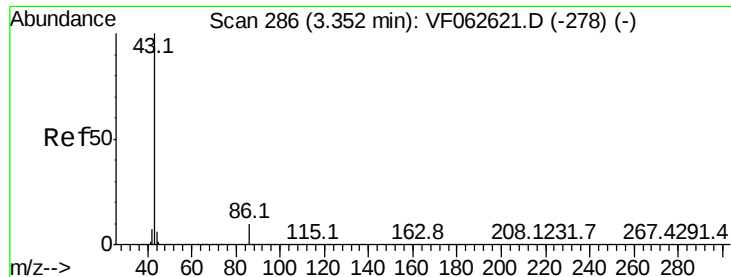
45 100

43 94.0 36.4 54.6#

87 29.1 19.3 28.9#

59 47.1 9.4 14.2#





#23

Vinyl Acetate

Concen: 140.442 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

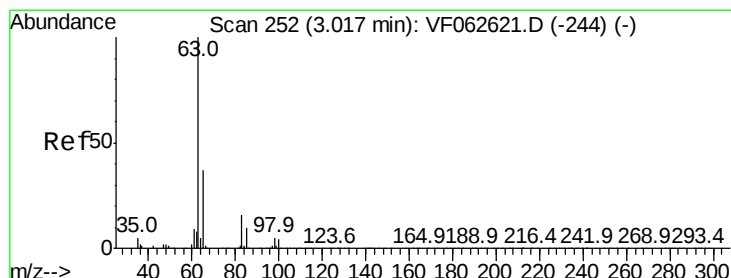
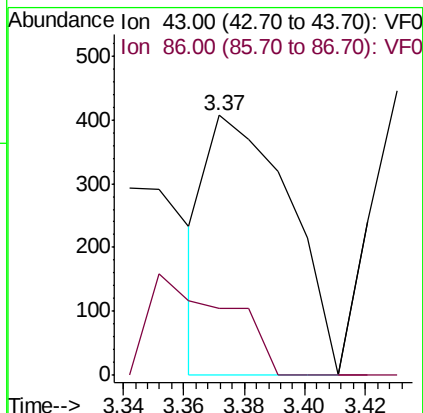
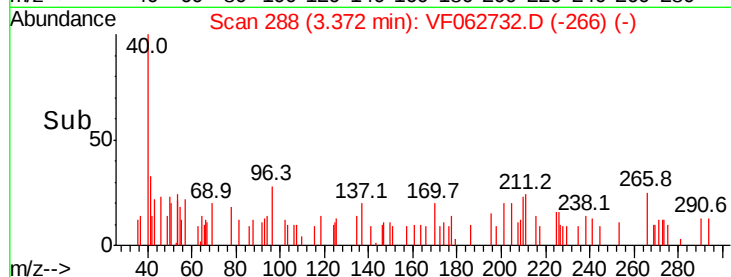
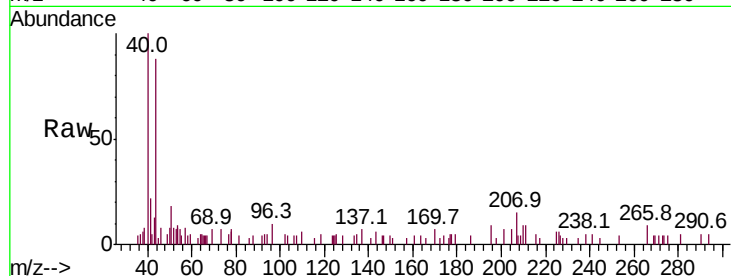
RT-3422

Tot Ion: 43 Resp: 777

Ion Ratio Lower Upper

43 100

86 25.5 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 112.522 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

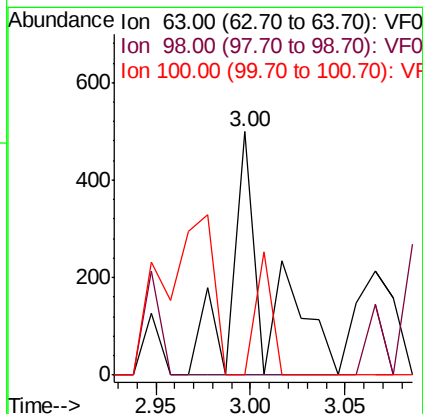
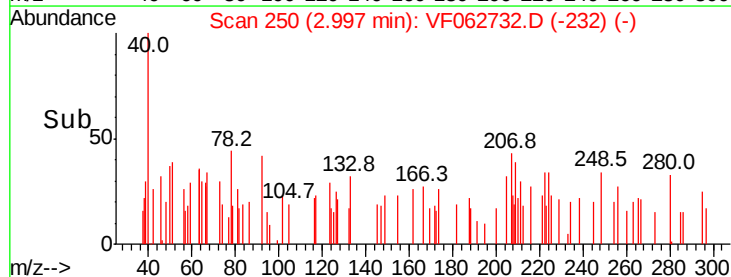
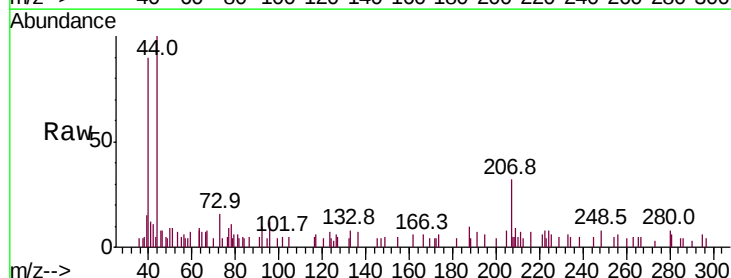
Tgt Ion: 63 Resp: 677

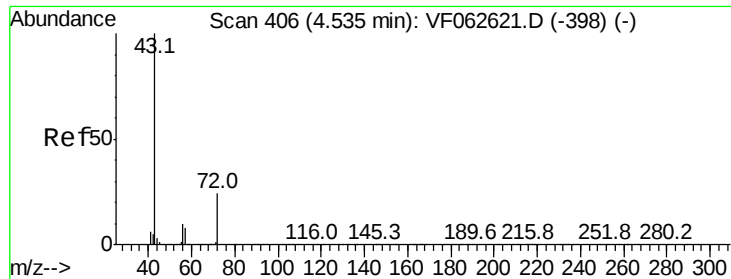
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 589.276 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

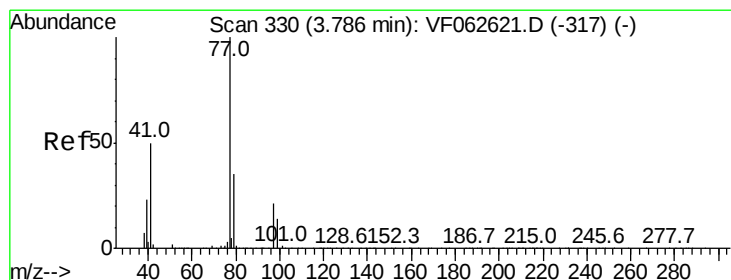
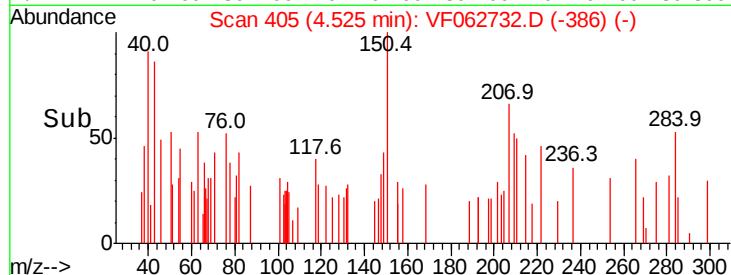
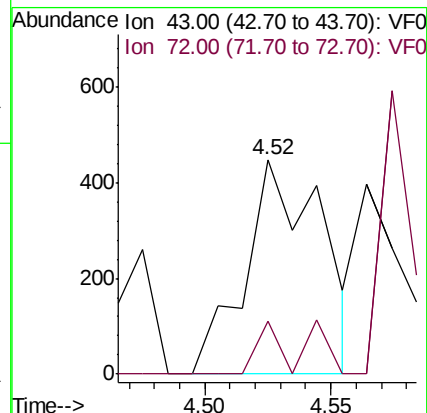
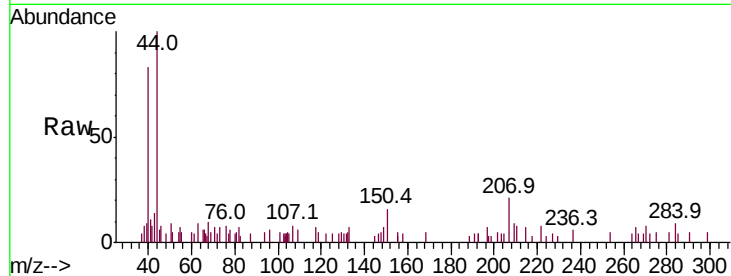
Instrument :
MSVOA_F
ClientSampled :
RT-3422

Tot Ion: 43 Resp: 944

Ion Ratio Lower Upper

43 100

72 24.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 161.220 ug/l

RT: 3.81 min Scan# 332

Delta R.T. 0.02 min

Lab File: VF062732.D

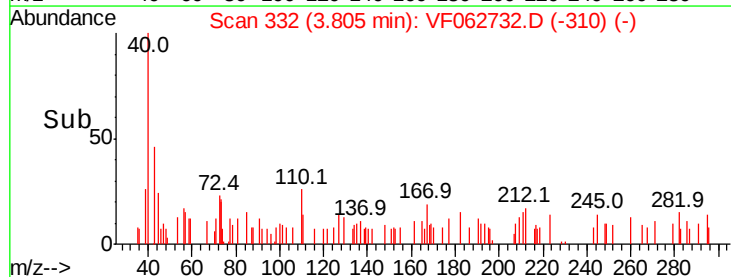
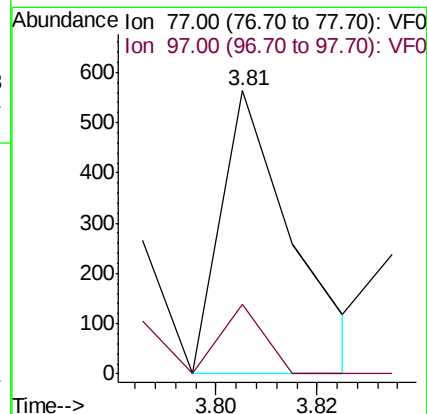
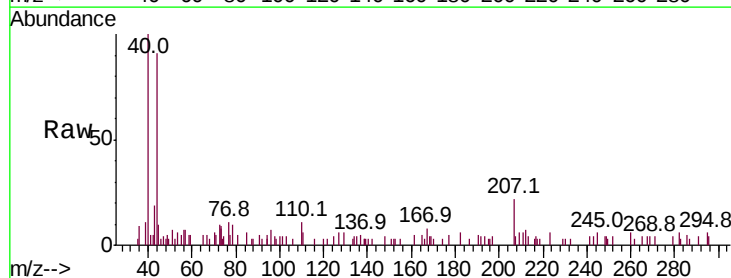
Acq: 23 May 2019 17:42

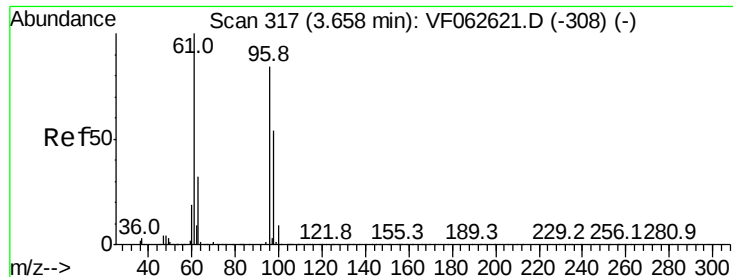
Tgt Ion: 77 Resp: 555

Ion Ratio Lower Upper

77 100

97 24.7 14.1 42.4



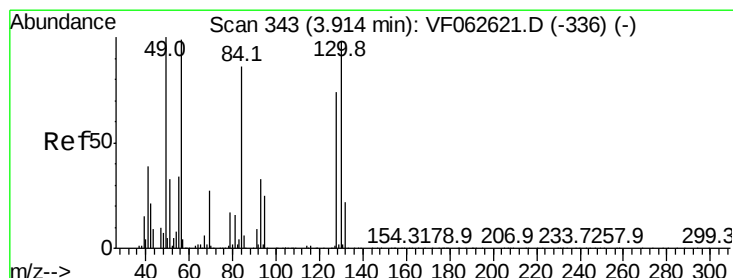
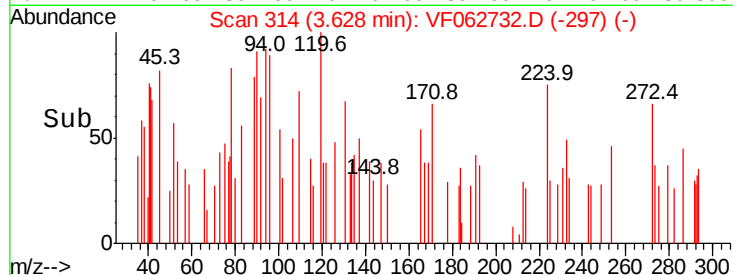
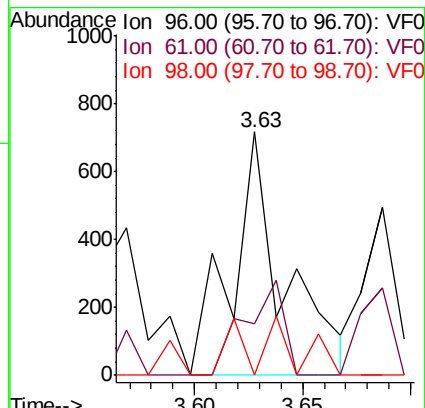
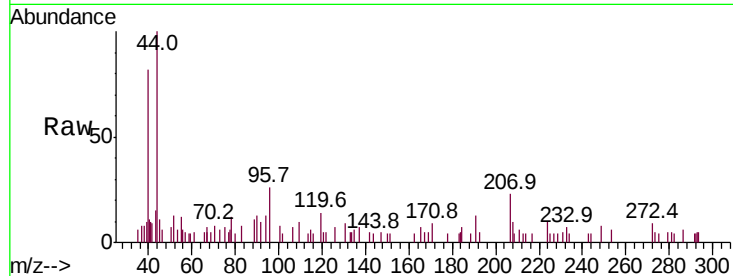


#27

cis-1,2-Dichloroethene
 Concen: 202.974 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.03 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3422

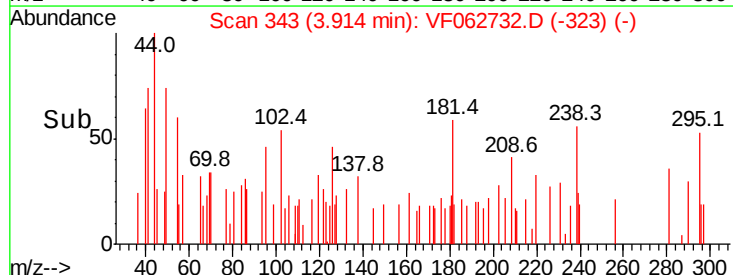
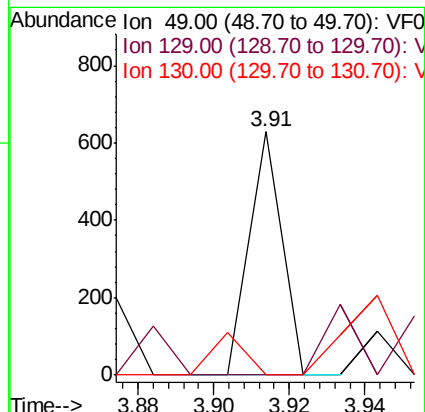
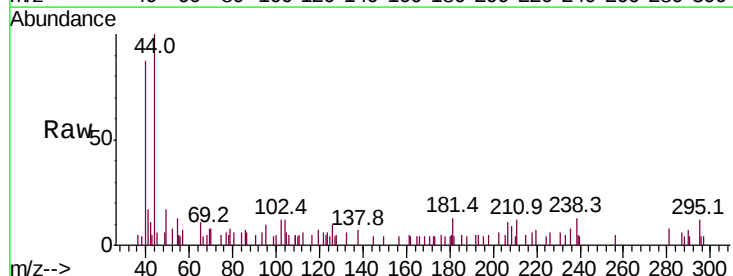
Tot Ion:	96	Resp:	1199
Ion	Ratio	Lower	Upper
96	100		
61	21.1	0.0	237.4
98	0.0	0.0	129.0

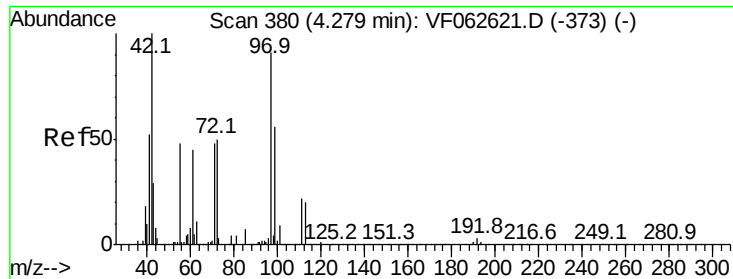


#28

Bromochloromethane
 Concen: 110.242 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Tgt Ion:	49	Resp:	372
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	77.8	116.8#

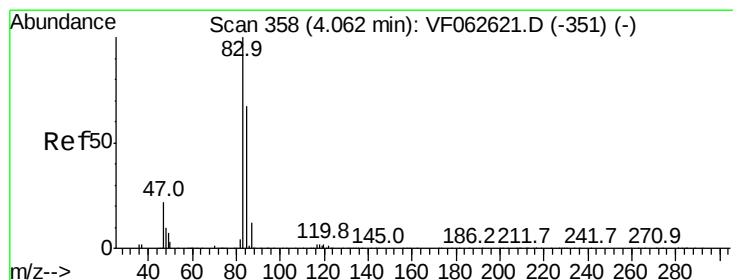
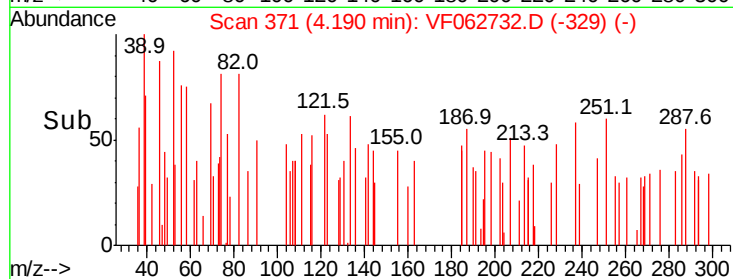
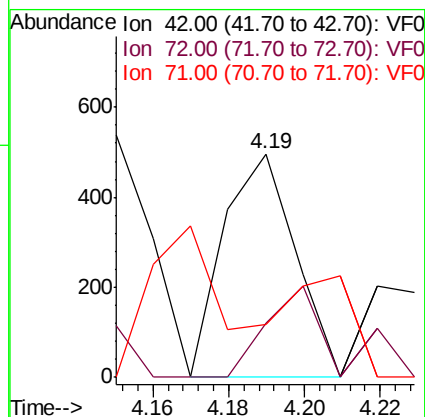
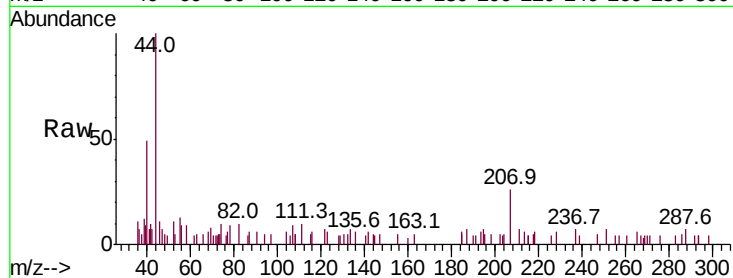




#29
Tetrahydrofuran
Concen: 1001.142 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.09 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

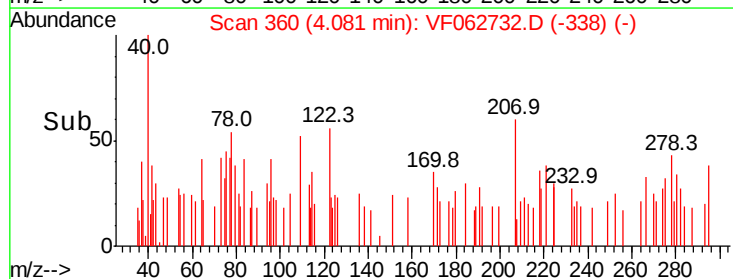
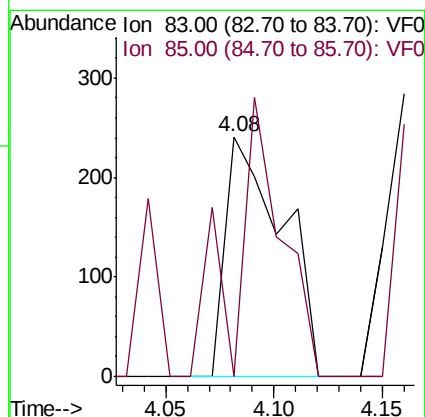
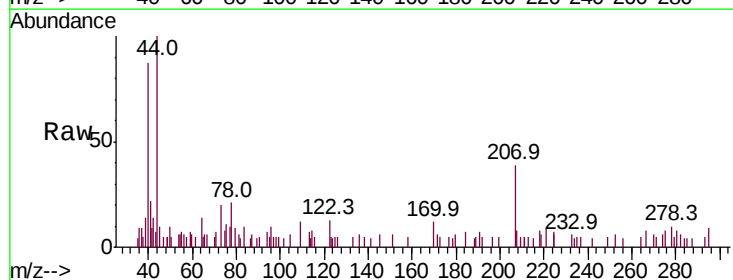
Instrument :
MSVOA_F
ClientSampleID :
RT-3422

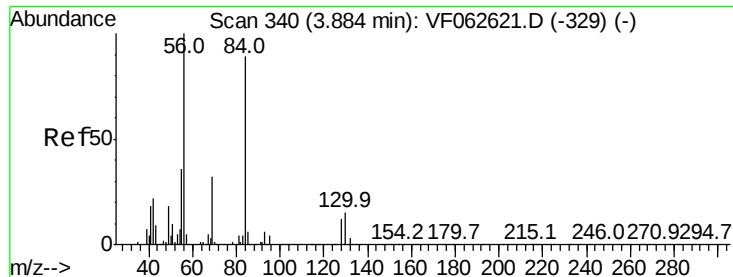
Tot Ion: 42 Resp: 649
Ion Ratio Lower Upper
42 100
72 39.4 38.2 57.2
71 39.1 35.8 53.6



#30
Chloroform
Concen: 53.271 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.02 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 83 Resp: 445
Ion Ratio Lower Upper
83 100
85 0.0 53.6 80.4#

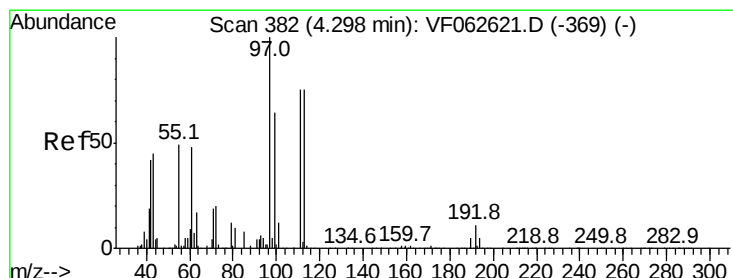
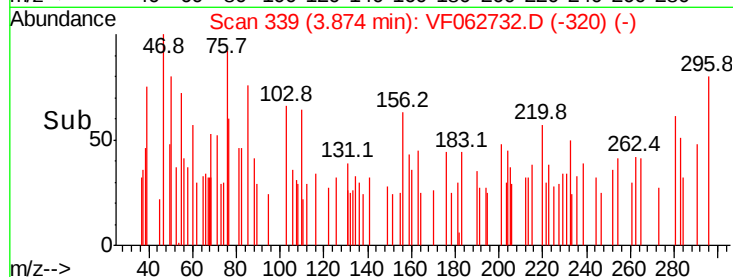
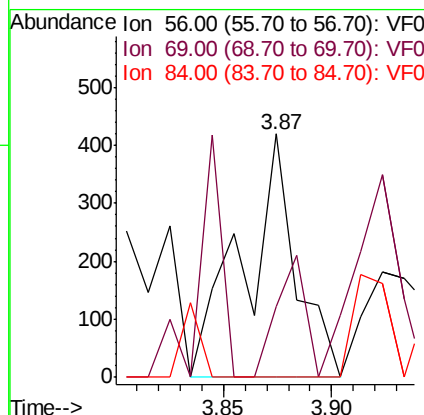
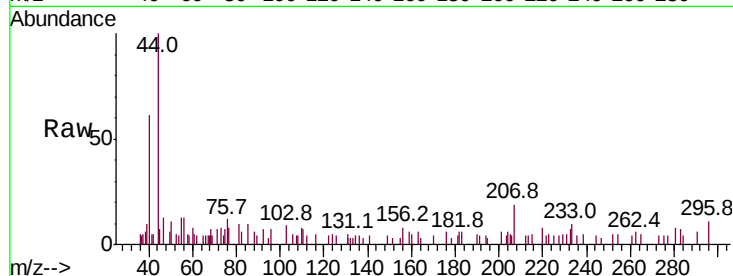




#31
Cvclohexane
Concen: 86.773 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

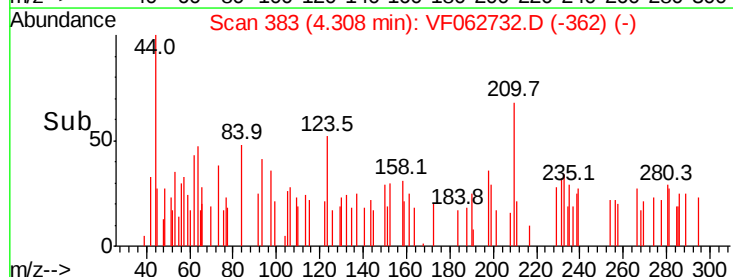
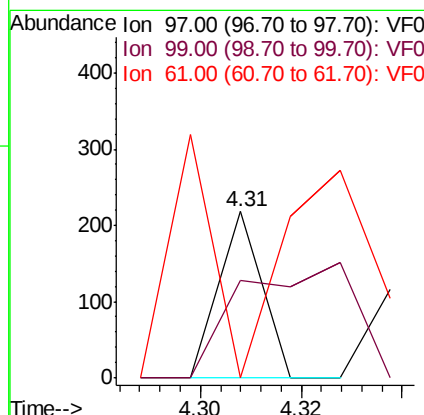
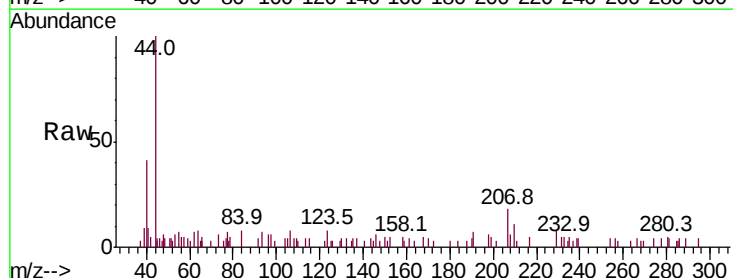
Instrument :
MSVOA_F
ClientSampleId :
RT-3422

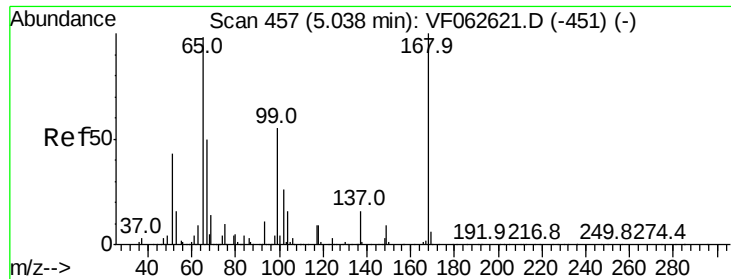
Tot Ion: 56 Resp: 701
Ion Ratio Lower Upper
56 100
69 29.0 25.3 37.9
84 0.0 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 23.253 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 97 Resp: 129
Ion Ratio Lower Upper
97 100
99 58.3 51.3 76.9
61 0.0 38.2 57.2#

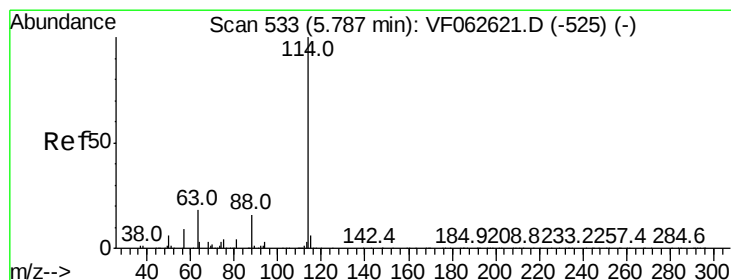
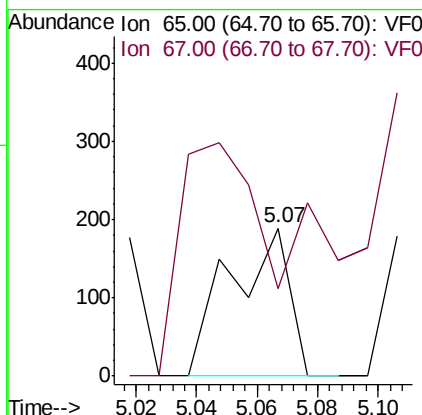
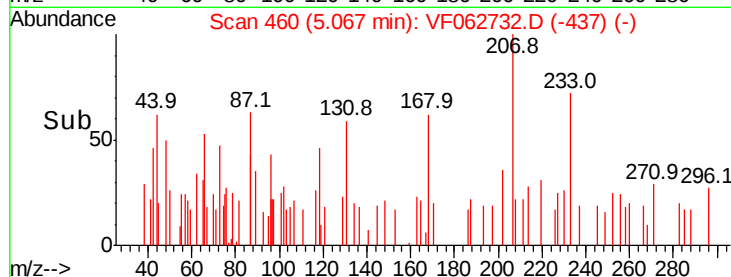
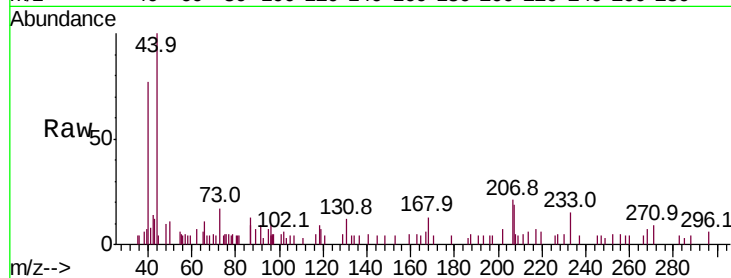




#33
 1,2-Dichloroethane-d4
 Concen: 89.613 ug/l
 RT: 5.07 min Scan# 460
 Delta R.T. 0.03 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

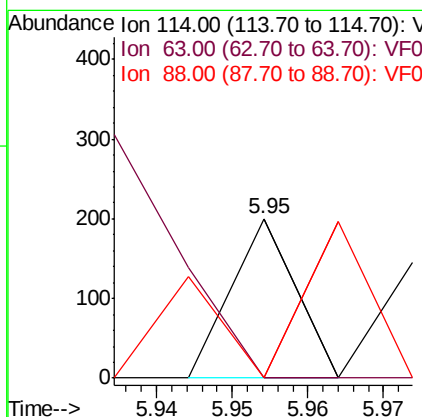
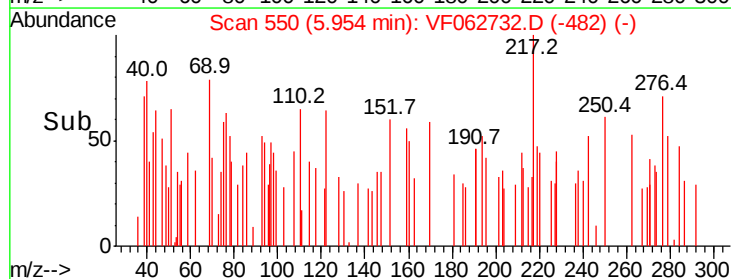
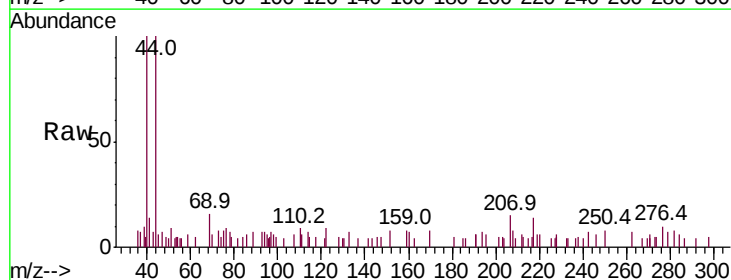
Instrument :
 MSVOA_F
 ClientSampleID :
 RT-3422

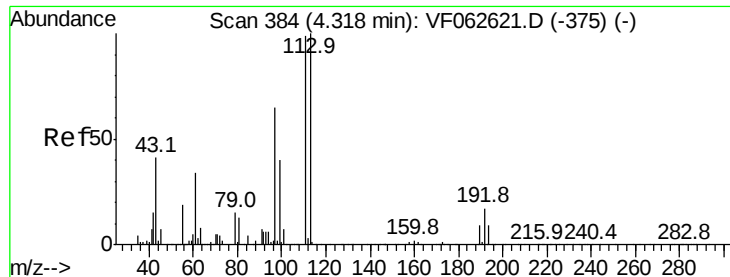
Tot Ion: 65 Resp: 259
 Ion Ratio Lower Upper
 65 100
 67 59.3 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.95 min Scan# 550
 Delta R.T. 0.17 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Tgt Ion: 114 Resp: 118
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 35.4
 88 0.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 263.583 ug/l

RT: 4.45 min Scan# 397

Delta R.T. 0.13 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

RT-3422

Tot Ion:113 Resp: 238

Ion Ratio Lower Upper

113 100

111 30.8 79.4 119.2#

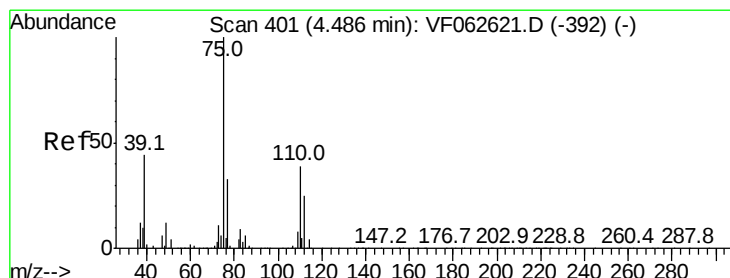
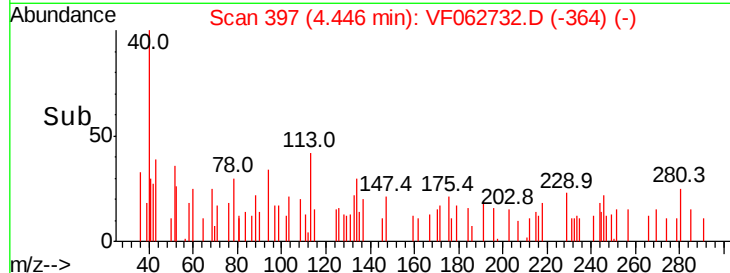
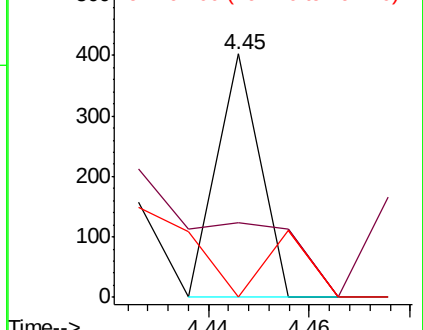
192 0.0 13.4 20.2#



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: 162.099 ug/l

RT: 4.59 min Scan# 412

Delta R.T. 0.11 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

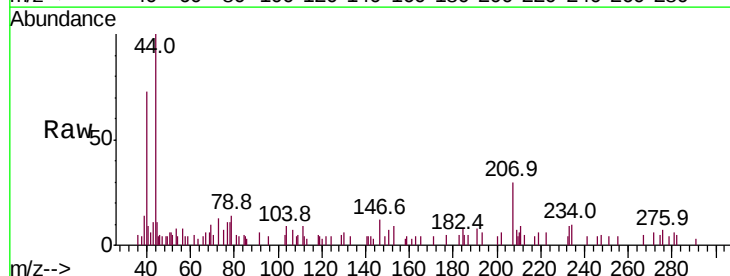
Tgt Ion: 75 Resp: 196

Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.1#

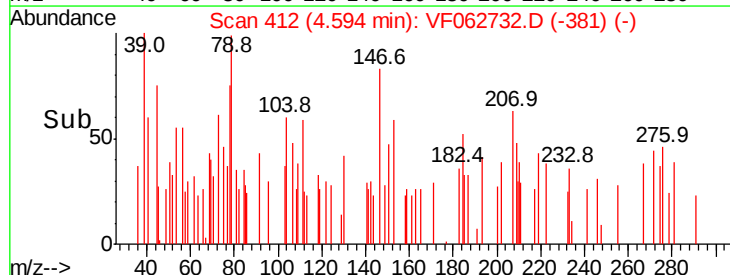
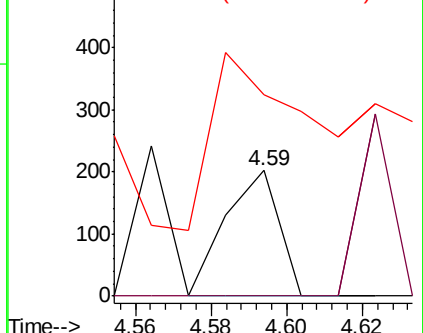
77 160.9 26.3 39.5#



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

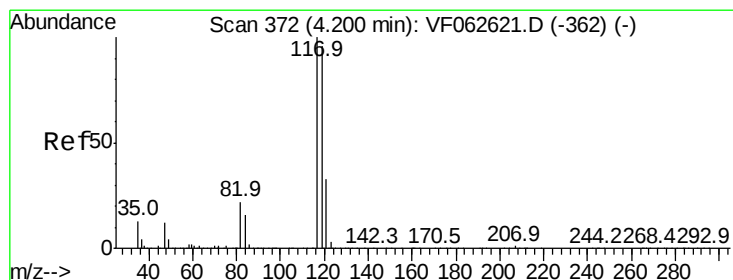
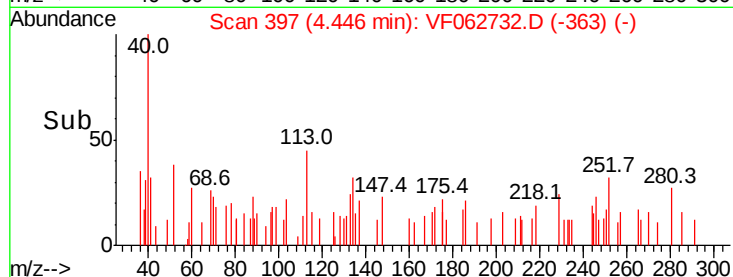
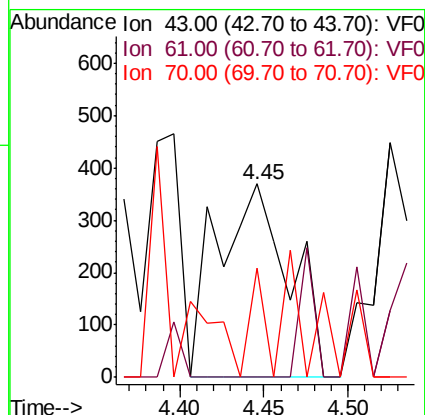
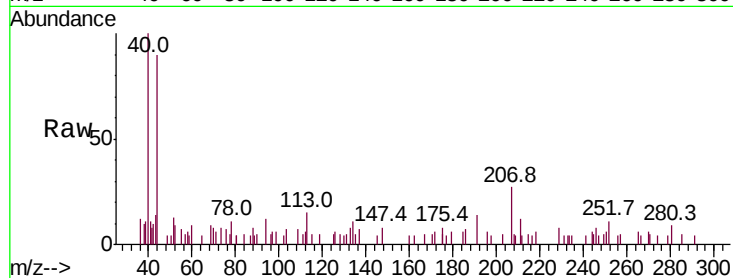




#37
 Ethyl Acetate
 Concen: 2232.161 ug/l
 RT: 4.45 min Scan# 397
 Delta R.T. 0.14 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

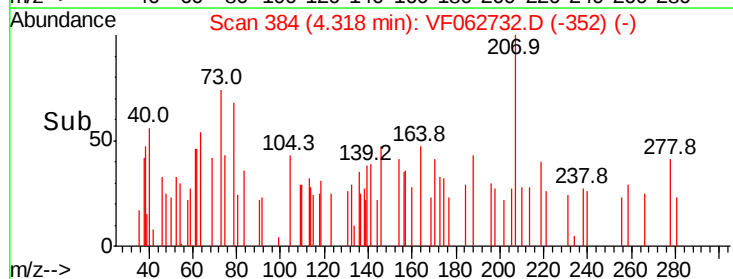
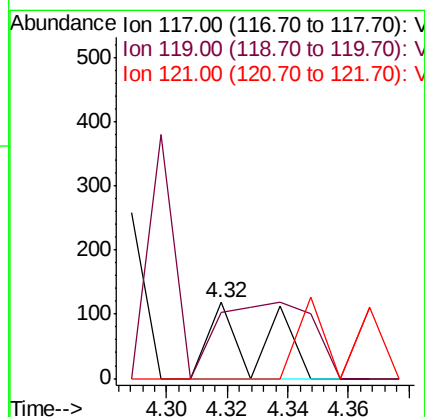
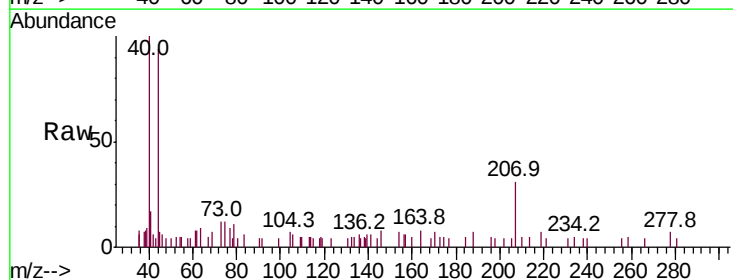
Instrument :
 MSVOA_F
 ClientSampled :
 RT-3422

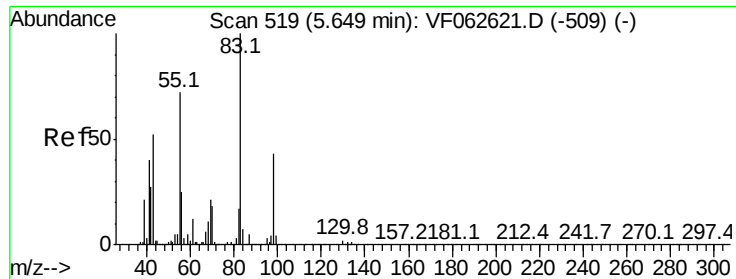
Tot Ion: 43 Resp: 1102
 Ion Ratio Lower Upper
 43 100
 61 0.0 76.9 115.3#
 70 101.1 8.8 13.2#



#38
 Carbon Tetrachloride
 Concen: 149.555 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.12 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Tgt Ion:117 Resp: 136
 Ion Ratio Lower Upper
 117 100
 119 87.3 76.7 115.1
 121 0.0 26.6 40.0#





#39

Methvlcvclohexane

Concen: 193.828 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.15 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

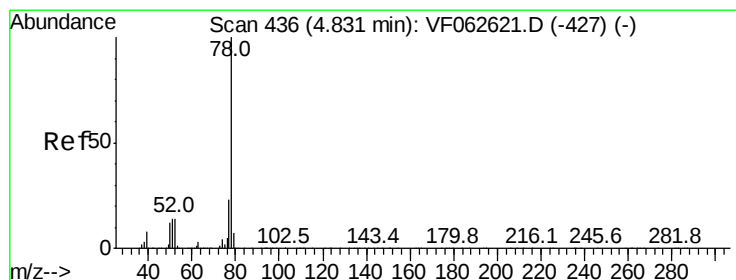
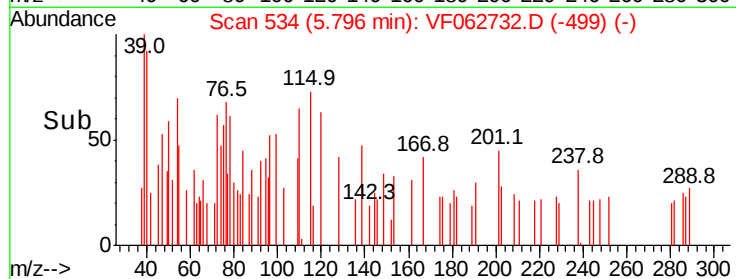
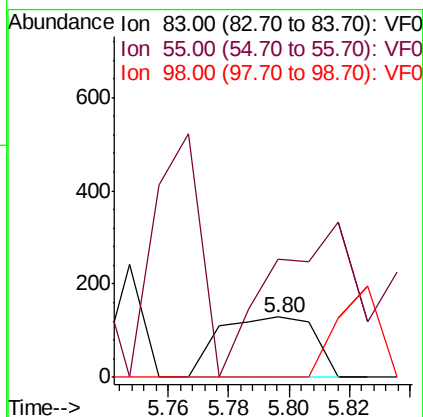
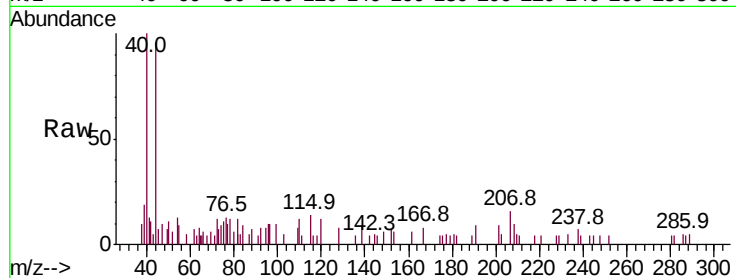
Tot Ion: 83 Resp: 282

Ion Ratio Lower Upper

83 100

55 195.3 57.9 86.9#

98 0.0 34.6 52.0#



#40

Benzene

Concen: 99.271 ug/l

RT: 4.99 min Scan# 452

Delta R.T. 0.16 min

Lab File: VF062732.D

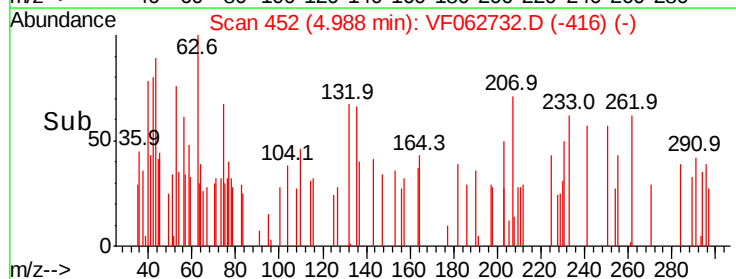
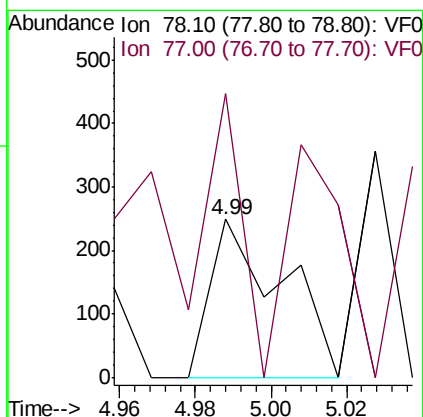
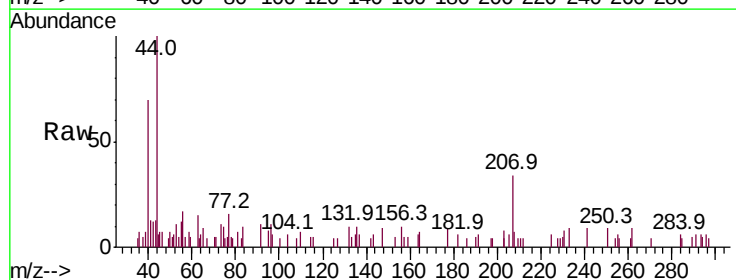
Acq: 23 May 2019 17:42

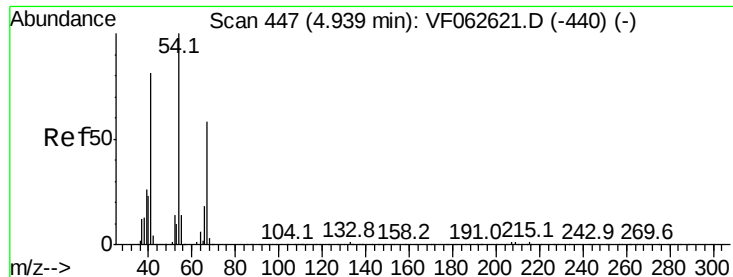
Tgt Ion: 78 Resp: 327

Ion Ratio Lower Upper

78 100

77 179.5 18.2 27.2#

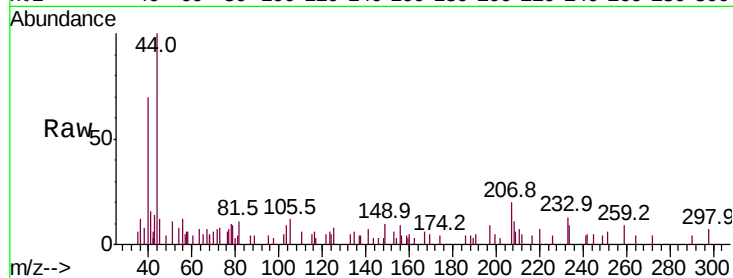




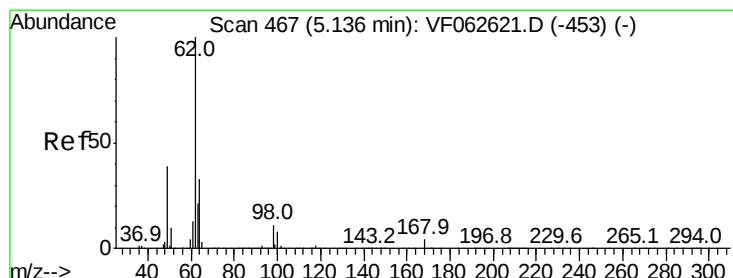
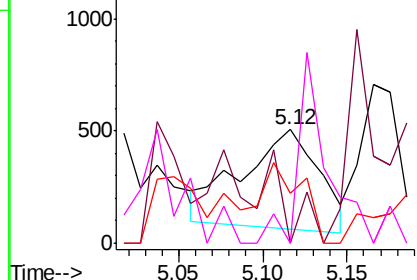
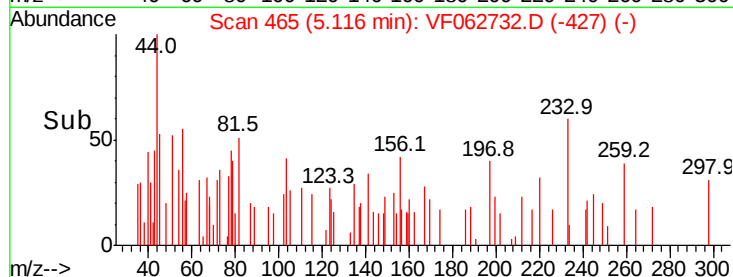
#41
Methacrylonitrile
Concen: 5412.840 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.18 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :
RT-3422

Tot Ion:	41	Resp:	1401
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.2	63.2#
67	43.5	56.4	84.6#
52	0.0	38.8	58.2#

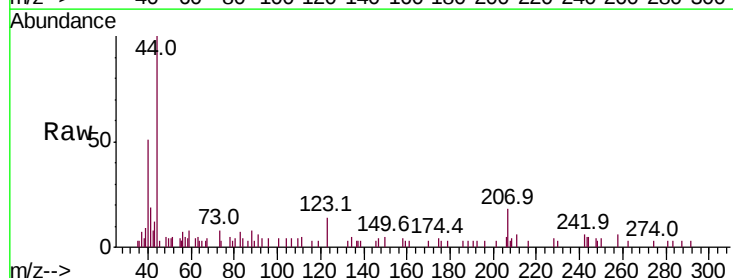


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

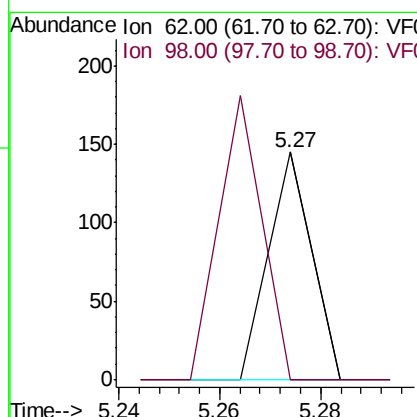
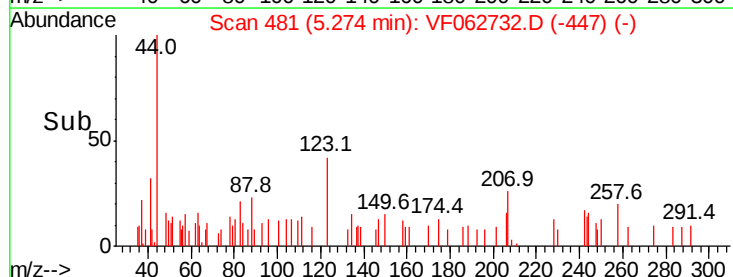


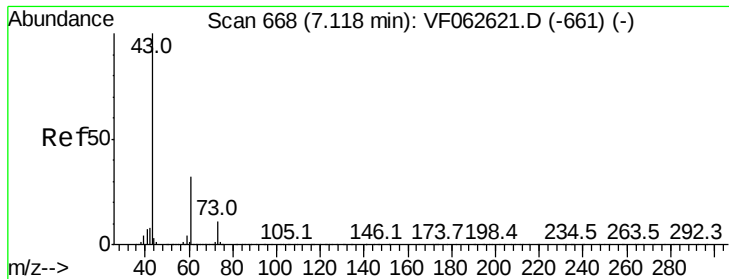
#42
1,2-Dichloroethane
Concen: 130.922 ug/l
RT: 5.27 min Scan# 481
Delta R.T. 0.14 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion:	62	Resp:	86
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	21.6



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



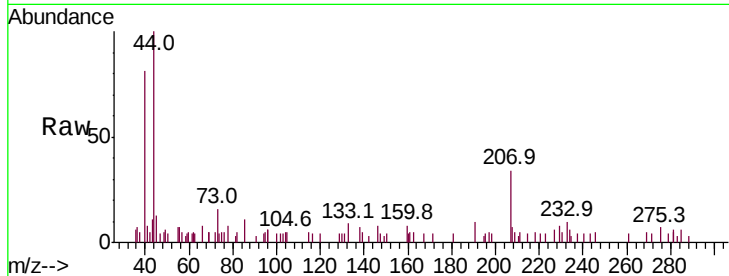


#43

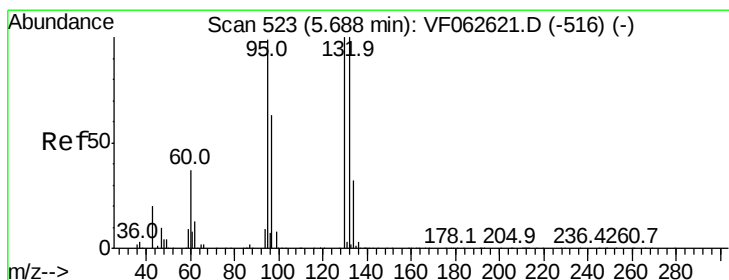
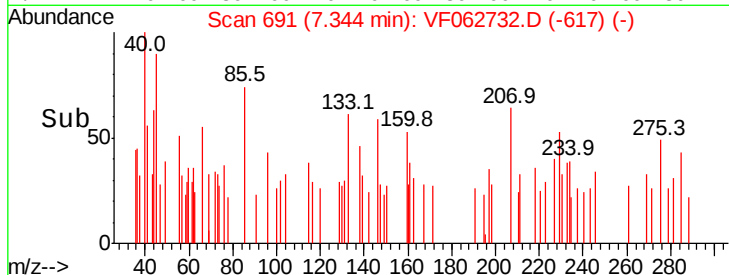
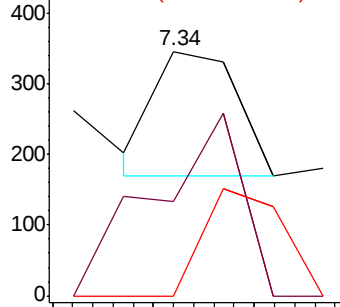
Isopropyl Acetate
 Concen: 312.697 ug/l
 RT: 7.34 min Scan# 691
 Delta R.T. 0.23 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Instrument :
 MSVOA_F
 ClientSampleID :
 RT-3422

Tot Ion: 43 Resp: 200
 Ion Ratio Lower Upper
 43 100
 61 38.7 25.8 38.8
 87 0.0 0.4 0.6#



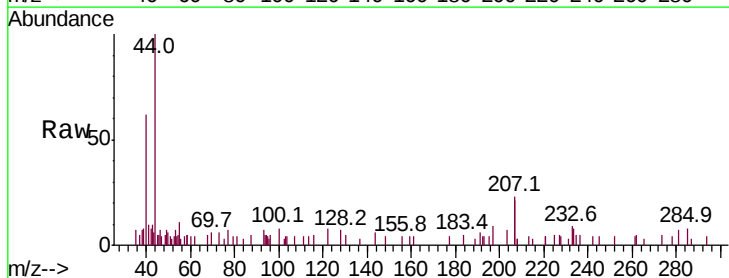
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



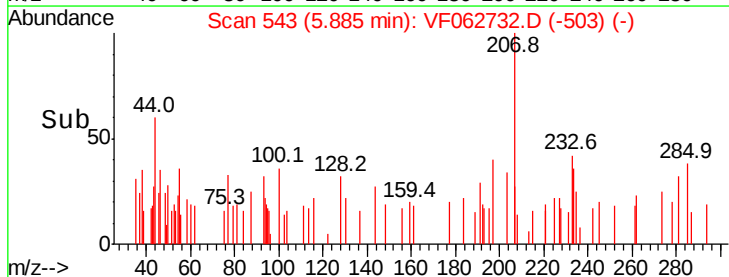
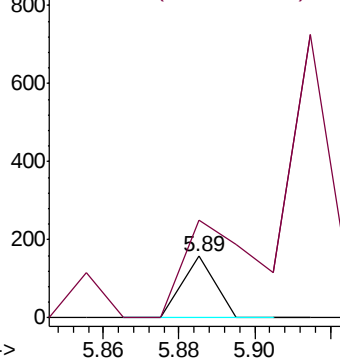
#44

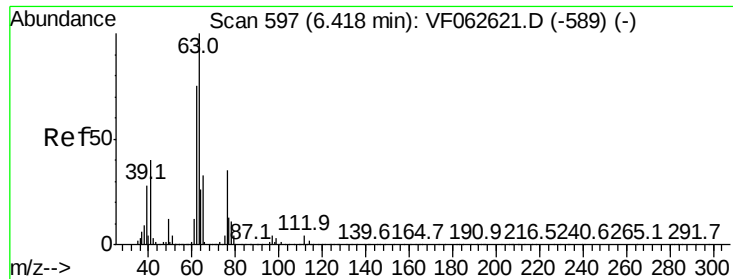
Trichloroethene
 Concen: 100.454 ug/l
 RT: 5.89 min Scan# 543
 Delta R.T. 0.20 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Tgt Ion:130 Resp: 93
 Ion Ratio Lower Upper
 130 100
 95 157.6 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 171.973 ug/l

RT: 6.62 min Scan# 618

Delta R.T. 0.21 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

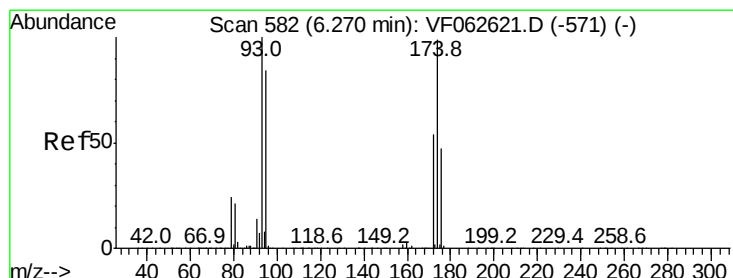
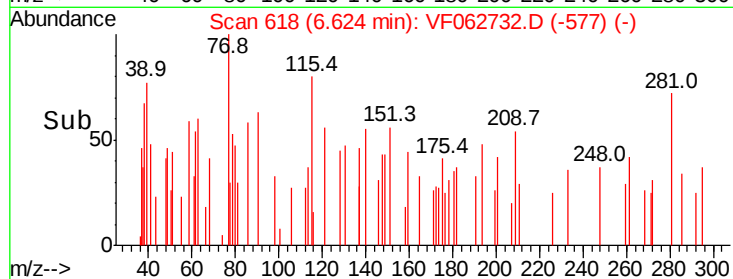
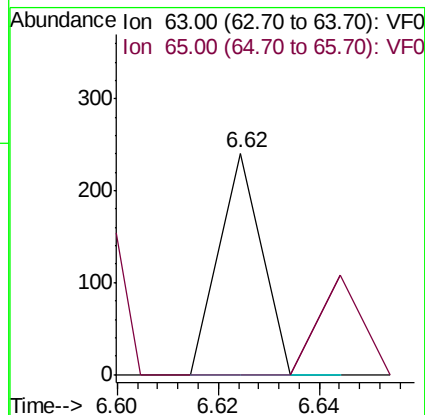
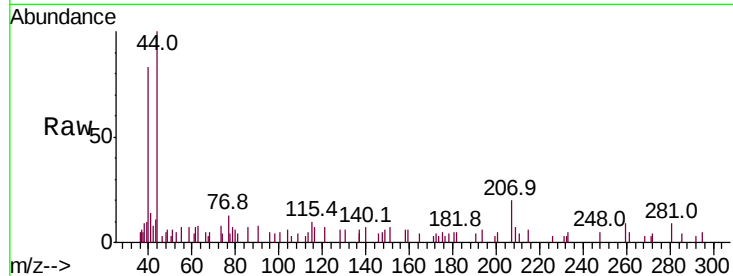
RT-3422

Tot Ion: 63 Resp: 143

Ion Ratio Lower Upper

63 100

65 0.0 26.3 39.5#



#46

Dibromomethane

Concen: 357.915 ug/l

RT: 6.44 min Scan# 599

Delta R.T. 0.17 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

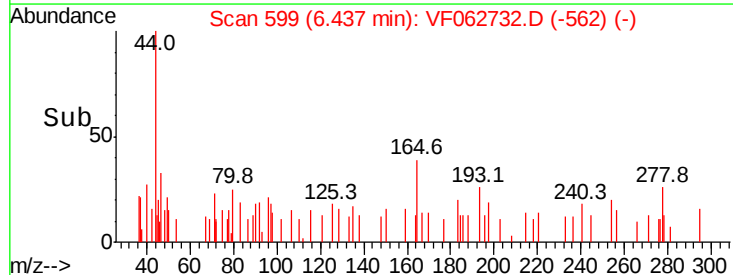
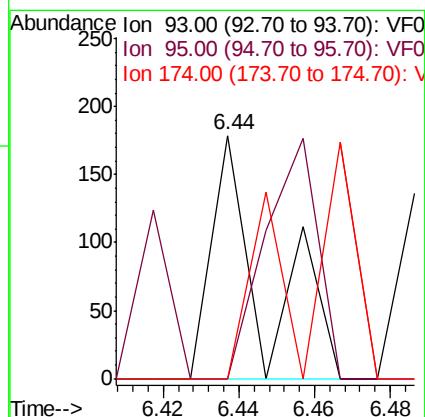
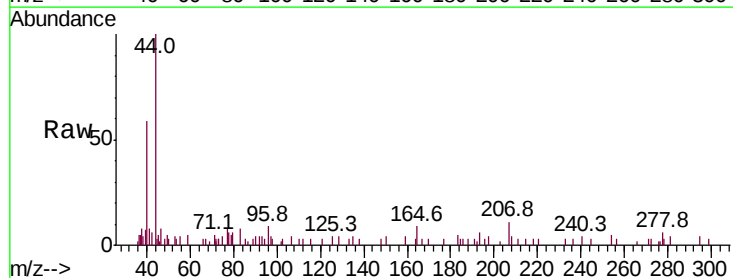
Tgt Ion: 93 Resp: 172

Ion Ratio Lower Upper

93 100

95 0.0 67.4 101.2#

174 0.0 79.4 119.2#





#47

Bromodichloromethane

Concen: 376.886 ug/l

RT: 6.73 min Scan# 629

Delta R.T. 0.17 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

RT-3422

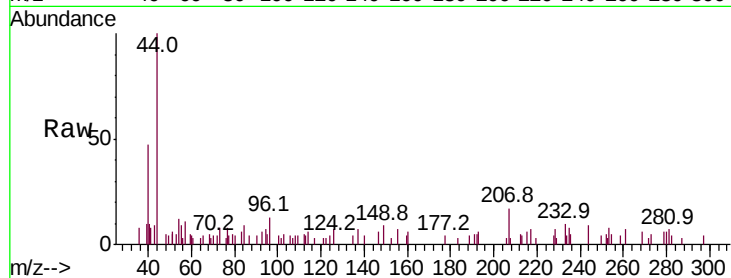
Tot Ion: 83 Resp: 376

Ion Ratio Lower Upper

83 100

85 0.0 52.0 78.0#

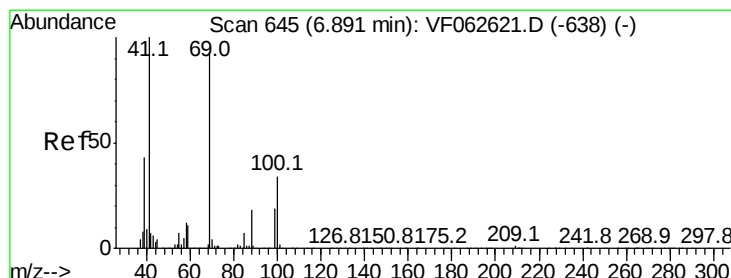
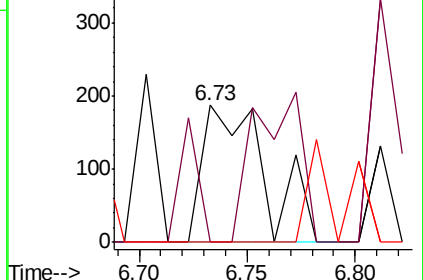
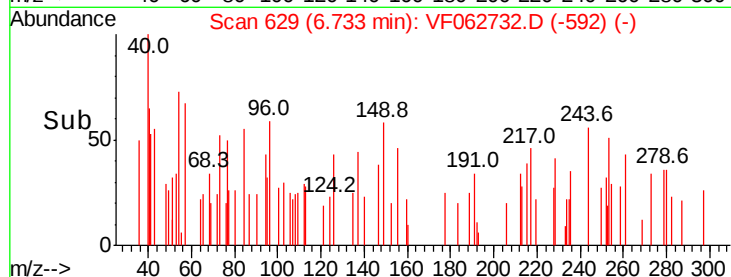
127 0.0 7.7 11.5#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 326.048 ug/l

RT: 7.11 min Scan# 667

Delta R.T. 0.22 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

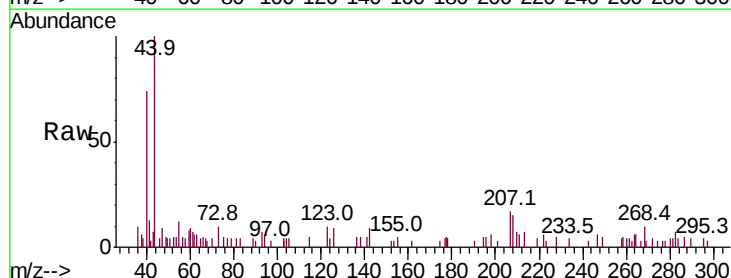
Tgt Ion: 41 Resp: 109

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

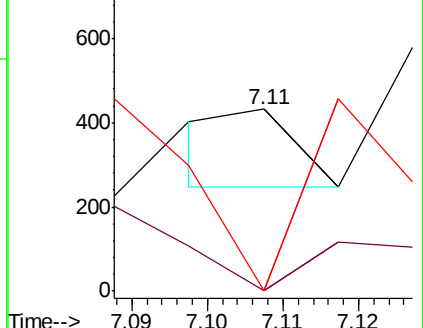
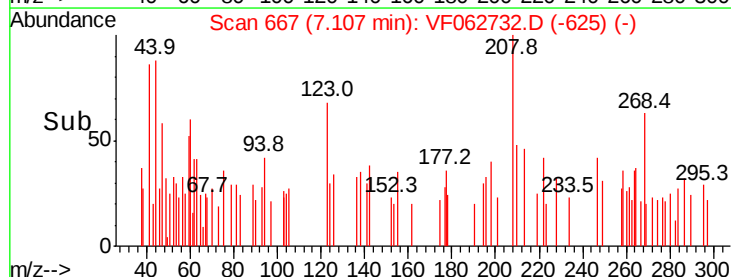
39 0.0 34.2 51.4#

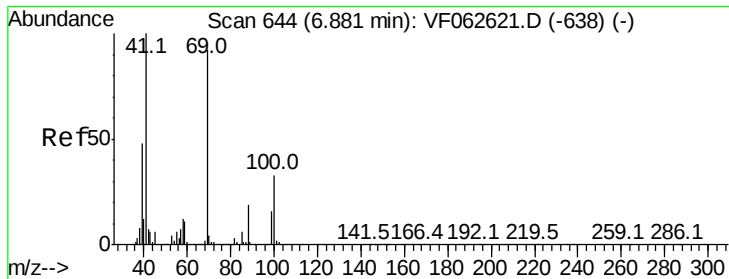


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 43673.532 ug/l

RT: 7.06 min Scan# 662

Delta R.T. 0.18 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

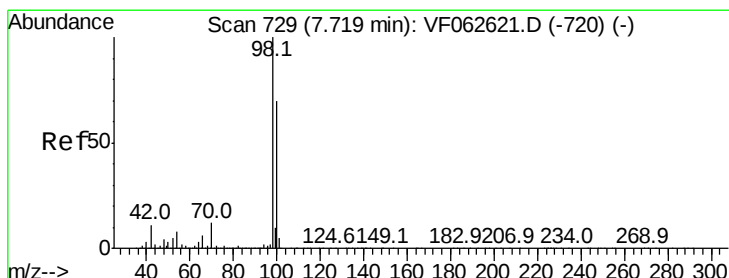
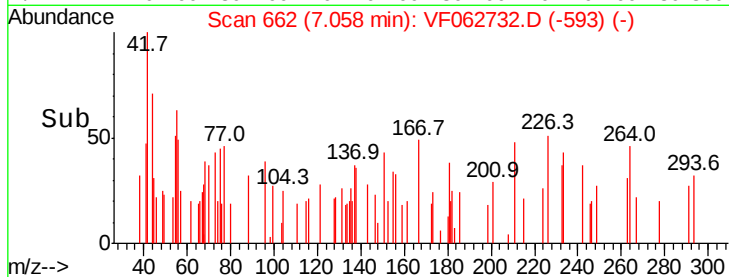
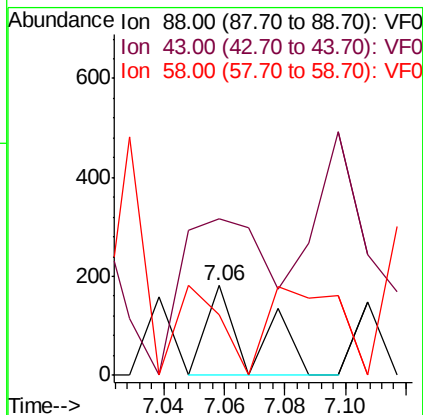
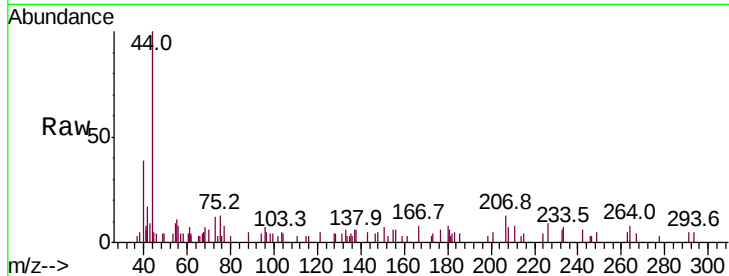
Tot Ion: 88 Resp: 187

Ion Ratio Lower Upper

88 100

43 174.6 30.0 45.0#

58 68.0 51.1 76.7



#50

Toluene-d8

Concen: 166.058 ug/l

RT: 7.96 min Scan# 753

Delta R.T. 0.24 min

Lab File: VF062732.D

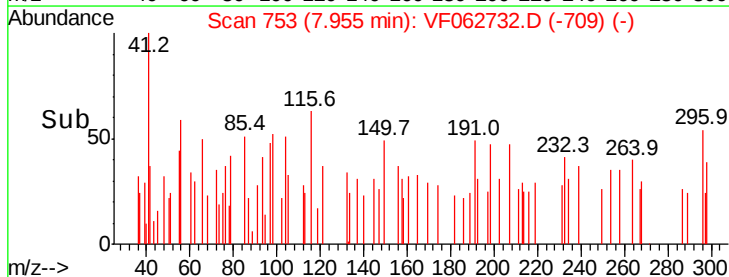
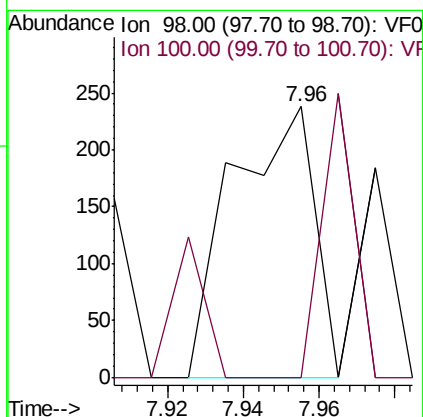
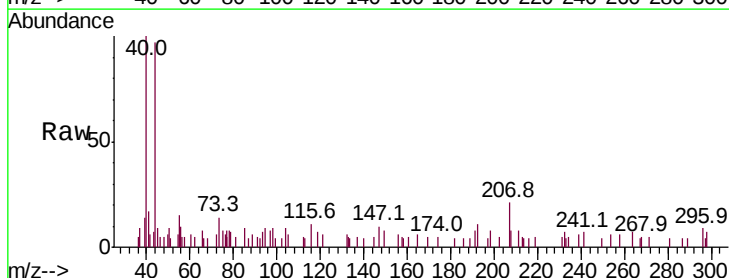
Acq: 23 May 2019 17:42

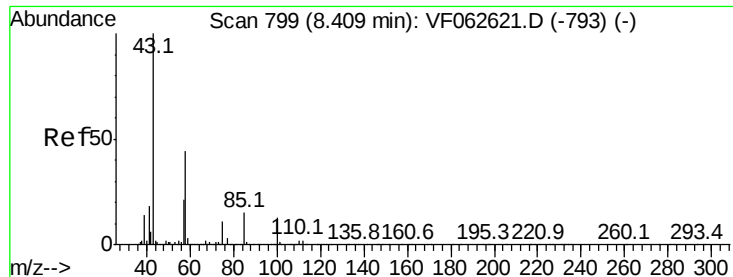
Tgt Ion: 98 Resp: 358

Ion Ratio Lower Upper

98 100

100 0.0 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 3053.600 ug/l

RT: 8.67 min Scan# 826

Delta R.T. 0.27 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

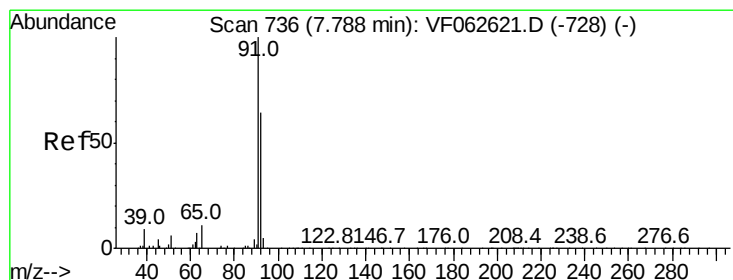
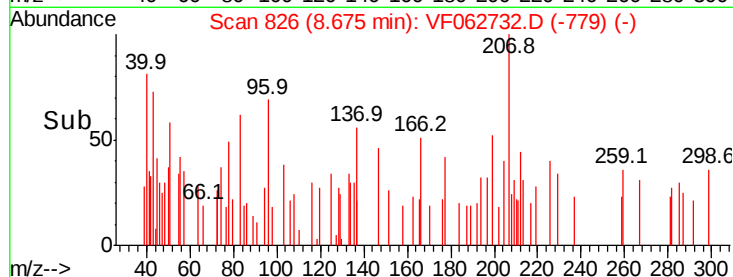
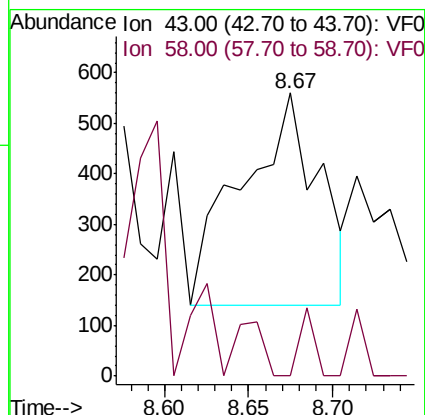
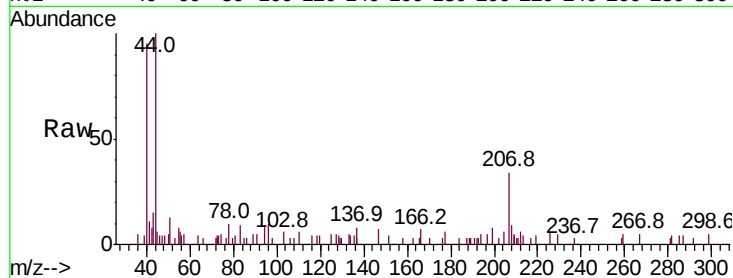
RT-3422

Tot Ion: 43 Resp: 1335

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#



#52

Toluene

Concen: 84.514 ug/l

RT: 8.04 min Scan# 762

Delta R.T. 0.26 min

Lab File: VF062732.D

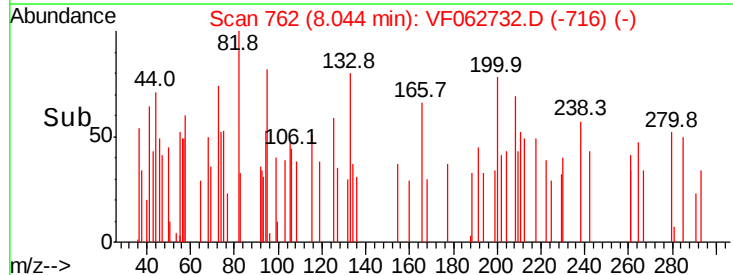
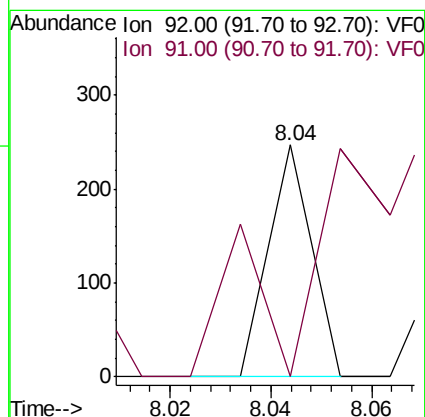
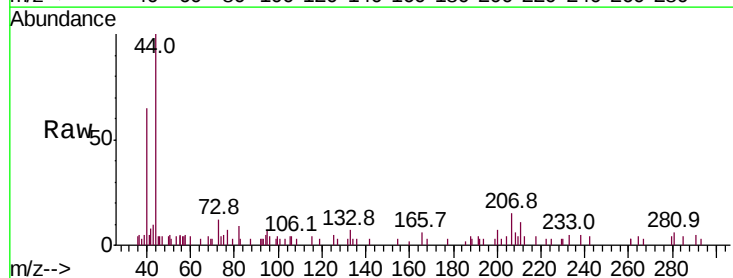
Acq: 23 May 2019 17:42

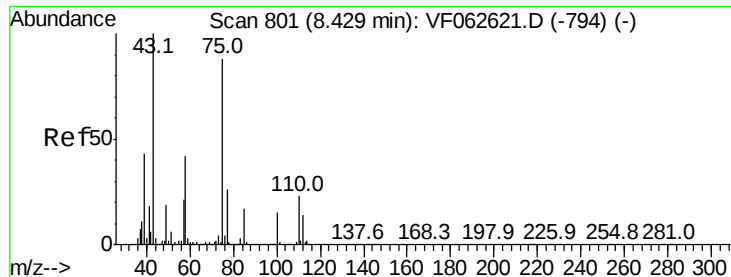
Tgt Ion: 92 Resp: 146

Ion Ratio Lower Upper

92 100

91 0.0 125.4 188.0#

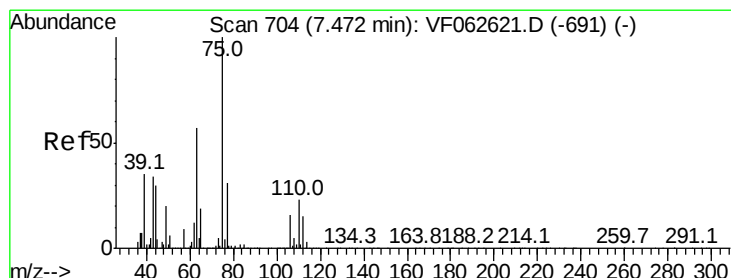
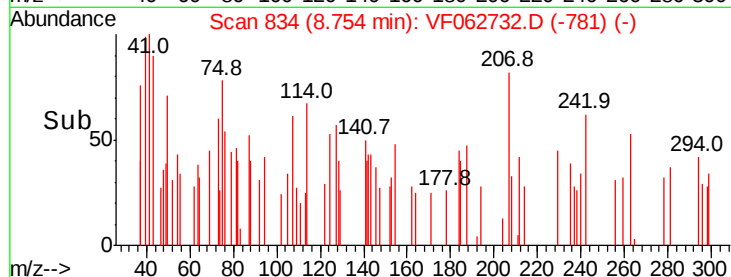
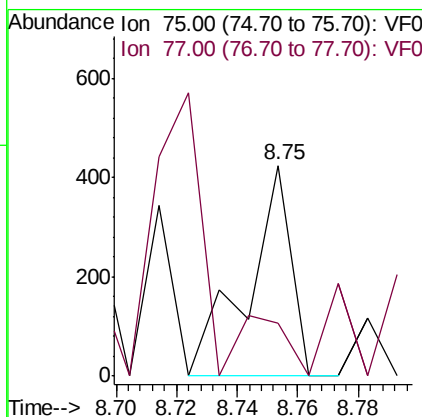
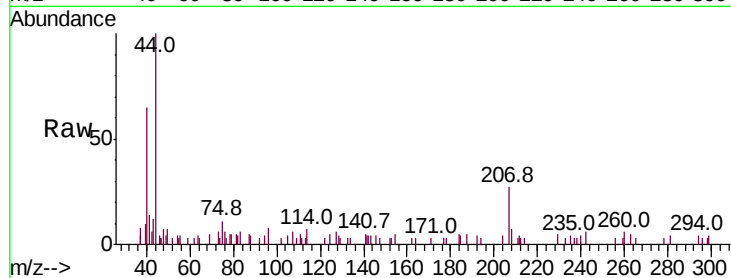




#53
 t-1,3-Dichloropropene
 Concen: 517.032 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. 0.33 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

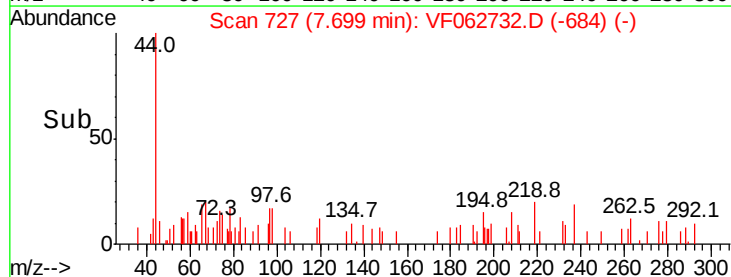
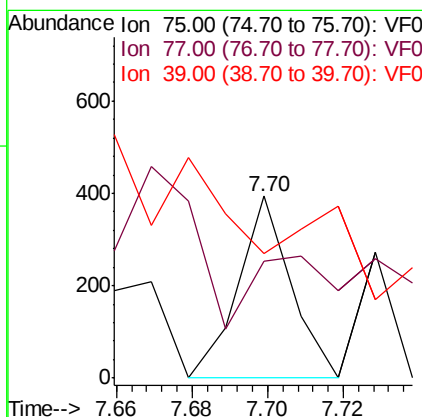
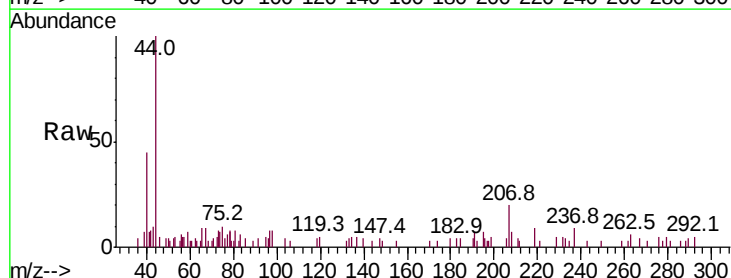
Instrument :
 MSVOA_F
 ClientSampleId :
 RT-3422

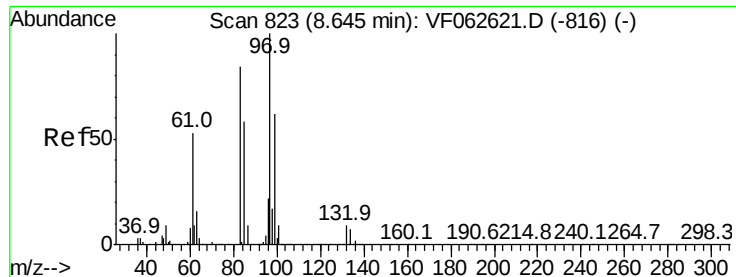
Tot Ion: 75 Resp: 422
 Ion Ratio Lower Upper
 75 100
 77 24.9 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 329.968 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. 0.23 min
 Lab File: VF062732.D
 Acq: 23 May 2019 17:42

Tgt Ion: 75 Resp: 377
 Ion Ratio Lower Upper
 75 100
 77 64.5 25.3 37.9#
 39 68.3 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 400.783 ug/l

RT: 8.90 min Scan# 849

Delta R.T. 0.26 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

Tot Ion: 97 Resp: 205

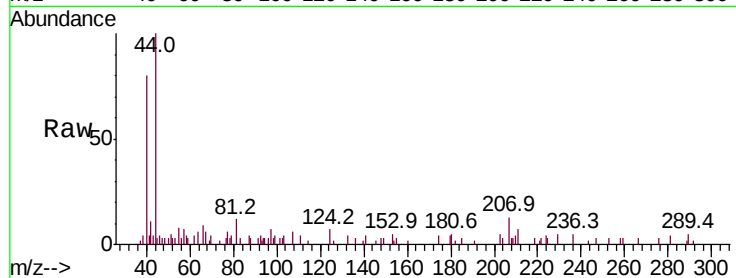
Ion Ratio Lower Upper

97 100

83 47.3 67.3 100.9#

85 0.0 46.6 69.8#

99 50.7 49.7 74.5

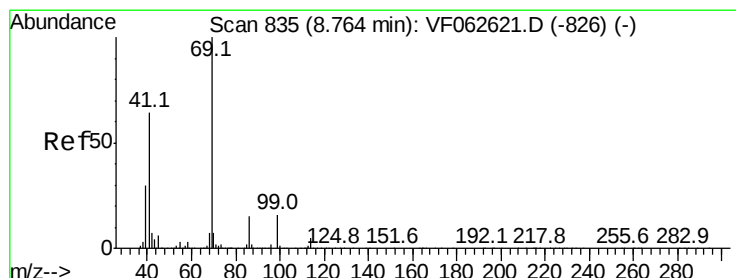
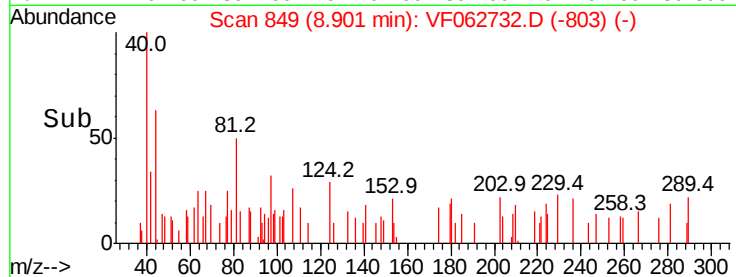
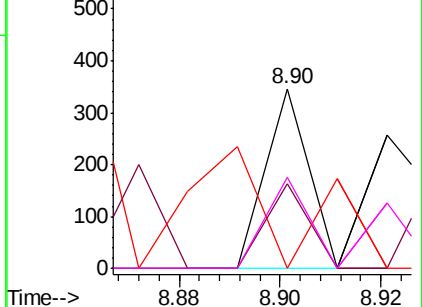


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 500.503 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.24 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

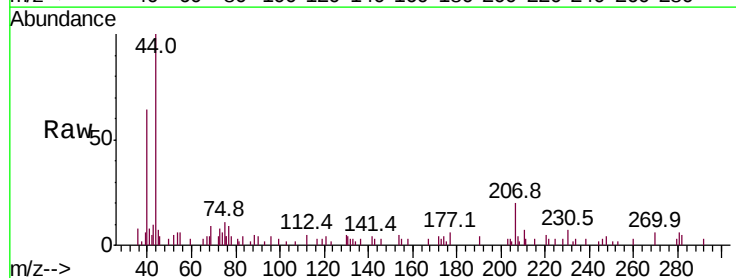
Tgt Ion: 69 Resp: 305

Ion Ratio Lower Upper

69 100

41 92.3 51.4 77.2#

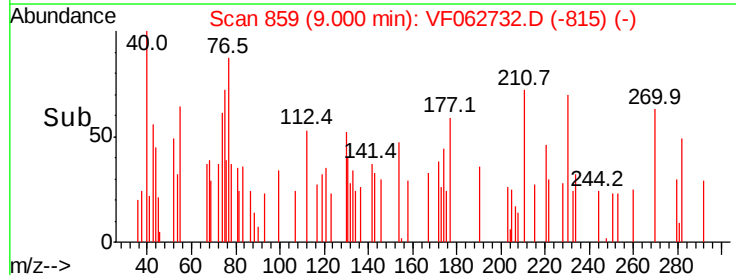
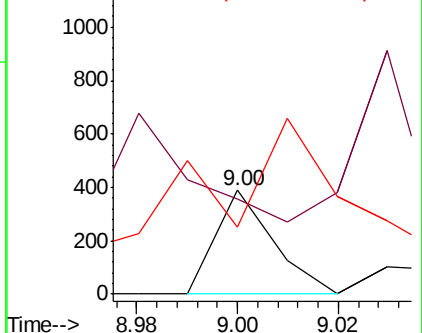
39 64.8 23.6 35.4#

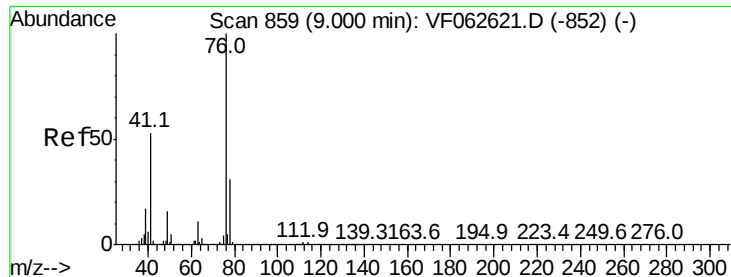


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 106.745 ug/l

RT: 9.26 min Scan# 885

Delta R.T. 0.26 min

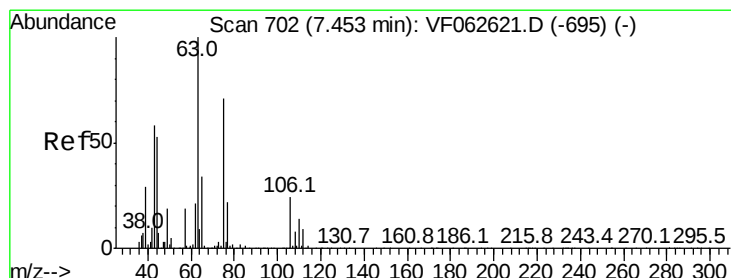
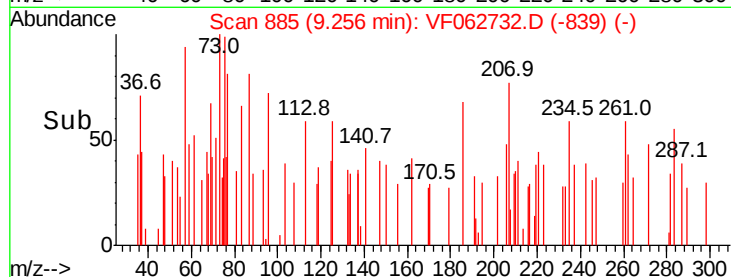
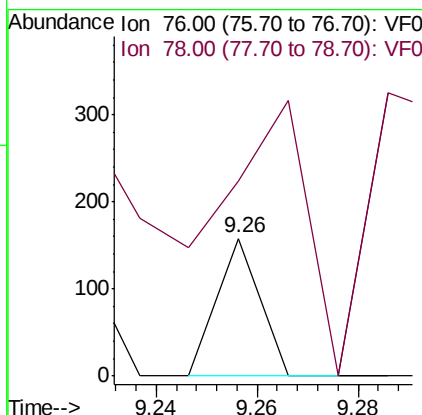
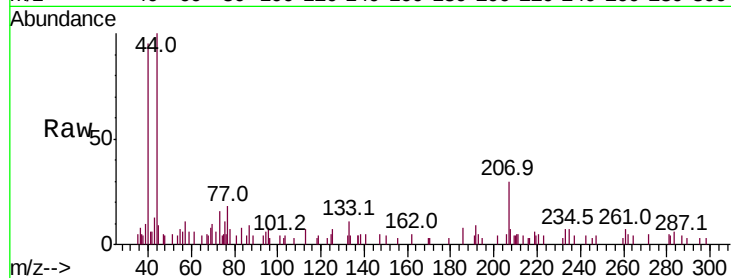
Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :
RT-3422

Tot Ion: 76 Resp: 93

Ion	Ratio	Lower	Upper
76	100		
78	141.8	25.4	38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1194.823 ug/l

RT: 7.64 min Scan# 721

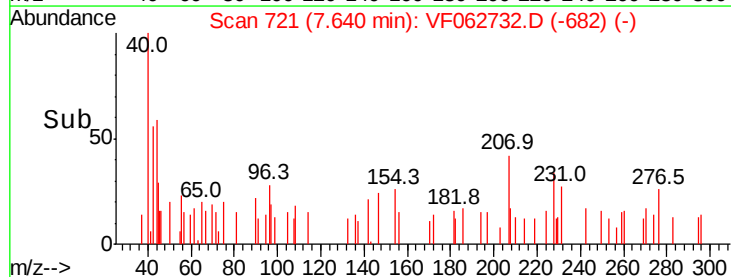
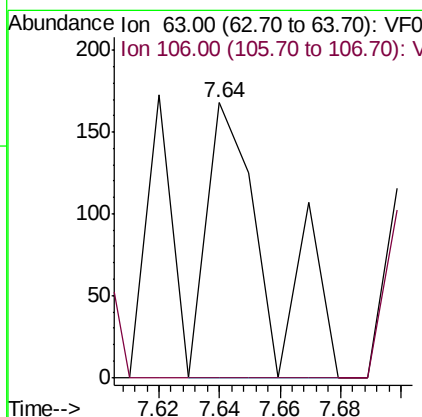
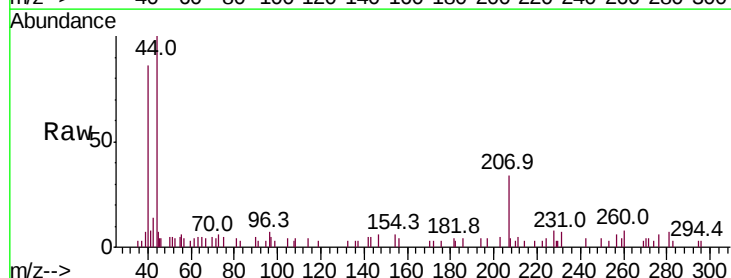
Delta R.T. 0.19 min

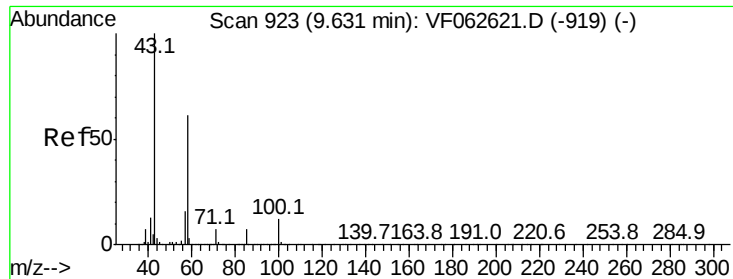
Lab File: VF062732.D

Acq: 23 May 2019 17:42

Tgt Ion: 63 Resp: 237

Ion	Ratio	Lower	Upper
63	100		
106	0.0	19.1	28.7#

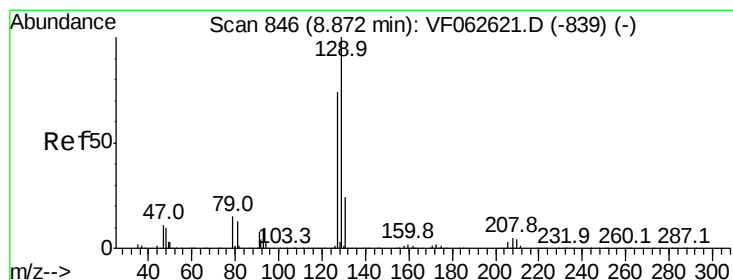
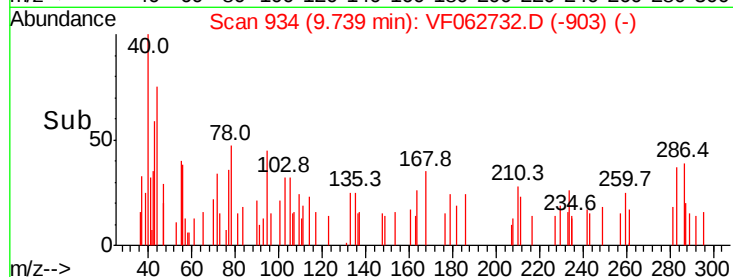
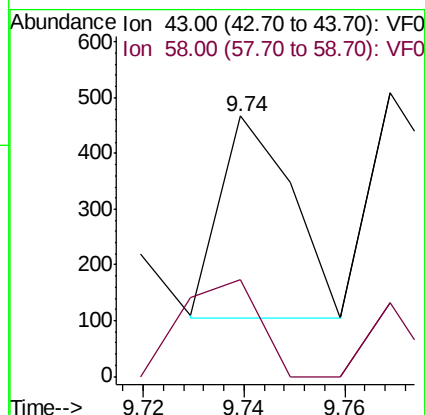
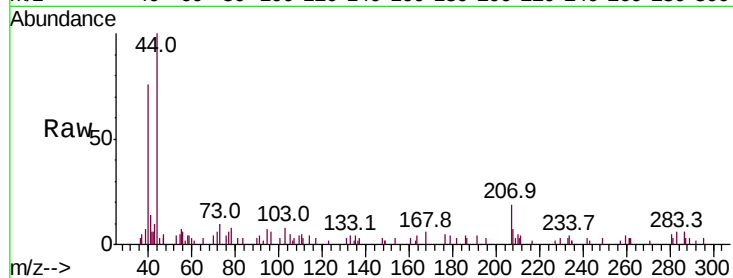




#59
2-Hexanone
Concen: 1339.835 ug/l
RT: 9.74 min Scan# 934
Delta R.T. 0.11 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

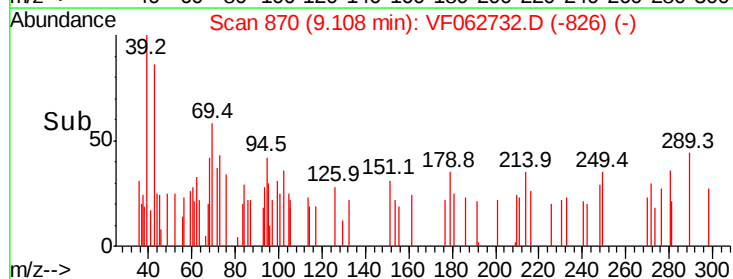
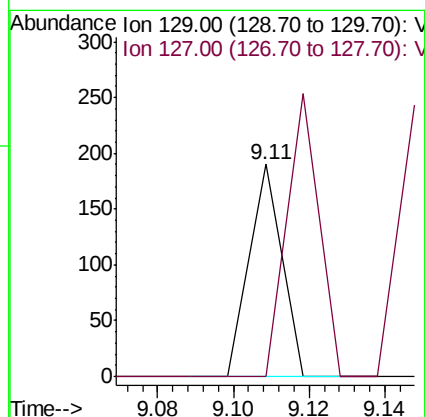
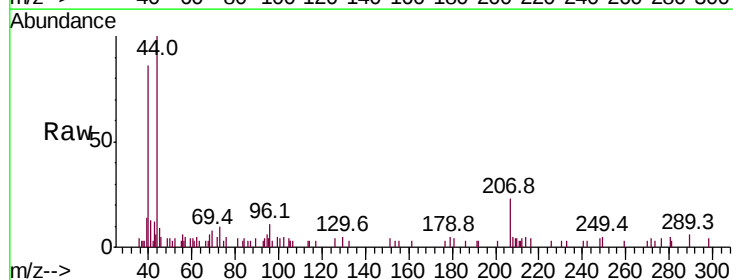
Instrument :
MSVOA_F
ClientSampleId :
RT-3422

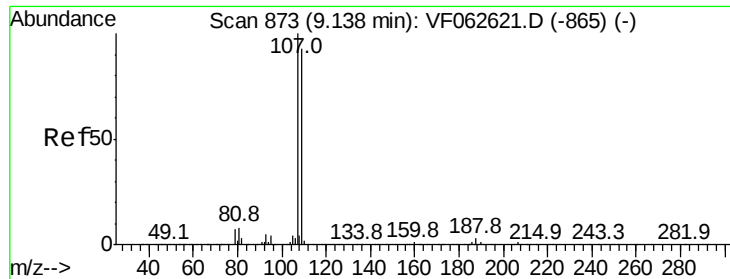
Tot Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
58 37.0 28.1 84.4



#60
Dibromochloromethane
Concen: 168.005 ug/l
RT: 9.11 min Scan# 870
Delta R.T. 0.24 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion: 129 Resp: 112
Ion Ratio Lower Upper
129 100
127 0.0 37.2 111.6#





#61

1,2-Dibromoethane

Concen: 150.933 ug/l

RT: 9.55 min Scan# 915

Delta R.T. 0.41 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

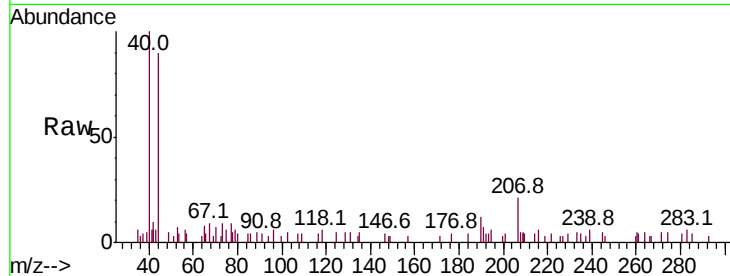
Instrument :
MSVOA_F
ClientSampled :
RT-3422

Tot Ion:107 Resp: 82

Ion Ratio Lower Upper

107 100

109 95.7 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

250

200

150

100

50

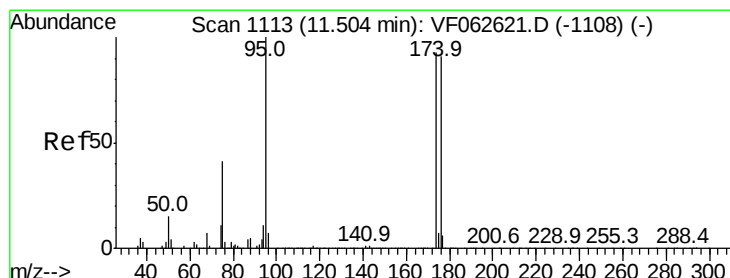
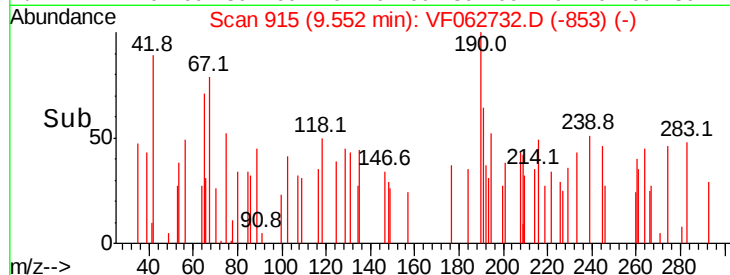
0

9.52

9.54

9.56

Time-->



#62

4-Bromofluorobenzene

Concen: 365.680 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. 0.33 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

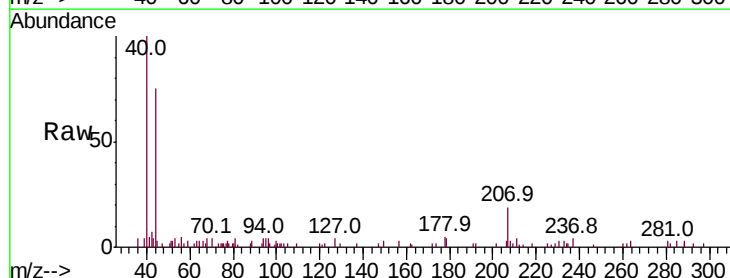
Tgt Ion: 95 Resp: 299

Ion Ratio Lower Upper

95 100

174 53.6 0.0 185.6

176 0.0 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

400

300

200

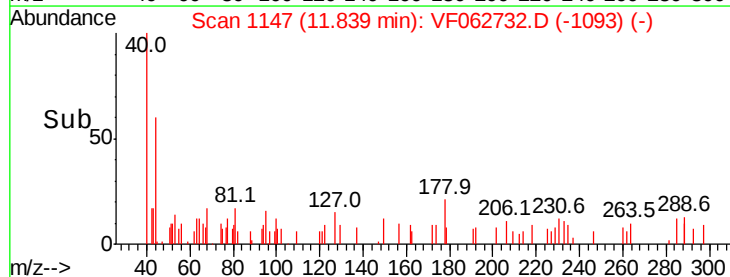
100

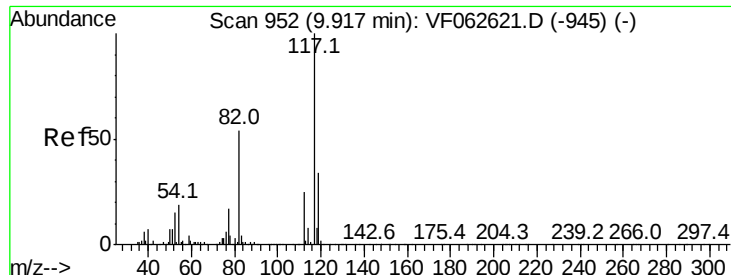
0

11.80

11.85

Time-->

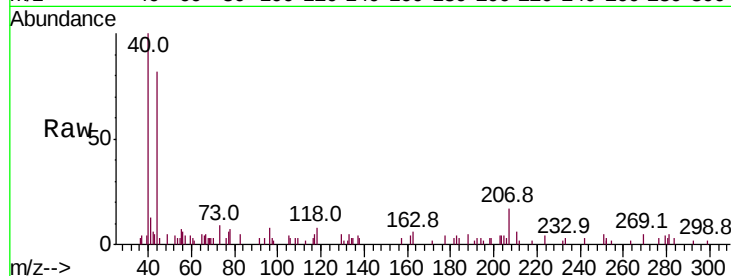




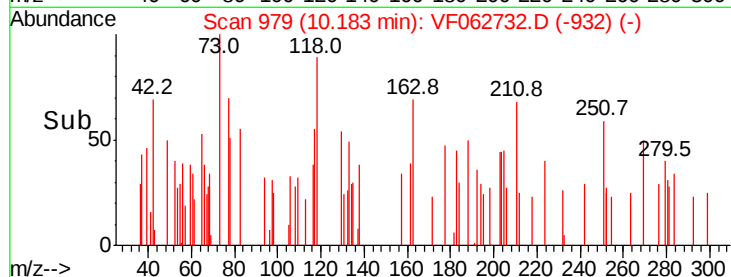
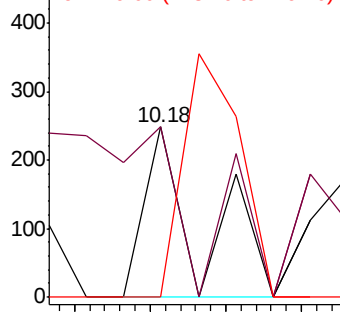
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.18 min Scan# 979
Delta R.T. 0.27 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Instrument :
MSVOA_F
ClientSampleID :
RT-3422

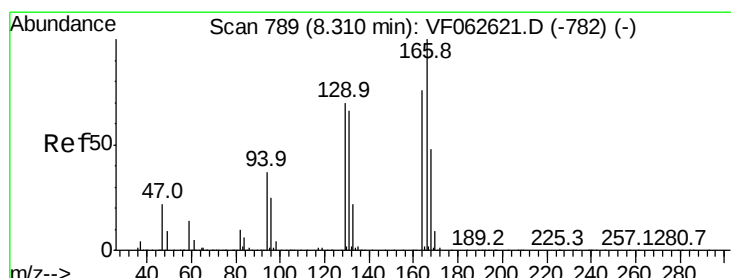
Tot Ion:117 Resp: 253
Ion Ratio Lower Upper
117 100
82 100.4 43.3 64.9#
119 0.0 27.4 41.0#



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

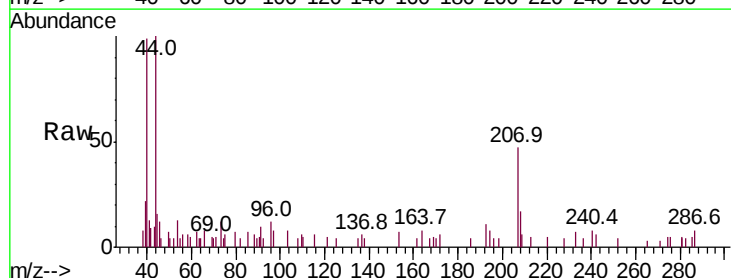


Time-->

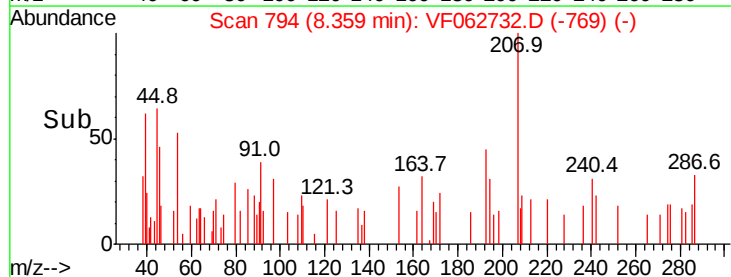
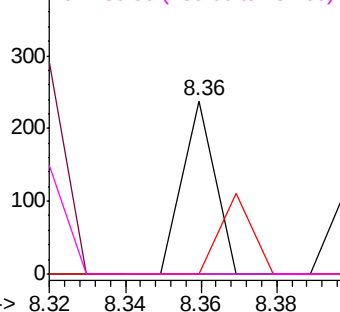


#64
Tetrachloroethene
Concen: 70.348 ug/l
RT: 8.36 min Scan# 794
Delta R.T. 0.05 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

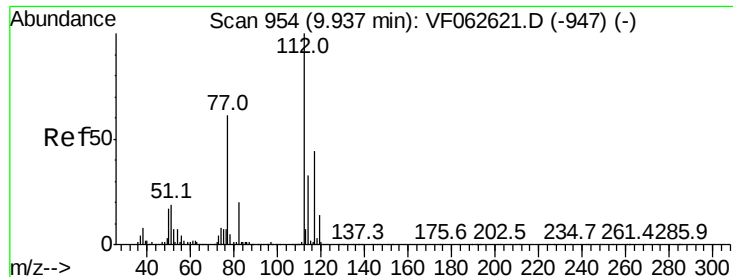
Tgt Ion:164 Resp: 141
Ion Ratio Lower Upper
164 100
166 0.0 105.5 158.3#
129 0.0 73.8 110.6#
131 0.0 69.5 104.3#



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



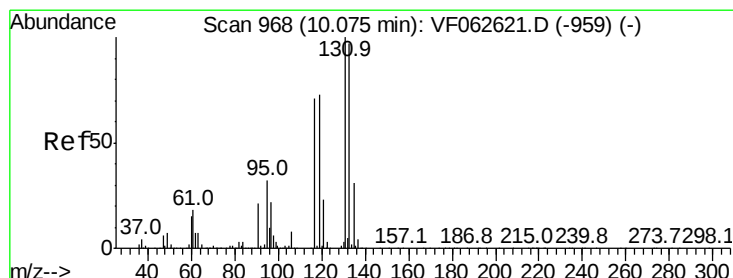
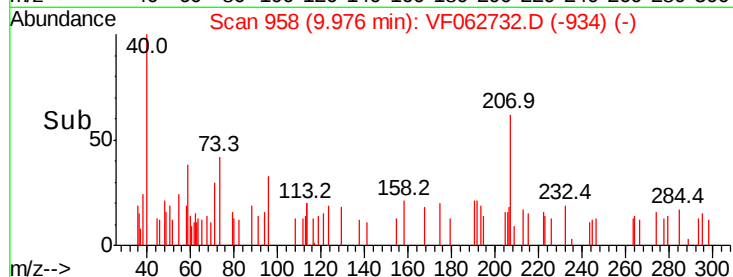
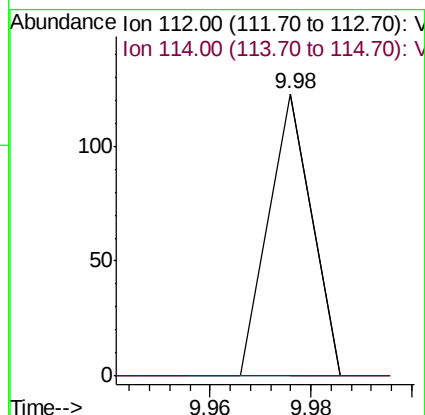
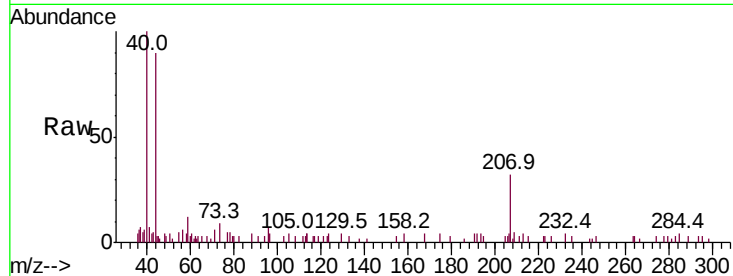
Time-->



#65
Chlorobenzene
Concen: 14.691 ug/l
RT: 9.98 min Scan# 958
Delta R.T. 0.04 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

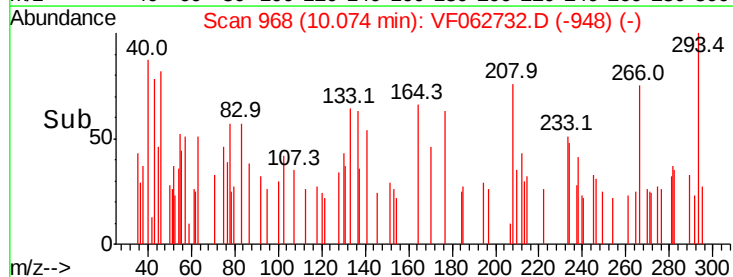
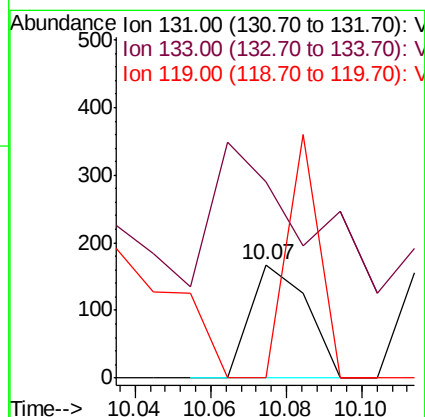
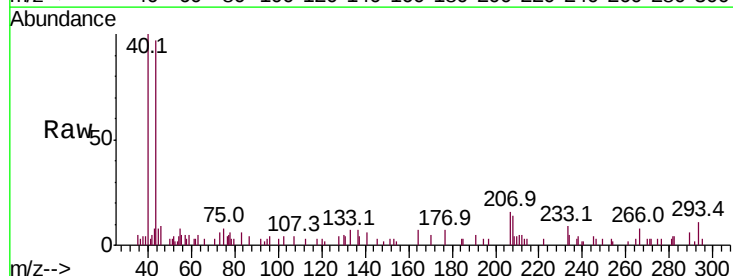
Instrument :
MSVOA_F
ClientSampleId :
RT-3422

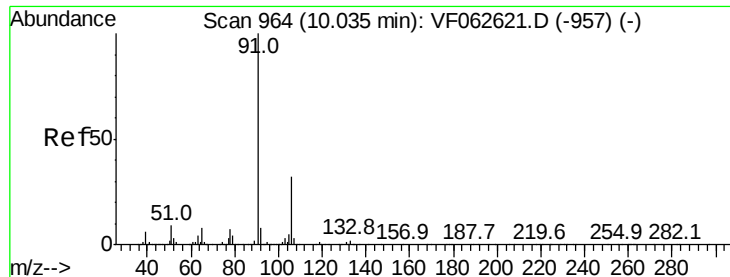
Tot Ion:112 Resp: 73
Ion Ratio Lower Upper
112 100
114 0.0 26.8 40.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 86.723 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion:131 Resp: 173
Ion Ratio Lower Upper
131 100
133 174.3 48.5 145.5#
119 0.0 36.8 110.4#





#67

Ethyl Benzene

Concen: 35.679 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

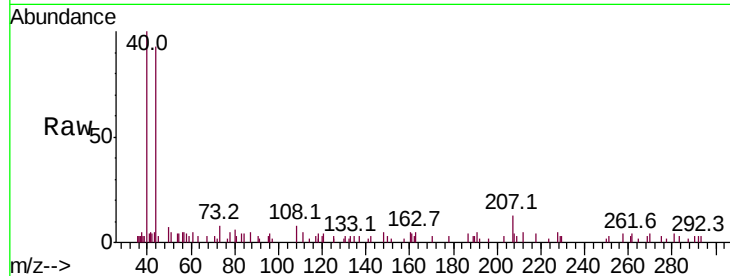
RT-3422

Tot Ion: 91 Resp: 308

Ion Ratio Lower Upper

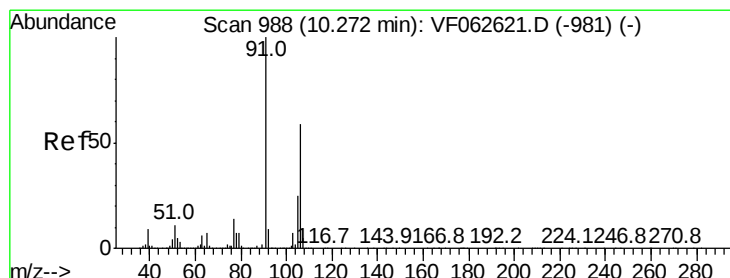
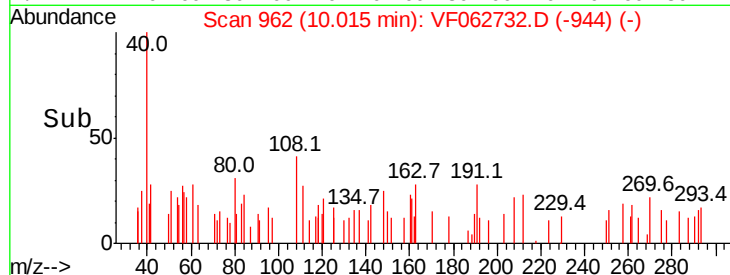
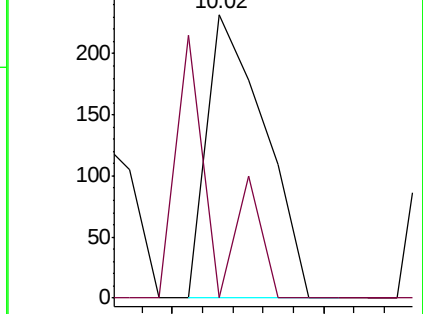
91 100

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



#68

m/p-Xylenes

Concen: 25.582 ug/l

RT: 10.12 min Scan# 973

Delta R.T. -0.15 min

Lab File: VF062732.D

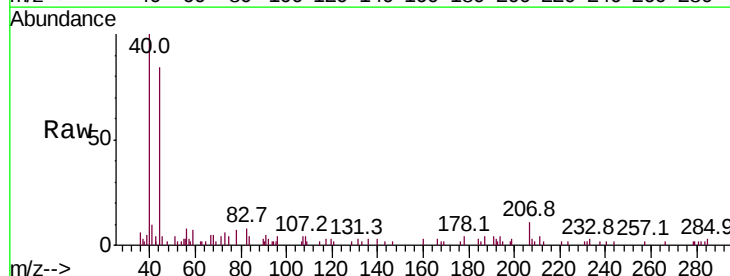
Acq: 23 May 2019 17:42

Tgt Ion: 106 Resp: 83

Ion Ratio Lower Upper

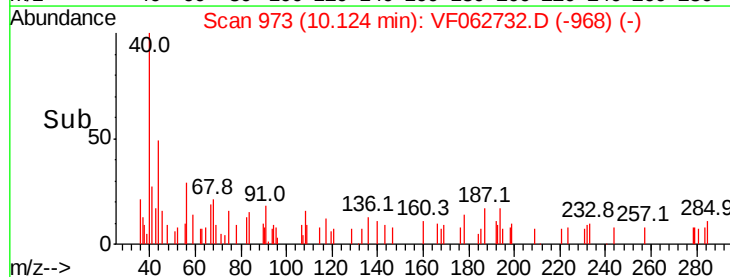
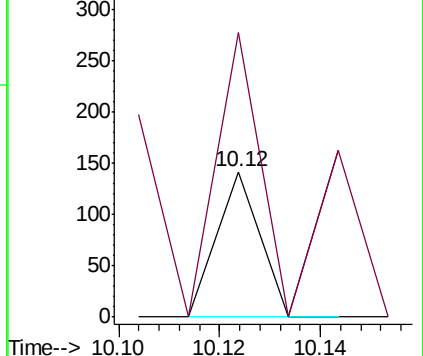
106 100

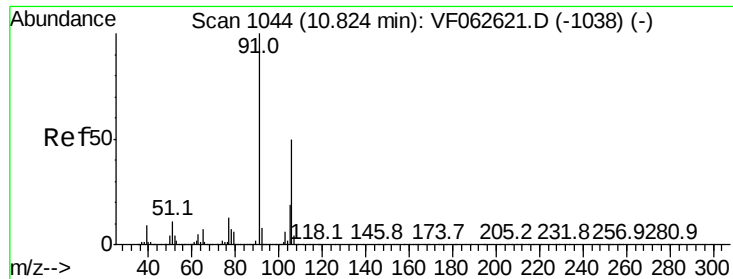
91 196.5 136.9 205.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

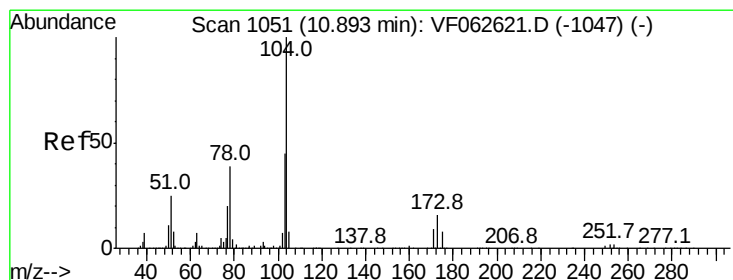
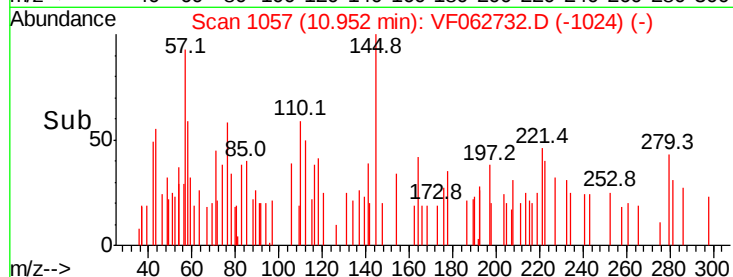
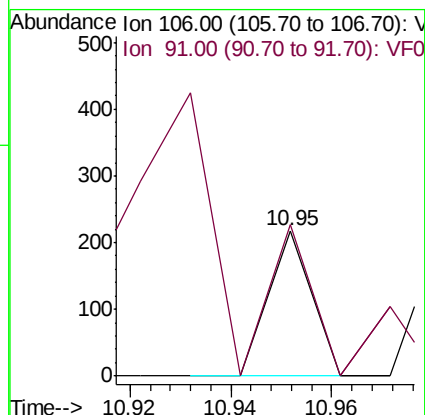
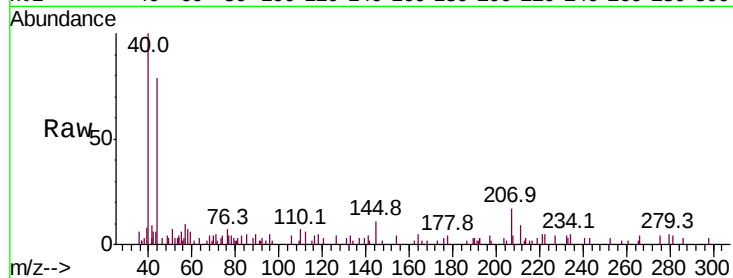




#69
o-Xylene
Concen: 38.601 ug/l
RT: 10.95 min Scan# 1057
Delta R.T. 0.13 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

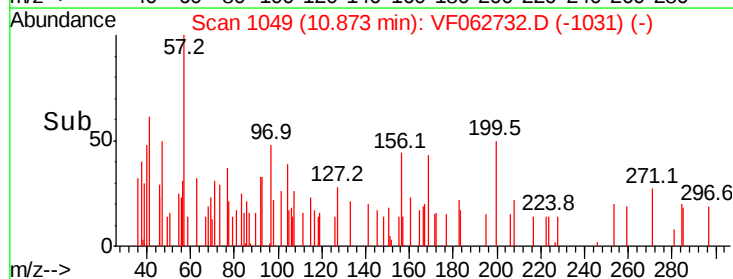
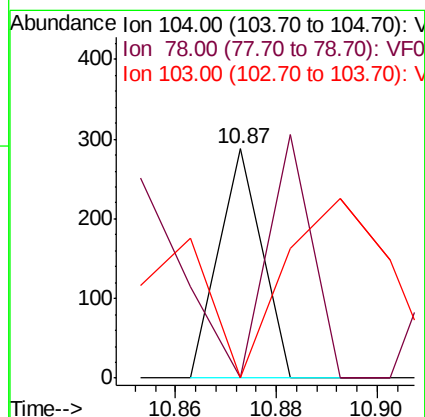
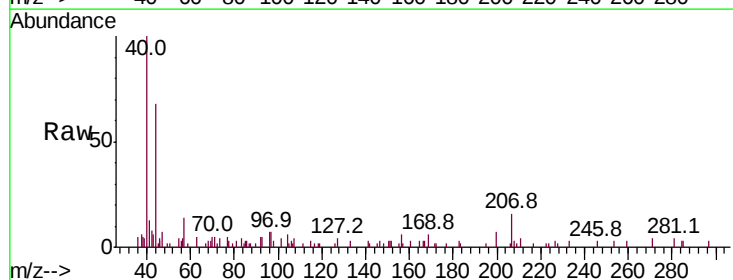
Instrument :
MSVOA_F
ClientSampleID :
RT-3422

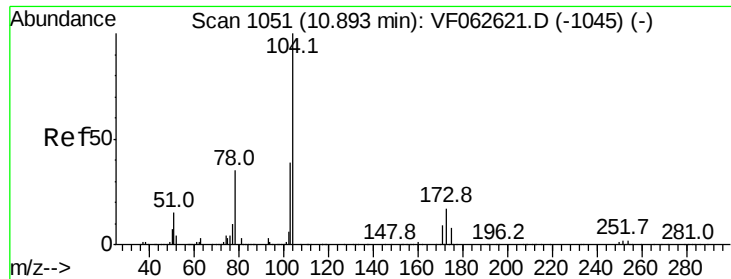
Tot Ion:106 Resp: 129
Ion Ratio Lower Upper
106 100
91 104.1 100.2 300.5



#70
Styrene
Concen: 33.469 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062732.D
Acq: 23 May 2019 17:42

Tgt Ion:104 Resp: 170
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 0.0 36.1 54.1#





#71

Bromoform

Concen: 102.092 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

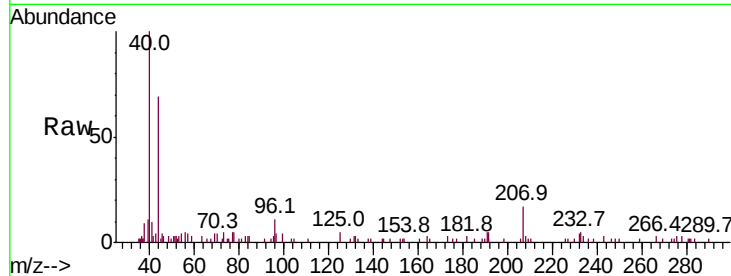
Tot Ion:173 Resp: 102

Ion Ratio Lower Upper

173 100

175 72.3 25.3 75.9

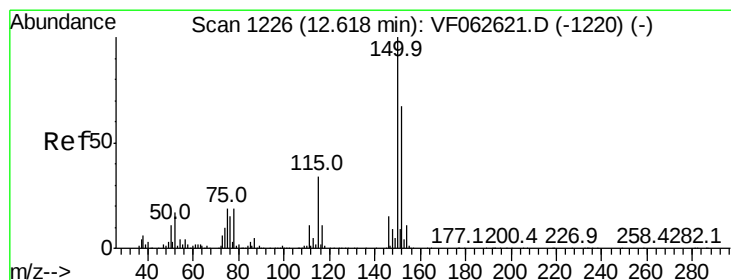
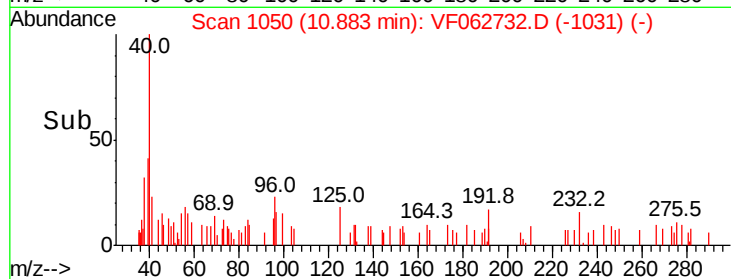
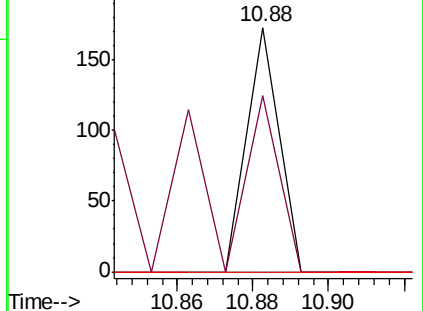
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.67 min Scan# 1231

Delta R.T. 0.05 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

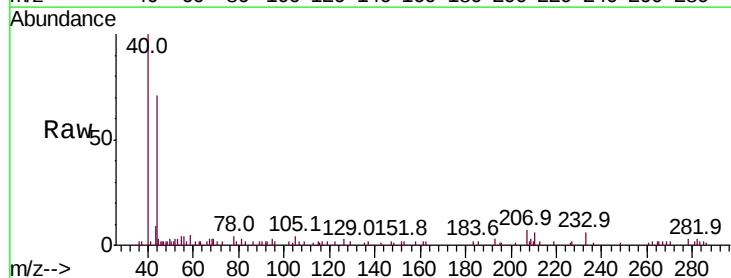
Tgt Ion:152 Resp: 492

Ion Ratio Lower Upper

152 100

115 51.1 25.2 75.6

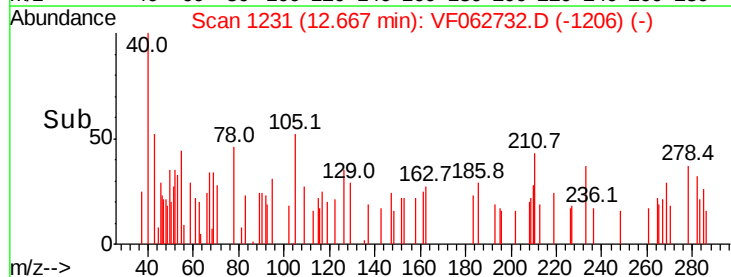
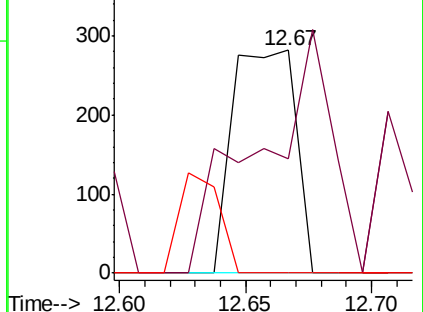
150 0.0 0.0 306.2

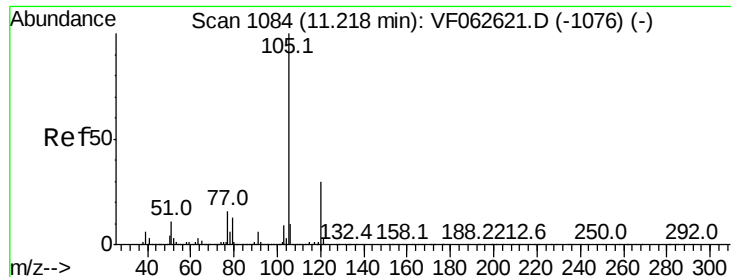


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 15.427 ug/l

RT: 11.11 min Scan# 1073

Delta R.T. -0.11 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

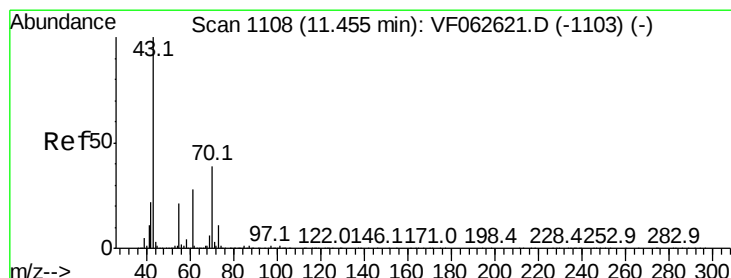
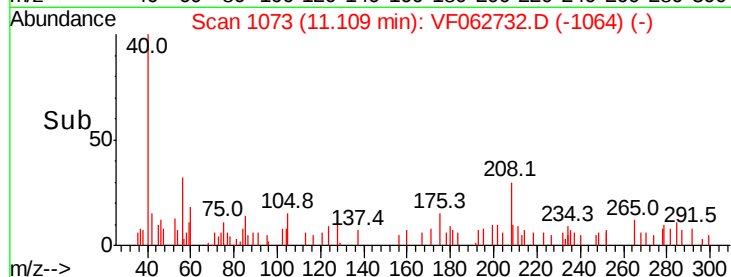
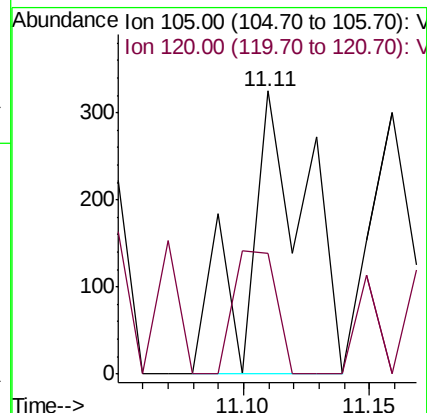
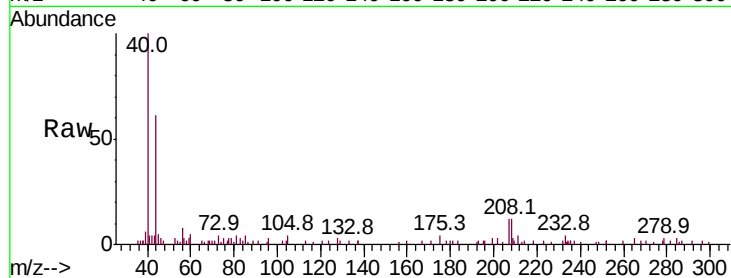
RT-3422

Tot Ion:105 Resp: 544

Ion Ratio Lower Upper

105 100

120 42.8 14.8 44.4



#74

N-ethyl acetate

Concen: 160.998 ug/l

RT: 11.41 min Scan# 1103

Delta R.T. -0.05 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Tgt Ion: 43 Resp: 1337

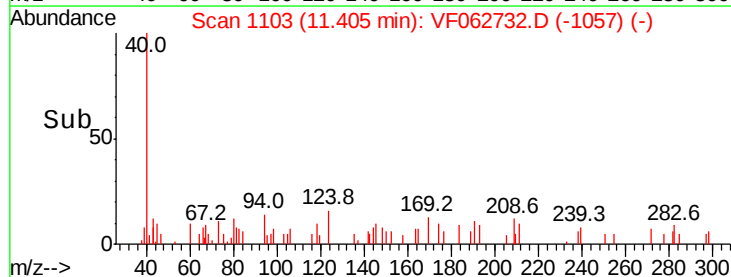
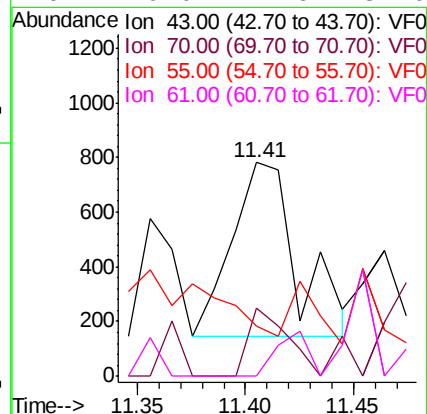
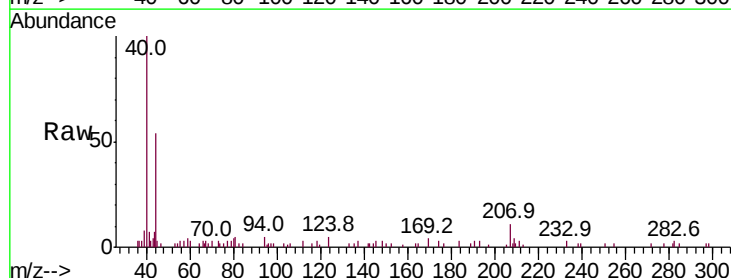
Ion Ratio Lower Upper

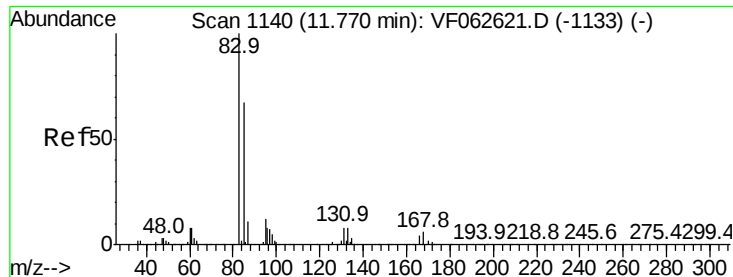
43 100

70 31.7 30.9 46.3

55 23.7 17.0 25.4

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 22.758 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

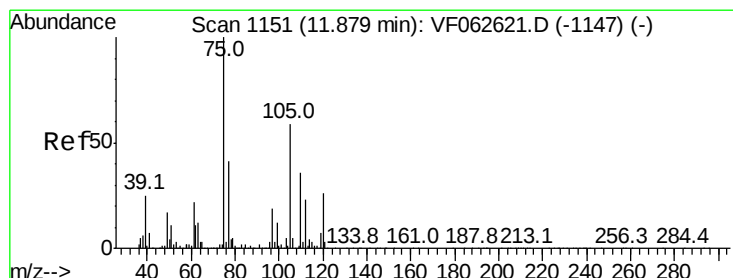
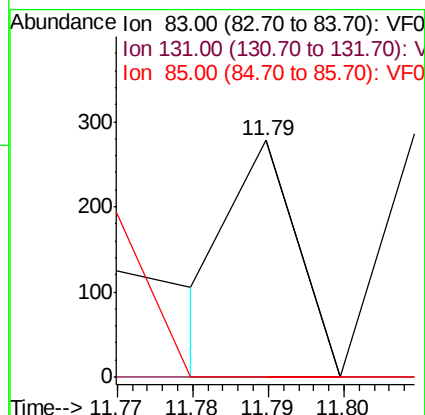
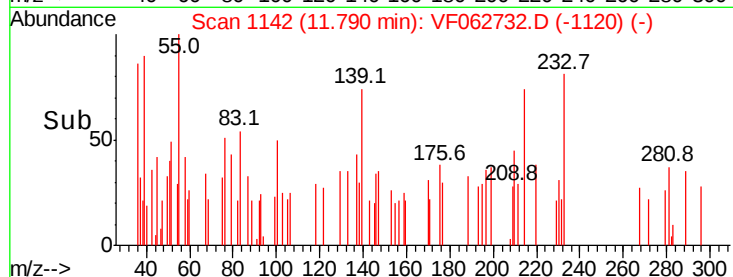
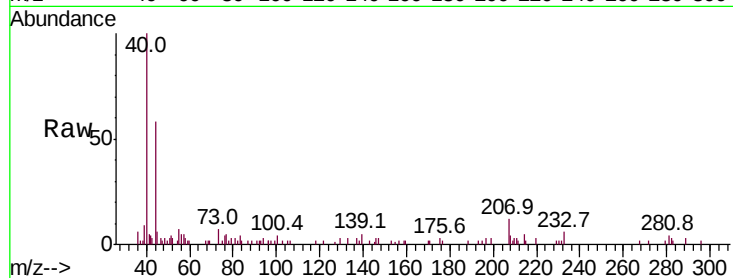
Tot Ion: 83 Resp: 164

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 76.029 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.04 min

Lab File: VF062732.D

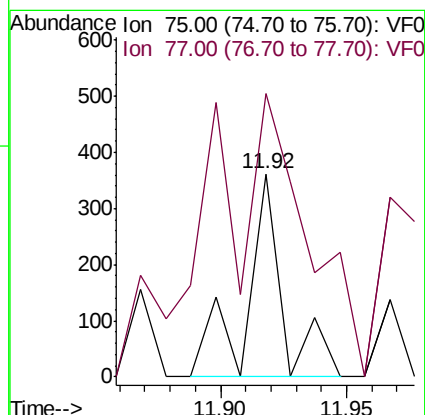
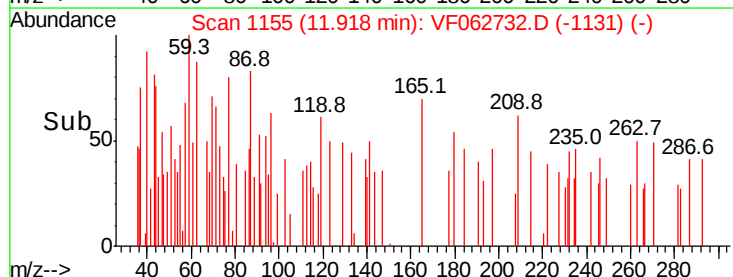
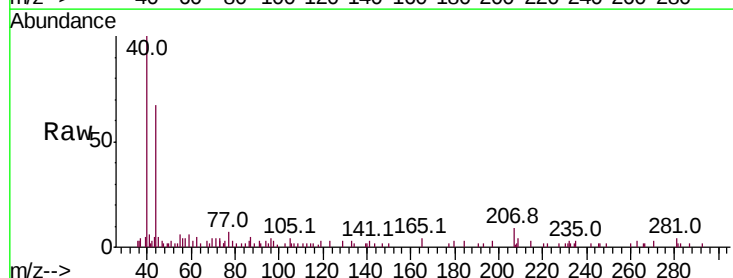
Acq: 23 May 2019 17:42

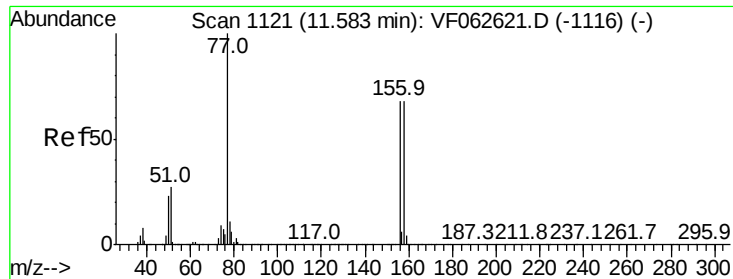
Tgt Ion: 75 Resp: 360

Ion Ratio Lower Upper

75 100

77 139.2 20.6 61.8#





#77

Bromobenzene

Concen: 19.737 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

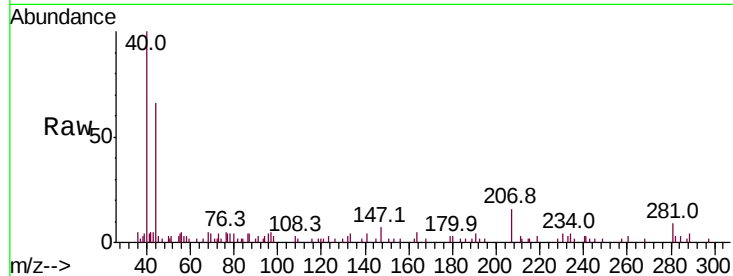
Tot Ion:156 Resp: 173

Ion Ratio Lower Upper

156 100

77 153.4 73.6 220.8

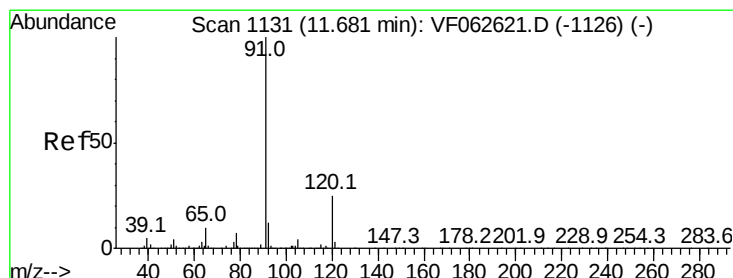
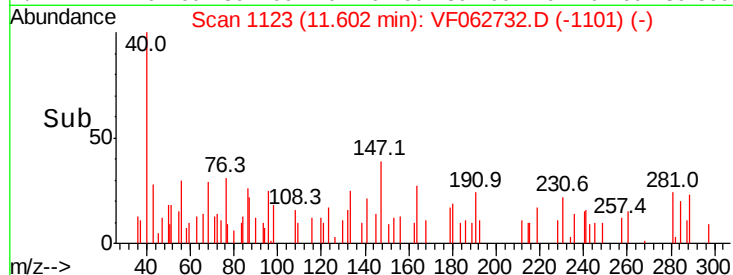
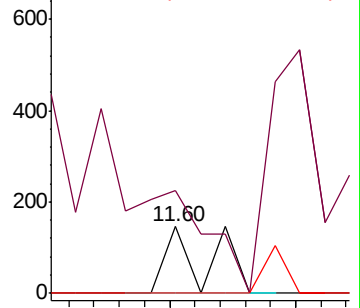
158 0.0 49.6 148.8#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 7.452 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062732.D

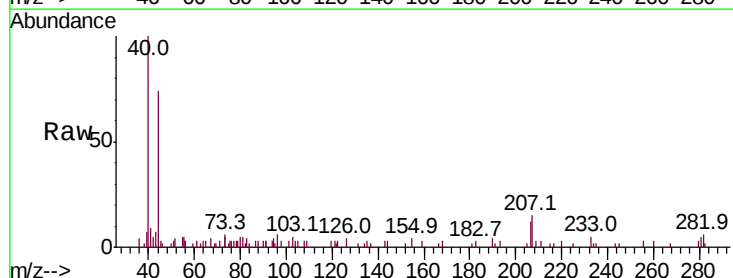
Acq: 23 May 2019 17:42

Tgt Ion: 91 Resp: 311

Ion Ratio Lower Upper

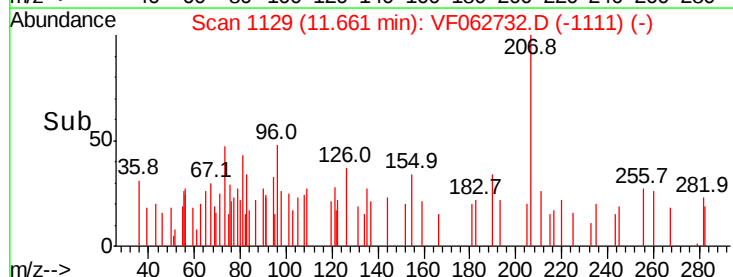
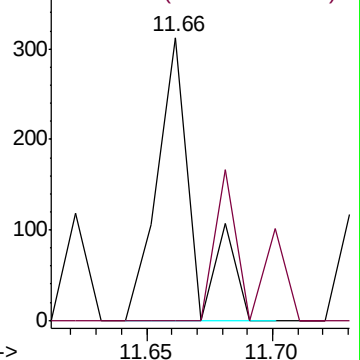
91 100

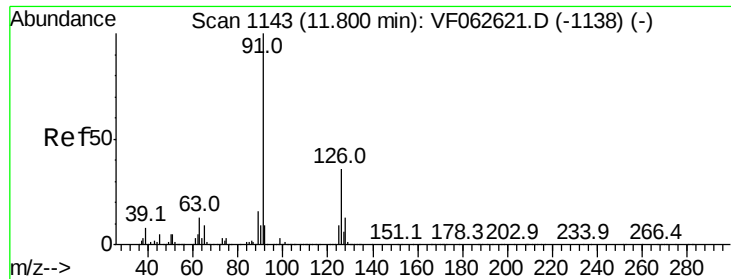
120 0.0 12.7 38.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.625 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

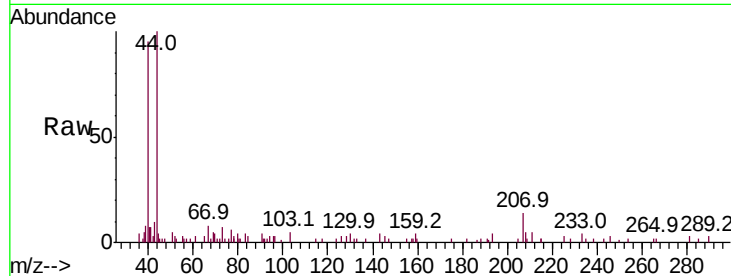
RT-3422

Tot Ion: 91 Resp: 391

Ion Ratio Lower Upper

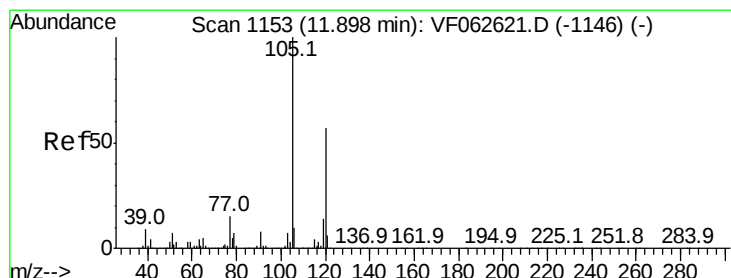
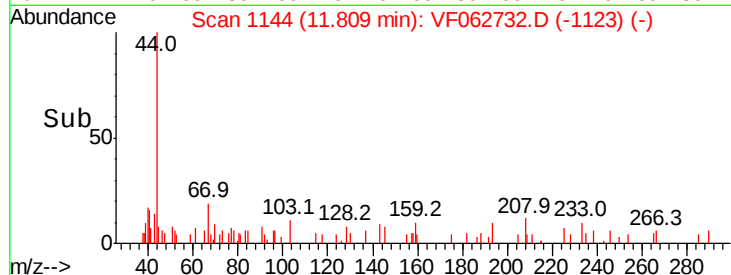
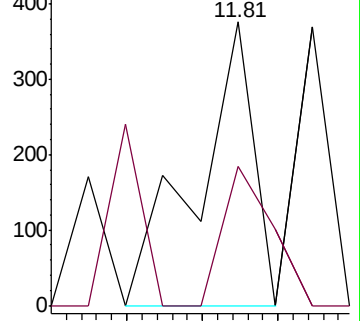
91 100

126 49.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 17.401 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.02 min

Lab File: VF062732.D

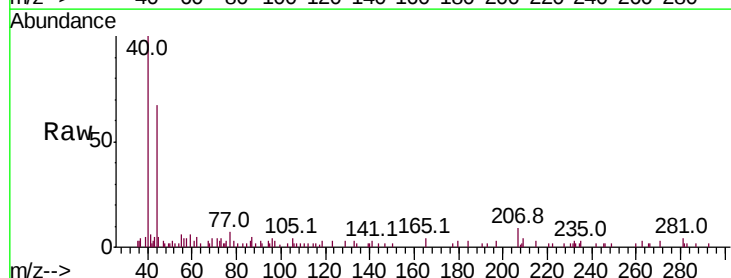
Acq: 23 May 2019 17:42

Tgt Ion: 105 Resp: 492

Ion Ratio Lower Upper

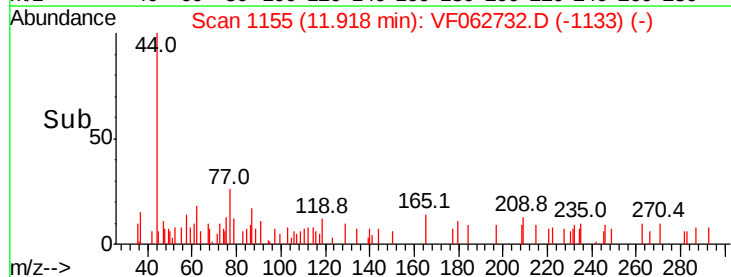
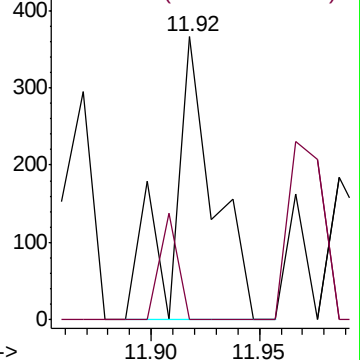
105 100

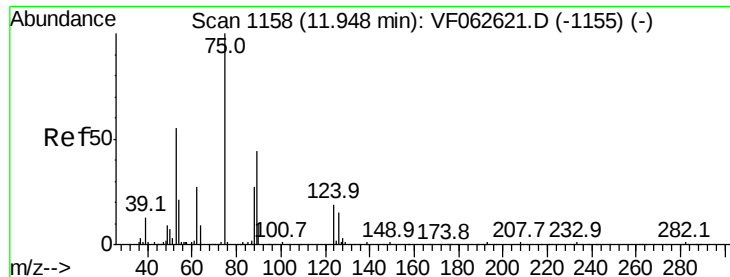
120 0.0 28.7 86.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 171.041 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.03 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

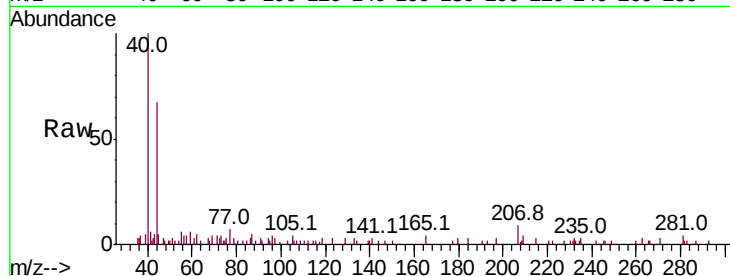
Tot Ion: 75 Resp: 360

Ion Ratio Lower Upper

75 100

53 0.0 46.9 70.3#

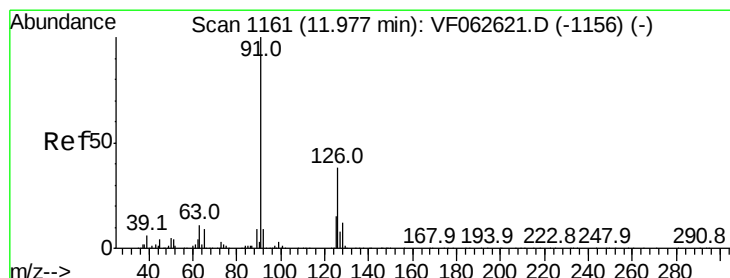
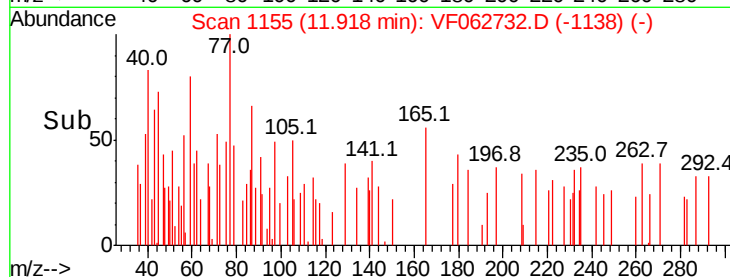
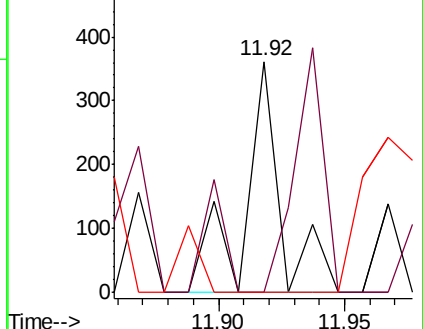
89 0.0 36.4 54.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 9.572 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.17 min

Lab File: VF062732.D

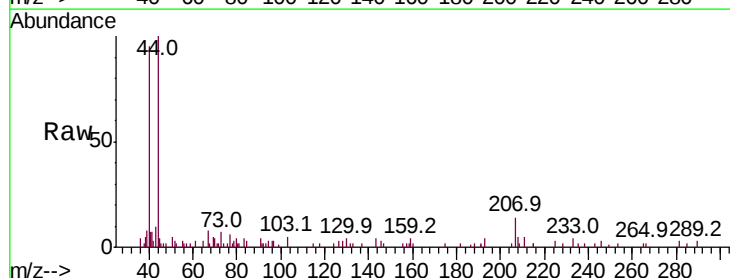
Acq: 23 May 2019 17:42

Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

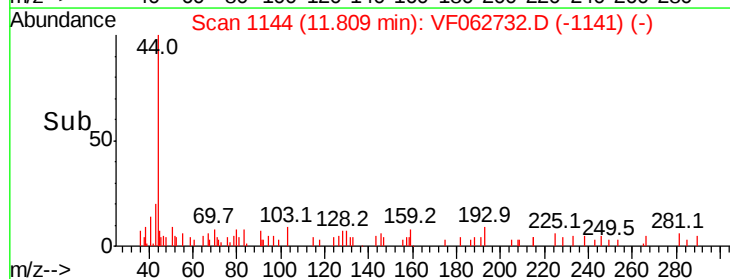
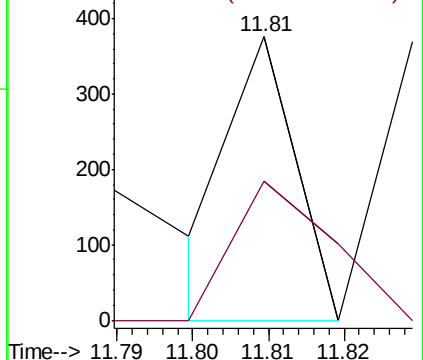
91 100

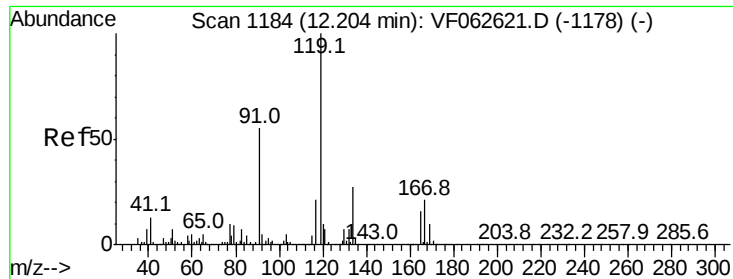
126 49.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 7.425 ug/l

RT: 12.18 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleID :

RT-3422

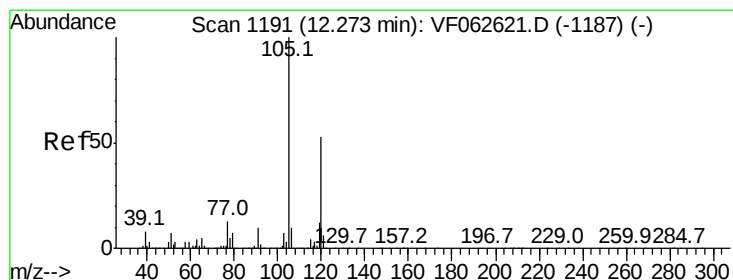
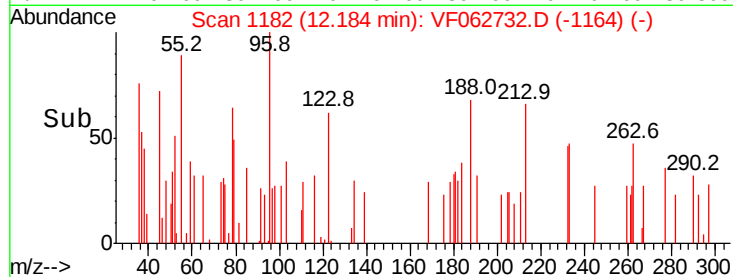
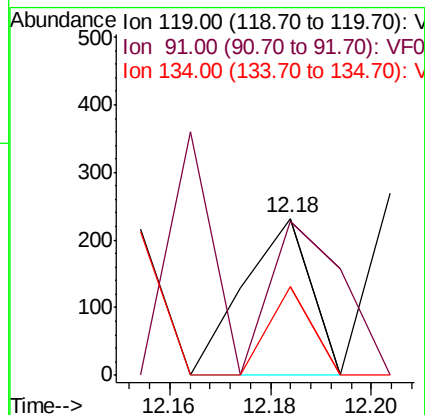
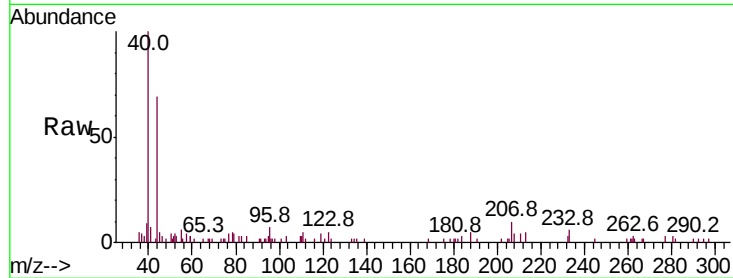
Tot Ion:119 Resp: 213

Ion Ratio Lower Upper

119 100

91 98.3 27.3 81.9#

134 56.5 13.6 40.7#



#84

1,2,4-Trimethylbenzene

Concen: 3.618 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062732.D

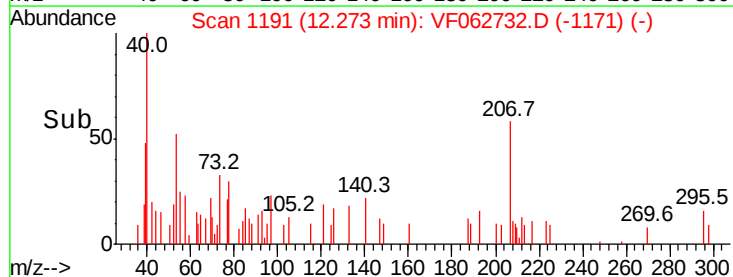
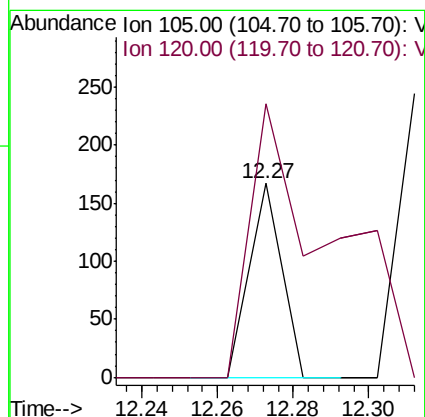
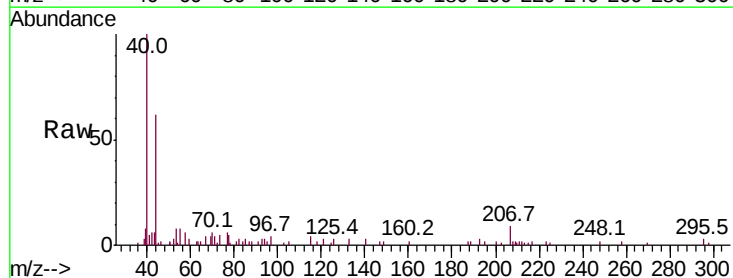
Acq: 23 May 2019 17:42

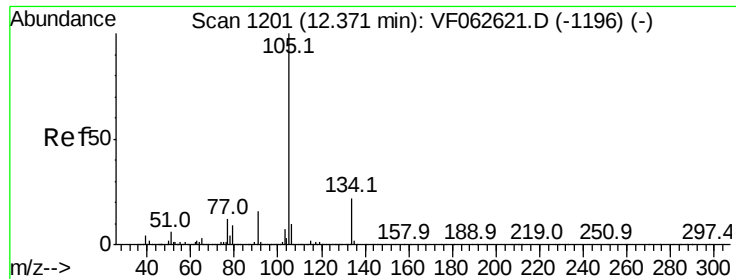
Tgt Ion:105 Resp: 99

Ion Ratio Lower Upper

105 100

120 141.3 26.7 80.1#





#85

sec-Butylbenzene

Concen: 6.104 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.14 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

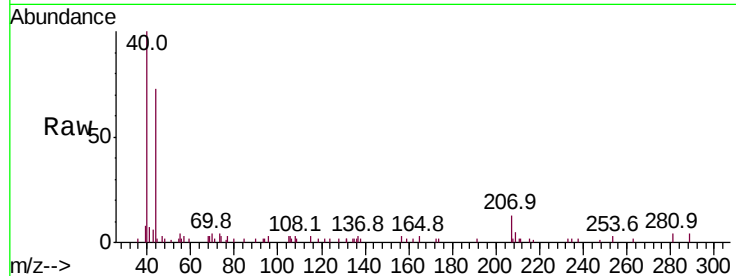
RT-3422

Tot Ion:105 Resp: 235

Ion Ratio Lower Upper

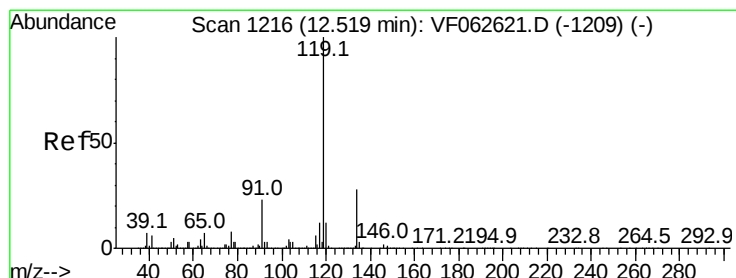
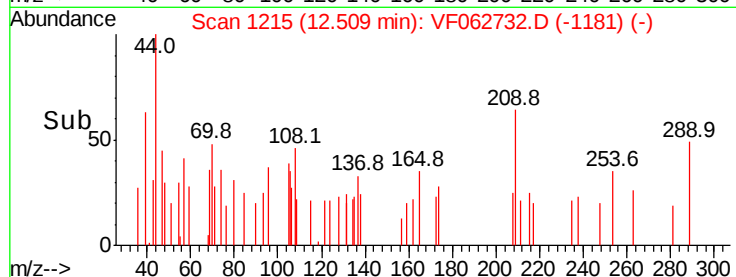
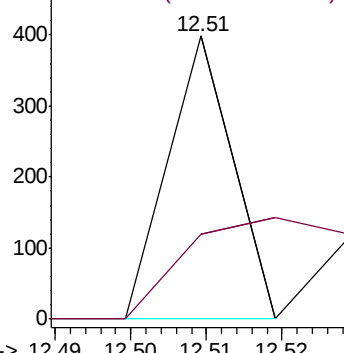
105 100

134 30.2 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 6.658 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.03 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

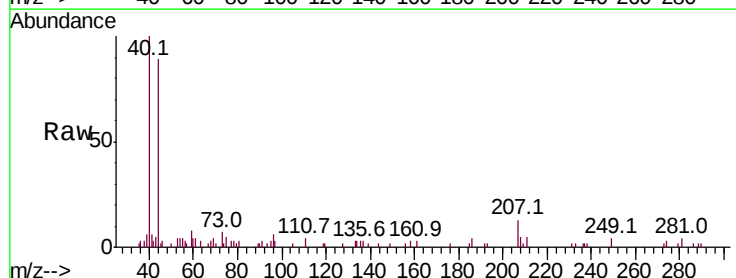
Tgt Ion:119 Resp: 216

Ion Ratio Lower Upper

119 100

134 0.0 14.1 42.3#

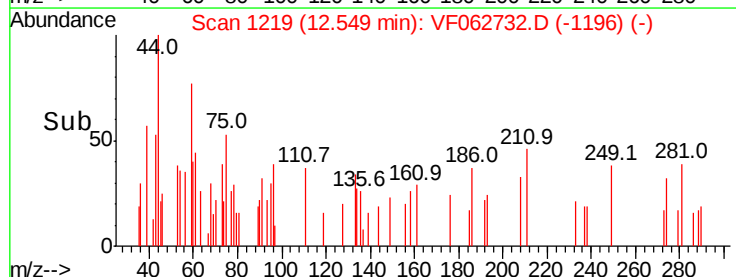
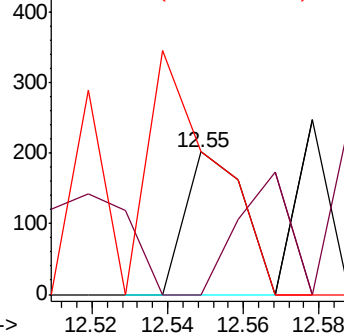
91 100.0 11.4 34.2#

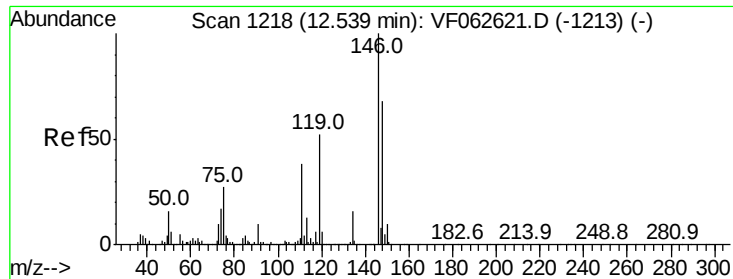


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.540 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.05 min

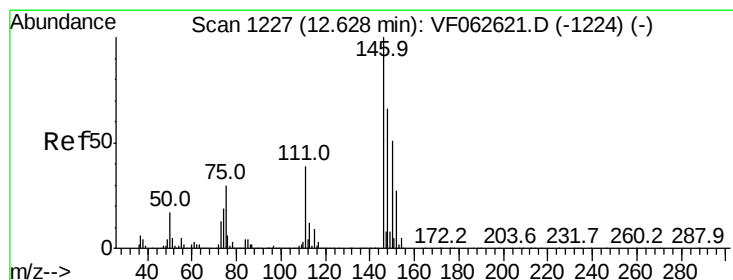
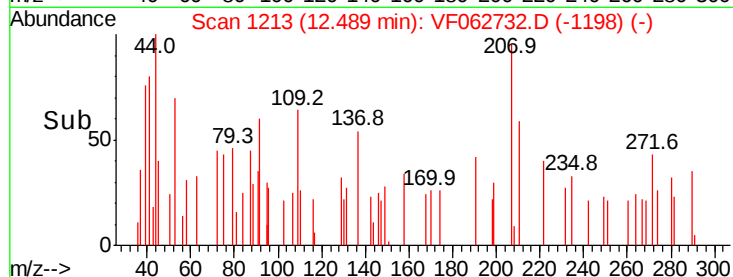
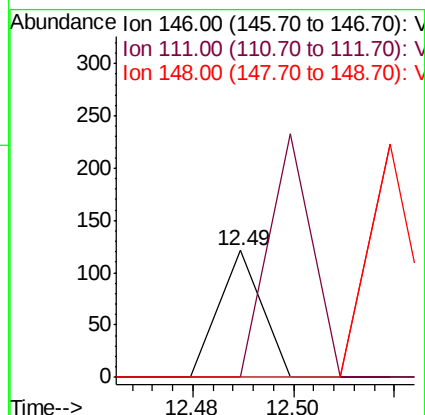
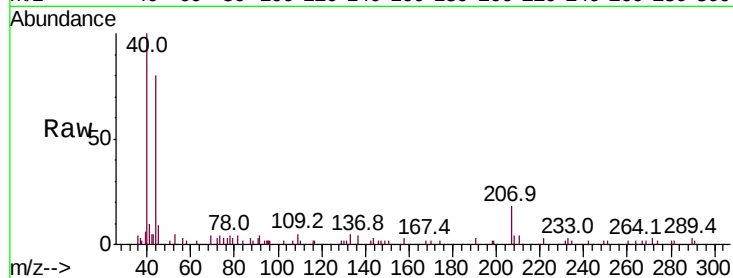
Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :
MSVOA_F
ClientSampled :
RT-3422

Tot Ion:146 Resp: 72

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: 12.432 ug/l

RT: 12.62 min Scan# 1226

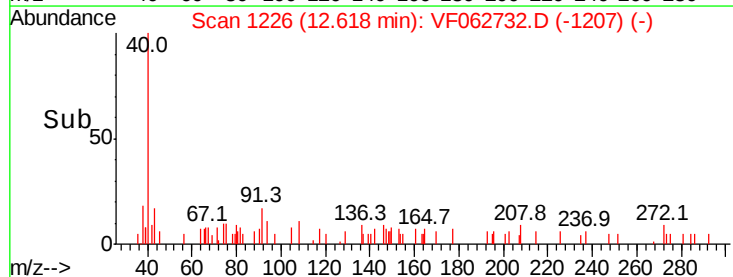
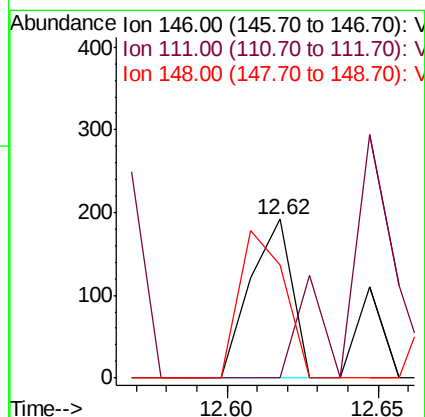
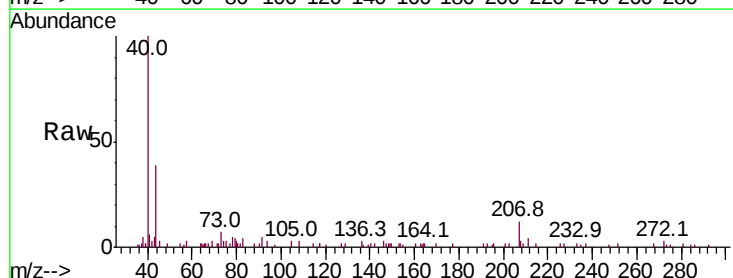
Delta R.T. -0.01 min

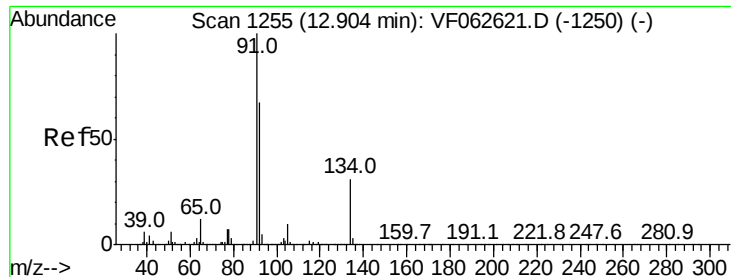
Lab File: VF062732.D

Acq: 23 May 2019 17:42

Tgt Ion:146 Resp: 185

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	70.8	33.2	99.6





#89

n-Butylbenzene

Concen: 9.941 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampleId :

RT-3422

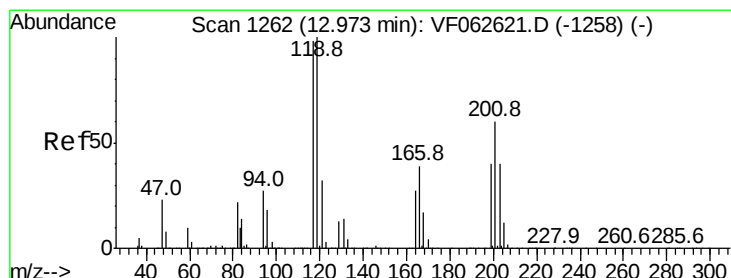
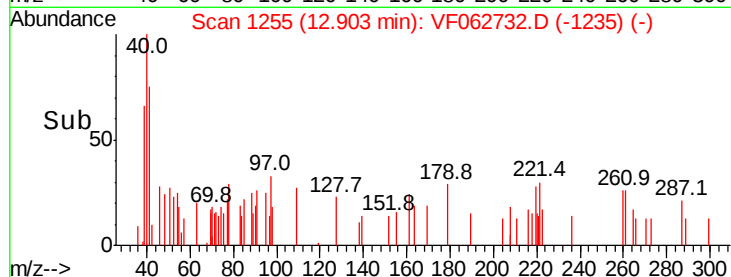
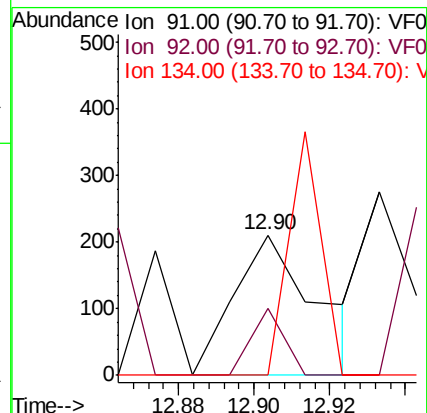
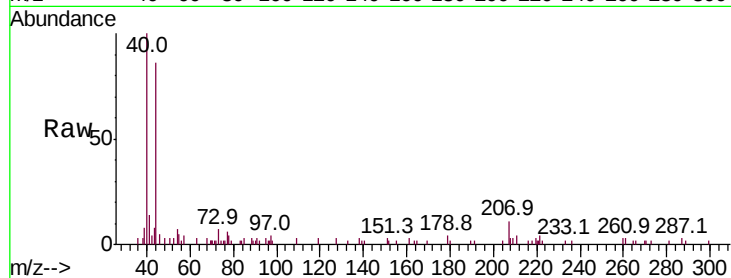
Tot Ion: 91 Resp: 318

Ion Ratio Lower Upper

91 100

92 47.9 33.3 99.8

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 13.620 ug/l

RT: 12.87 min Scan# 1252

Delta R.T. -0.10 min

Lab File: VF062732.D

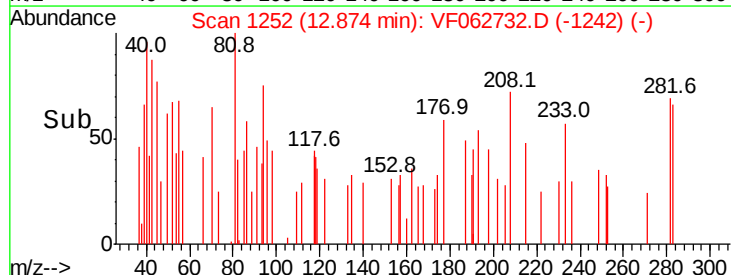
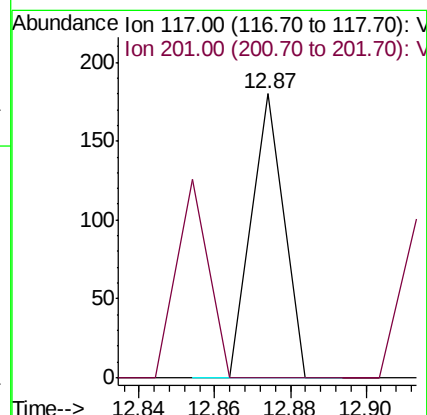
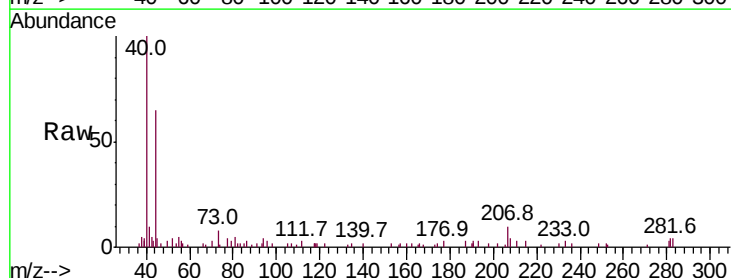
Acq: 23 May 2019 17:42

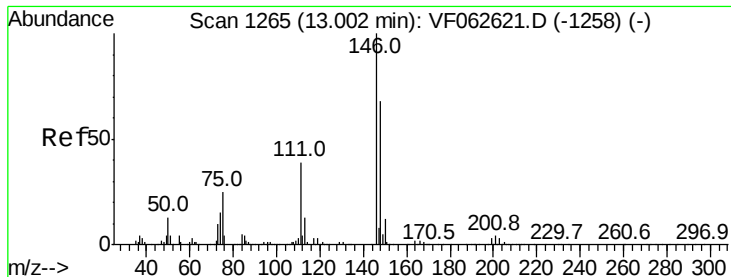
Tgt Ion: 117 Resp: 106

Ion Ratio Lower Upper

117 100

201 70.6 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 6.579 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

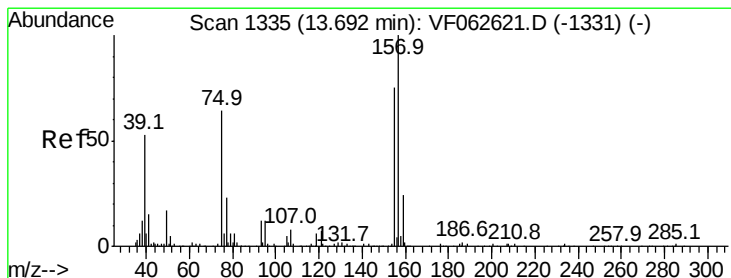
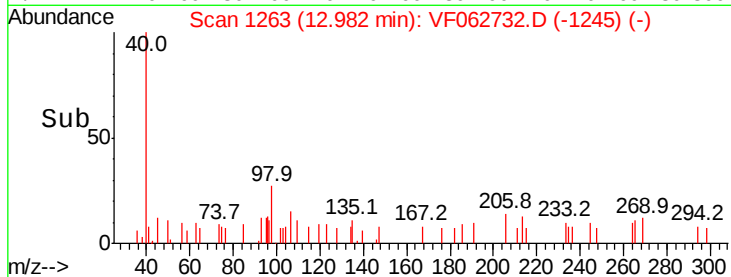
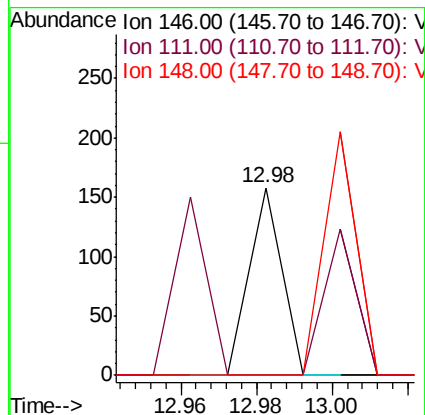
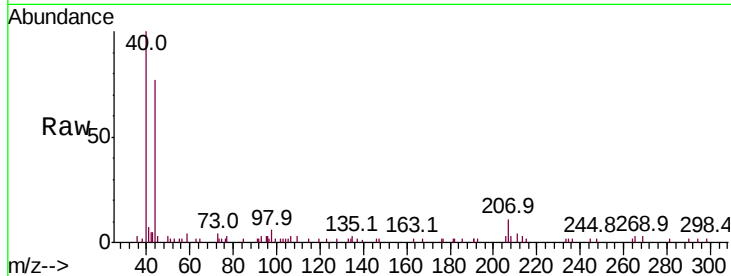
Instrument :

MSVOA_F

ClientSampled :

RT-3422

Tot Ion:	146	Resp:	93
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.3#
148	0.0	34.1	102.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 523.444 ug/l

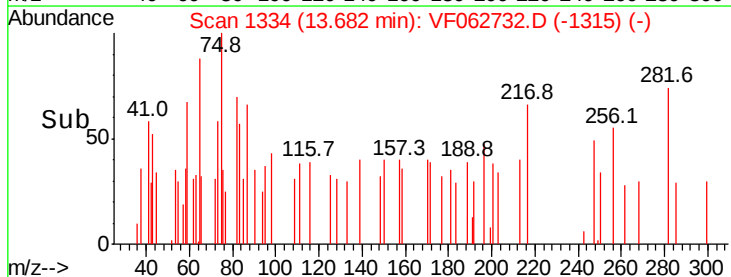
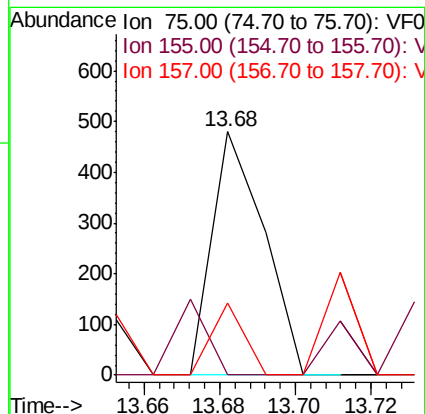
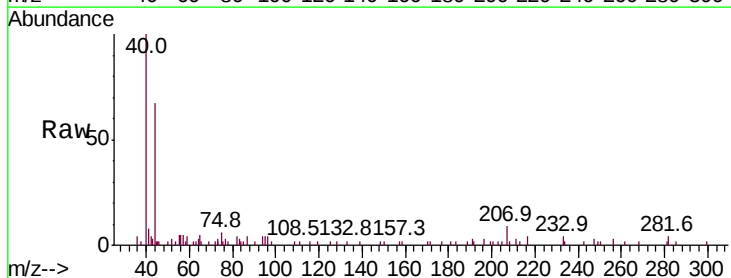
RT: 13.68 min Scan# 1334

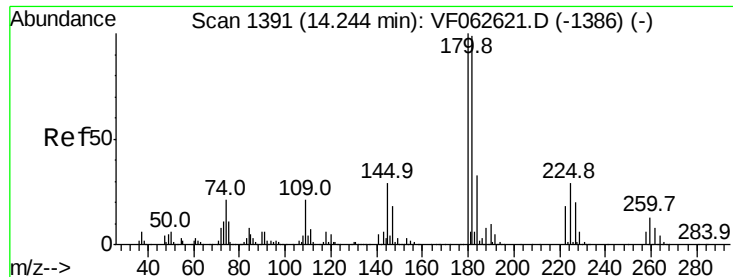
Delta R.T. -0.01 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Tgt Ion:	75	Resp:	450
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	29.6	77.8	233.4#





#93

1,2,4-Trichlorobenzene

Concen: 27.673 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.03 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

RT-3422

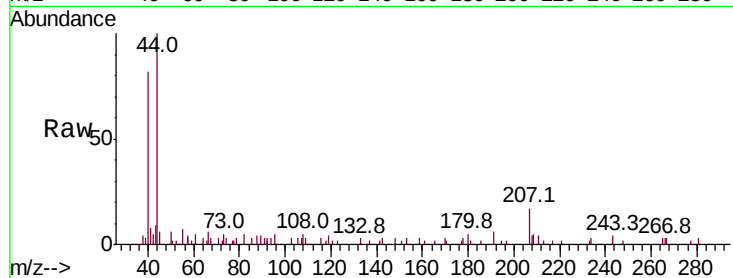
Tot Ion:180 Resp: 280

Ion Ratio Lower Upper

180 100

182 0.0 49.7 149.1#

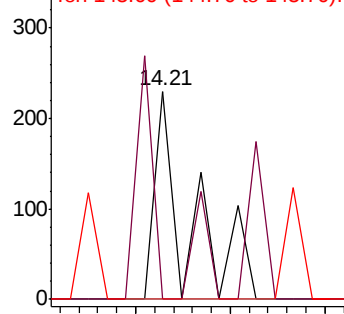
145 0.0 14.6 44.0#



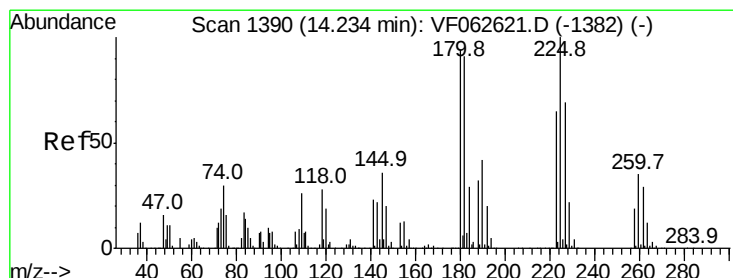
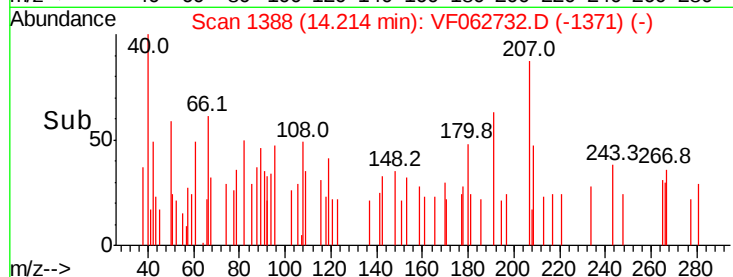
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->



#94

Hexachlorobutadiene

Concen: 9.488 ug/l

RT: 14.13 min Scan# 1379

Delta R.T. -0.11 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

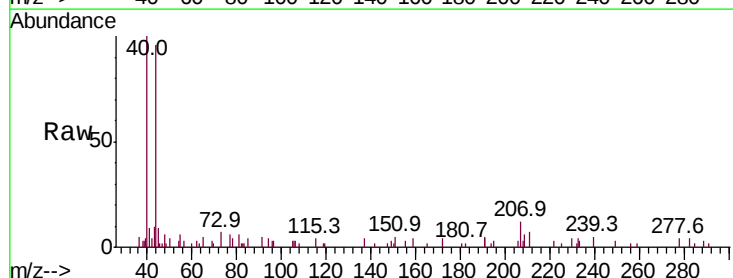
Tgt Ion:225 Resp: 67

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.4#

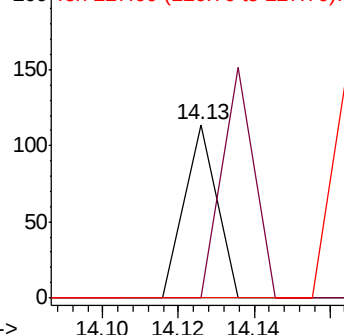
227 0.0 34.5 103.5#



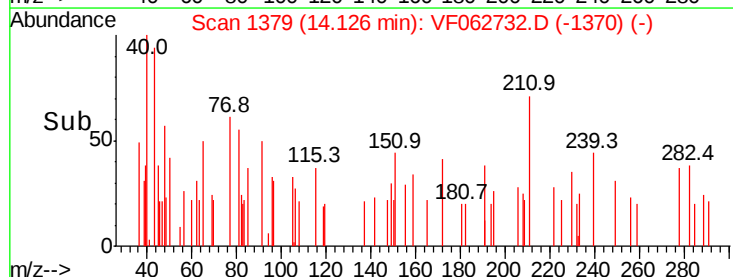
Abundance Ion 225.00 (224.70 to 225.70): V

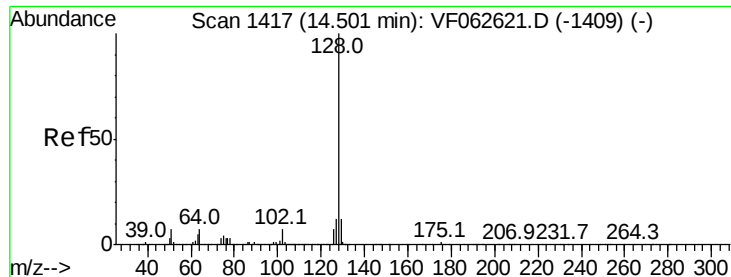
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



Time-->





#95

Naphthalene

Concen: 7.834 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

Instrument :

MSVOA_F

ClientSampled :

RT-3422

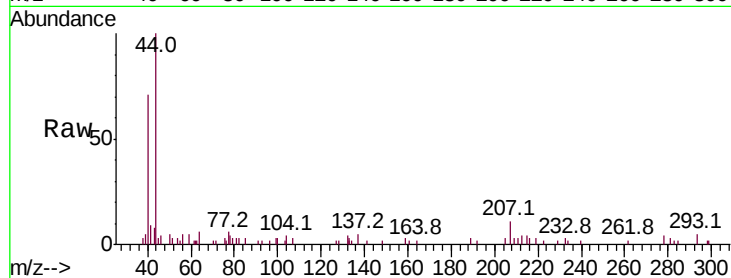
Tot Ion:128 Resp: 144

Ion Ratio Lower Upper

128 100

127 78.8 9.7 14.5#

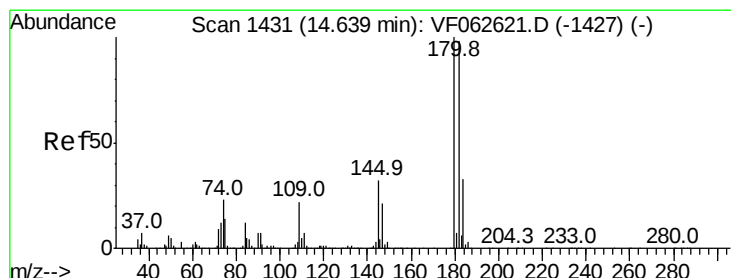
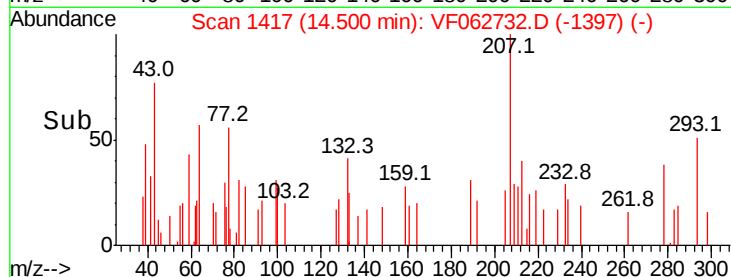
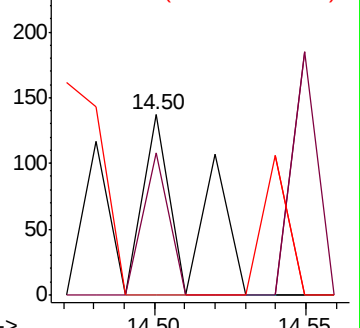
129 0.0 9.3 13.9#



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: 10.330 ug/l

RT: 14.59 min Scan# 1426

Delta R.T. -0.05 min

Lab File: VF062732.D

Acq: 23 May 2019 17:42

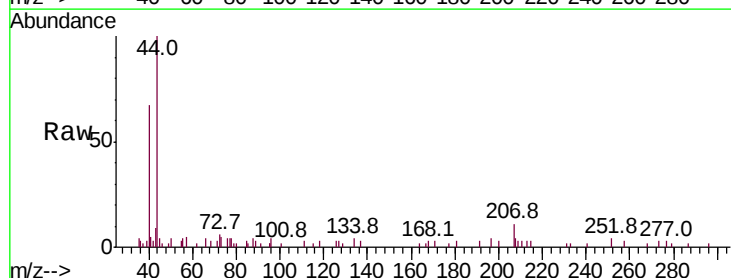
Tgt Ion:180 Resp: 99

Ion Ratio Lower Upper

180 100

182 0.0 48.9 146.7#

145 0.0 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

