

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062611.D
 Acq On : 15 May 2019 16:20
 Operator : FY/SY
 Sample : K2779-03RE
 Misc : 7.14g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050RE

Quant Time: May 16 03:29:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	592	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.81	114	154	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	122	50.00	ug/l	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	648	144.89	ug/l	-0.06
Spiked Amount				50.000		
			Recovery	=	289.78%	
35) Dibromofluoromethane	4.32	113	111	96.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	193.68%	
50) Toluene-d8	7.79	98	153	56.65	ug/l	0.05
Spiked Amount				50.000		
			Recovery	=	113.30%	
62) 4-Bromofluorobenzene	11.50	95	245	259.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	519.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	237	43.727	ug/l	83
3) Chloromethane	1.15	50	115	17.034	ug/l #	1
4) Vinyl Chloride	1.27	62	727	108.196	ug/l	93
5) Bromomethane	1.41	94	876	Below Cal		88
6) Chloroethane	1.47	64	496	194.380	ug/l #	84
7) Trichlorofluoromethane	1.57	101	383	41.601	ug/l #	51
8) Diethyl Ether	1.61	74	195	94.489	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.92	101	66	10.510	ug/l #	23
10) Methyl Iodide	2.01	142	159	14.216	ug/l #	36
11) Tert butyl alcohol	2.70	59	894	3320.166	ug/l #	73
12) 1,1-Dichloroethene	1.89	96	488	90.715	ug/l #	1
13) Acrolein	2.19	56	591	3311.855	ug/l	98
14) Allyl chloride	2.23	41	1020	185.305	ug/l #	55
15) Acrylonitrile	3.10	53	119	123.546	ug/l #	17
16) Acetone	2.28	43	1687	1858.966	ug/l	93
17) Carbon Disulfide	1.94	76	283	21.666	ug/l #	1
18) Methyl Acetate	2.35	43	1281	757.645	ug/l	91
19) Methyl tert-butyl Ether	2.54	73	297	31.008	ug/l #	24
20) Methylene Chloride	2.29	84	229	39.145	ug/l #	37
21) trans-1,2-Dichloroethene	2.45	96	491	90.568	ug/l #	10
22) Diisopropyl ether	2.93	45	542	42.349	ug/l #	42
23) Vinyl Acetate	3.37	43	399	56.997	ug/l #	75
24) 1,1-Dichloroethane	3.00	63	132	13.549	ug/l #	86
25) 2-Butanone	4.49	43	1002	488.392	ug/l	96
26) 2,2-Dichloropropane	3.82	77	1023	194.557	ug/l	92
27) cis-1,2-Dichloroethene	3.68	96	867	113.193	ug/l	1
28) Bromochloromethane	3.77	49	310	56.605	ug/l	91
29) Tetrahydrofuran	4.29	42	191	219.997	ug/l #	1
30) Chloroform	4.04	83	890	76.129	ug/l #	20
31) Cyclohexane	3.89	56	604	59.482	ug/l #	54
32) 1,1,1-Trichloroethane	4.31	97	96	12.183	ug/l #	48
36) 1,1-Dichloropropene	4.50	75	351	263.403	ug/l #	62
37) Ethyl Acetate	4.32	43	709	1294.742	ug/l #	23
38) Carbon Tetrachloride	4.28	117	61	55.803	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	438	280.732	ug/l #	60
40) Benzene	4.86	78	1317	347.400	ug/l	99
41) Methacrylonitrile	4.94	41	1010	3257.055	ug/l #	38
42) 1,2-Dichloroethane	5.18	62	127	157.868	ug/l	71
43) Isopropyl Acetate	7.15	43	930	1435.198	ug/l #	57
44) Trichloroethene	5.68	130	105	102.559	ug/l	3
45) 1,2-Dichloropropane	6.46	63	369	386.697	ug/l #	42
46) Dibromomethane	6.32	93	74	138.707	ug/l #	5
47) Bromodichloromethane	6.60	83	129	112.478	ug/l #	22
48) Methyl methacrylate	6.89	41	476	1342.007	ug/l #	37
49) 1,4-Dioxane	6.88	88	276	59049.517	ug/l #	1
51) 4-Methyl-2-Pentanone	8.45	43	1041	2192.478	ug/l #	34
52) Toluene	7.83	92	296	155.542	ug/l #	1
53) t-1,3-Dichloropropene	8.47	75	550	607.025	ug/l #	78
54) cis-1,3-Dichloropropene	7.46	75	797	622.469	ug/l #	1
55) 1,1,2-Trichloroethane	8.65	97	457	802.049	ug/l #	14
56) Ethyl methacrylate	8.76	69	538	861.495	ug/l #	74
57) 1,3-Dichloropropane	9.05	76	244	259.455	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.46	63	258	1320.383	ug/l #	43
59) 2-Hexanone	9.49	43	201	640.979	ug/l	62
60) Dibromochloromethane	8.96	129	481	664.418	ug/l	61
61) 1,2-Dibromoethane	9.13	107	70	122.490	ug/l #	54
64) Tetrachloroethene	8.32	164	96	101.594	ug/l #	21
65) Chlorobenzene	9.98	112	64	25.743	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.21	131	159	155.709	ug/l	73
67) Ethyl Benzene	10.03	91	174	39.393	ug/l #	1
68) m/p-Xylenes	10.32	106	83	53.016	ug/l #	43
69) o-Xylene	10.77	106	199	121.171	ug/l	41
70) Styrene	10.92	104	66	26.448	ug/l #	1
71) Bromoform	10.85	173	338	703.001	ug/l	82
73) Isopropylbenzene	11.25	105	284	34.622	ug/l #	48
74) N-amyl acetate	11.46	43	792	397.637	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.81	83	451	268.374	ug/l #	25
76) 1,2,3-Trichloropropane	11.98	75	323	299.813	ug/l	81
77) Bromobenzene	11.62	156	177	95.484	ug/l #	46
78) n-propylbenzene	11.72	91	216	22.138	ug/l #	1
79) 2-Chlorotoluene	11.77	91	265	49.214	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.89	105	151	23.516	ug/l #	25
81) trans-1,4-Dichloro-2-buten	11.94	75	281	611.944	ug/l #	1
82) 4-Chlorotoluene	11.99	91	489	92.877	ug/l #	40
83) tert-Butylbenzene	12.22	119	506	75.335	ug/l	74
84) 1,2,4-Trimethylbenzene	12.41	105	162	25.684	ug/l	65
85) sec-Butylbenzene	12.41	105	162	17.765	ug/l #	1
86) p-Isopropyltoluene	12.54	119	114	15.187	ug/l #	51
87) 1,3-Dichlorobenzene	12.55	146	102	28.133	ug/l #	23
88) 1,4-Dichlorobenzene	12.63	146	263	77.327	ug/l #	23
89) n-Butylbenzene	12.92	91	60	7.853	ug/l #	1
90) Hexachloroethane	12.96	117	63	32.765	ug/l #	21
91) 1,2-Dichlorobenzene	13.01	146	69	21.452	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.68	75	130	629.779	ug/l #	1

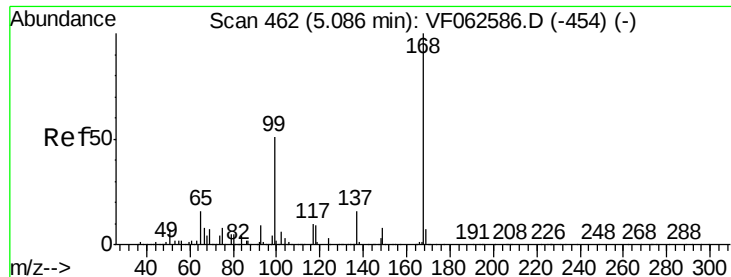
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	171	76.452	ug/l #	12
94) Hexachlorobutadiene	14.28	225	143	88.011	ug/l #	19
95) Naphthalene	14.50	128	83	22.799	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.75	180	71	34.217	ug/l #	81

(#) = 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. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

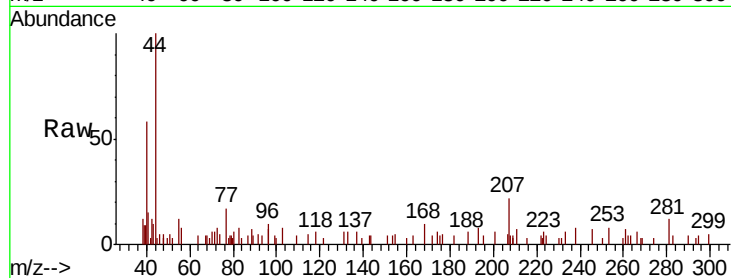
RBR-200050RE

Tot Ion:168 Resp: 592

Ion Ratio Lower Upper

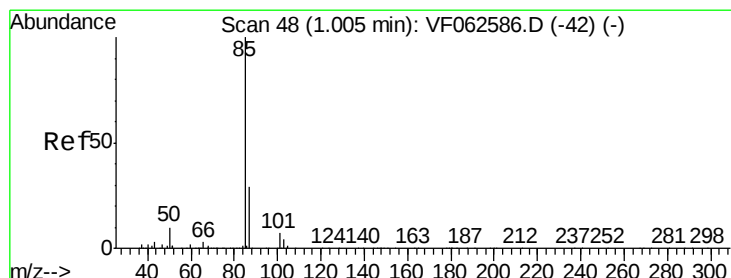
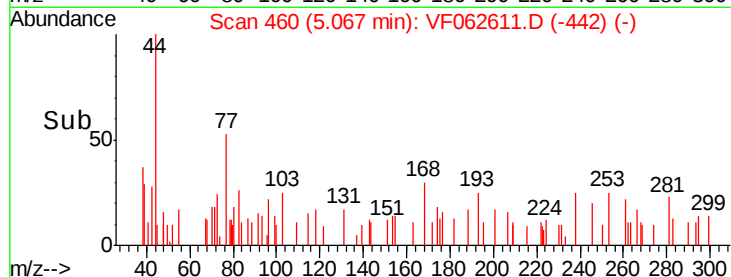
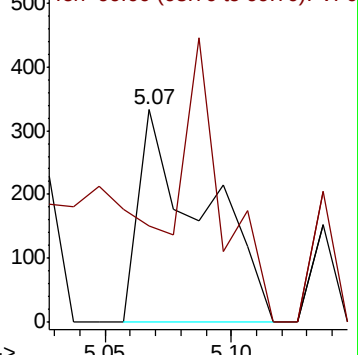
168 100

99 45.3 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 43.727 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062611.D

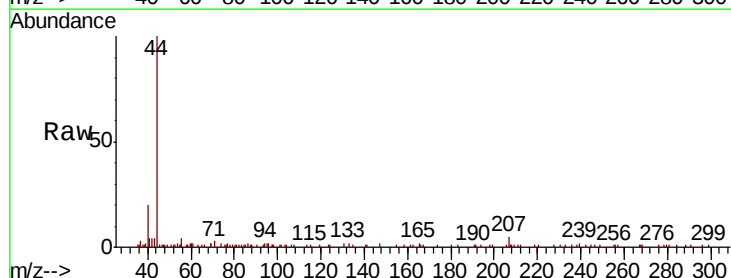
Acq: 15 May 2019 16:20

Tgt Ion: 85 Resp: 237

Ion Ratio Lower Upper

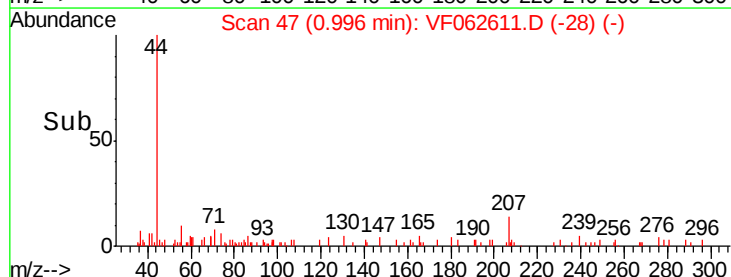
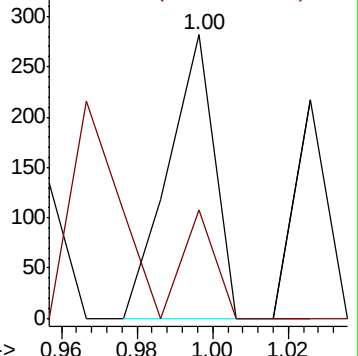
85 100

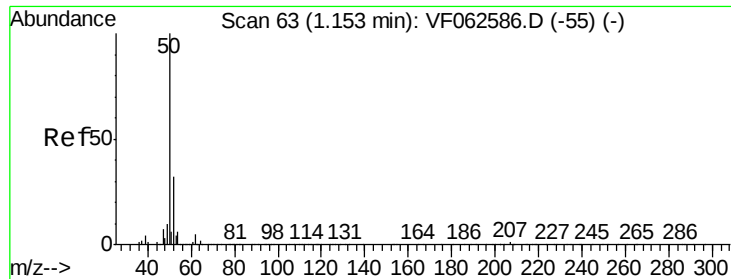
87 38.3 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 17.034 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

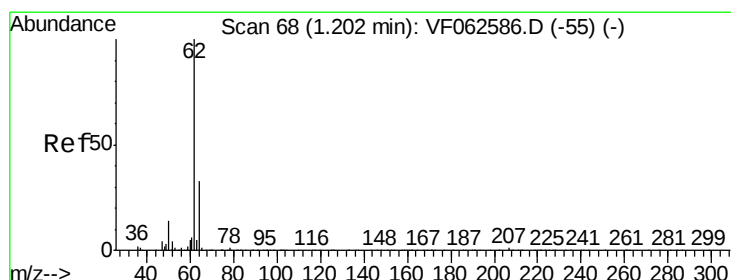
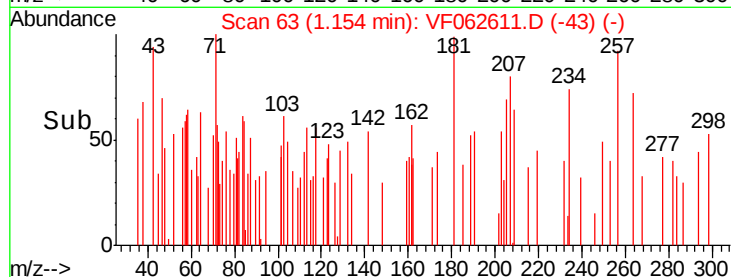
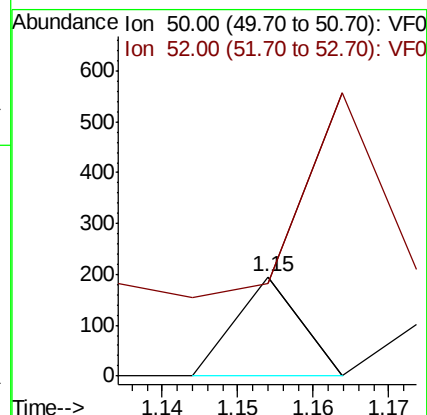
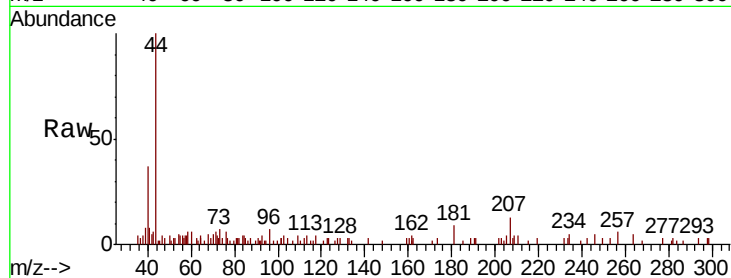
RBR-200050RE

Tot Ion: 50 Resp: 115

Ion Ratio Lower Upper

50 100

52 93.3 25.3 37.9#



#4

Vinyl Chloride

Concen: 108.196 ug/l

RT: 1.27 min Scan# 75

Delta R.T. 0.07 min

Lab File: VF062611.D

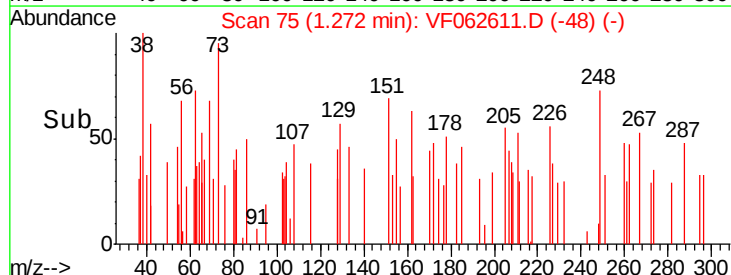
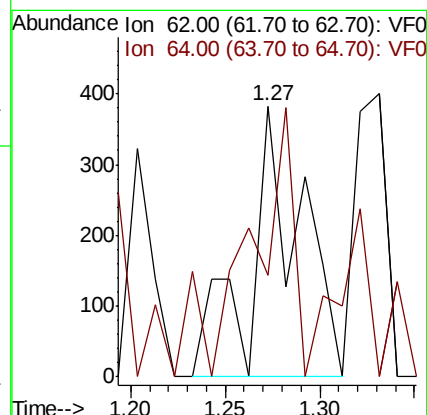
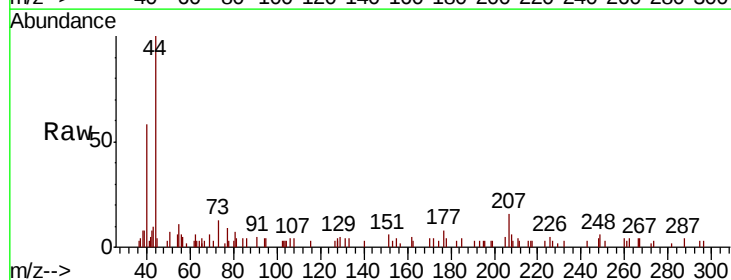
Acq: 15 May 2019 16:20

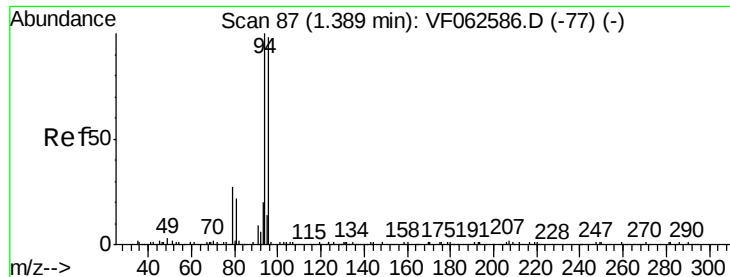
Tgt Ion: 62 Resp: 727

Ion Ratio Lower Upper

62 100

64 37.3 26.5 39.7





#5

Bromomethane

Concen: Below Cal

RT: 1.41 min Scan# 89

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

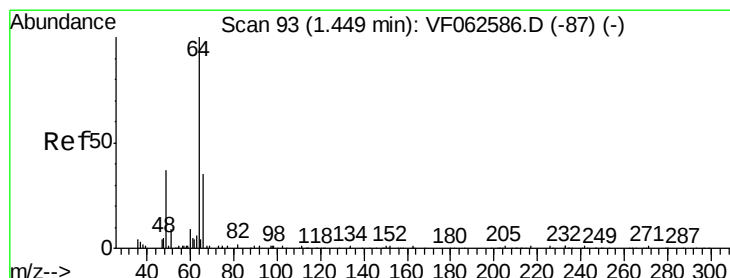
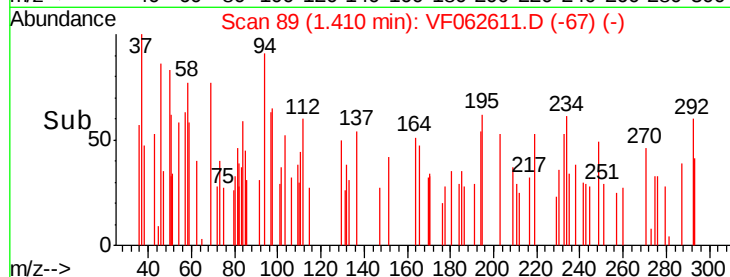
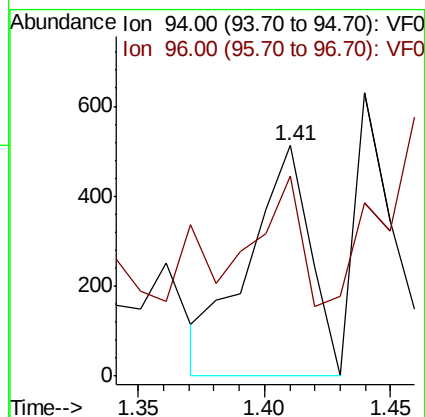
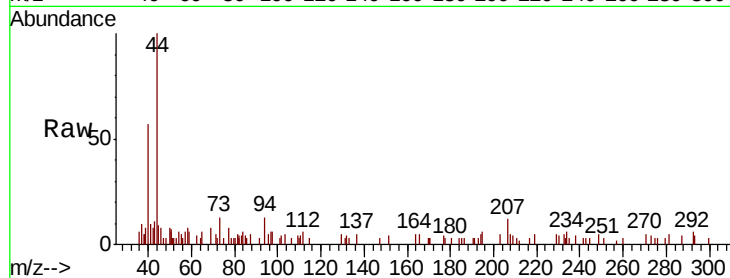
RBR-200050RE

Tot Ion: 94 Resp: 876

Ion Ratio Lower Upper

94 100

96 86.7 79.3 118.9



#6

Chloroethane

Concen: 194.380 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.02 min

Lab File: VF062611.D

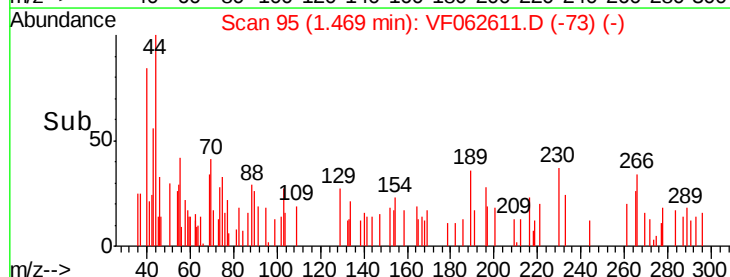
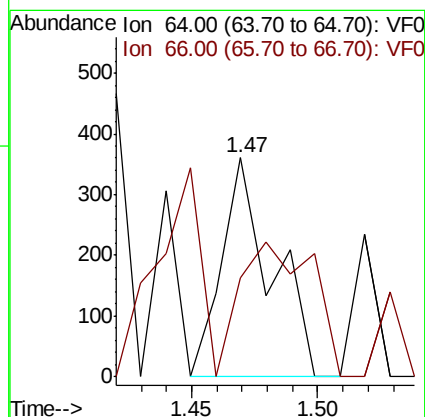
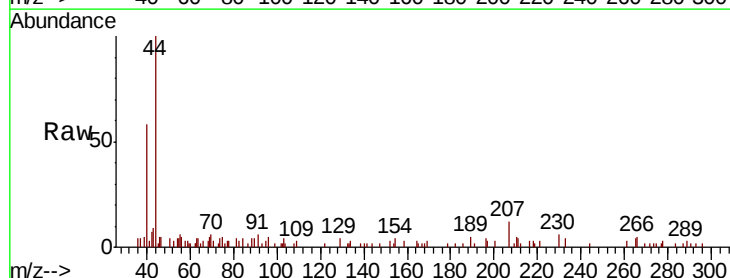
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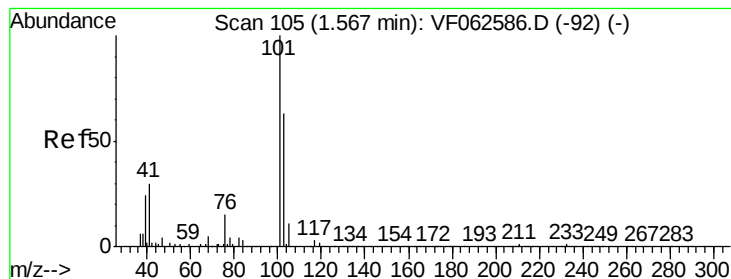
Tgt Ion: 64 Resp: 496

Ion Ratio Lower Upper

64 100

66 45.3 28.9 43.3#



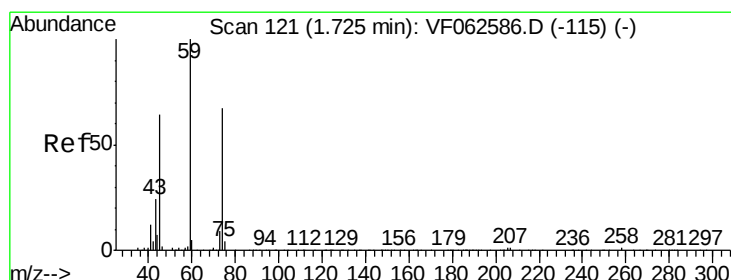
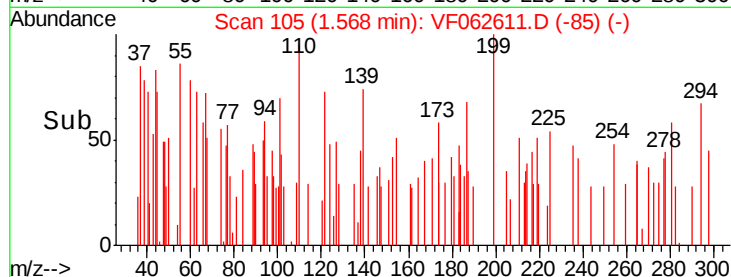
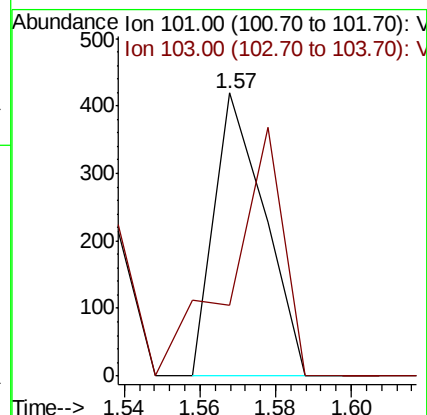
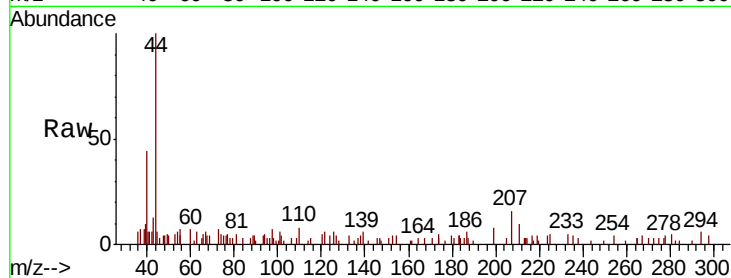


#7

Trichlorofluoromethane
Concen: 41.601 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

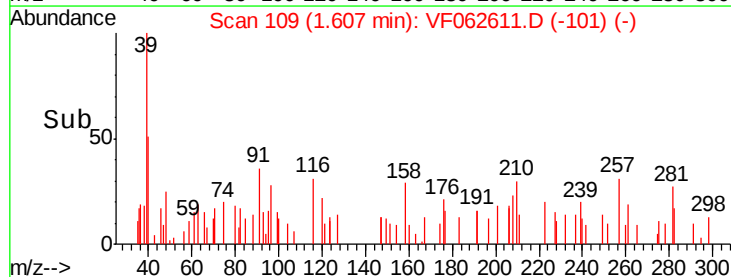
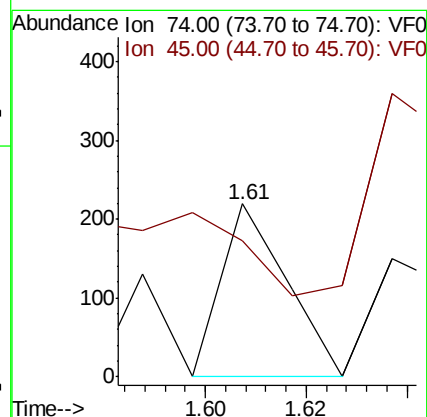
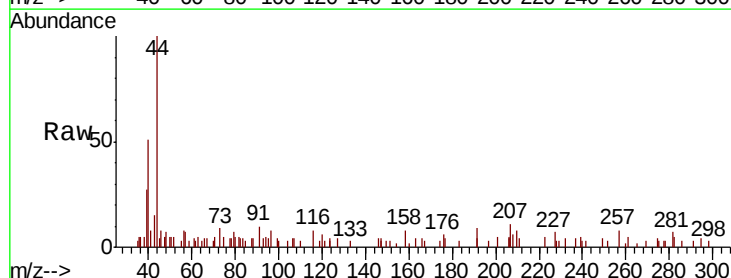
Tot Ion:101 Resp: 383
Ion Ratio Lower Upper
101 100
103 25.1 50.8 76.2#

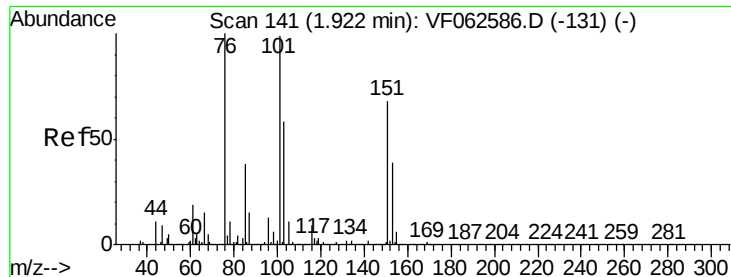


#8

Diethyl Ether
Concen: 94.489 ug/l
RT: 1.61 min Scan# 109
Delta R.T. -0.12 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 74 Resp: 195
Ion Ratio Lower Upper
74 100
45 78.5 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.510 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

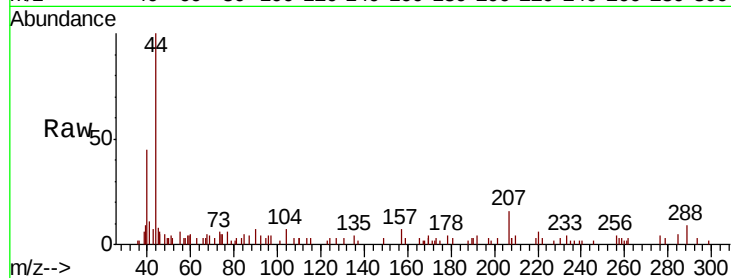
Tot Ion:101 Resp: 66

Ion Ratio Lower Upper

101 100

85 0.0 30.2 45.4#

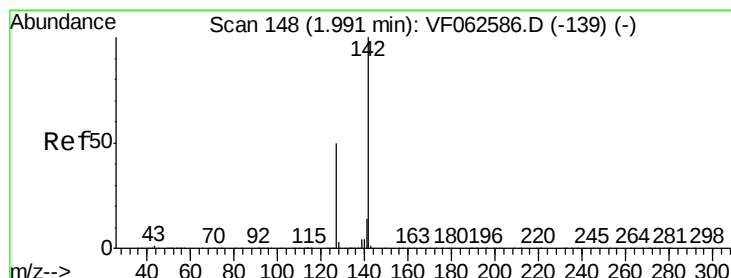
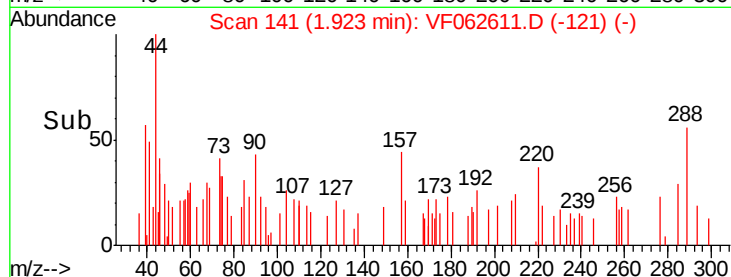
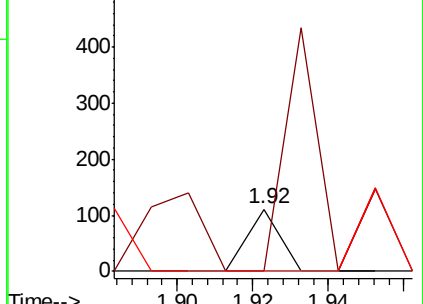
151 0.0 54.5 81.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 14.216 ug/l

RT: 2.01 min Scan# 150

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

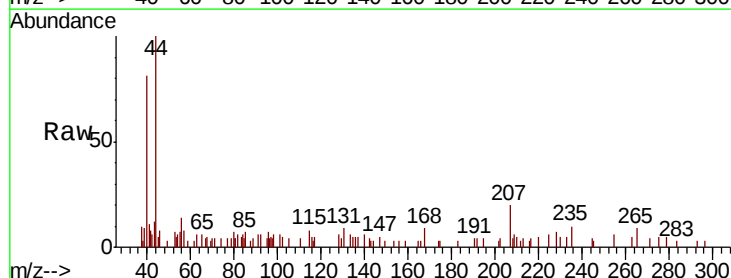
Tgt Ion:142 Resp: 159

Ion Ratio Lower Upper

142 100

127 0.0 40.2 60.4#

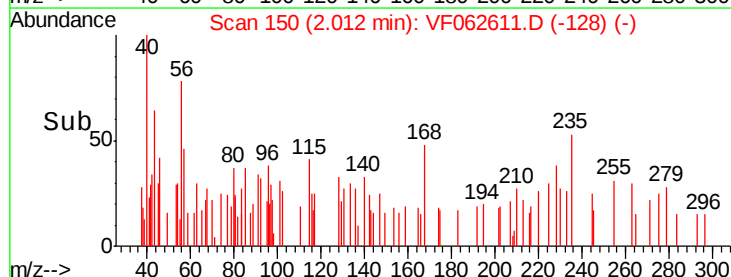
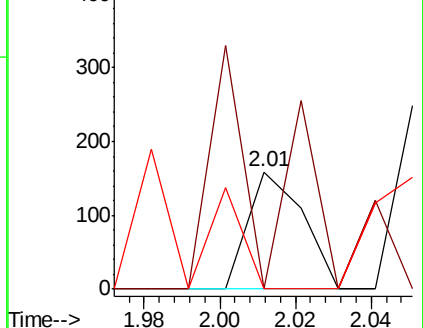
141 0.0 11.6 17.4#

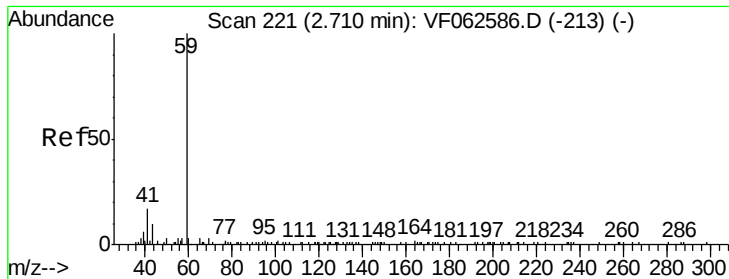


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

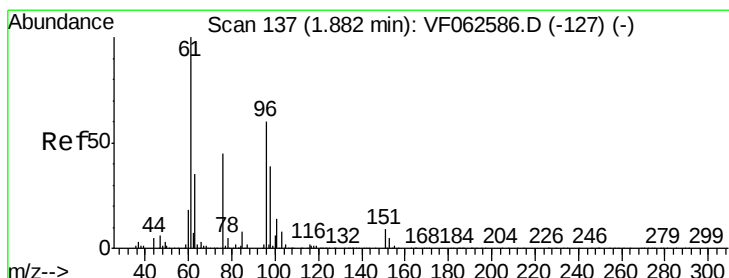
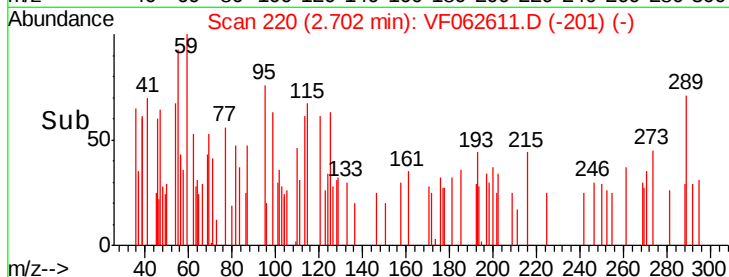
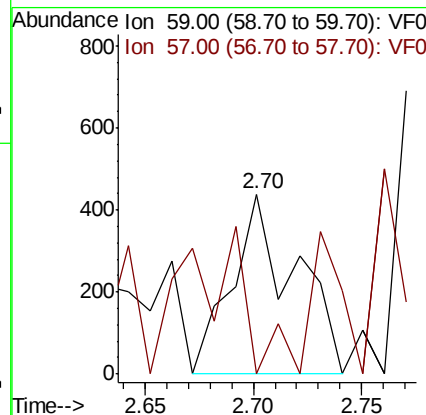
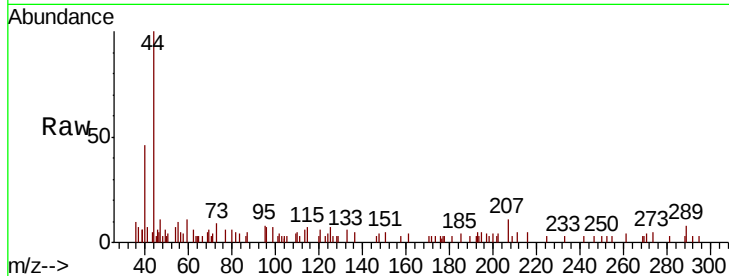




#11
Tert butyl alcohol
Concen: 3320.166 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

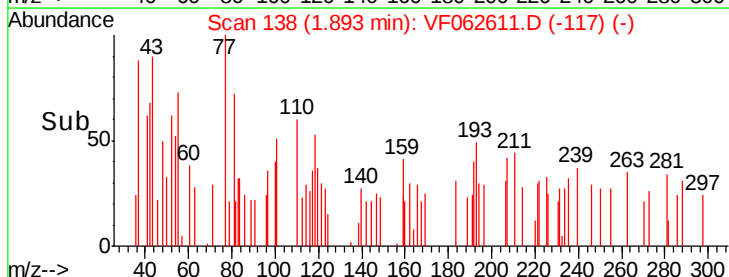
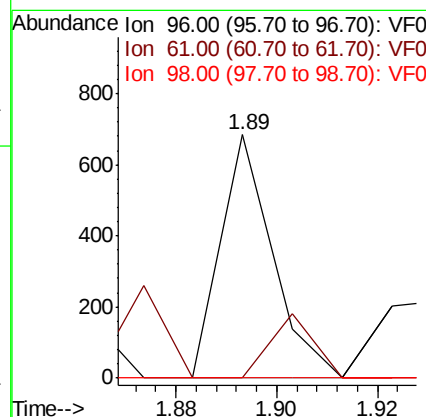
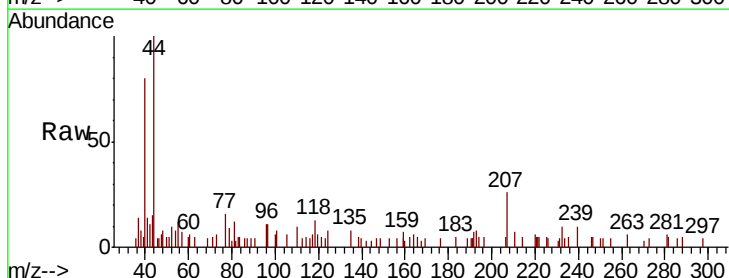
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

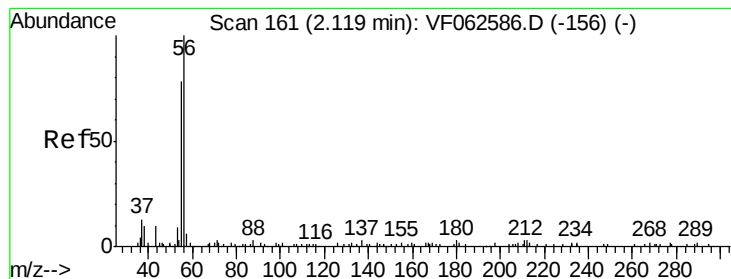
Tot Ion: 59 Resp: 894
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 90.715 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 96 Resp: 488
Ion Ratio Lower Upper
96 100
61 0.0 132.0 198.0#
98 0.0 51.3 76.9#





#13

Acrolein

Concen: 3311.855 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.07 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

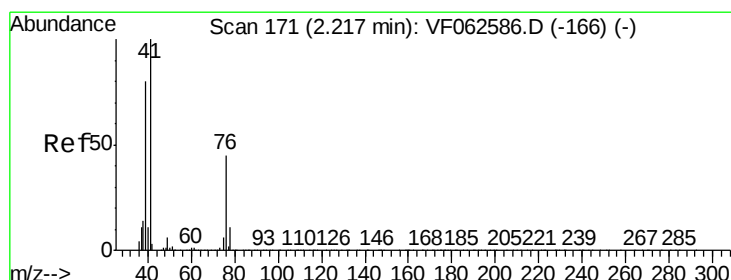
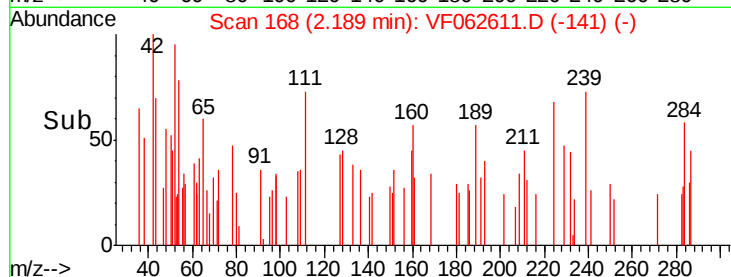
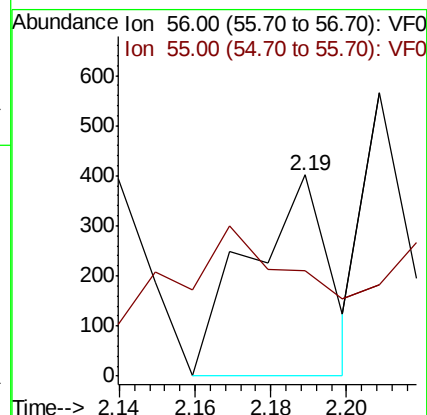
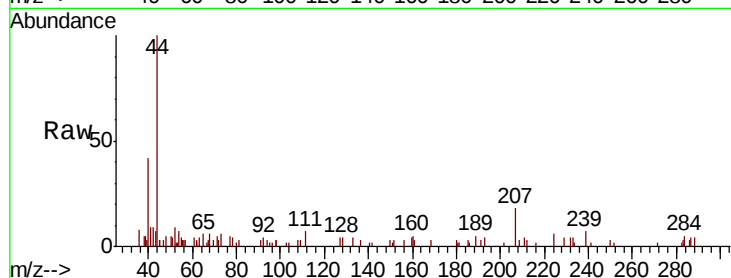
RBR-200050RE

Tot Ion: 56 Resp: 591

Ion Ratio Lower Upper

56 100

55 82.3 64.6 96.8



#14

Allyl chloride

Concen: 185.305 ug/l

RT: 2.23 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

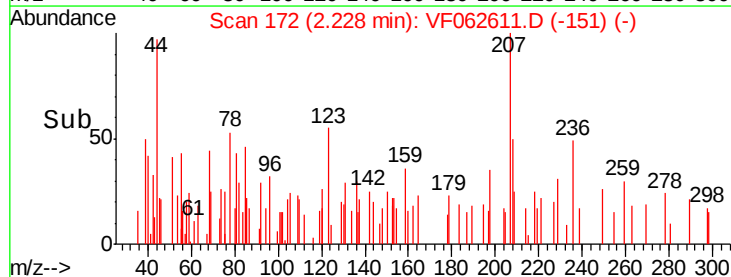
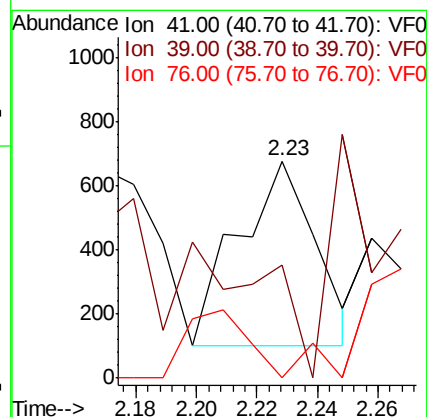
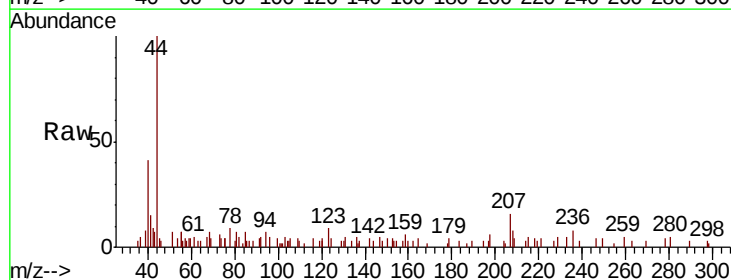
Tgt Ion: 41 Resp: 1020

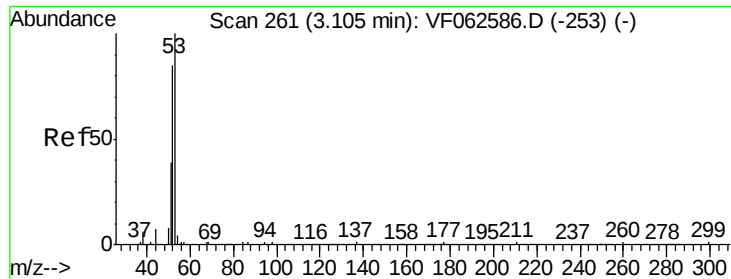
Ion Ratio Lower Upper

41 100

39 52.3 64.6 96.8#

76 0.0 36.1 54.1#





#15

Acrylonitrile

Concen: 123.546 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

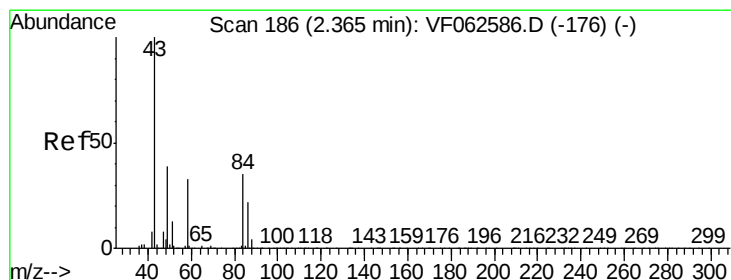
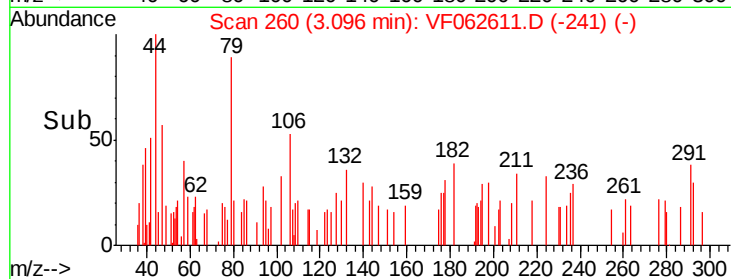
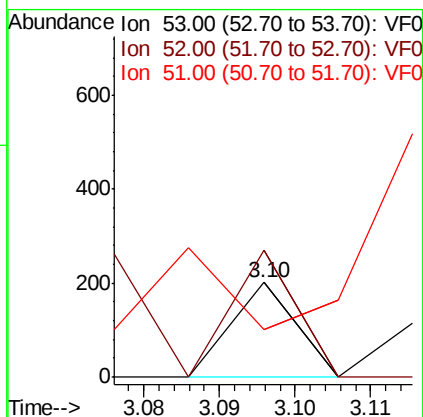
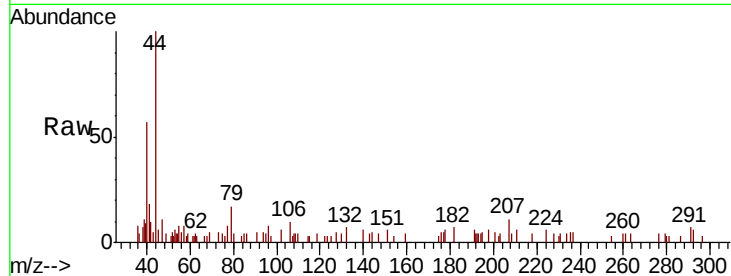
Tot Ion: 53 Resp: 119

Ion Ratio Lower Upper

53 100

52 134.3 68.3 102.5#

51 129.9 31.5 47.3#



#16

Acetone

Concen: 1858.966 ug/l

RT: 2.28 min Scan# 177

Delta R.T. -0.09 min

Lab File: VF062611.D

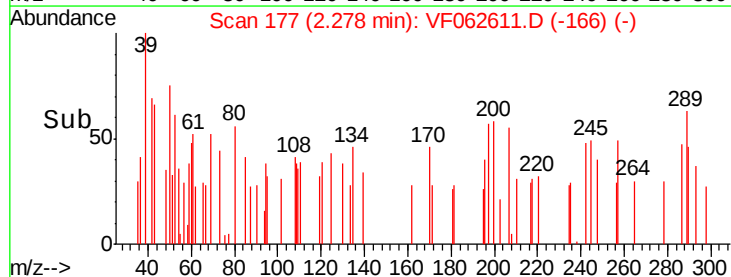
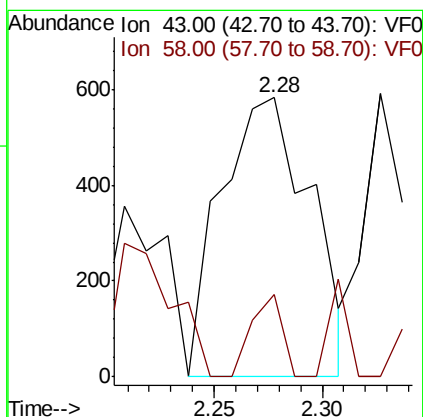
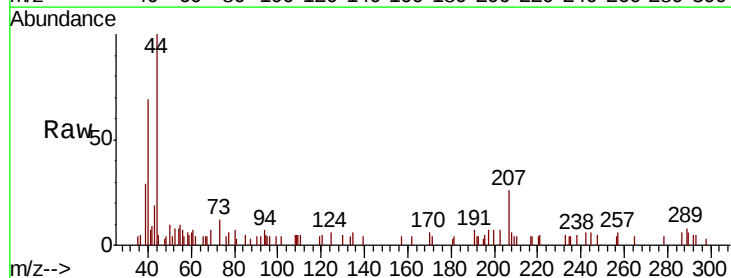
Acq: 15 May 2019 16:20

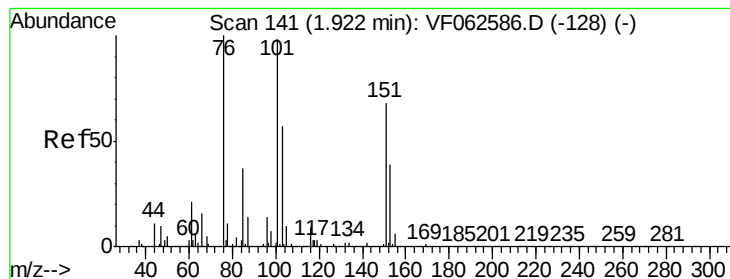
Tgt Ion: 43 Resp: 1687

Ion Ratio Lower Upper

43 100

58 29.7 26.7 40.1





#17

Carbon Disulfide

Concen: 21.666 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

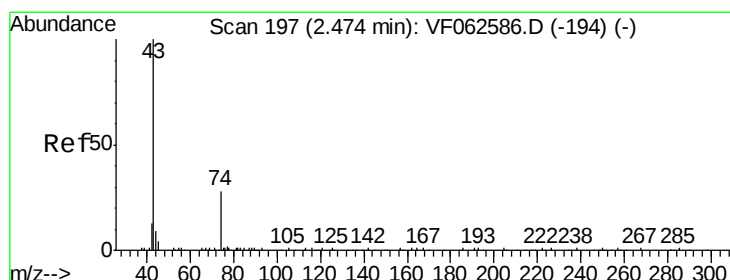
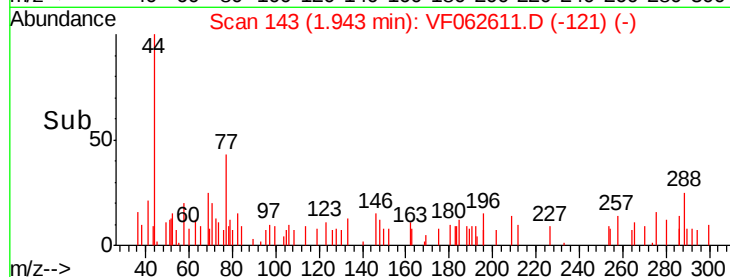
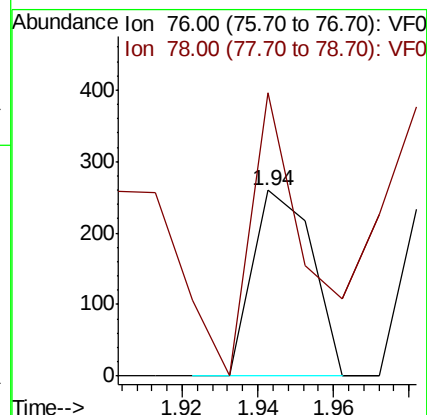
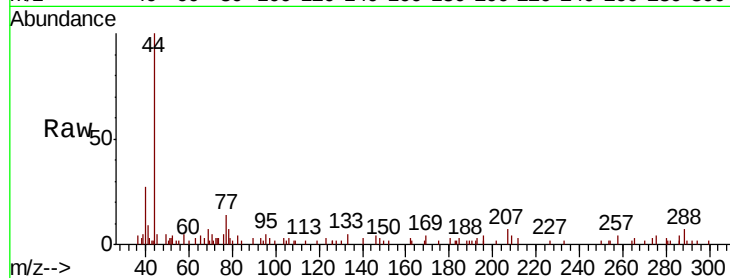
RBR-200050RE

Tot Ion: 76 Resp: 283

Ion Ratio Lower Upper

76 100

78 152.3 9.0 13.4#



#18

Methyl Acetate

Concen: 757.645 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.13 min

Lab File: VF062611.D

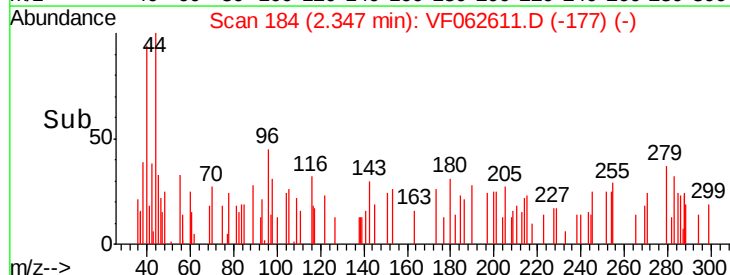
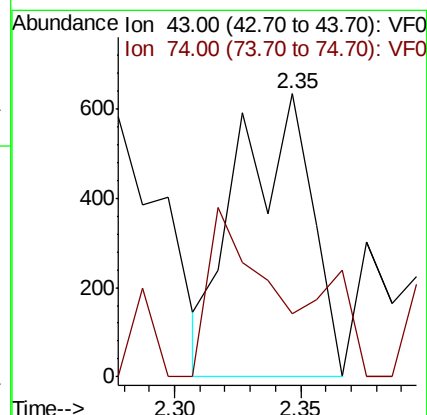
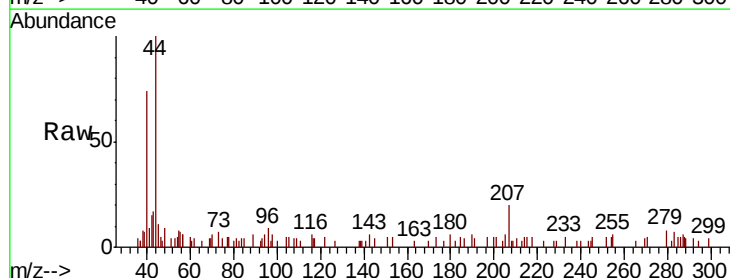
Acq: 15 May 2019 16:20

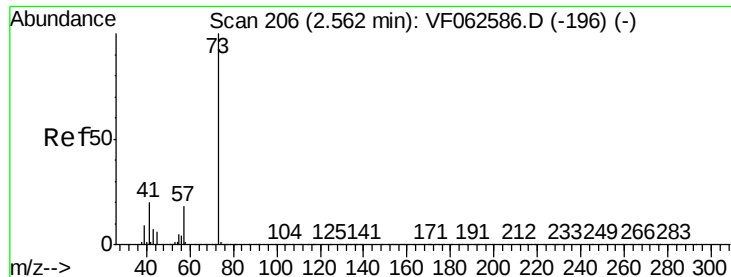
Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

43 100

74 22.3 21.4 32.0



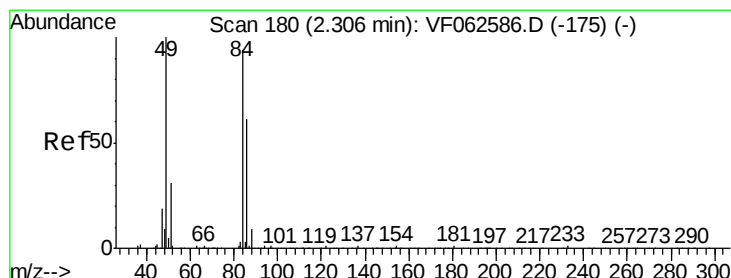
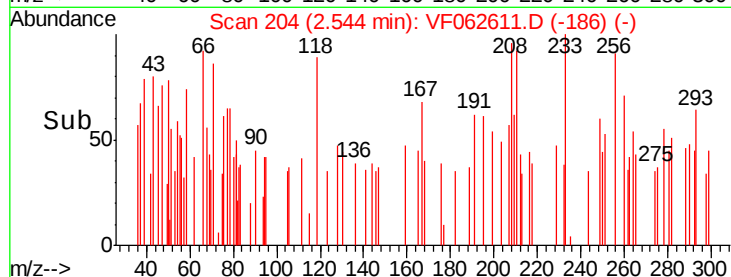
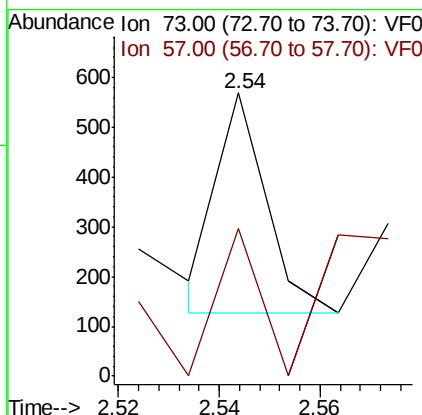
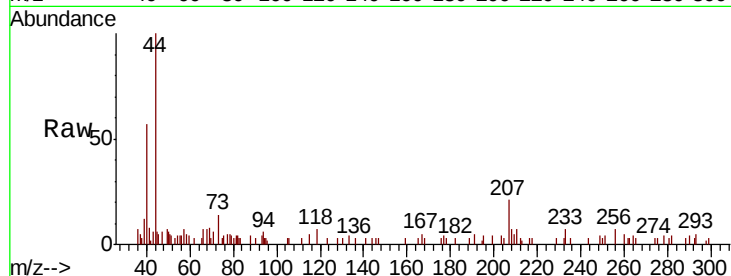


#19

Methyl tert-butyl Ether
 Concen: 31.008 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.02 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050RE

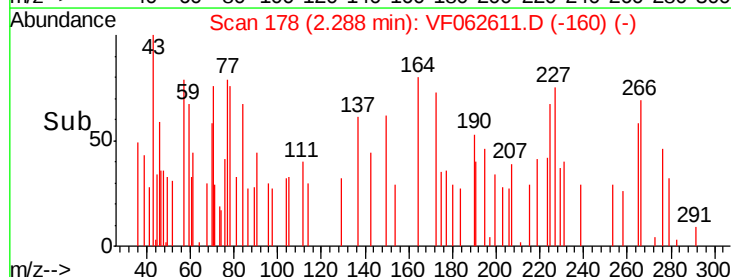
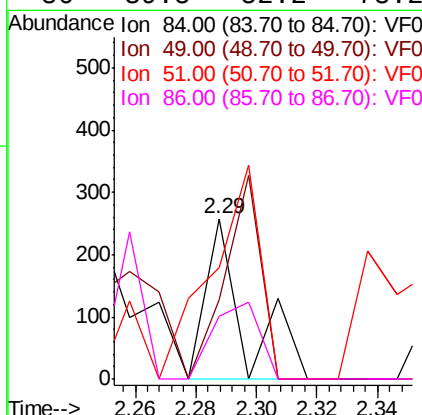
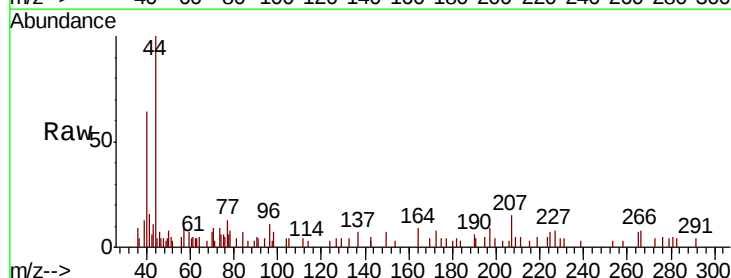
Tot Ion: 73 Resp: 297
 Ion Ratio Lower Upper
 73 100
 57 52.1 14.6 22.0#

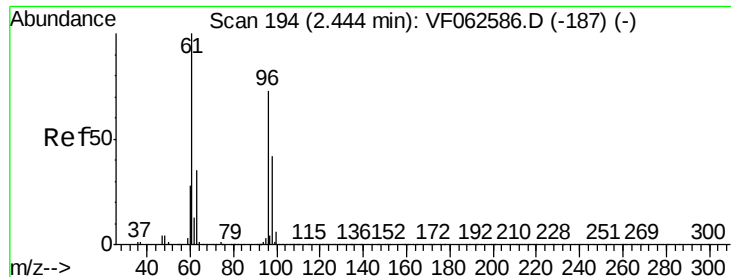


#20

Methylene Chloride
 Concen: 39.145 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. -0.02 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Tgt Ion: 84 Resp: 229
 Ion Ratio Lower Upper
 84 100
 49 49.6 86.9 130.3#
 51 115.9 27.0 40.6#
 86 39.5 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 90.568 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

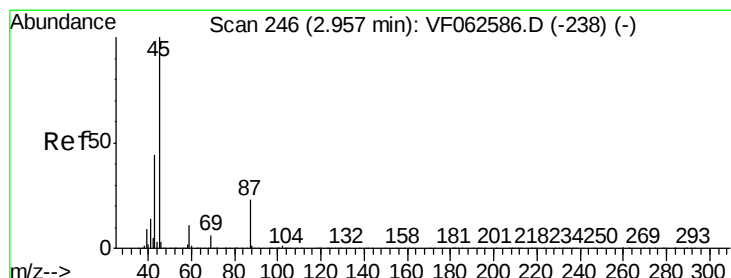
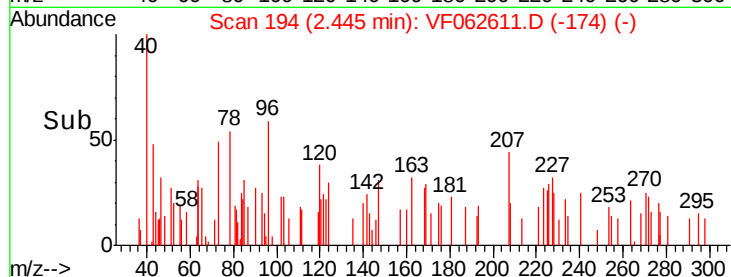
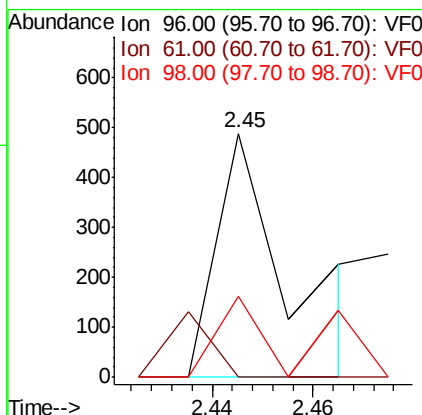
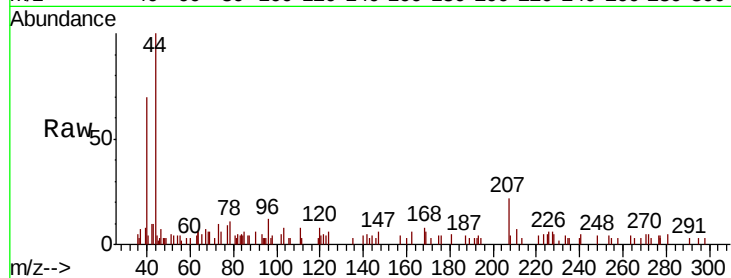
Tot Ion: 96 Resp: 491

Ion Ratio Lower Upper

96 100

61 0.0 109.2 163.8#

98 33.4 46.3 69.5#



#22

Diisopropyl ether

Concen: 42.349 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Tgt Ion: 45 Resp: 542

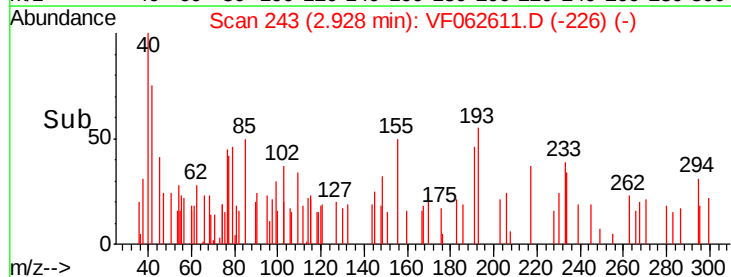
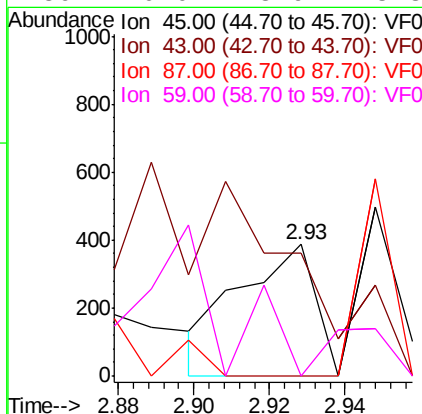
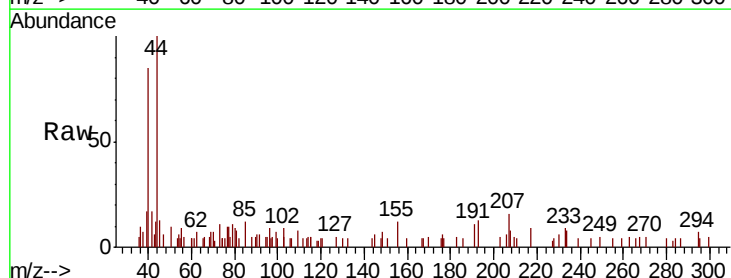
Ion Ratio Lower Upper

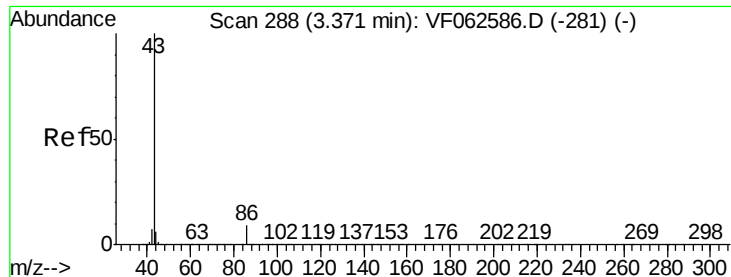
45 100

43 93.3 35.4 53.0#

87 40.6 18.4 27.6#

59 0.0 8.9 13.3#





#23

Vinyl Acetate

Concen: 56.997 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleID :

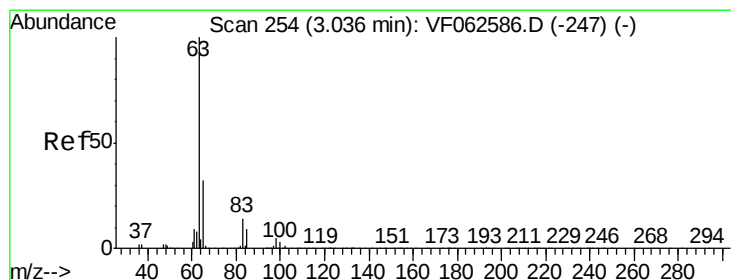
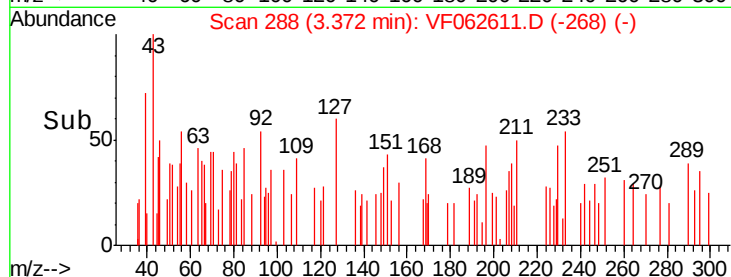
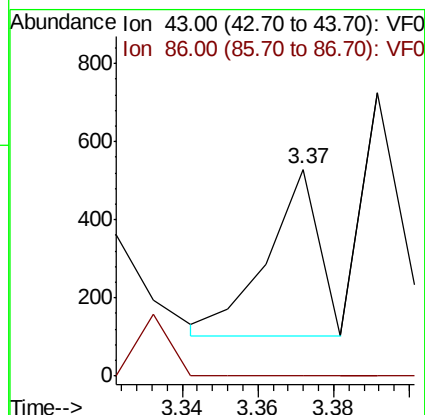
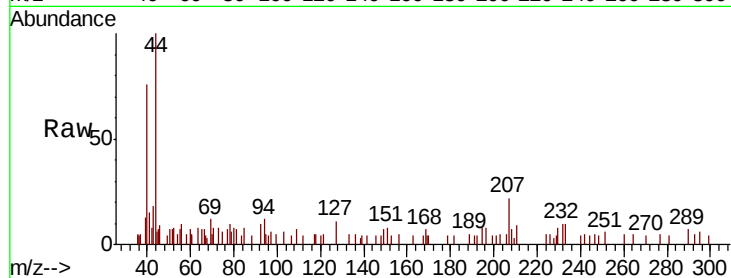
RBR-200050RE

Tot Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#



#24

1,1-Dichloroethane

Concen: 13.549 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.04 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

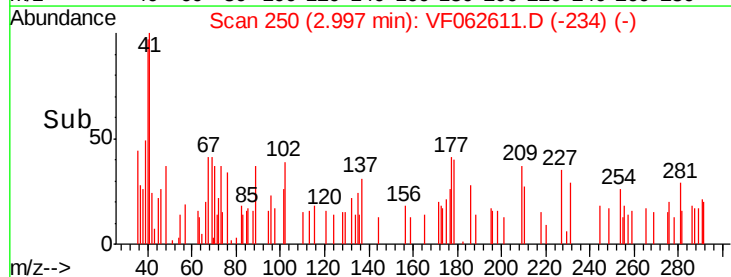
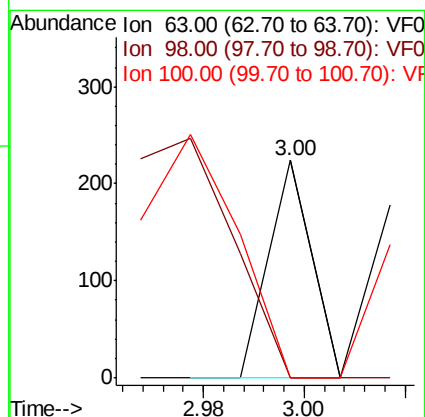
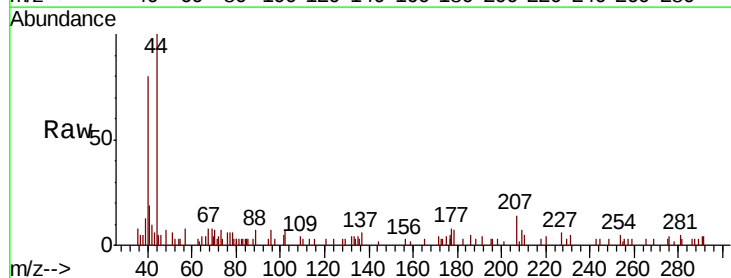
Tgt Ion: 63 Resp: 132

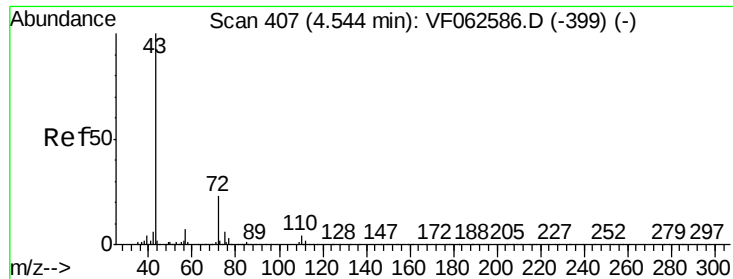
Ion Ratio Lower Upper

63 100

98 0.0 2.6 7.8#

100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 488.392 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.06 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

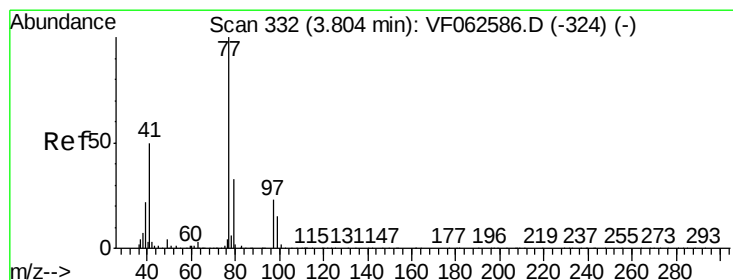
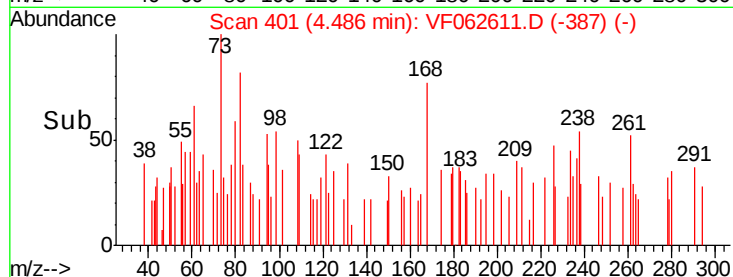
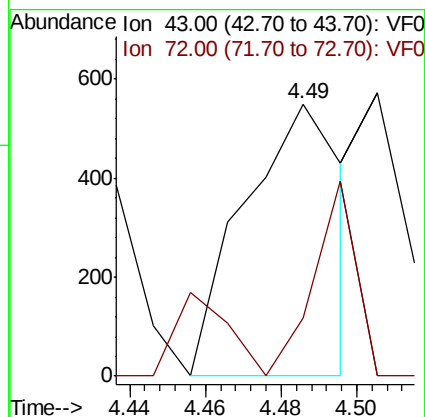
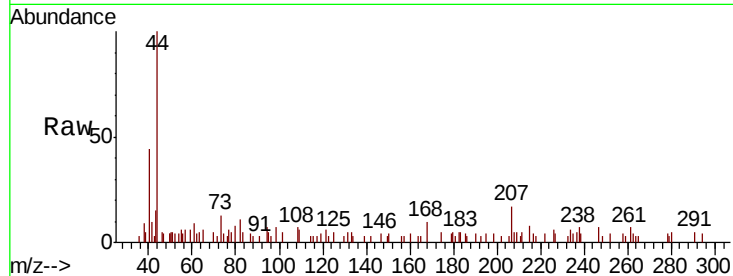
RBR-200050RE

Tot Ion: 43 Resp: 1002

Ion Ratio Lower Upper

43 100

72 21.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 194.557 ug/l

RT: 3.82 min Scan# 333

Delta R.T. 0.01 min

Lab File: VF062611.D

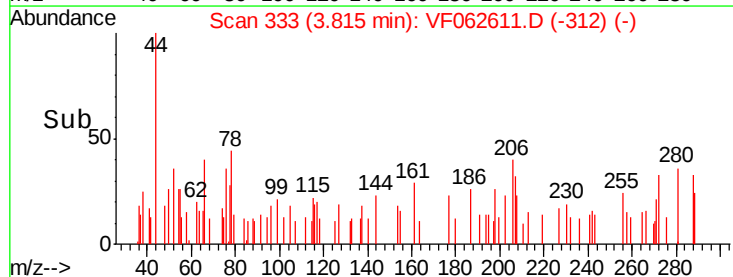
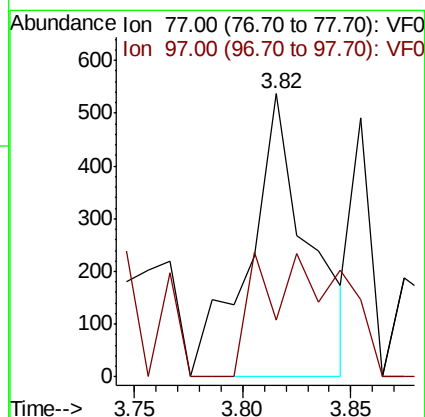
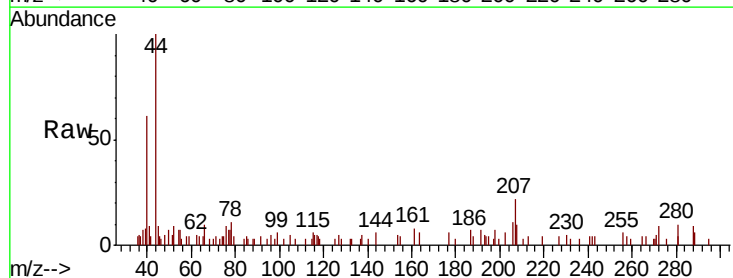
Acq: 15 May 2019 16:20

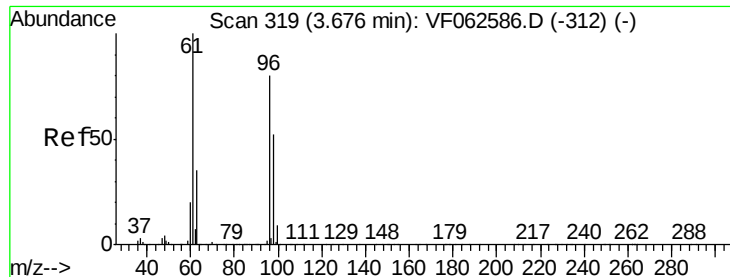
Tgt Ion: 77 Resp: 1023

Ion Ratio Lower Upper

77 100

97 20.1 12.0 36.0



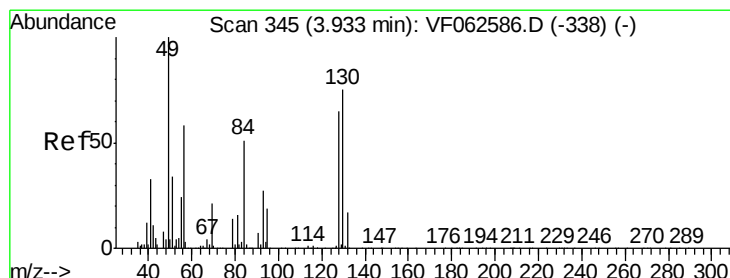
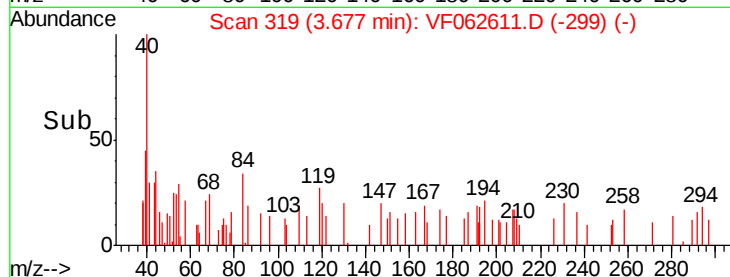
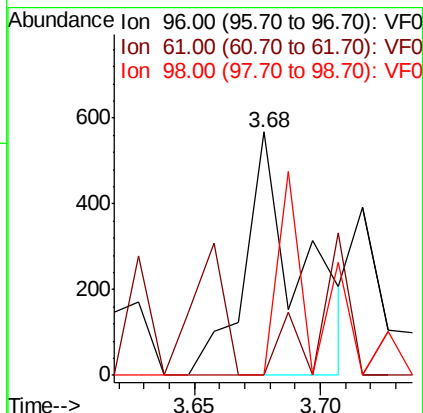
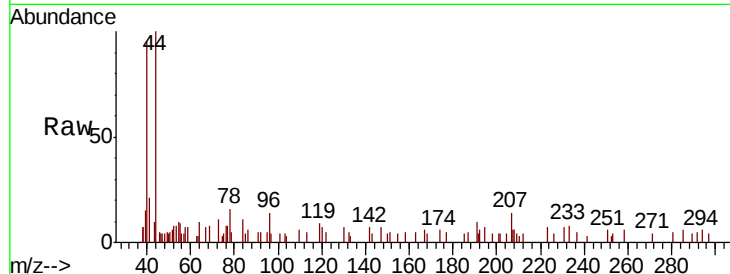


#27

cis-1,2-Dichloroethene
 Concen: 113.193 ug/l
 RT: 3.68 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050RE

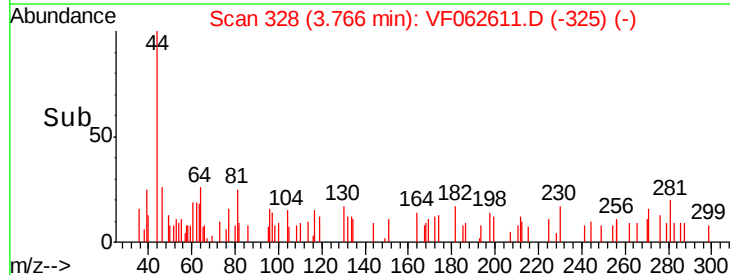
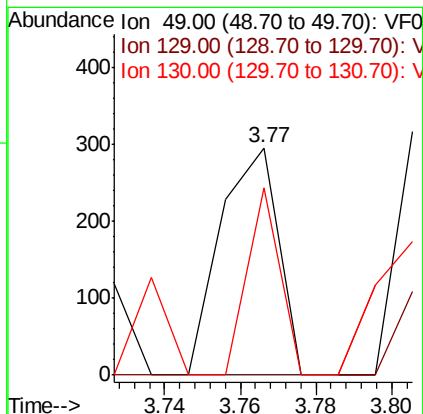
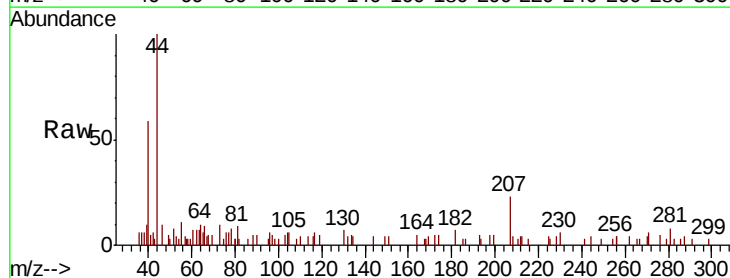
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	251.4
98	0.0	0.0	129.8

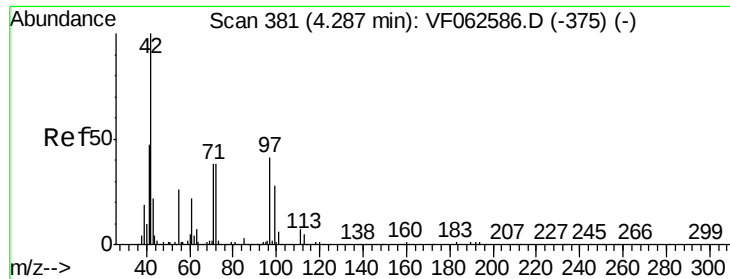


#28

Bromochloromethane
 Concen: 56.605 ug/l
 RT: 3.77 min Scan# 328
 Delta R.T. -0.17 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	82.1	59.7	89.5

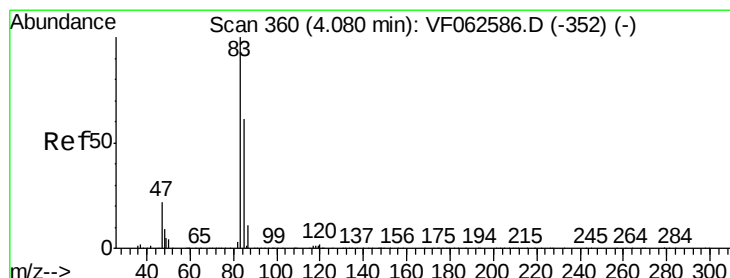
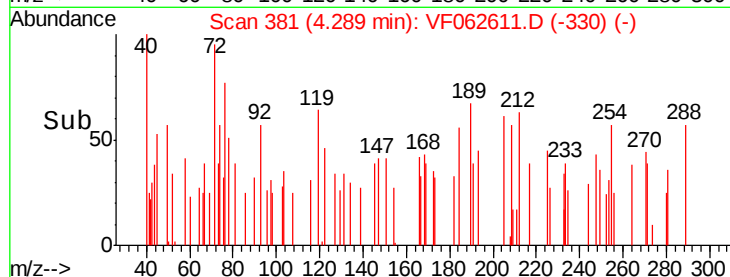
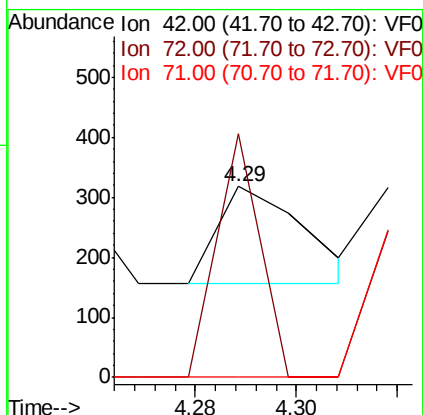
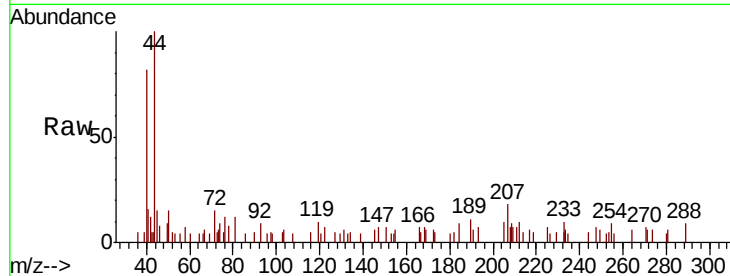




#29
Tetrahydrofuran
Concen: 219.997 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

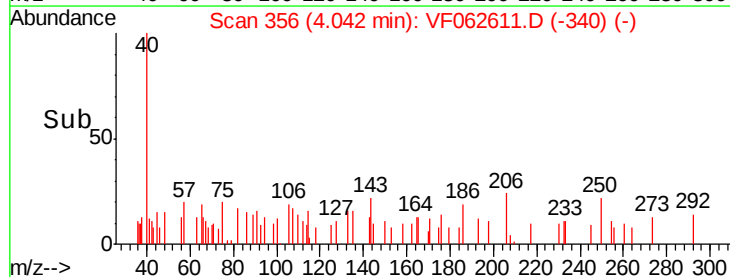
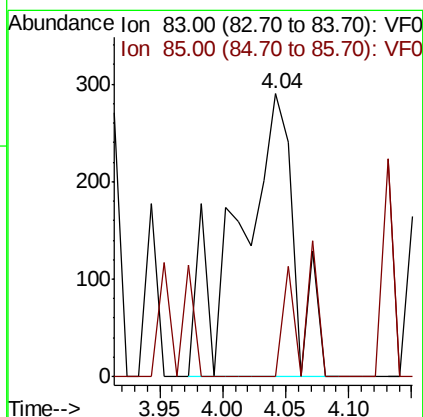
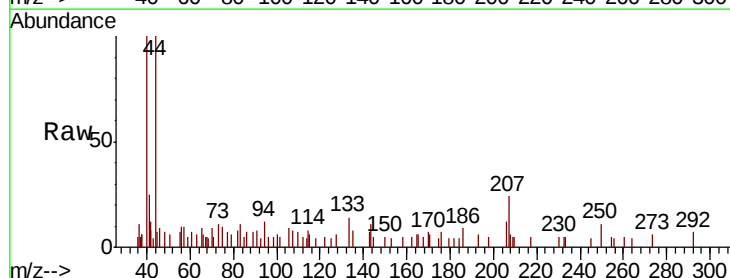
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

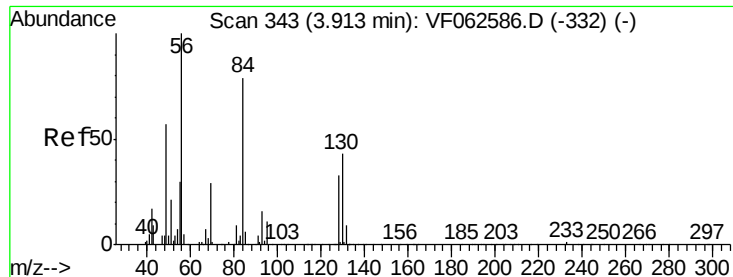
Tot Ion: 42 Resp: 191
Ion Ratio Lower Upper
42 100
72 125.7 34.0 51.0#
71 0.0 32.8 49.2#



#30
Chloroform
Concen: 76.129 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.04 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 83 Resp: 890
Ion Ratio Lower Upper
83 100
85 0.0 48.7 73.1#

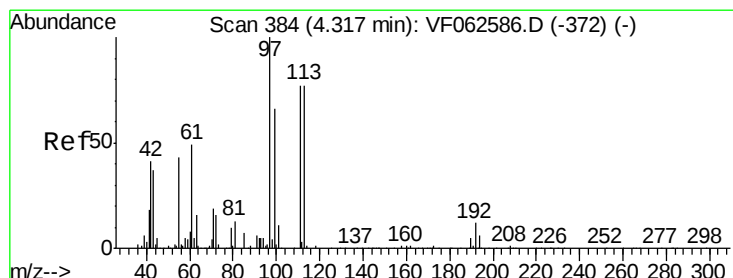
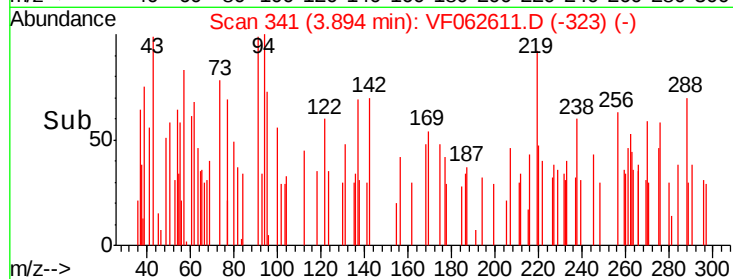
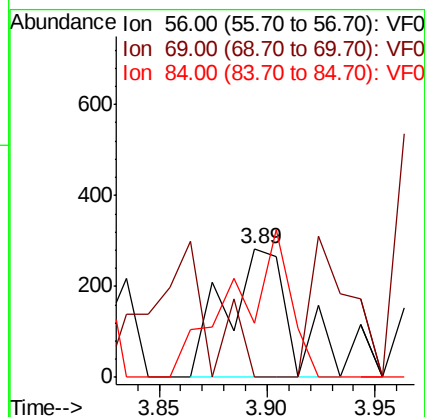
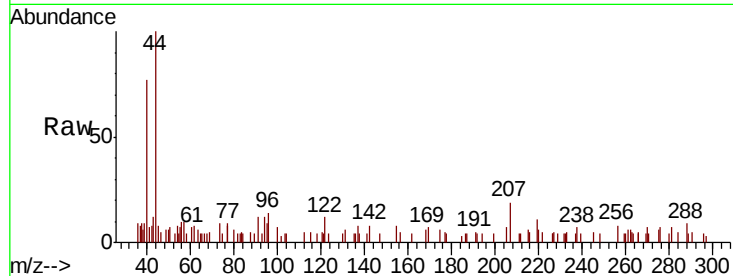




#31
Cvclohexane
Concen: 59.482 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

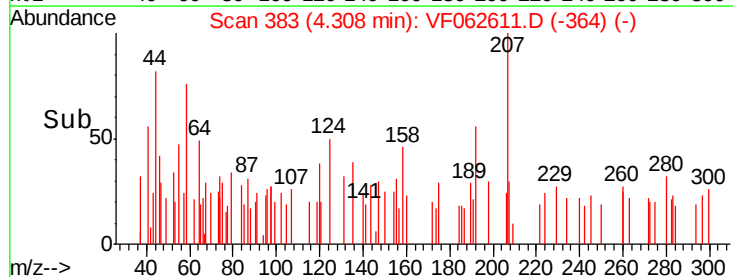
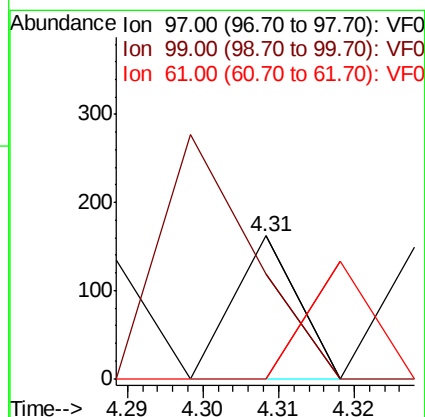
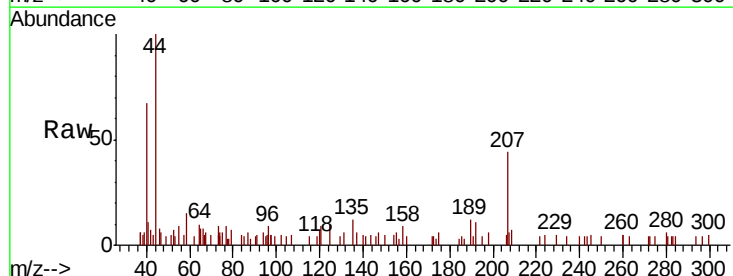
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

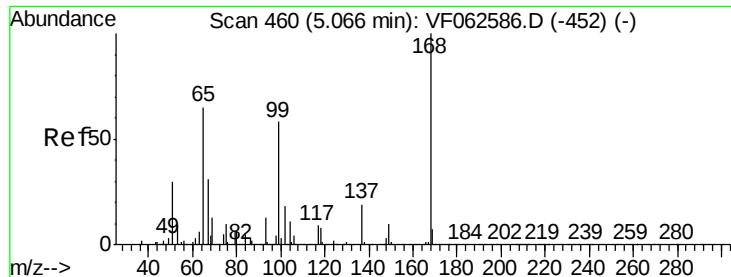
Tot Ion: 56 Resp: 604
Ion Ratio Lower Upper
56 100
69 0.0 22.9 34.3#
84 41.9 63.4 95.2#



#32
1,1,1-Trichloroethane
Concen: 12.183 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 97 Resp: 96
Ion Ratio Lower Upper
97 100
99 36.2 53.4 80.0#
61 0.0 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 144.893 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.06 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

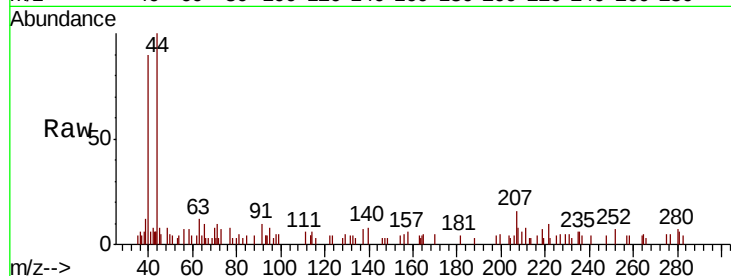
RBR-200050RE

Tot Ion: 65 Resp: 648

Ion Ratio Lower Upper

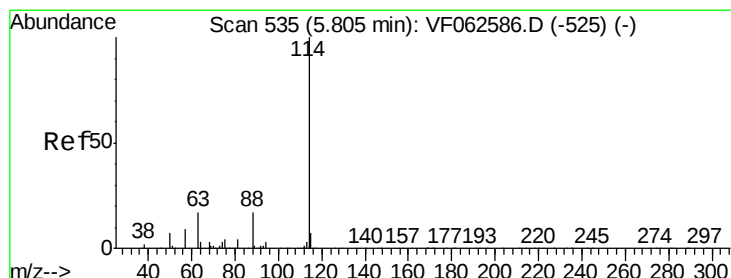
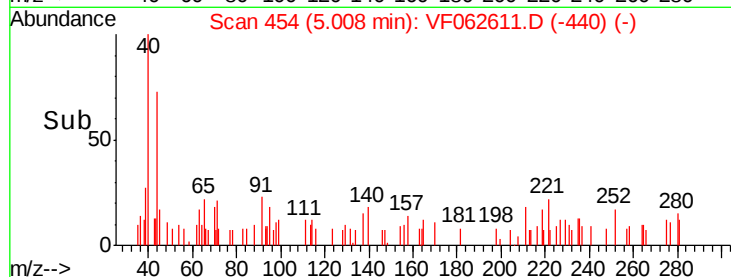
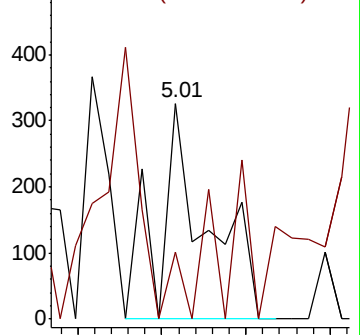
65 100

67 31.2 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

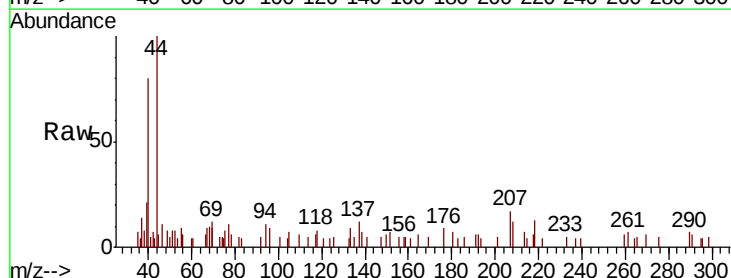
Tgt Ion: 114 Resp: 154

Ion Ratio Lower Upper

114 100

63 0.0 0.0 34.6

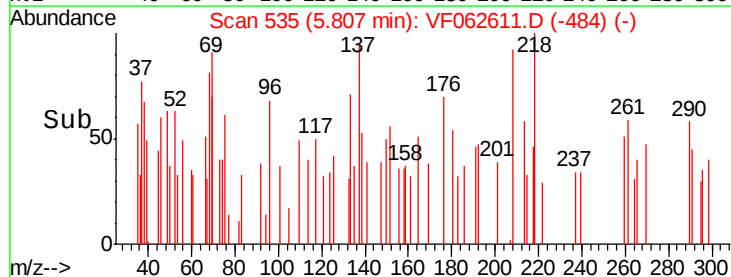
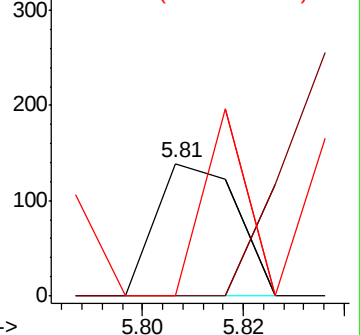
88 0.0 0.0 33.6

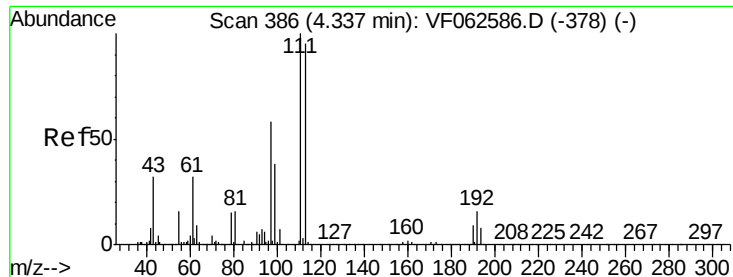


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 96.843 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

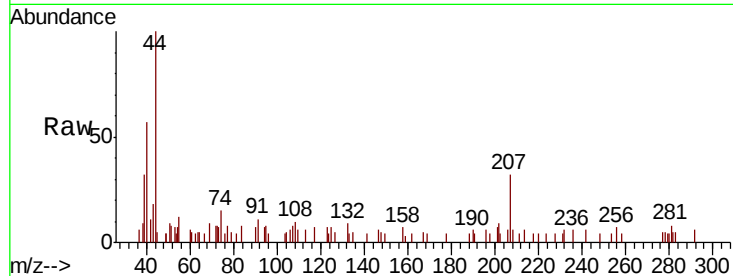
Tot Ion:113 Resp: 111

Ion Ratio Lower Upper

113 100

111 0.0 83.9 125.9#

192 0.0 13.7 20.5#



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

400

300

200

100

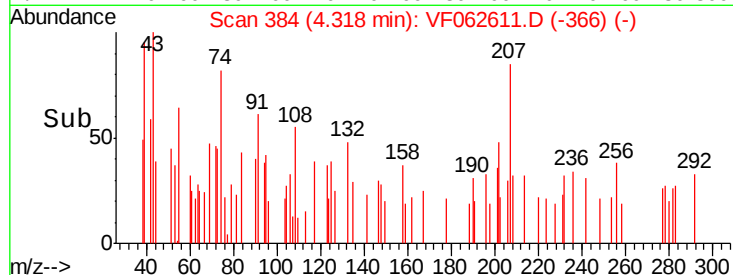
0

4.28

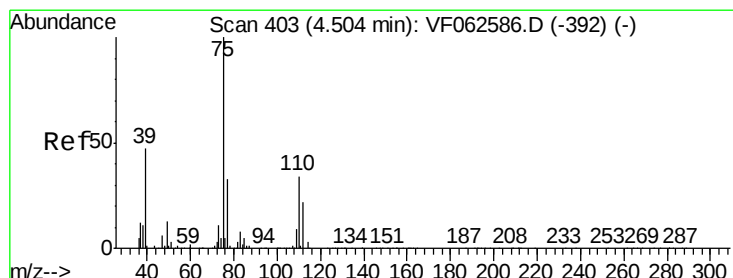
4.30

4.32

4.34



Time-->



#36

1,1-Dichloropropene

Concen: 263.403 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

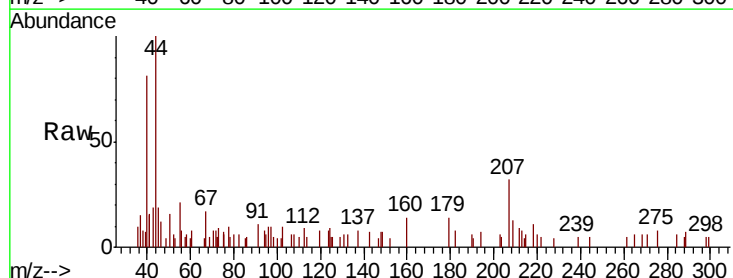
Tgt Ion: 75 Resp: 351

Ion Ratio Lower Upper

75 100

110 24.3 17.3 51.7

77 0.0 26.4 39.6#



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

600

500

400

300

200

100

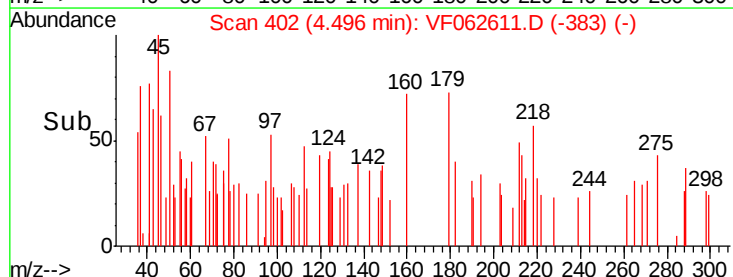
0

4.46

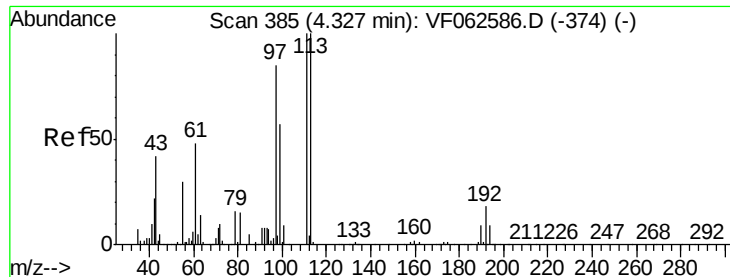
4.48

4.50

4.52



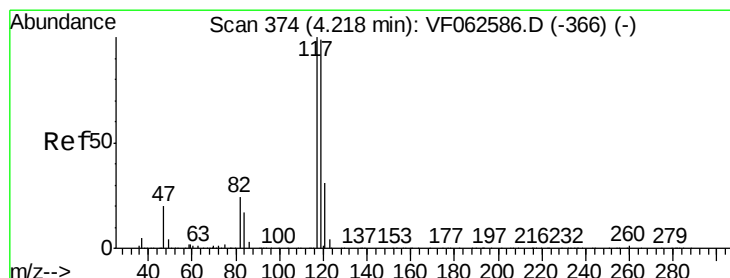
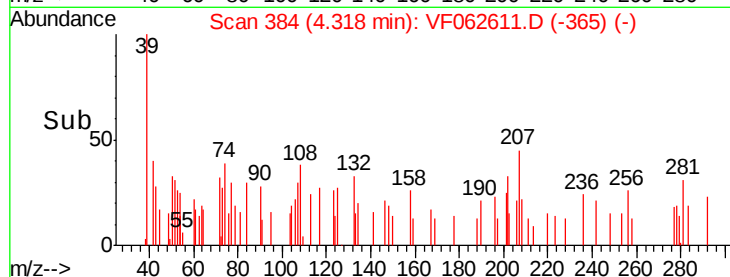
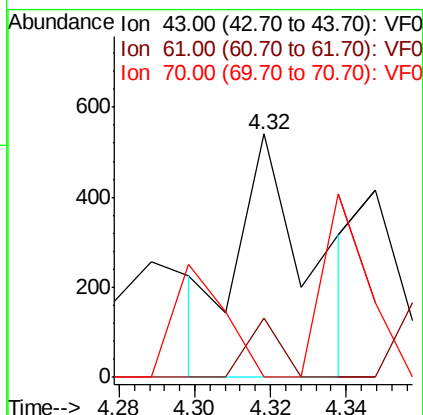
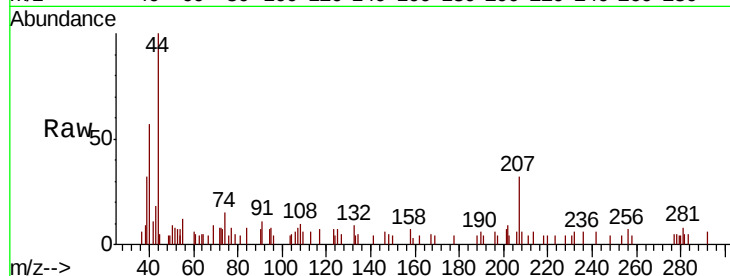
Time-->



#37
Ethyl Acetate
Concen: 1294.742 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

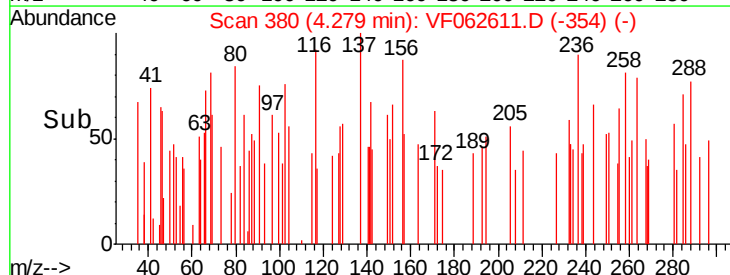
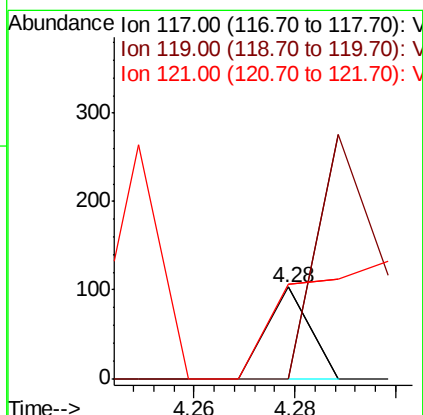
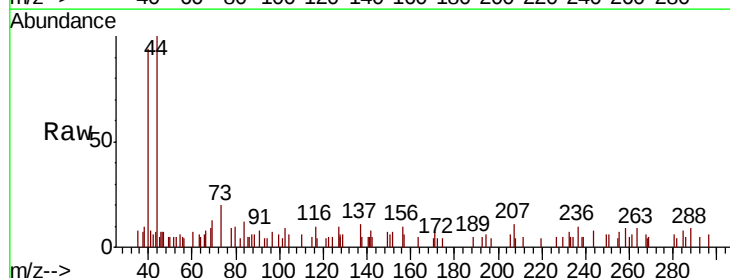
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

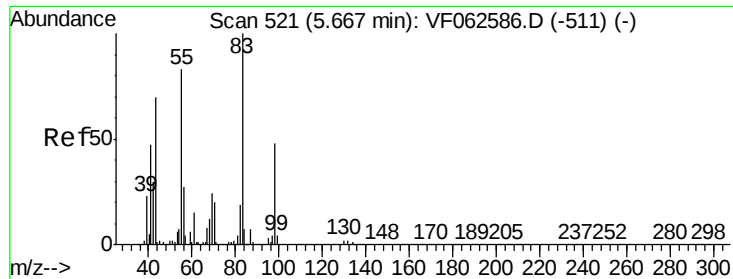
Tot Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
61 24.6 88.6 132.8#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 55.803 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.06 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 117 Resp: 61
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 103.9 25.0 37.6#

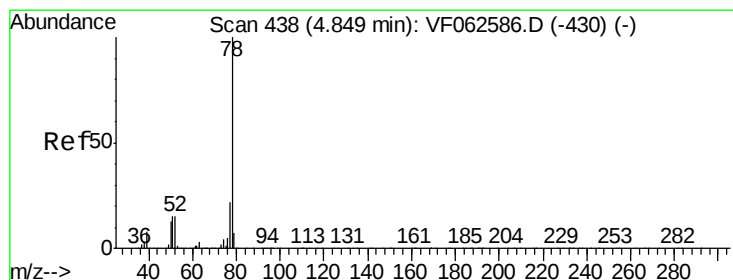
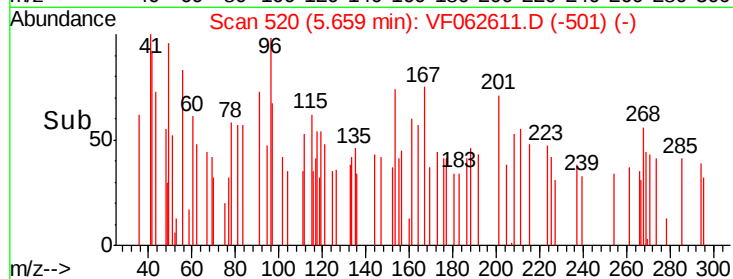
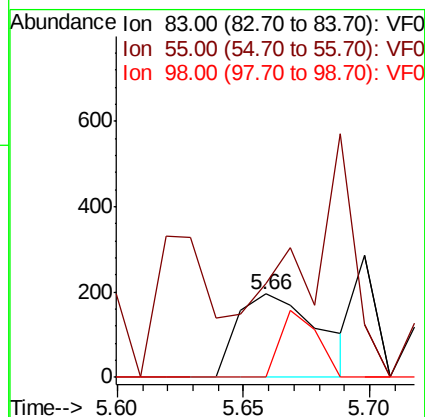
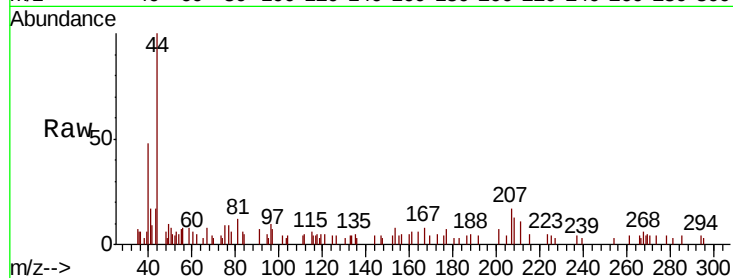




#39
Methylcyclohexane
Concen: 280.732 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

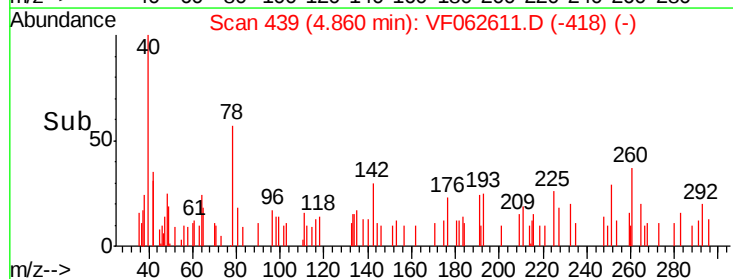
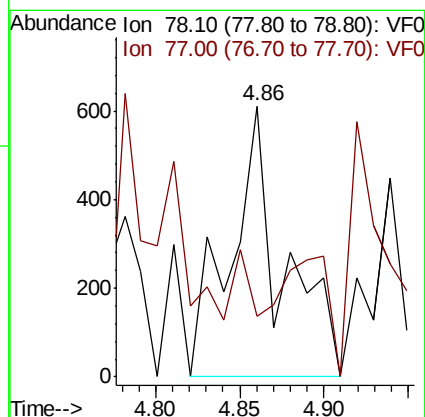
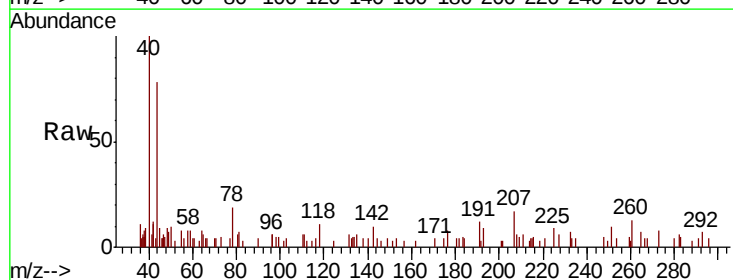
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

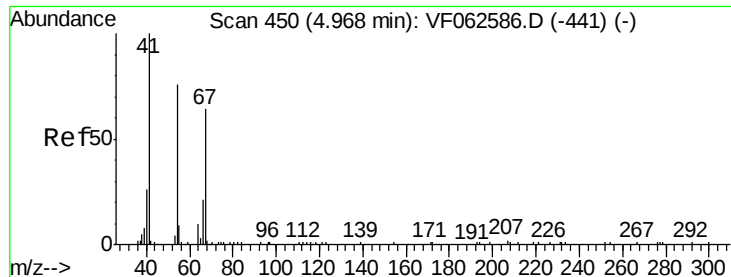
Tot Ion: 83 Resp: 438
Ion Ratio Lower Upper
83 100
55 63.1 66.6 100.0#
98 0.0 38.3 57.5#



#40
Benzene
Concen: 347.400 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 78 Resp: 1317
Ion Ratio Lower Upper
78 100
77 22.6 17.7 26.5

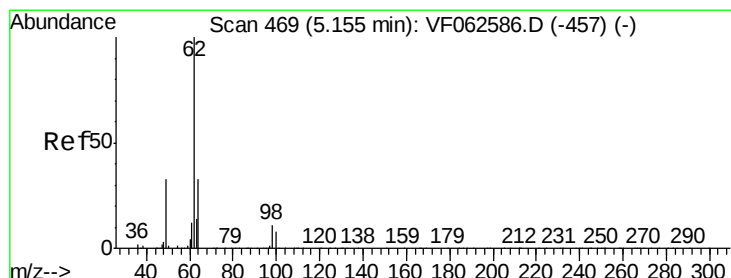
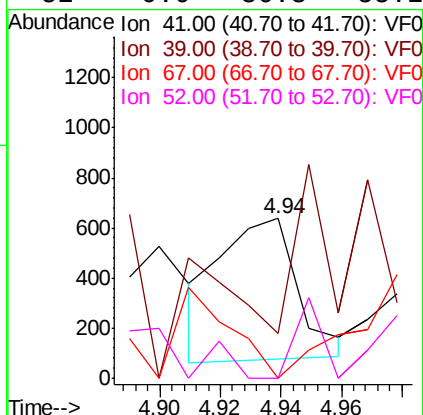
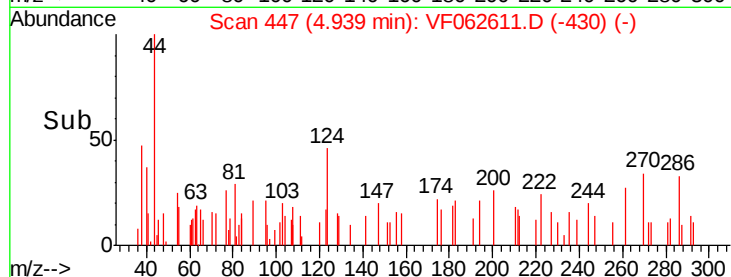
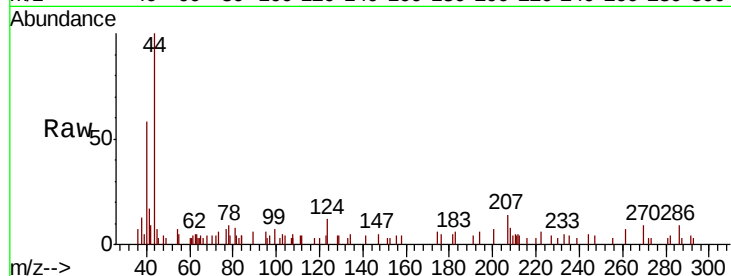




#41
Methacrylonitrile
Concen: 3257.055 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.03 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

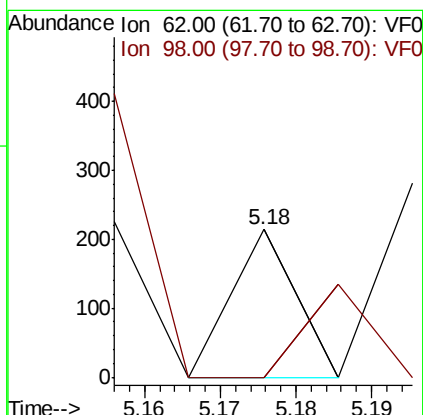
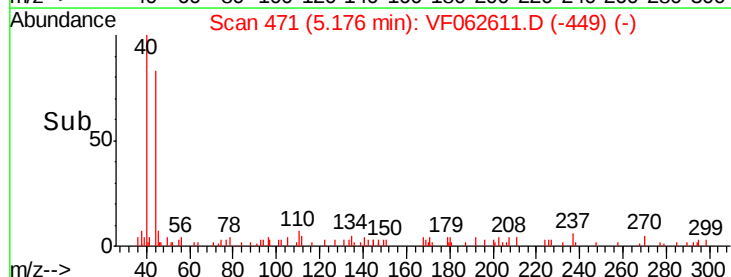
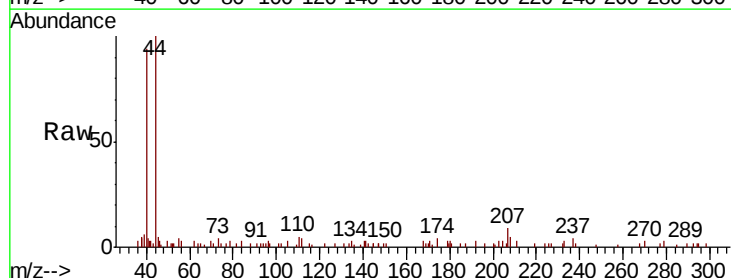
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

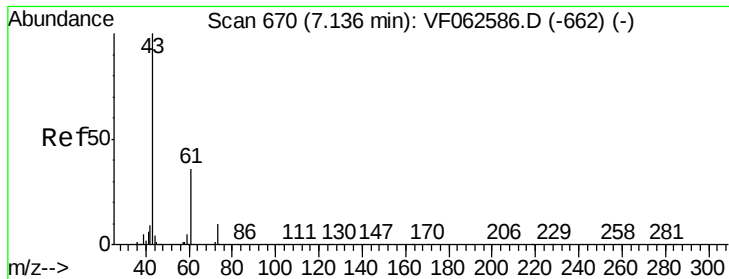
Tot Ion:	41	Resp:	1010
Ion	Ratio	Lower	Upper
41	100		
39	28.4	40.8	61.2#
67	0.0	50.2	75.2#
52	0.0	36.8	55.2#



#42
1,2-Dichloroethane
Concen: 157.868 ug/l
RT: 5.18 min Scan# 471
Delta R.T. 0.02 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion:	62	Resp:	127
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.2



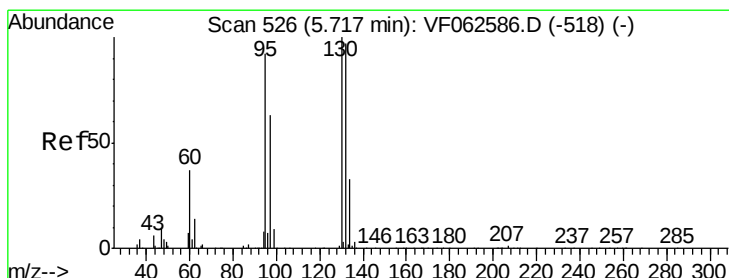
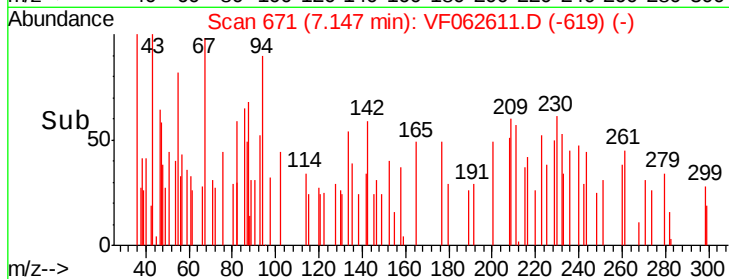
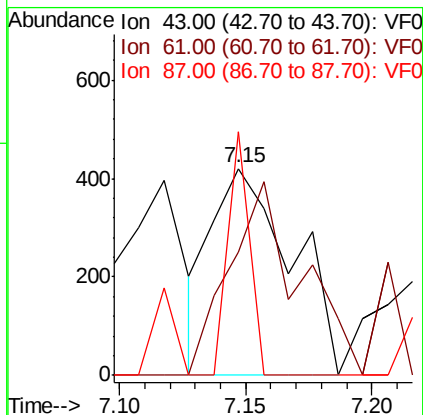
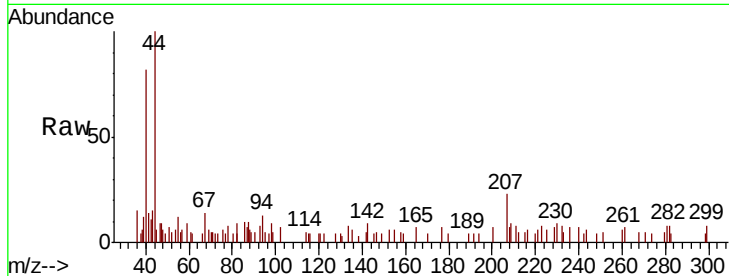


#43

Isopropyl Acetate
 Concen: 1435.198 ug/l
 RT: 7.15 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050RE

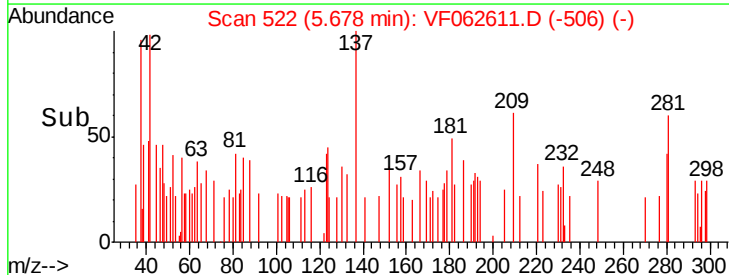
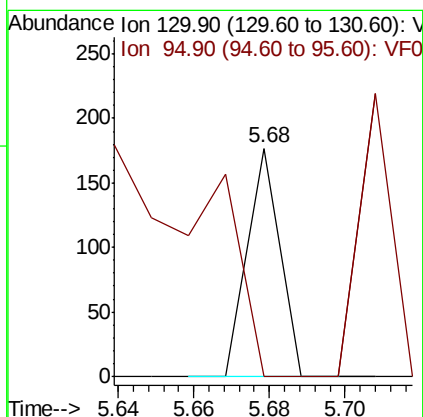
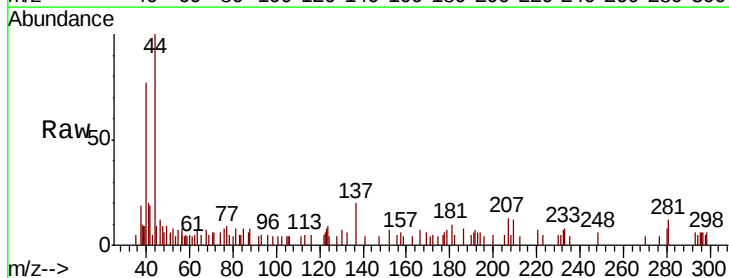
Tot Ion: 43 Resp: 930
 Ion Ratio Lower Upper
 43 100
 61 59.6 28.5 42.7#
 87 117.6 0.4 0.6#

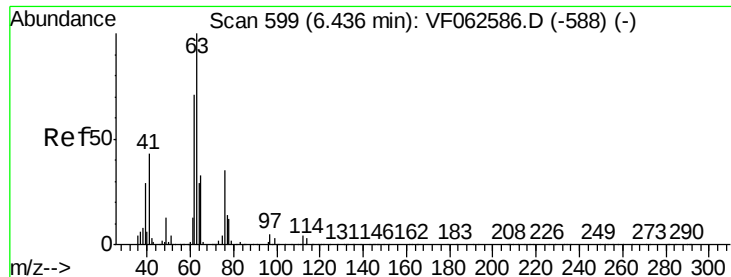


#44

Trichloroethene
 Concen: 102.559 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.04 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Tgt Ion:130 Resp: 105
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 185.0





#45

1,2-Dichloropropane

Concen: 386.697 ug/l

RT: 6.46 min Scan# 601

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

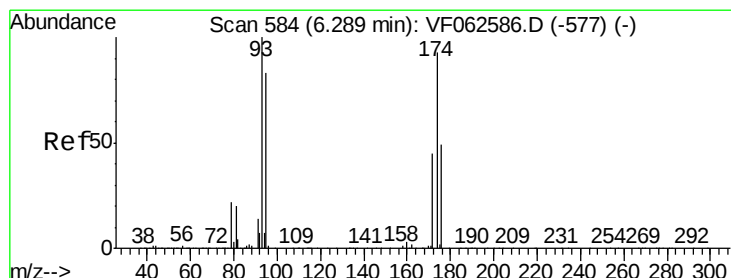
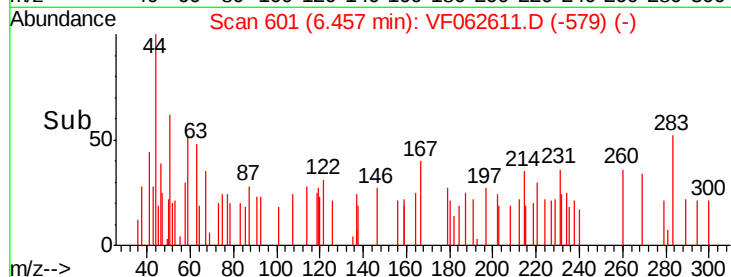
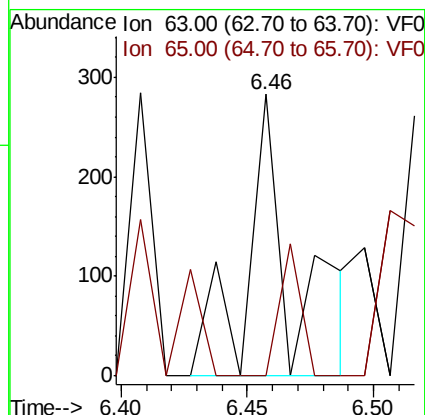
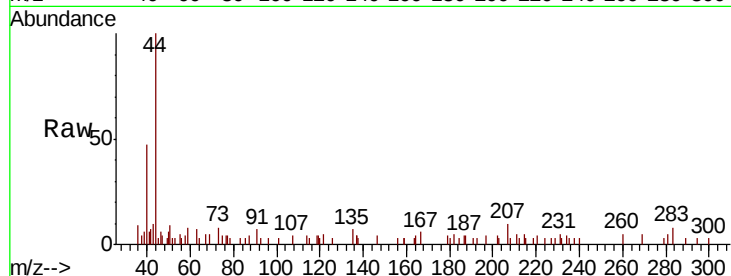
RBR-200050RE

Tot Ion: 63 Resp: 369

Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.4#



#46

Dibromomethane

Concen: 138.707 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

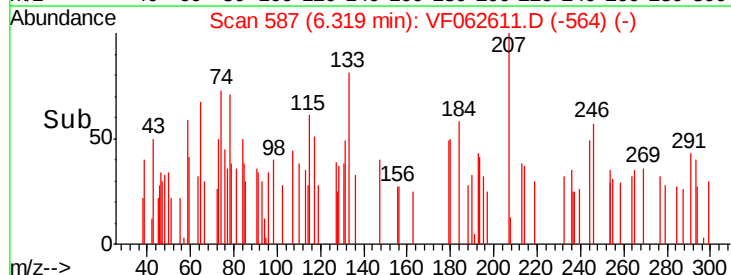
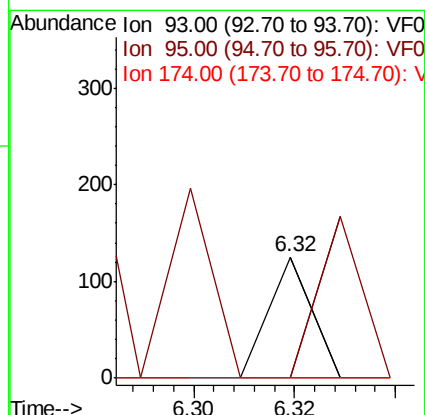
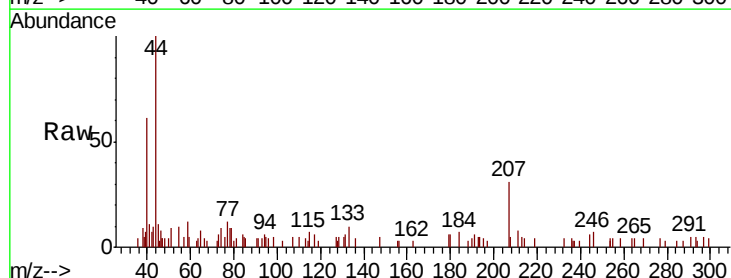
Tgt Ion: 93 Resp: 74

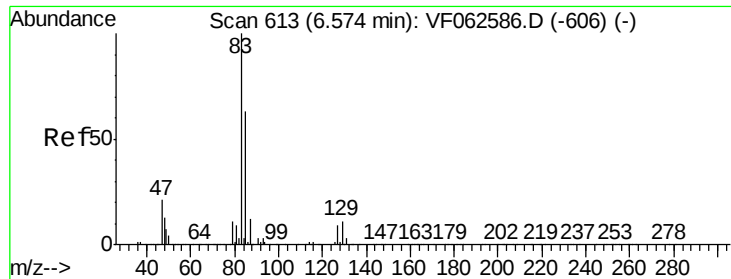
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.6 112.0#





#47

Bromodichloromethane

Concen: 112.478 ug/l

RT: 6.60 min Scan# 615

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

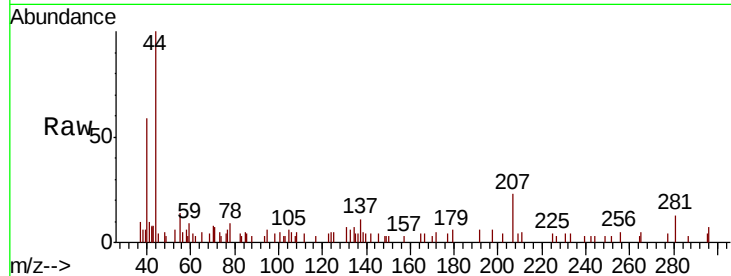
Tot Ion: 83 Resp: 129

Ion Ratio Lower Upper

83 100

85 129.7 50.3 75.5#

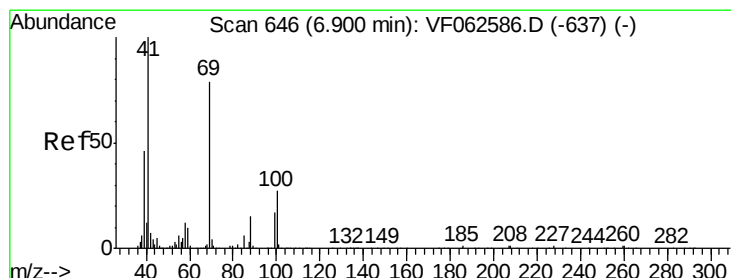
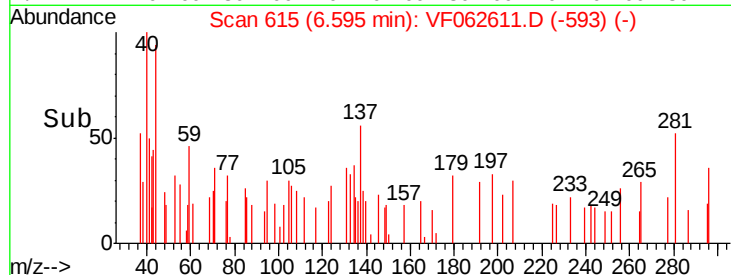
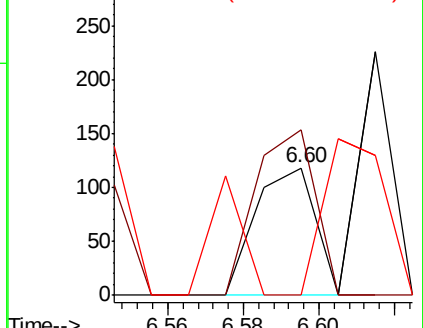
127 0.0 7.2 10.8#



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: 1342.007 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

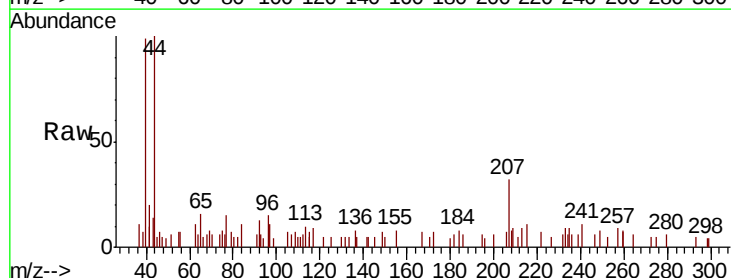
Tgt Ion: 41 Resp: 476

Ion Ratio Lower Upper

41 100

69 27.7 63.0 94.6#

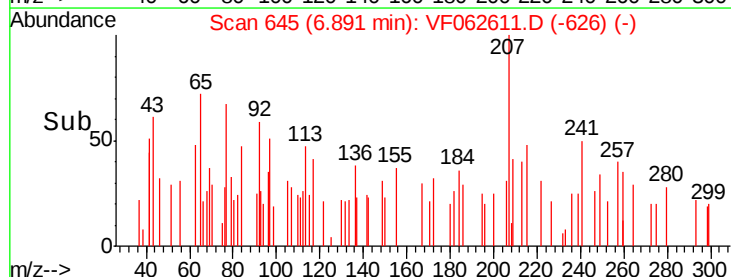
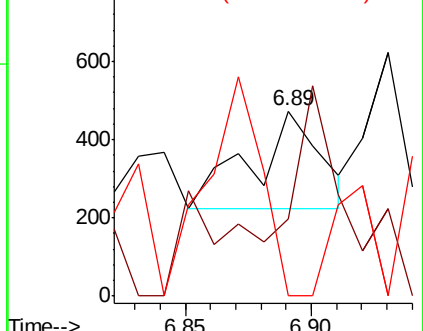
39 0.0 37.6 56.4#

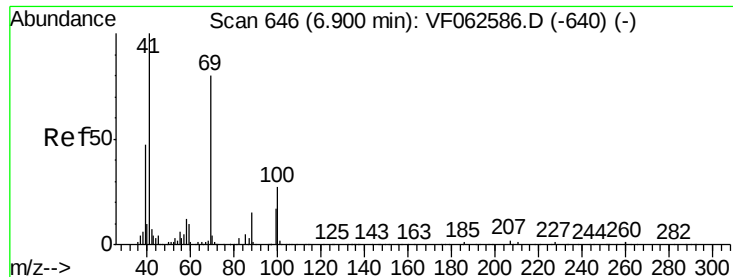


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 59049.517 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

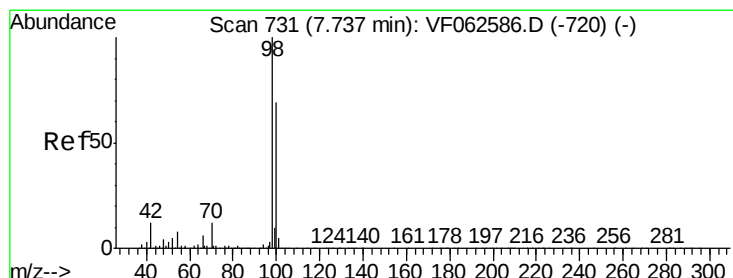
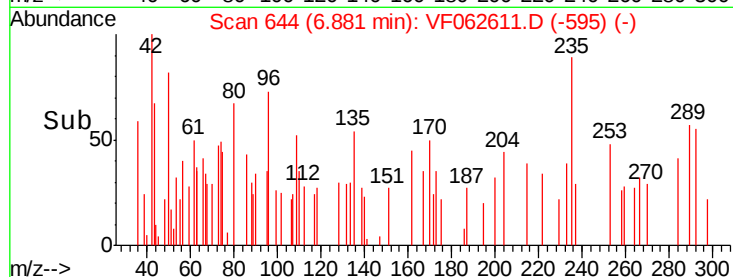
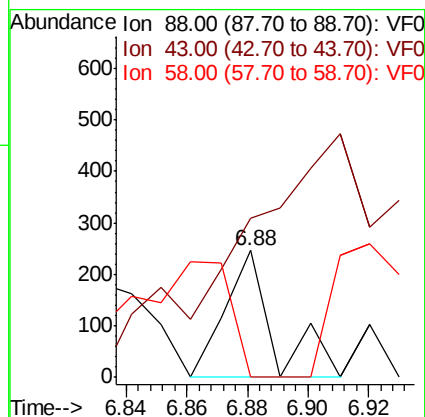
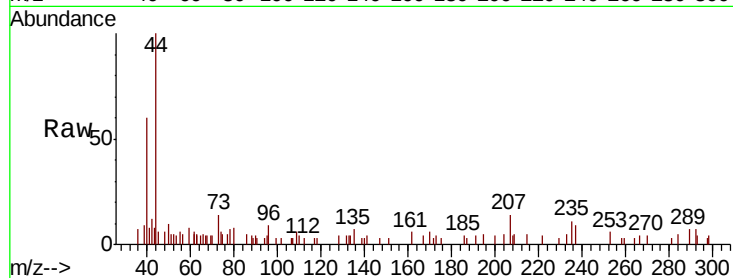
Tot Ion: 88 Resp: 276

Ion Ratio Lower Upper

88 100

43 125.6 28.8 43.2#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 56.648 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.05 min

Lab File: VF062611.D

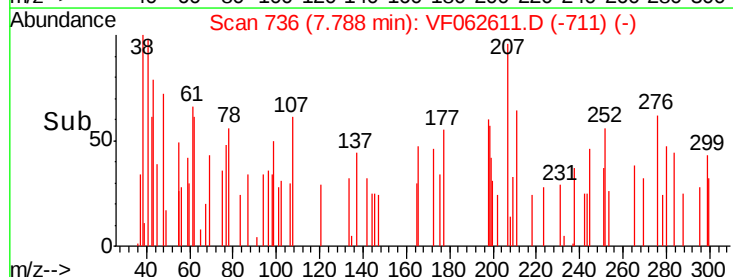
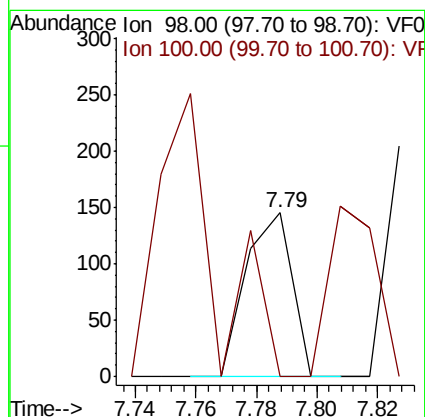
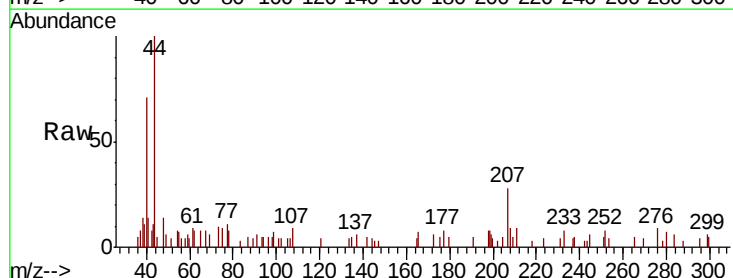
Acq: 15 May 2019 16:20

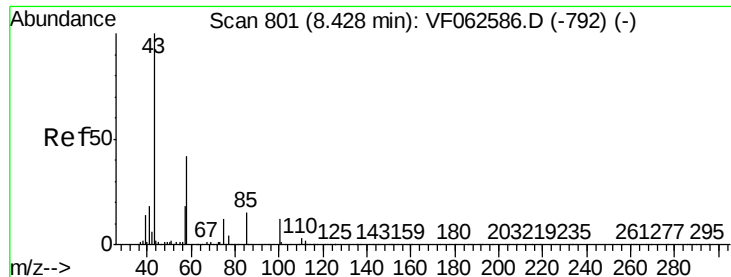
Tgt Ion: 98 Resp: 153

Ion Ratio Lower Upper

98 100

100 0.0 55.4 83.0#





#51

4-Methyl-2-Pentanone

Concen: 2192.478 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

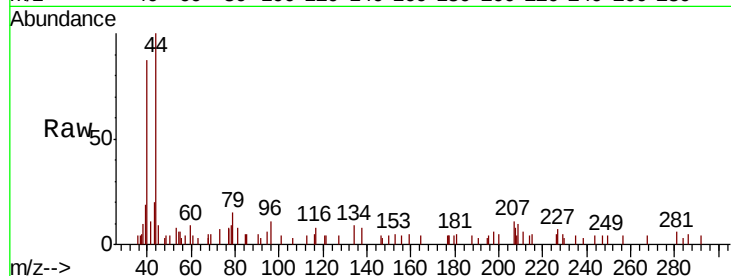
RBR-200050RE

Tot Ion: 43 Resp: 1041

Ion Ratio Lower Upper

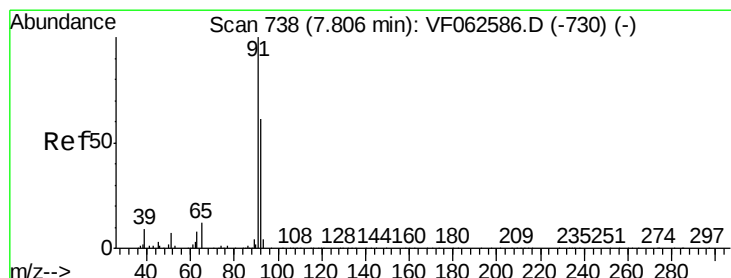
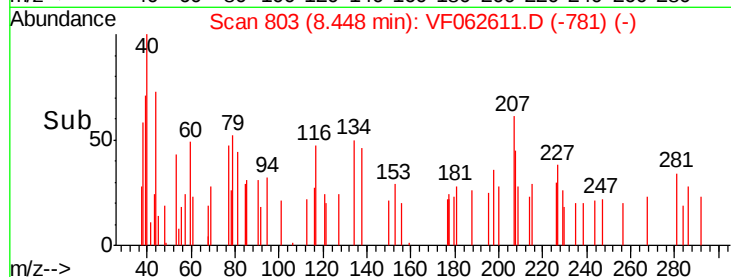
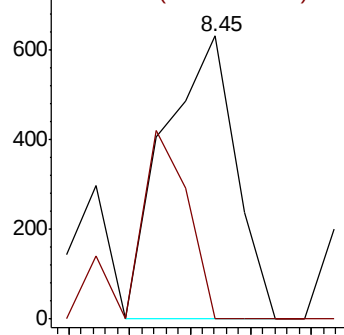
43 100

58 0.0 33.6 50.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 155.542 ug/l

RT: 7.83 min Scan# 740

Delta R.T. 0.02 min

Lab File: VF062611.D

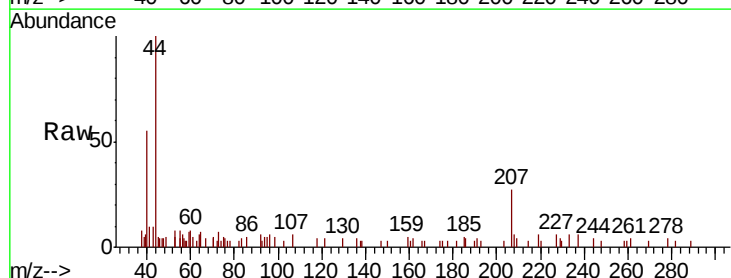
Acq: 15 May 2019 16:20

Tgt Ion: 92 Resp: 296

Ion Ratio Lower Upper

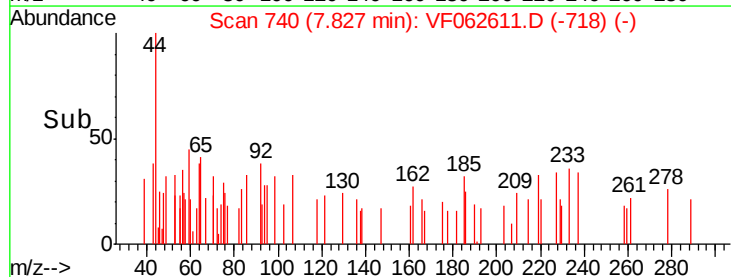
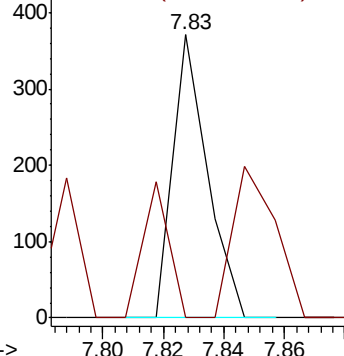
92 100

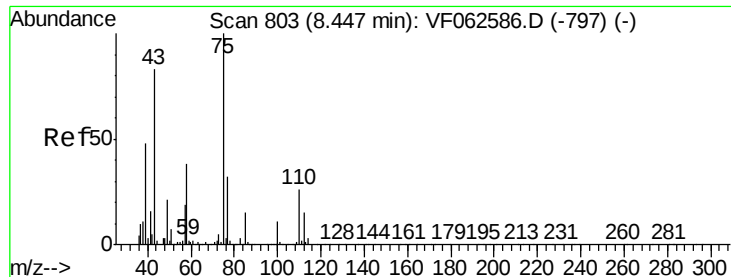
91 0.0 131.0 196.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 607.025 ug/l

RT: 8.47 min Scan# 805

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

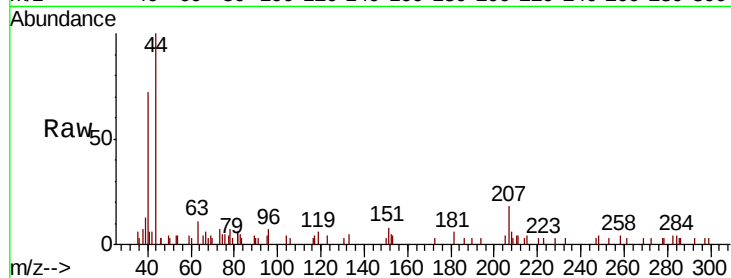
RBR-200050RE

Tot Ion: 75 Resp: 550

Ion Ratio Lower Upper

75 100

77 44.3 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

600

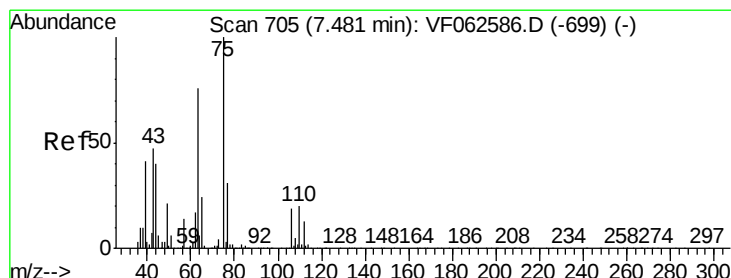
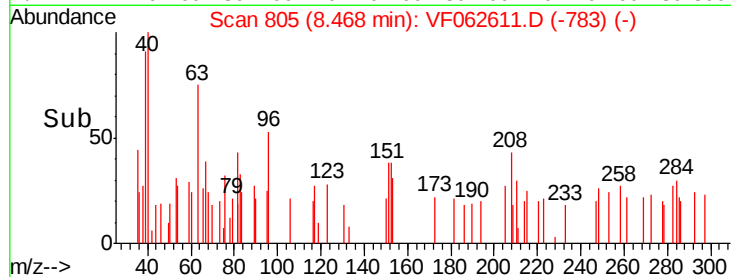
400

200

0

8.44 8.46 8.48 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 622.469 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

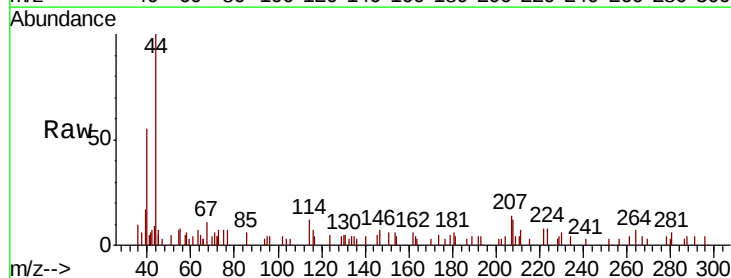
Tgt Ion: 75 Resp: 797

Ion Ratio Lower Upper

75 100

77 95.6 25.0 37.6#

39 242.5 32.8 49.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

800

600

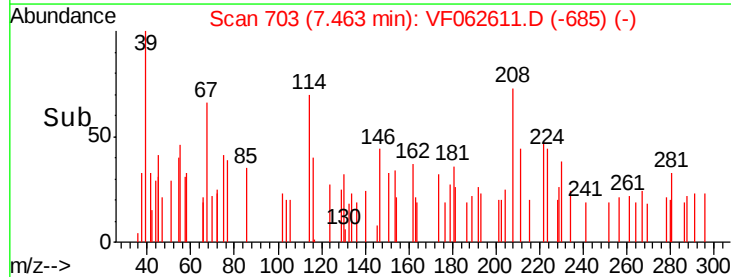
400

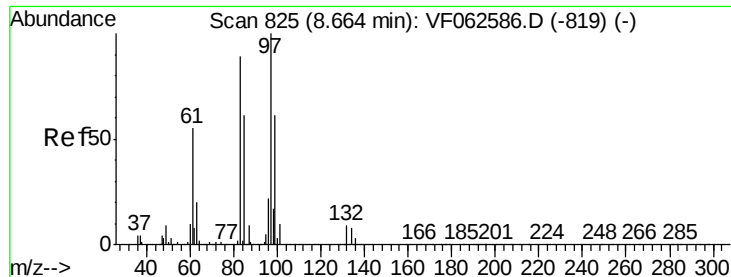
200

0

7.35 7.40 7.45 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 802.049 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

Tot Ion: 97 Resp: 457

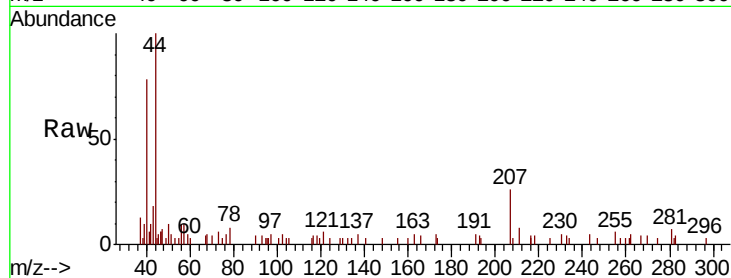
Ion Ratio Lower Upper

97 100

83 0.0 71.3 106.9#

85 0.0 48.9 73.3#

99 0.0 48.4 72.6#



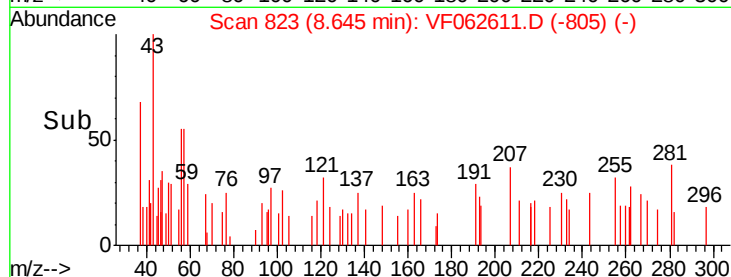
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

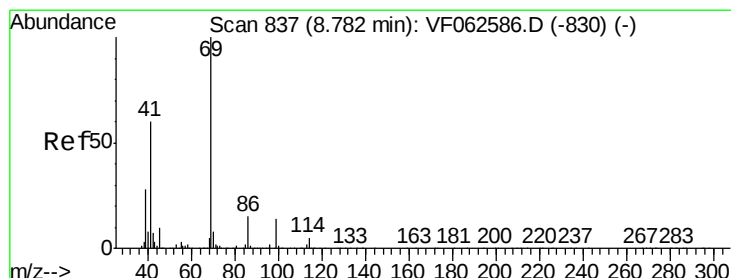
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 861.495 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

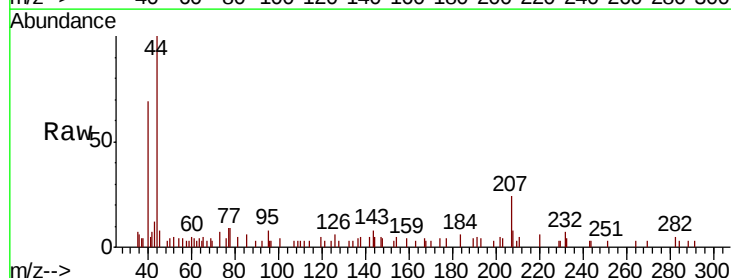
Tgt Ion: 69 Resp: 538

Ion Ratio Lower Upper

69 100

41 70.3 48.1 72.1

39 0.0 22.5 33.7#

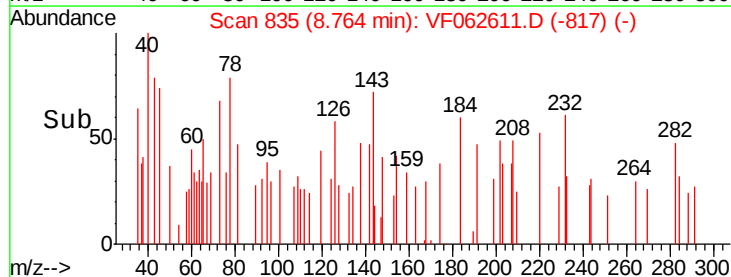


Abundance Ion 69.00 (68.70 to 69.70): VF0

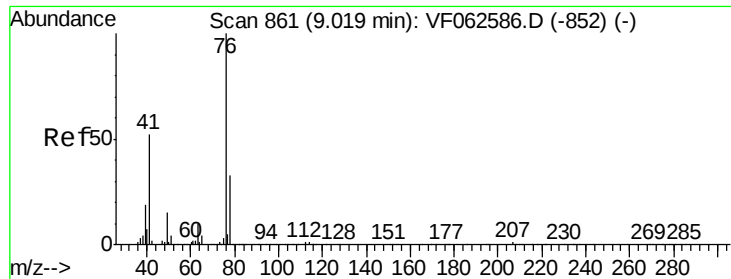
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 259.455 ug/l

RT: 9.05 min Scan# 864

Delta R.T. 0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

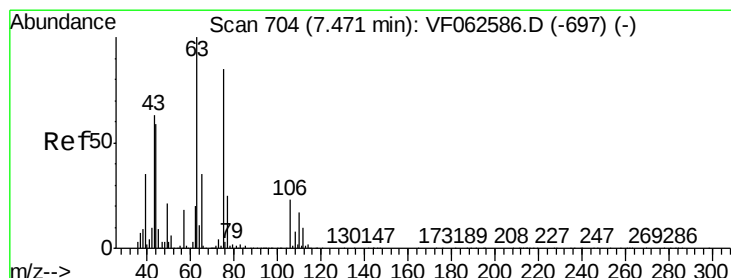
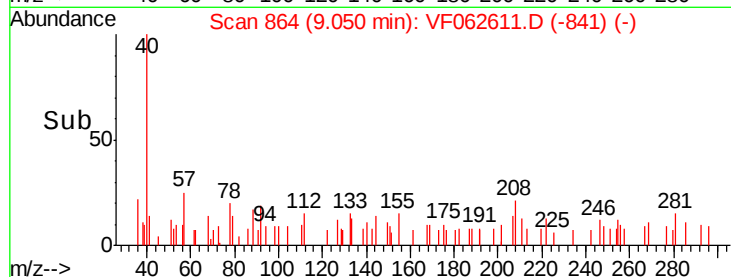
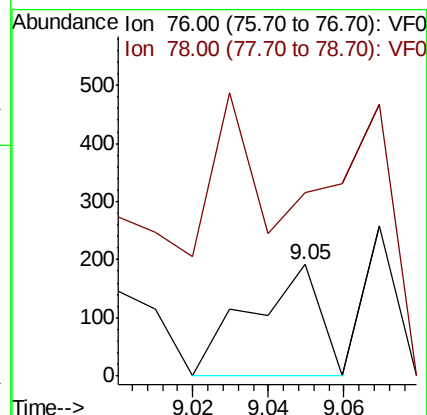
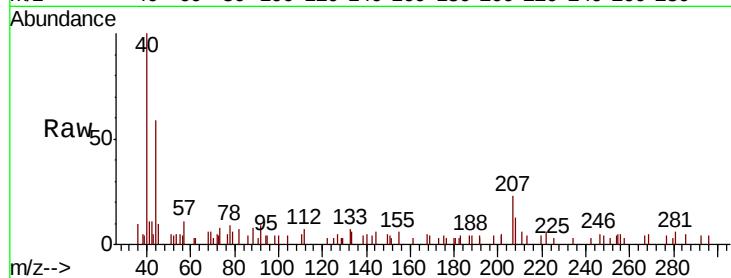
RBR-200050RE

Tot Ion: 76 Resp: 244

Ion Ratio Lower Upper

76 100

78 164.6 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 1320.383 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062611.D

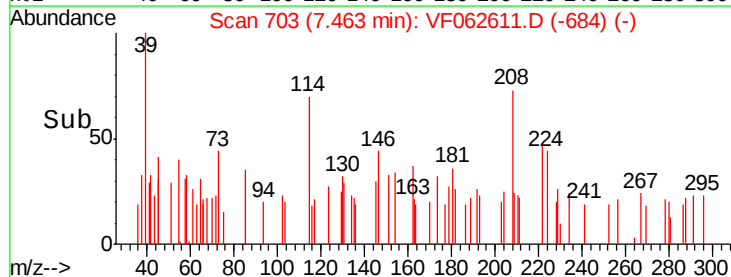
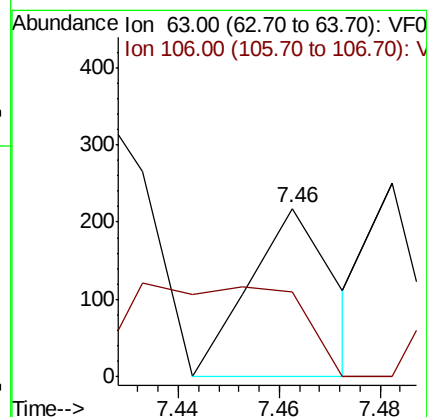
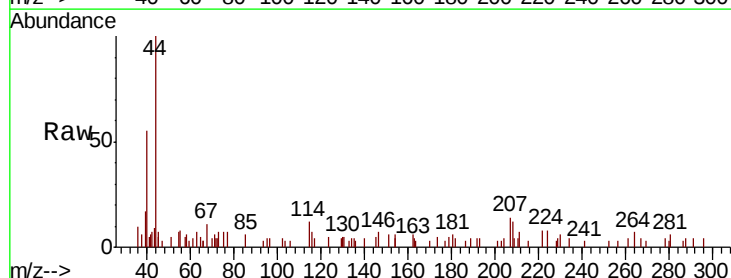
Acq: 15 May 2019 16:20

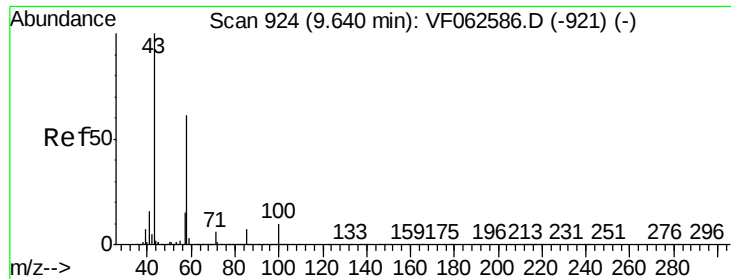
Tgt Ion: 63 Resp: 258

Ion Ratio Lower Upper

63 100

106 50.0 18.0 27.0#

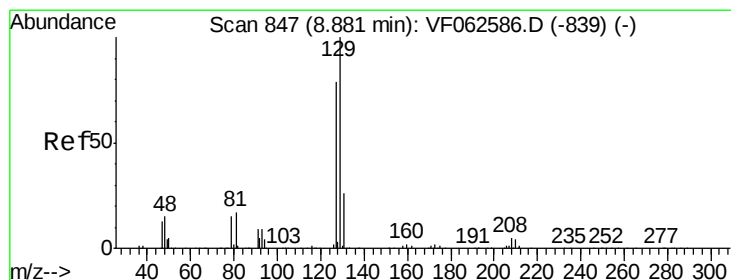
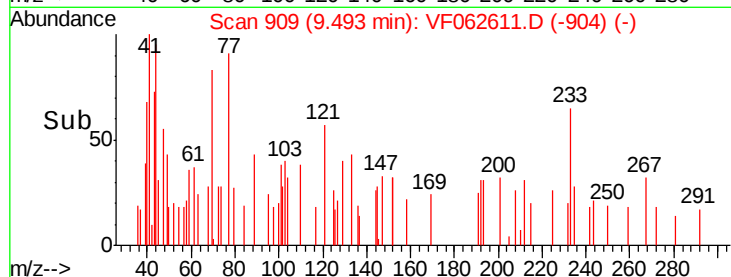
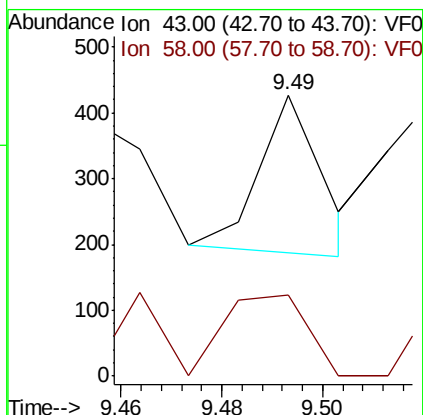
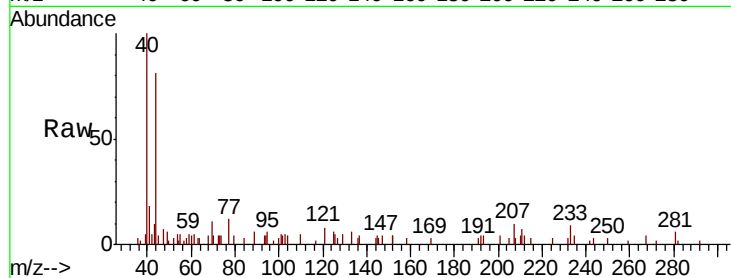




#59
2-Hexanone
Concen: 640.979 ug/l
RT: 9.49 min Scan# 909
Delta R.T. -0.15 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

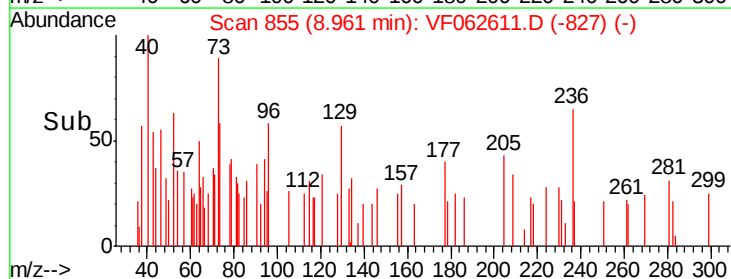
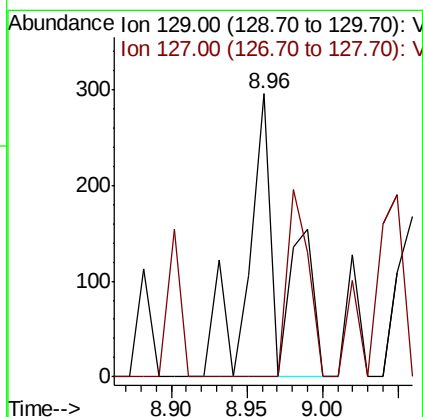
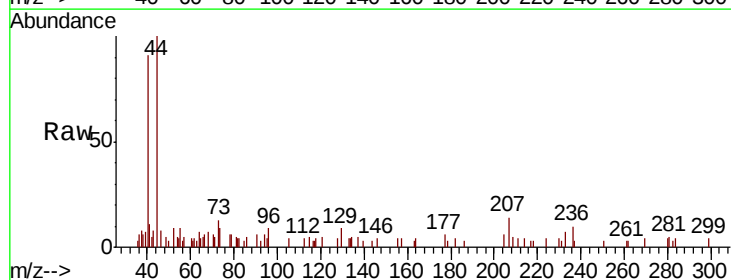
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

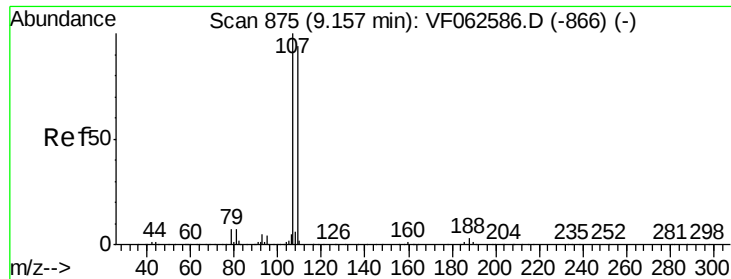
Tot Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
58 29.0 28.7 86.3



#60
Dibromochloromethane
Concen: 664.418 ug/l
RT: 8.96 min Scan# 855
Delta R.T. 0.08 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion: 129 Resp: 481
Ion Ratio Lower Upper
129 100
127 44.3 39.3 117.9





#61

1,2-Dibromoethane

Concen: 122.490 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

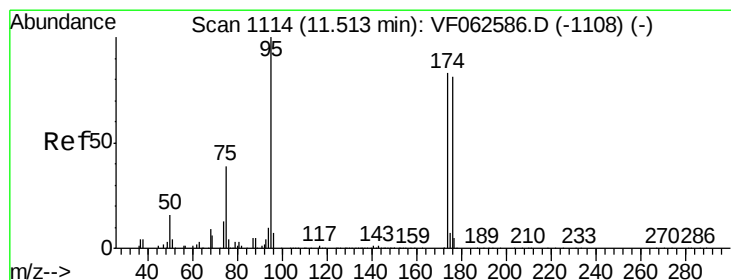
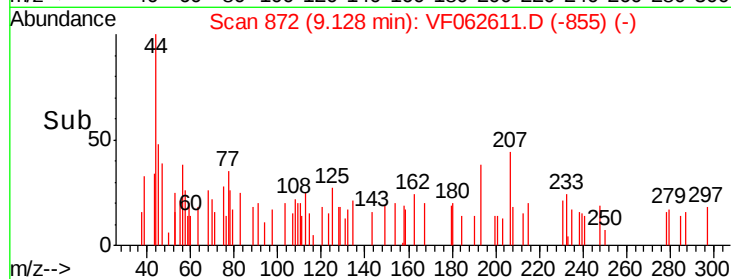
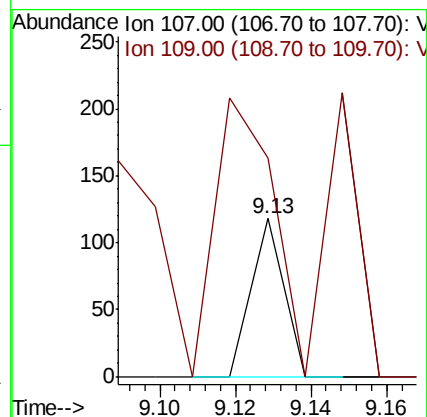
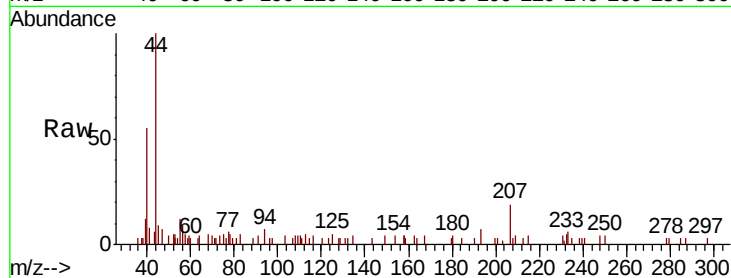
RBR-200050RE

Tot Ion:107 Resp: 70

Ion Ratio Lower Upper

107 100

109 138.1 74.9 112.3#



#62

4-Bromofluorobenzene

Concen: 259.738 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

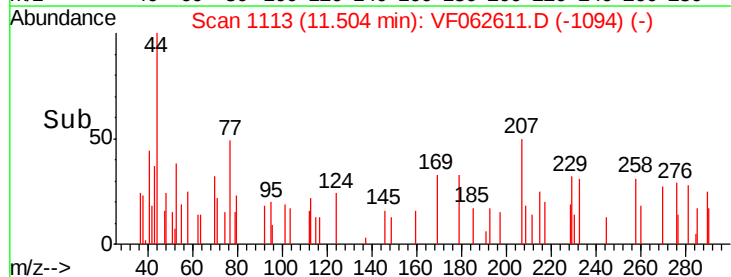
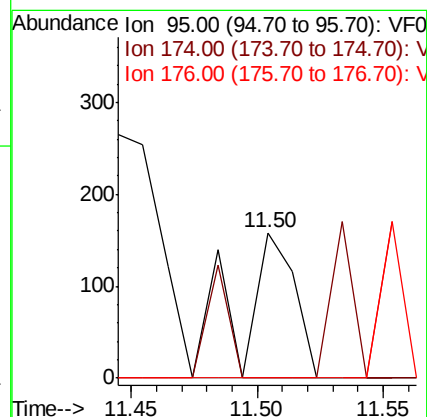
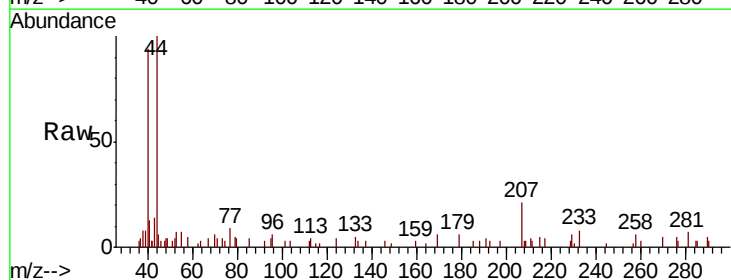
Tgt Ion: 95 Resp: 245

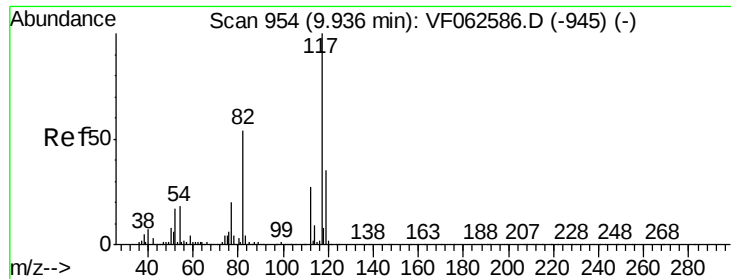
Ion Ratio Lower Upper

95 100

174 0.0 0.0 166.6

176 0.0 0.0 161.8

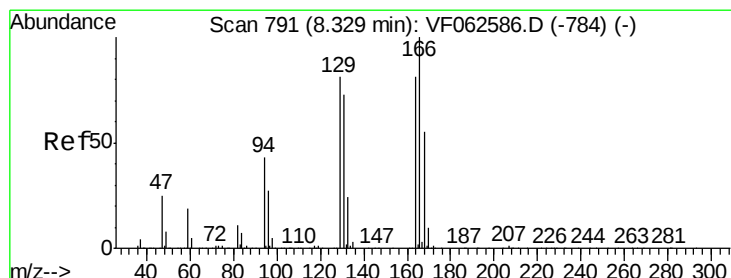
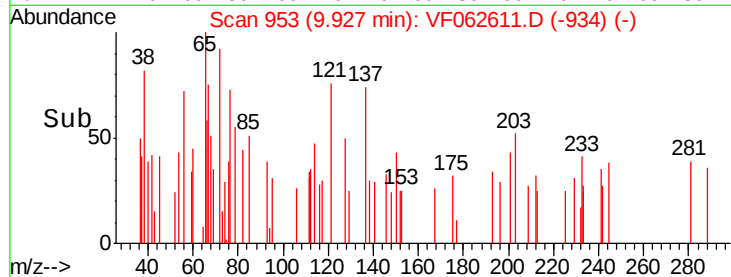
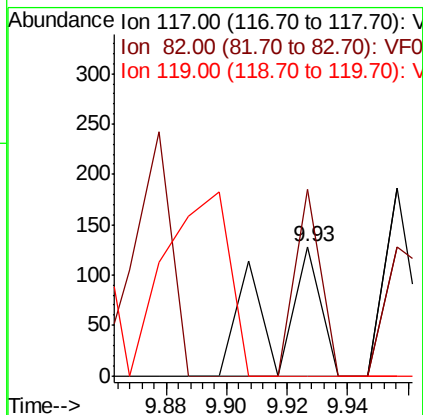
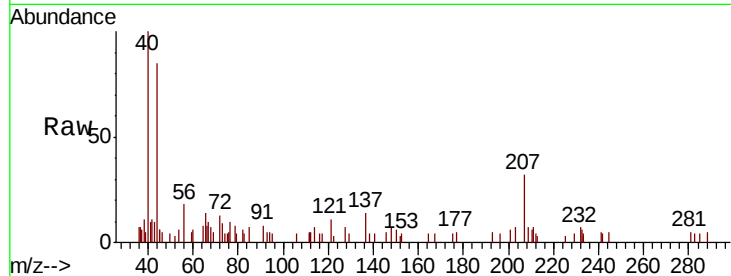




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

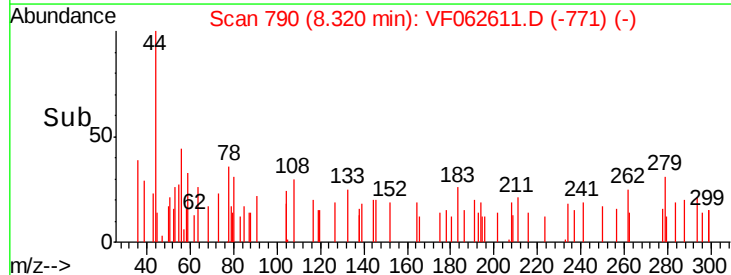
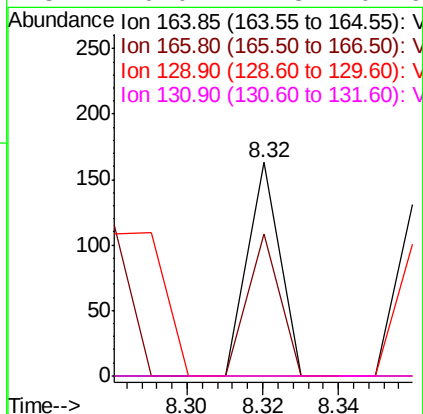
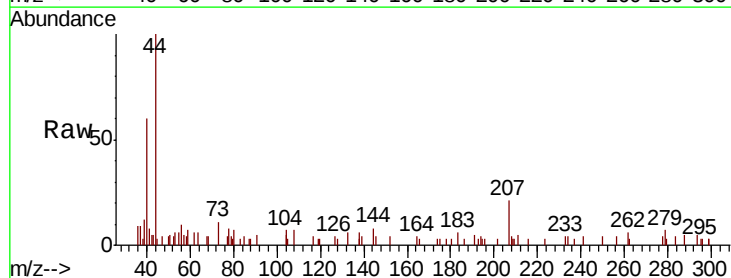
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

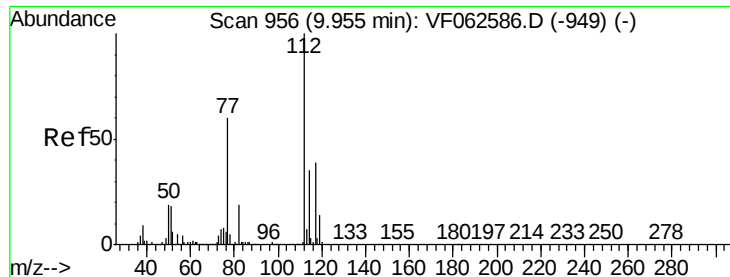
Tot Ion:117 Resp: 143
Ion Ratio Lower Upper
117 100
82 144.5 43.4 65.0#
119 0.0 27.7 41.5#



#64
Tetrachloroethene
Concen: 101.594 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion:164 Resp: 96
Ion Ratio Lower Upper
164 100
166 66.3 98.6 148.0#
129 0.0 80.2 120.4#
131 0.0 71.8 107.6#

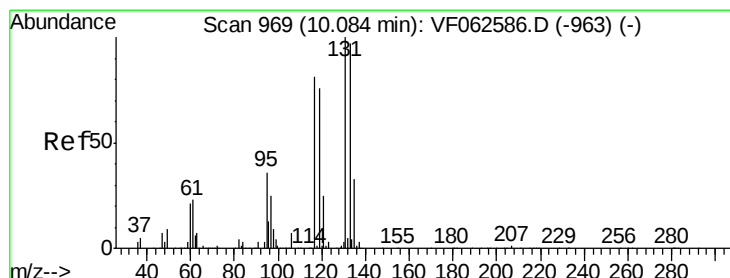
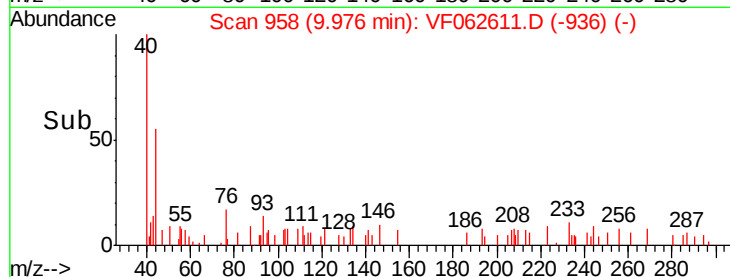
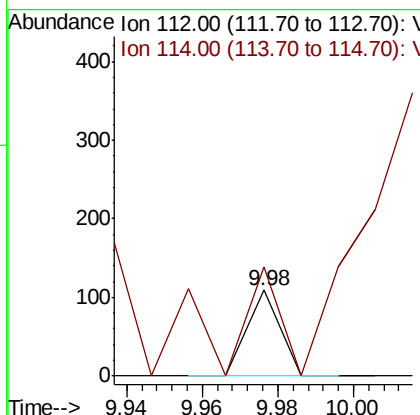
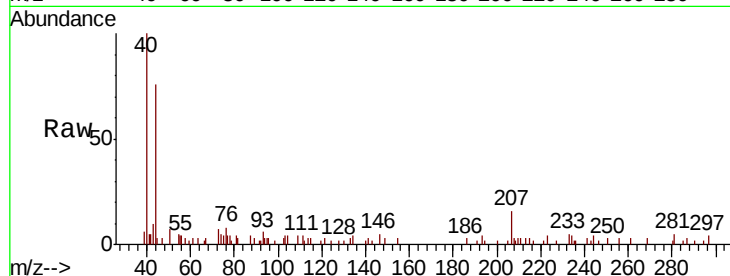




#65
Chlorobenzene
Concen: 25.743 ug/l
RT: 9.98 min Scan# 958
Delta R.T. 0.02 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

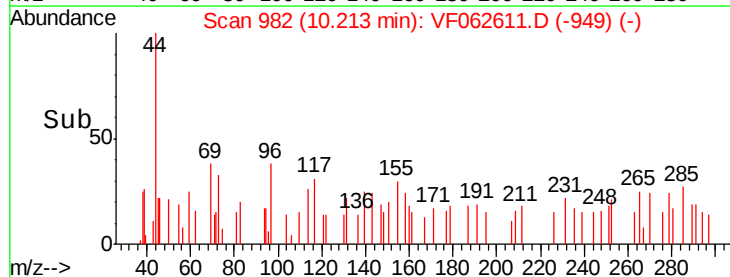
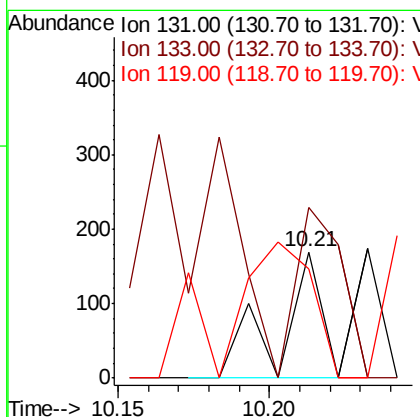
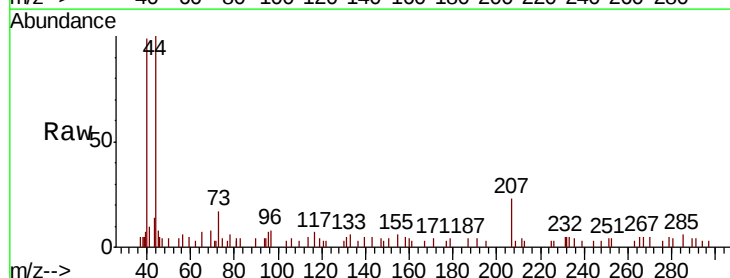
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

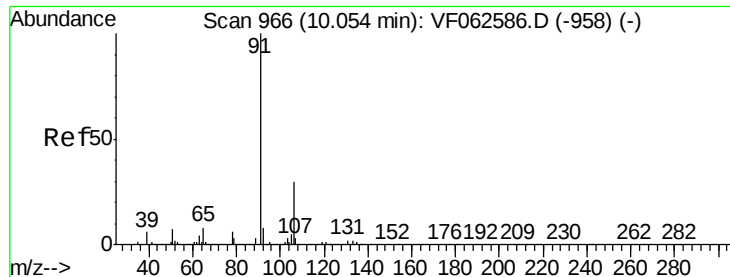
Tot Ion:112 Resp: 64
Ion Ratio Lower Upper
112 100
114 127.5 27.9 41.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 155.709 ug/l
RT: 10.21 min Scan# 982
Delta R.T. 0.13 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion:131 Resp: 159
Ion Ratio Lower Upper
131 100
133 135.5 48.4 145.3
119 86.4 38.5 115.5





#67

Ethyl Benzene

Concen: 39.393 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

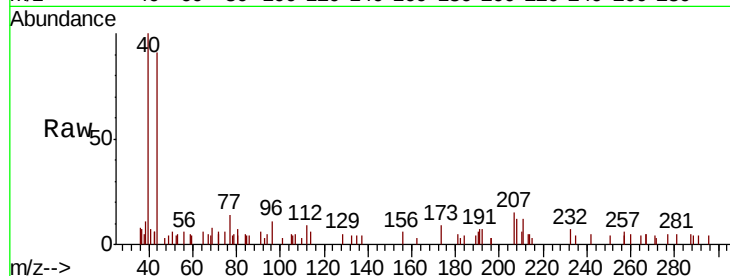
RBR-200050RE

Tot Ion: 91 Resp: 174

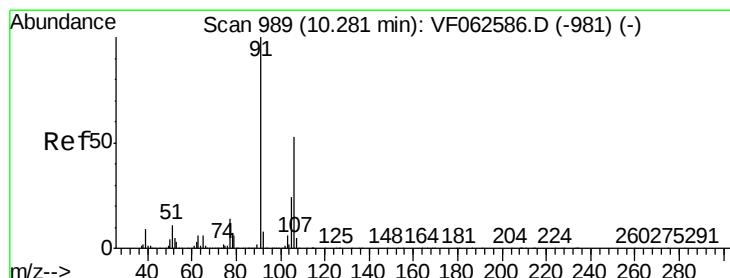
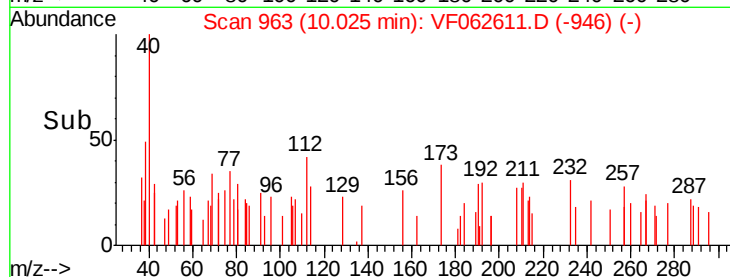
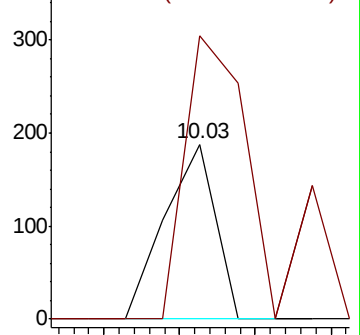
Ion Ratio Lower Upper

91 100

106 161.7 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0



#68

m/p-Xylenes

Concen: 53.016 ug/l

RT: 10.32 min Scan# 993

Delta R.T. 0.04 min

Lab File: VF062611.D

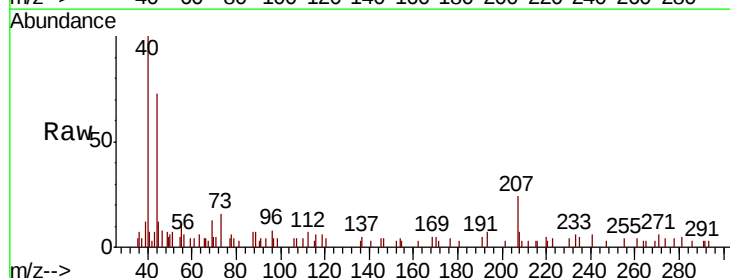
Acq: 15 May 2019 16:20

Tgt Ion: 106 Resp: 83

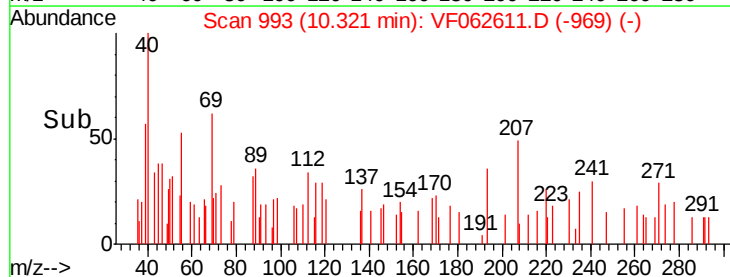
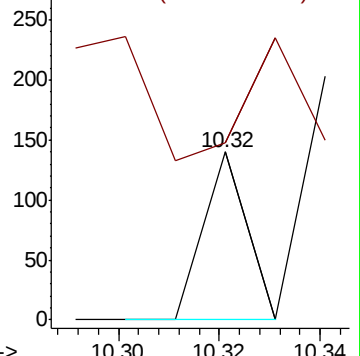
Ion Ratio Lower Upper

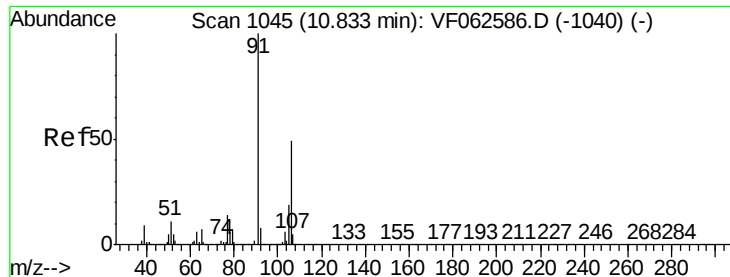
106 100

91 105.7 150.5 225.7#



Abundance Ion 106.00 (105.70 to 106.70): V

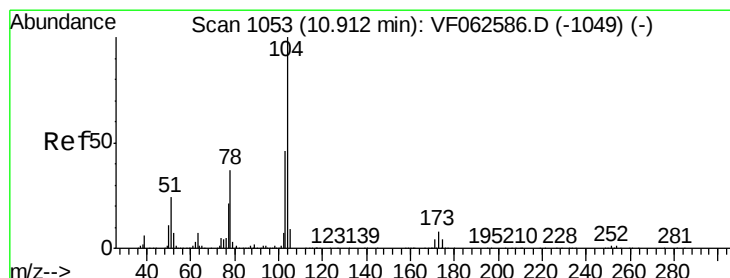
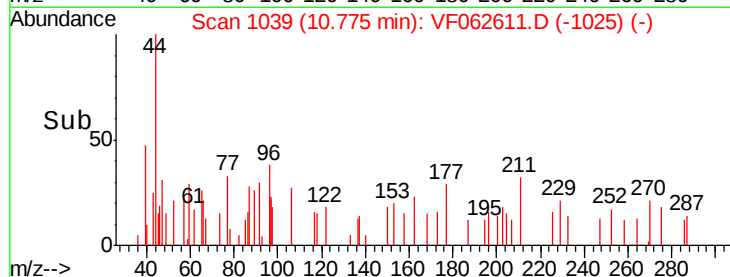
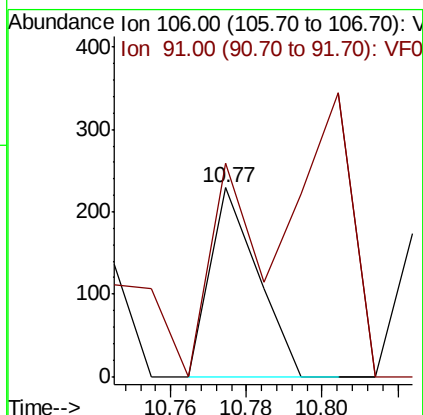
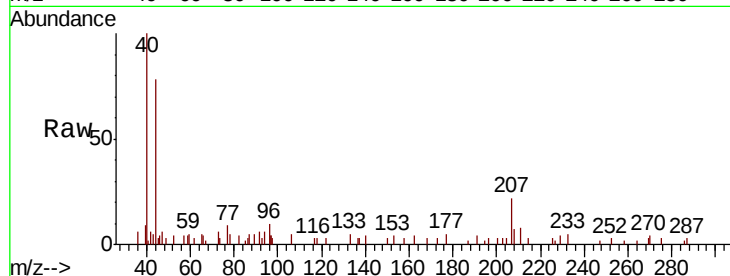




#69
o-Xylene
Concen: 121.171 ug/l
RT: 10.77 min Scan# 1039
Delta R.T. -0.06 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

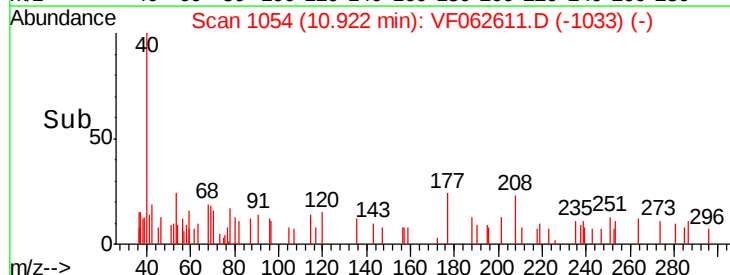
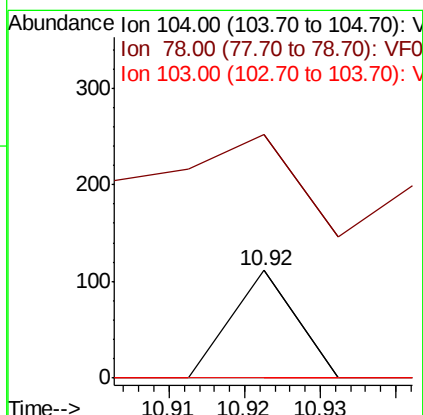
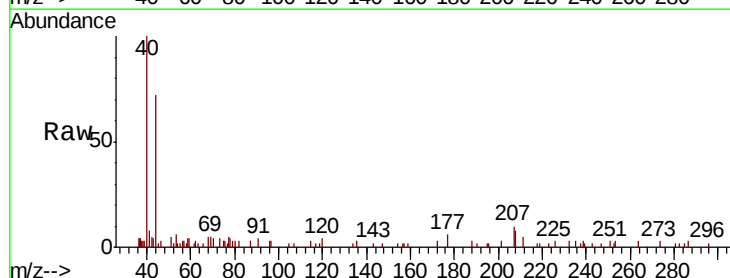
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

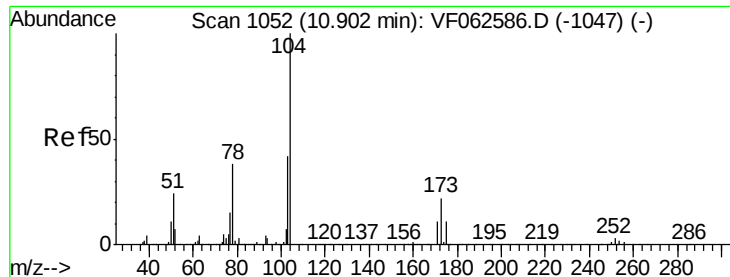
Tot Ion:106 Resp: 199
Ion Ratio Lower Upper
106 100
91 113.1 102.0 305.9



#70
Styrene
Concen: 26.448 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion:104 Resp: 66
Ion Ratio Lower Upper
104 100
78 227.0 30.2 45.2#
103 0.0 37.0 55.6#





#71

Bromoform

Concen: 703.001 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.05 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

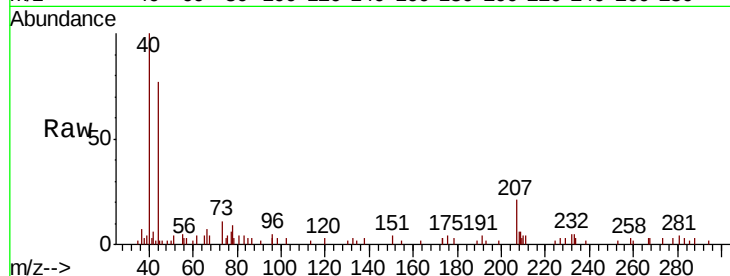
Tot Ion:173 Resp: 338

Ion Ratio Lower Upper

173 100

175 60.2 24.1 72.3

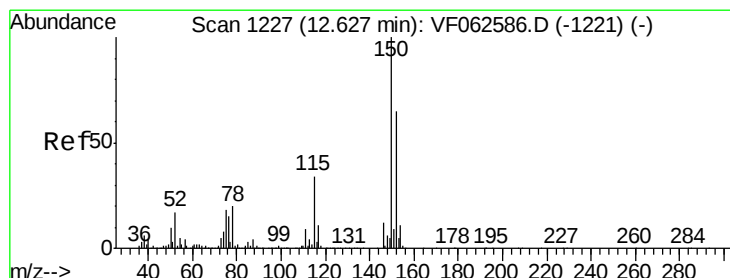
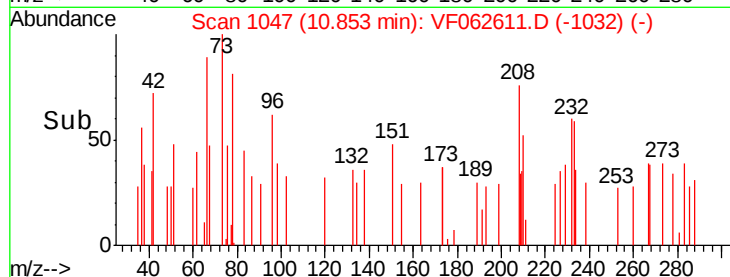
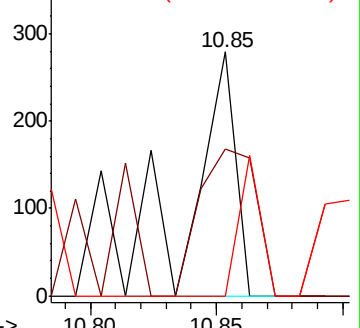
254 0.0 0.0 0.0



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: 12.48 min Scan# 1212

Delta R.T. -0.15 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

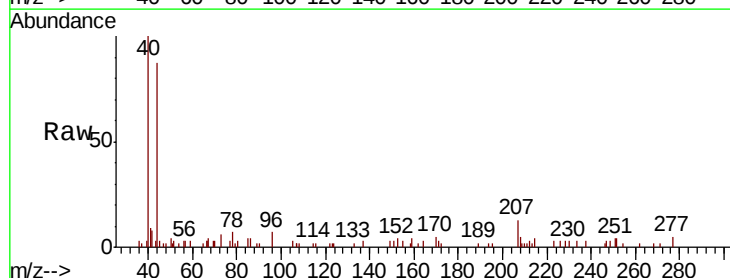
Tgt Ion:152 Resp: 122

Ion Ratio Lower Upper

152 100

115 61.8 26.2 78.6

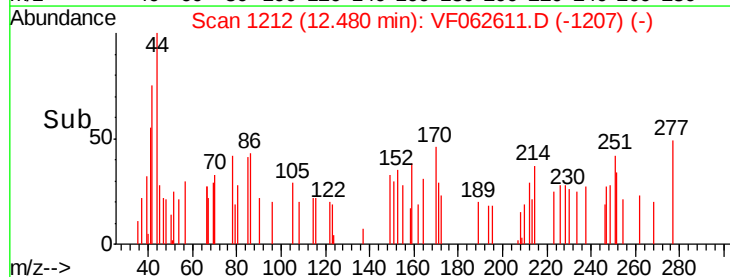
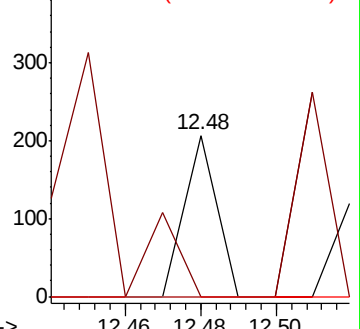
150 0.0 0.0 316.0

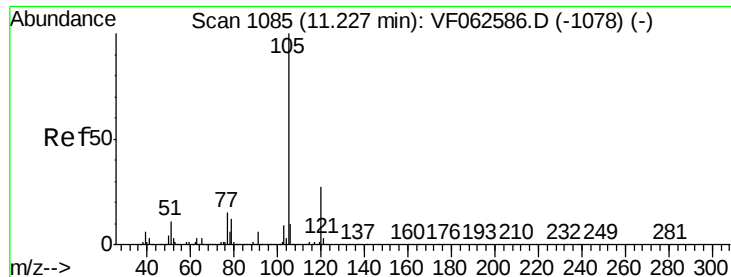


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 34.622 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

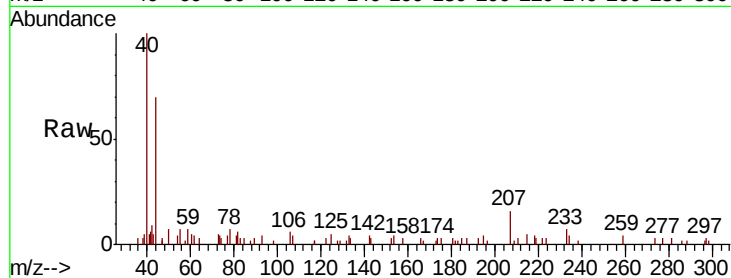
RBR-200050RE

Tot Ion:105 Resp: 284

Ion Ratio Lower Upper

105 100

120 0.0 13.5 40.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

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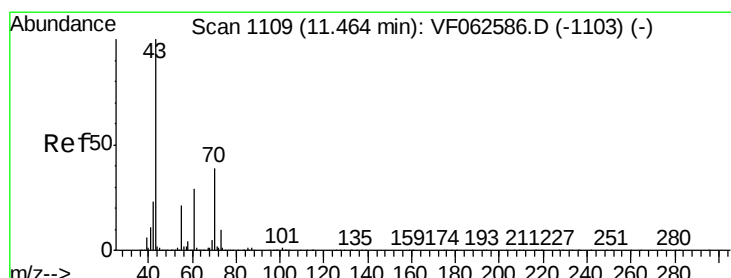
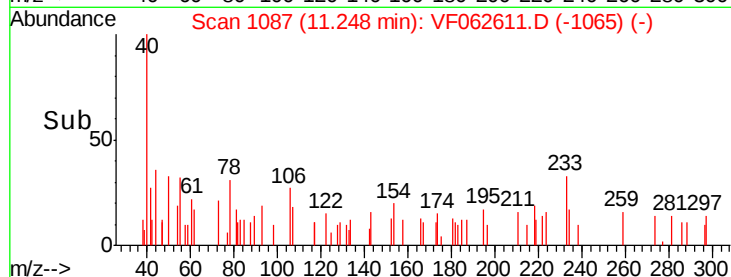
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#74

N-ethyl acetate

Concen: 397.637 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Tgt Ion: 43 Resp: 792

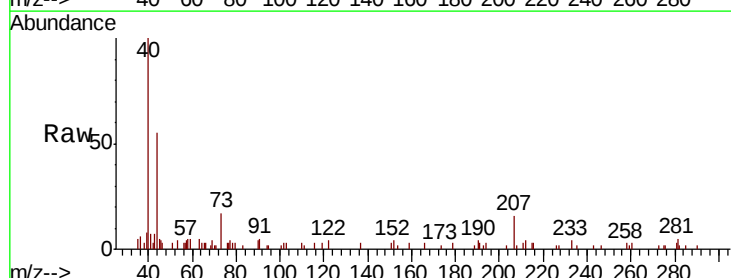
Ion Ratio Lower Upper

43 100

70 27.6 31.0 46.4#

55 0.0 16.7 25.1#

61 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

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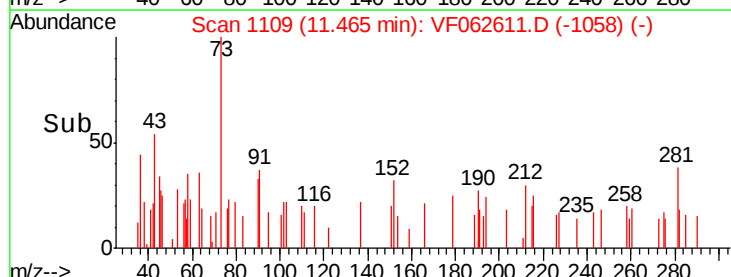
11.46

11.46

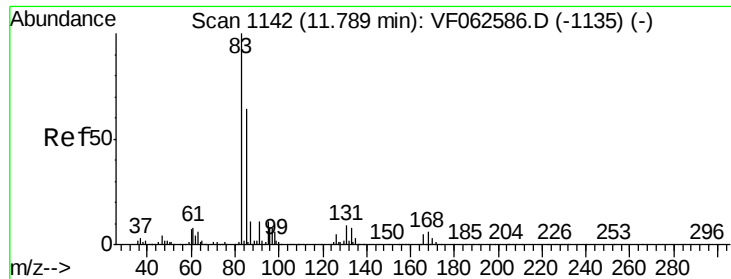
11.46

11.46

11.46



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 268.374 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

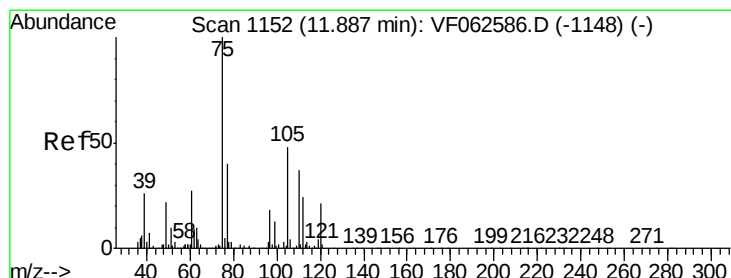
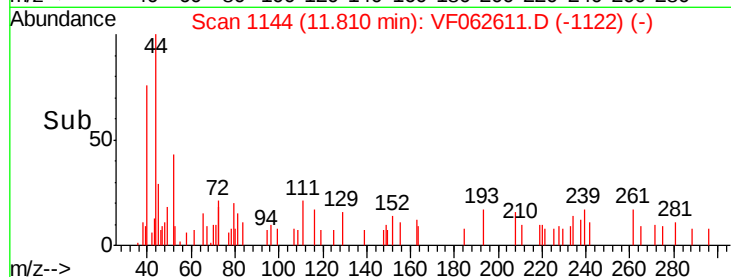
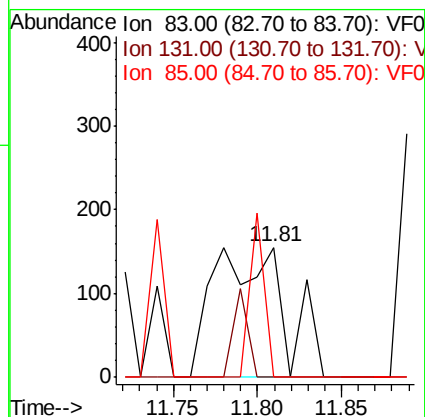
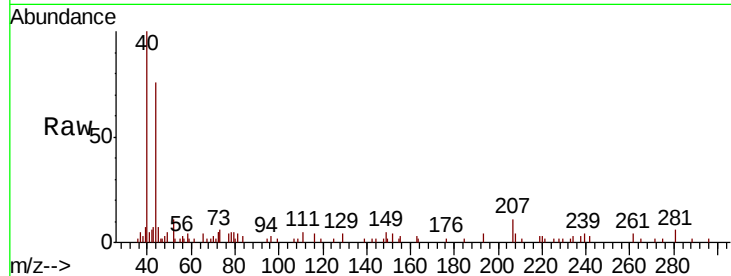
Tot Ion: 83 Resp: 451

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 299.813 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.09 min

Lab File: VF062611.D

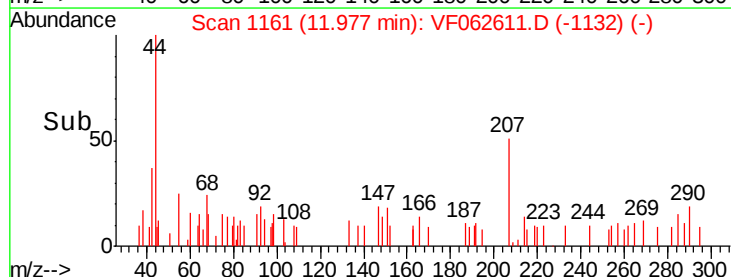
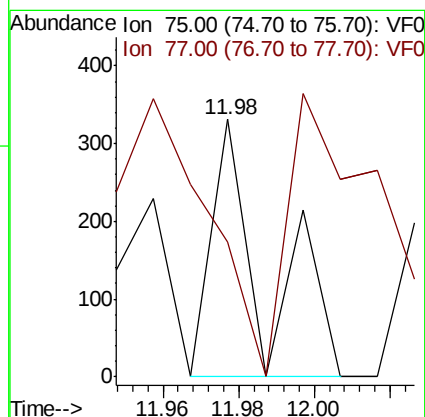
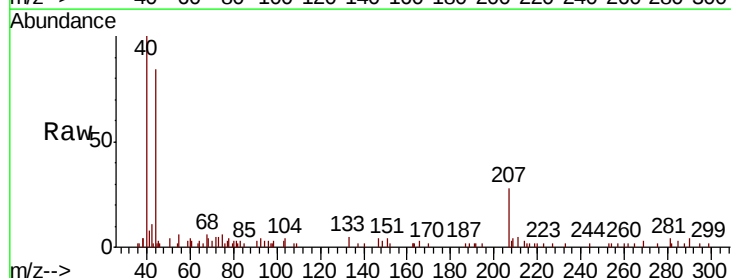
Acq: 15 May 2019 16:20

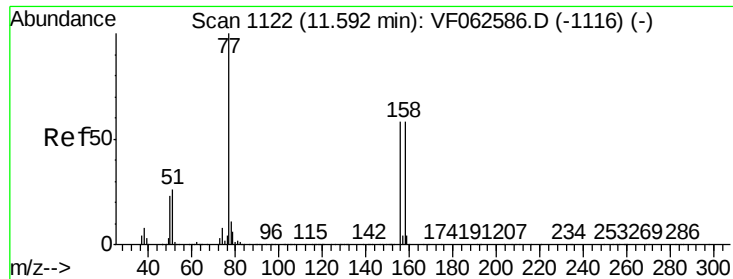
Tgt Ion: 75 Resp: 323

Ion Ratio Lower Upper

75 100

77 52.6 20.4 61.3





#77

Bromobenzene

Concen: 95.484 ug/l

RT: 11.62 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

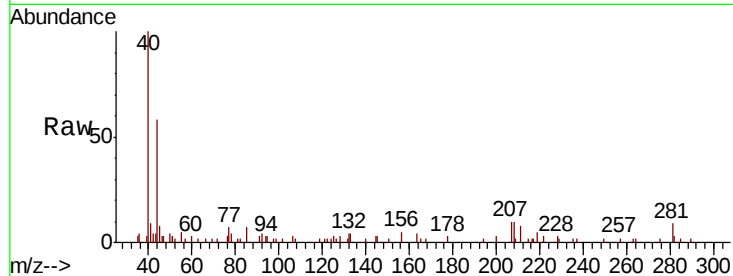
Tot Ion:156 Resp: 177

Ion Ratio Lower Upper

156 100

77 134.8 86.5 259.5

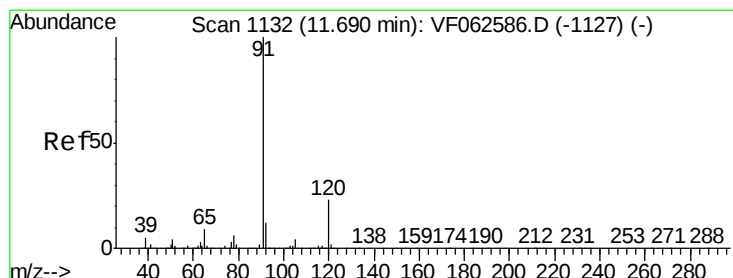
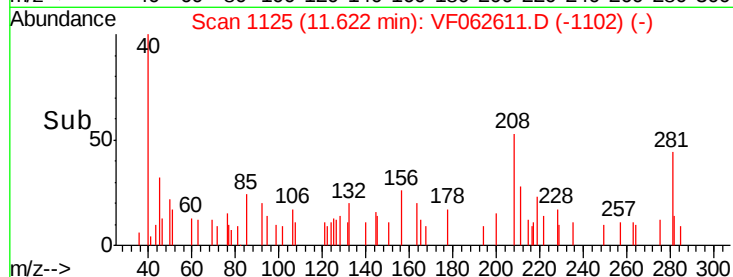
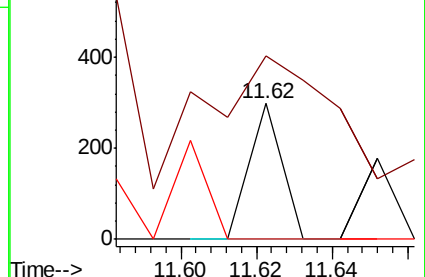
158 0.0 50.3 150.9#



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: 22.138 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. 0.03 min

Lab File: VF062611.D

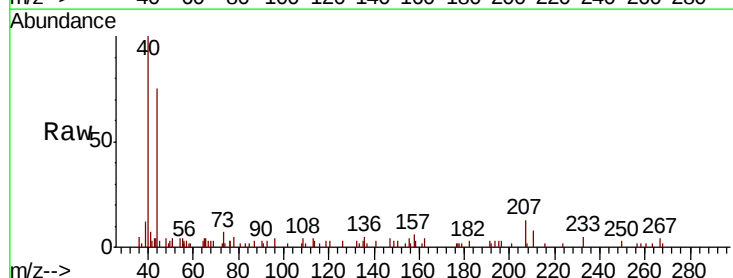
Acq: 15 May 2019 16:20

Tgt Ion: 91 Resp: 216

Ion Ratio Lower Upper

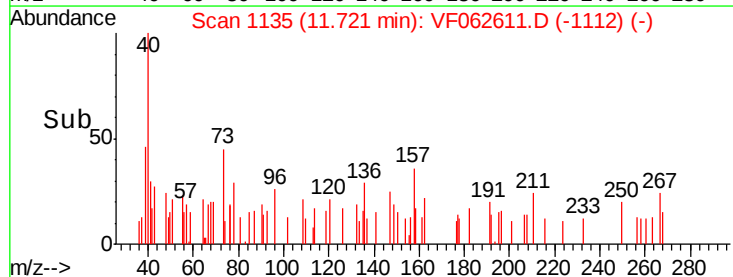
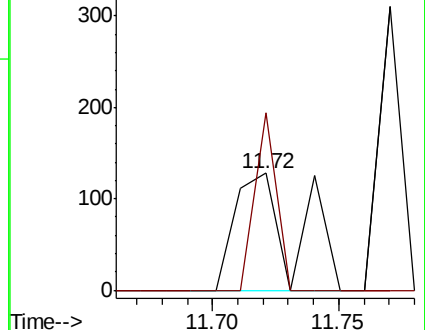
91 100

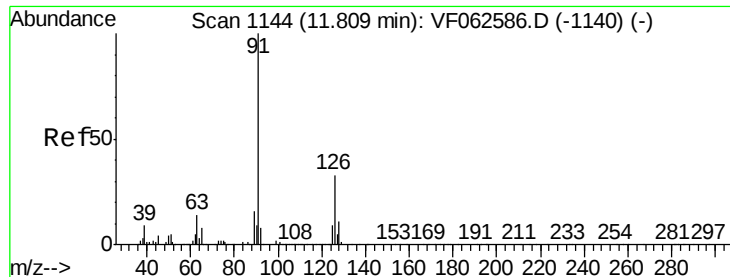
120 151.6 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.214 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.04 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

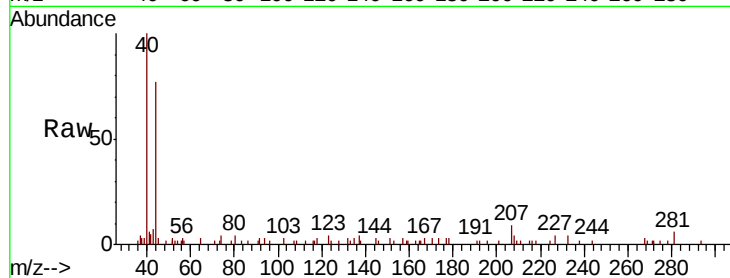
RBR-200050RE

Tot Ion: 91 Resp: 265

Ion Ratio Lower Upper

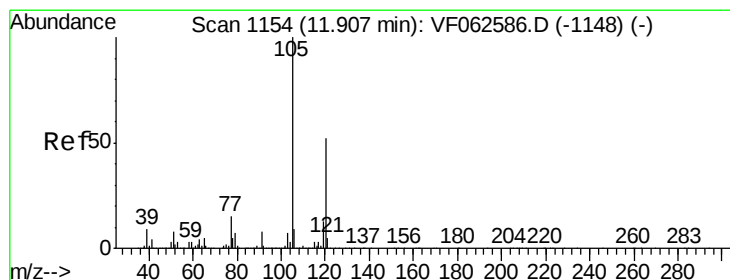
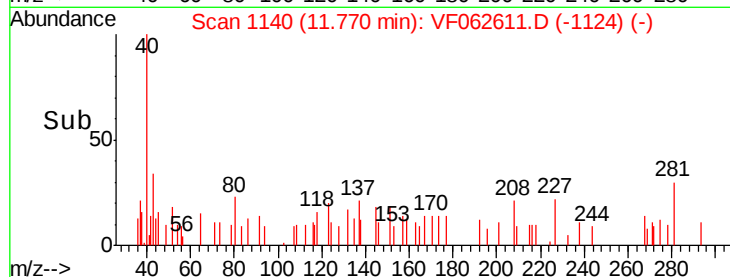
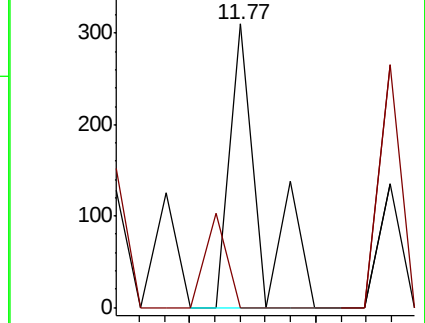
91 100

126 0.0 16.6 49.8#



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: 23.516 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF062611.D

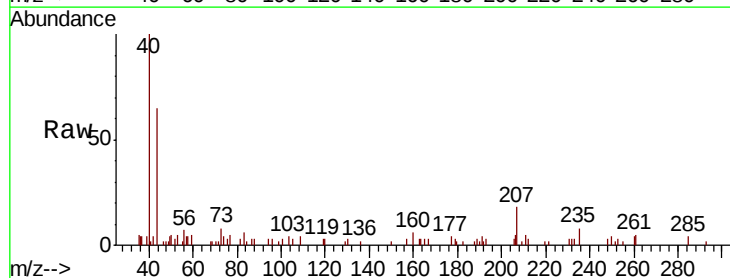
Acq: 15 May 2019 16:20

Tgt Ion:105 Resp: 151

Ion Ratio Lower Upper

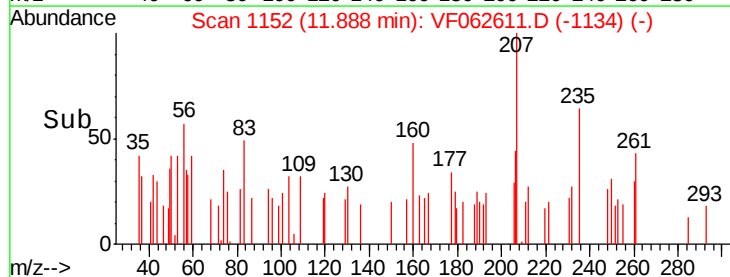
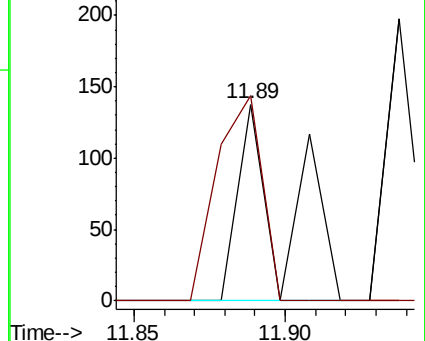
105 100

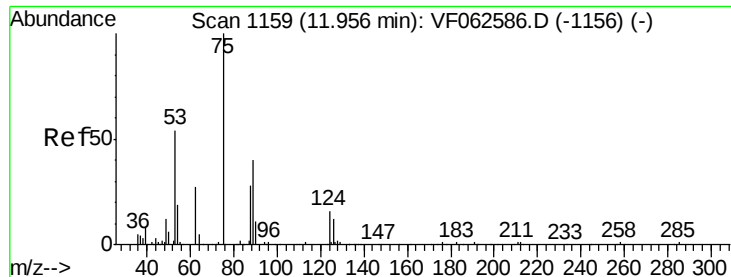
120 104.3 25.9 77.6#



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: 611.944 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

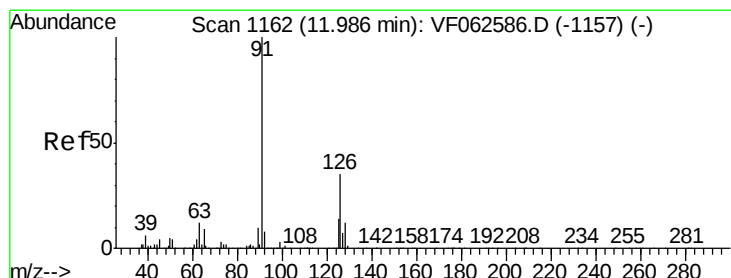
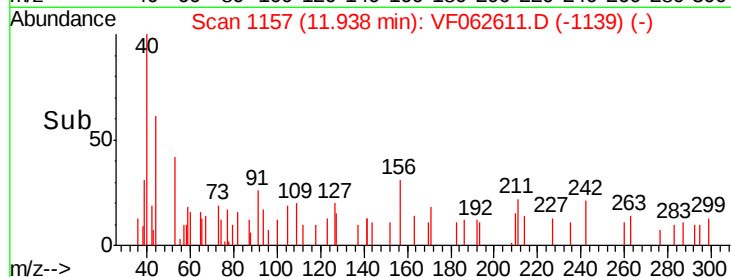
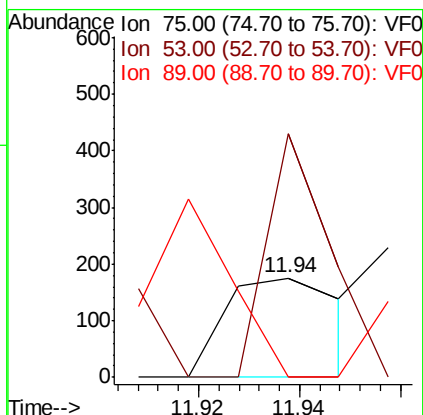
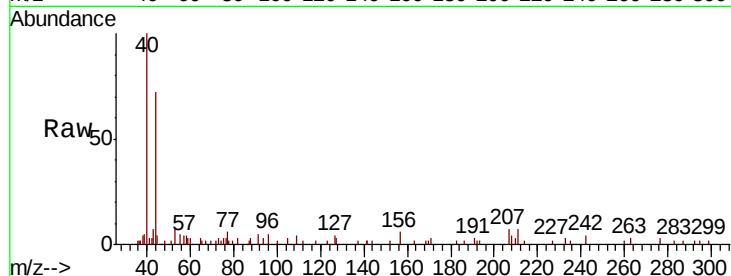
Tot Ion: 75 Resp: 281

Ion Ratio Lower Upper

75 100

53 245.7 46.6 70.0#

89 0.0 33.8 50.8#



#82

4-Chlorotoluene

Concen: 92.877 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062611.D

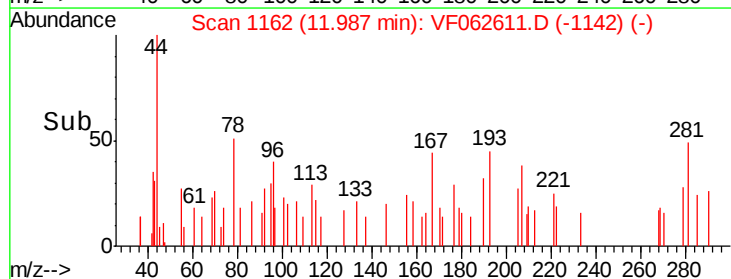
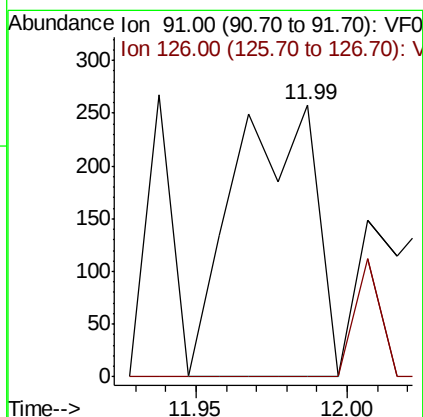
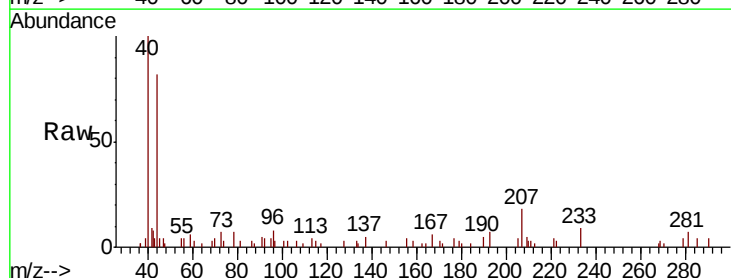
Acq: 15 May 2019 16:20

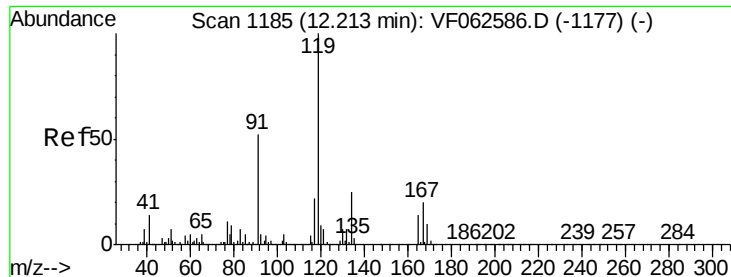
Tgt Ion: 91 Resp: 489

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#

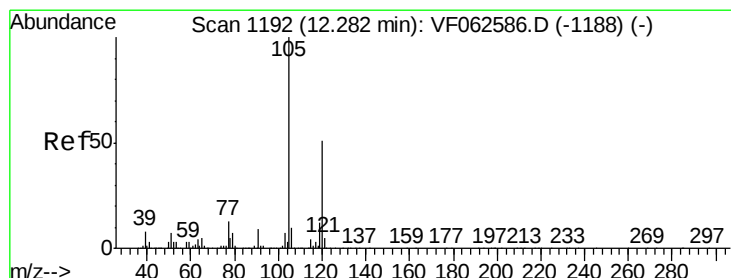
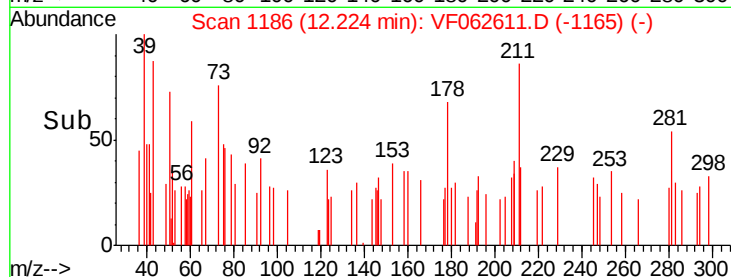
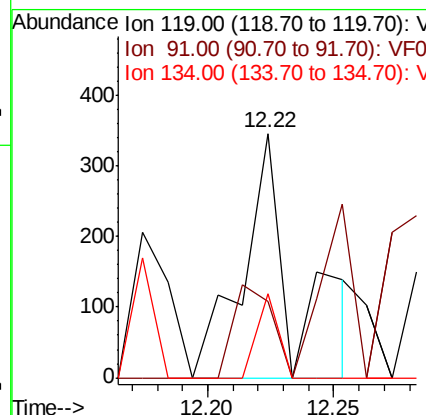
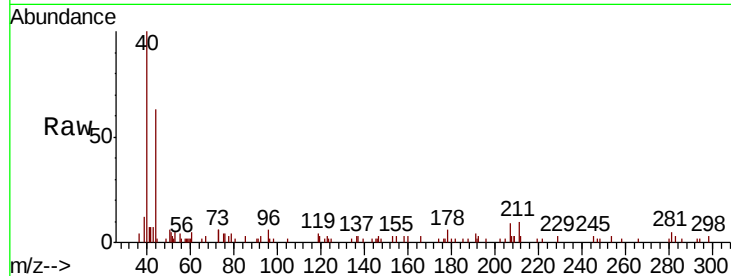




#83
tert-Butylbenzene
Concen: 75.335 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

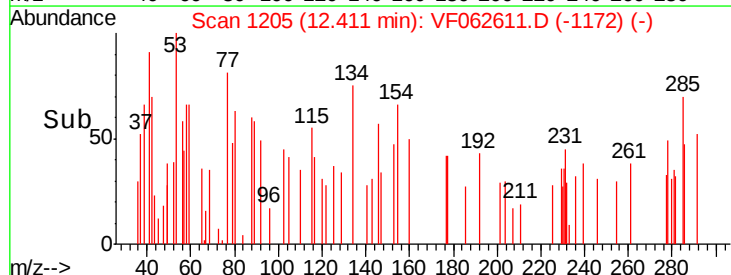
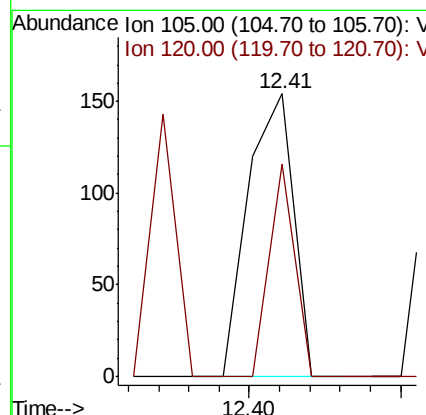
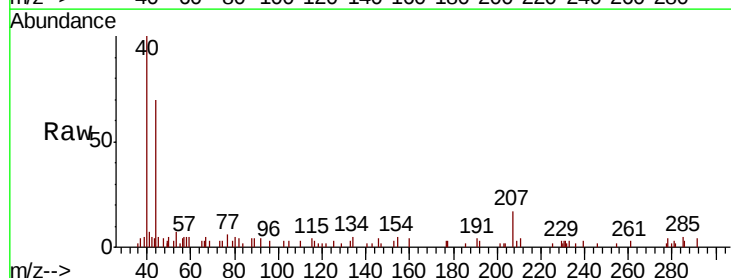
Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

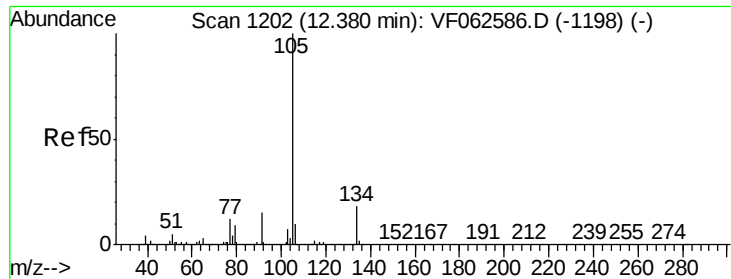
Tot Ion:119 Resp: 506
Ion Ratio Lower Upper
119 100
91 31.5 26.0 78.0
134 34.4 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 25.684 ug/l
RT: 12.41 min Scan# 1205
Delta R.T. 0.13 min
Lab File: VF062611.D
Acq: 15 May 2019 16:20

Tgt Ion:105 Resp: 162
Ion Ratio Lower Upper
105 100
120 75.3 25.4 76.0





#85

sec-Butylbenzene

Concen: 17.765 ug/l

RT: 12.41 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

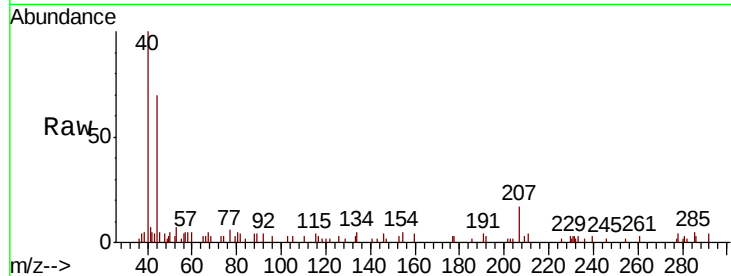
RBR-200050RE

Tot Ion:105 Resp: 162

Ion Ratio Lower Upper

105 100

134 181.8 9.3 27.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300

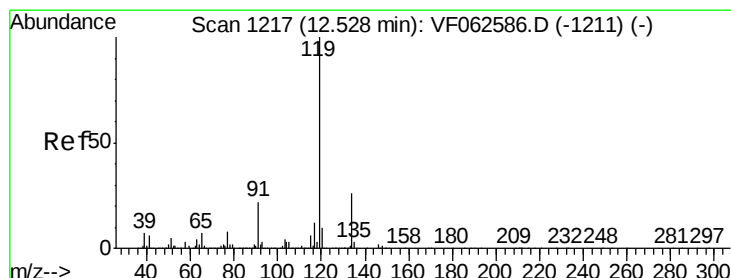
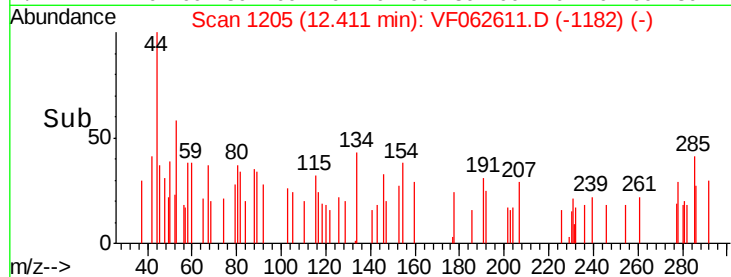
200

100

0

12.41

Time-->



#86

p-Isopropyltoluene

Concen: 15.187 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

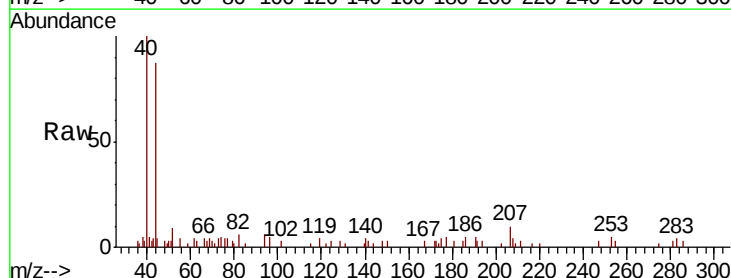
Tgt Ion:119 Resp: 114

Ion Ratio Lower Upper

119 100

134 0.0 13.0 39.0#

91 0.0 10.9 32.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300

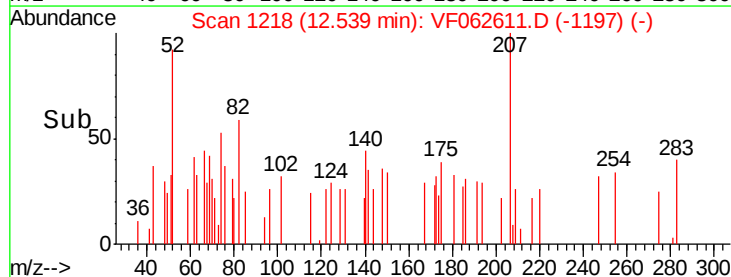
200

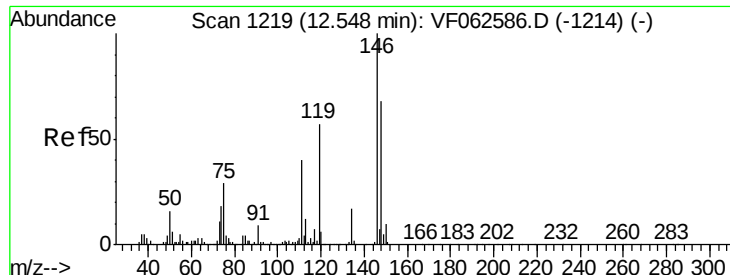
100

0

12.54

Time-->





#87

1,3-Dichlorobenzene

Concen: 28.133 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

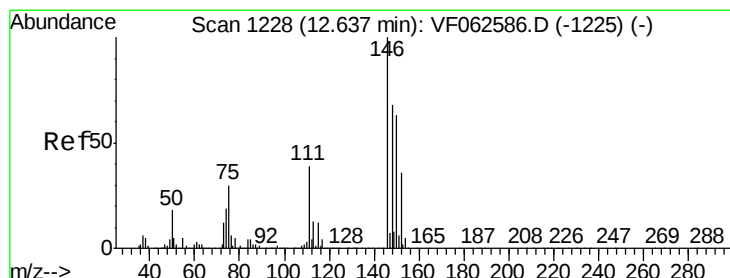
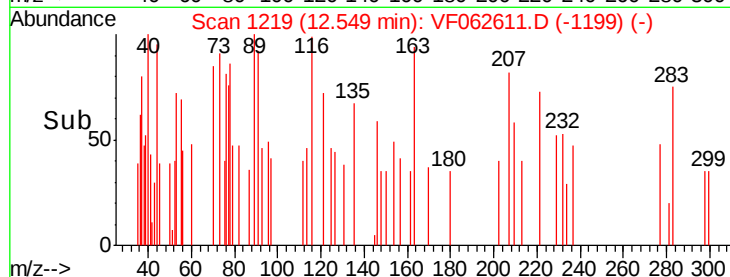
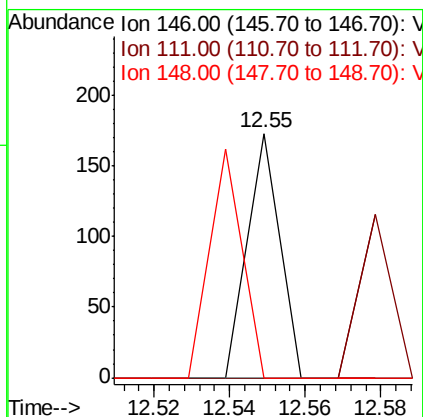
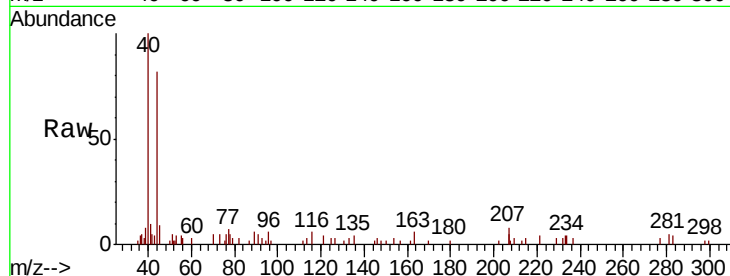
Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
RBR-200050RE

Tot Ion:146 Resp: 102

Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.1	60.2#
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 77.327 ug/l

RT: 12.63 min Scan# 1227

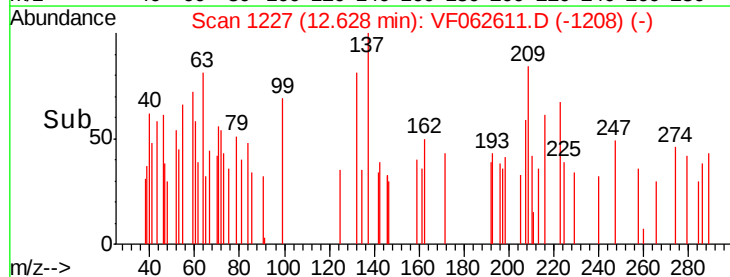
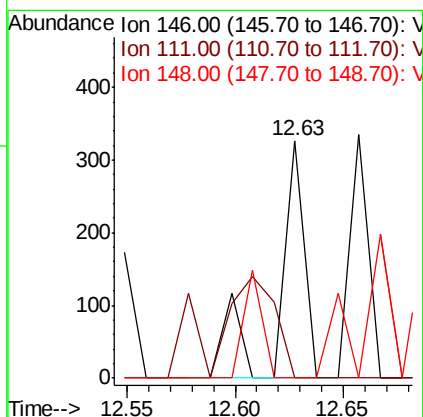
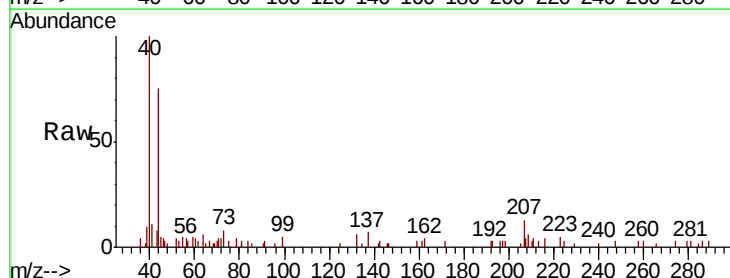
Delta R.T. -0.01 min

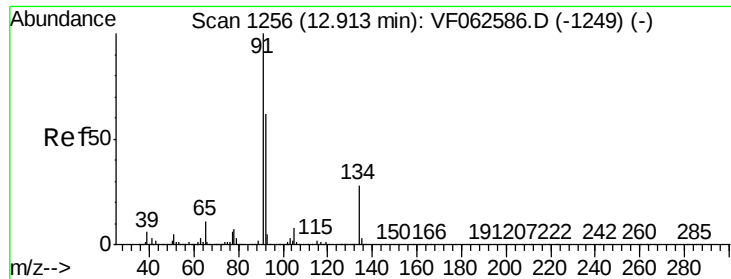
Lab File: VF062611.D

Acq: 15 May 2019 16:20

Tgt Ion:146 Resp: 263

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.1#
148	0.0	34.2	102.5#





#89

n-Butylbenzene

Concen: 7.853 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

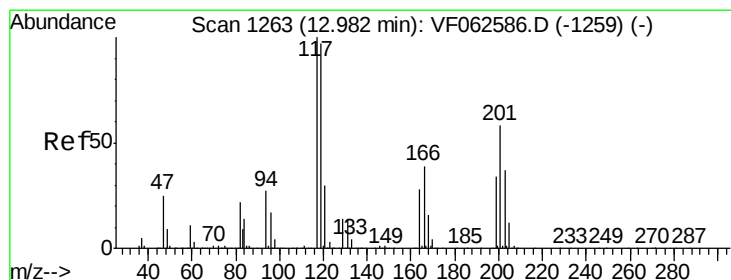
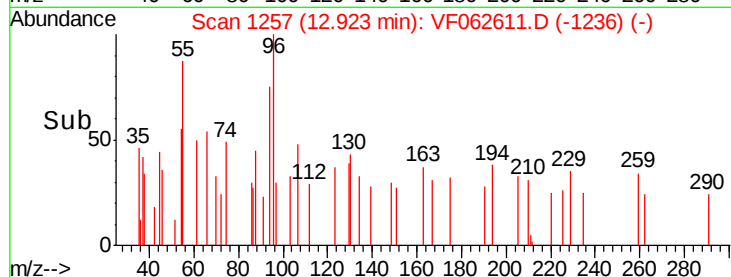
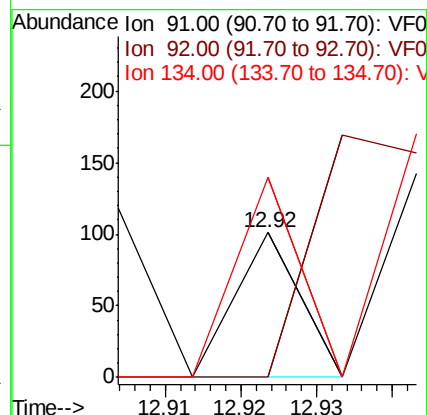
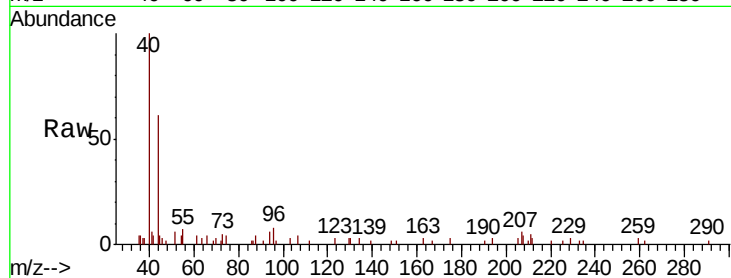
Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

92 0.0 30.9 92.8#

134 138.6 13.9 41.6#



#90

Hexachloroethane

Concen: 32.765 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VF062611.D

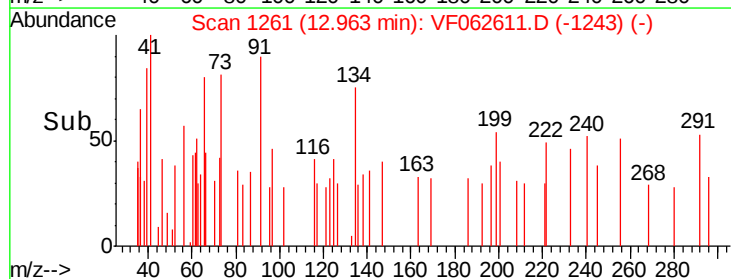
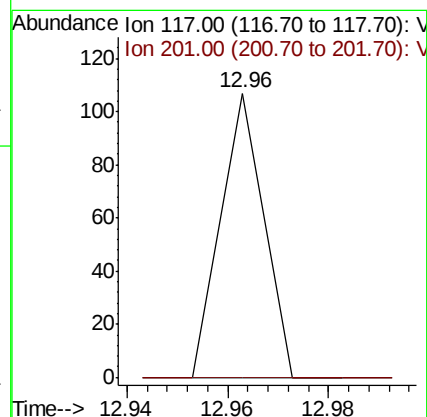
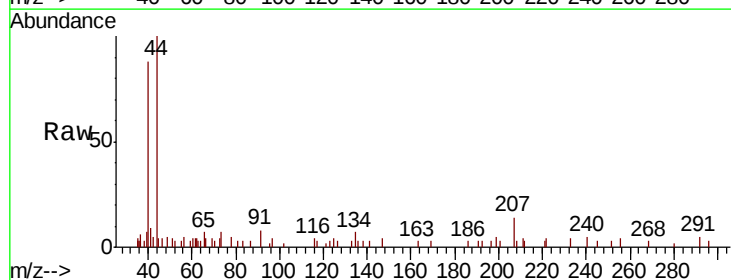
Acq: 15 May 2019 16:20

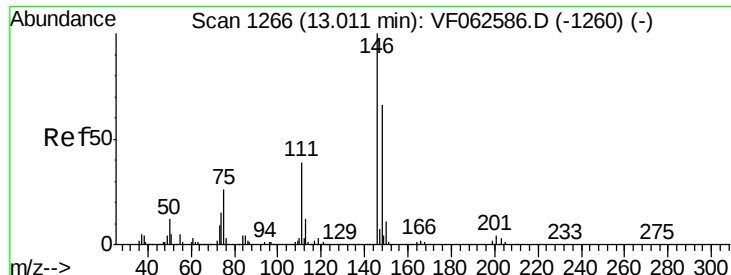
Tgt Ion: 117 Resp: 63

Ion Ratio Lower Upper

117 100

201 0.0 29.7 89.1#

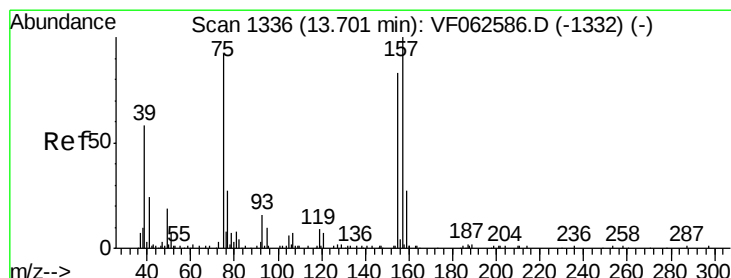
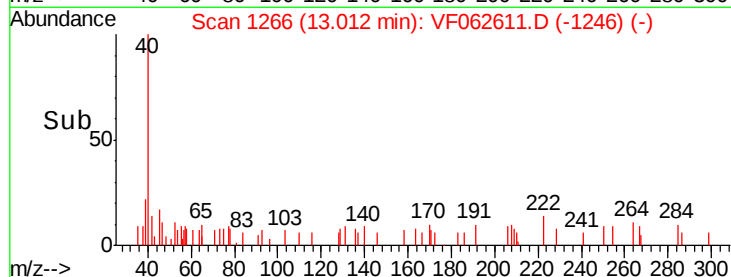
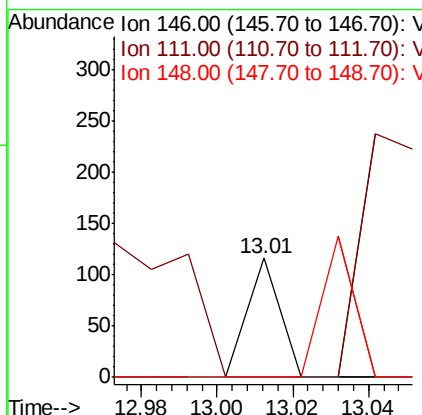
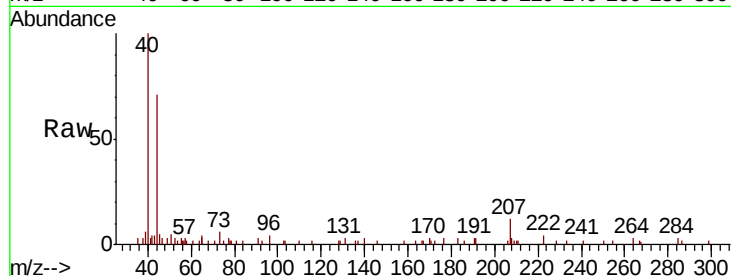




#91
 1,2-Dichlorobenzene
 Concen: 21.452 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

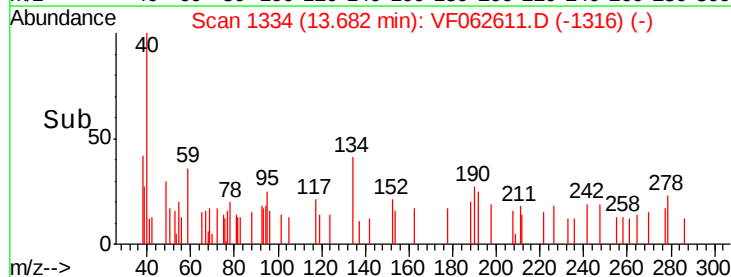
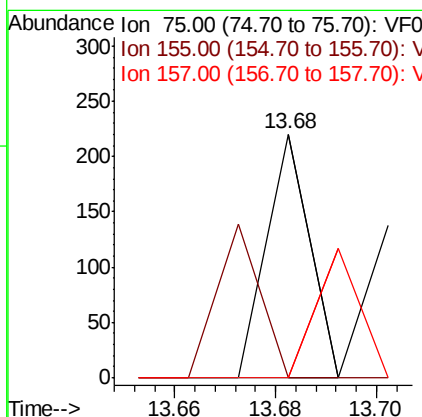
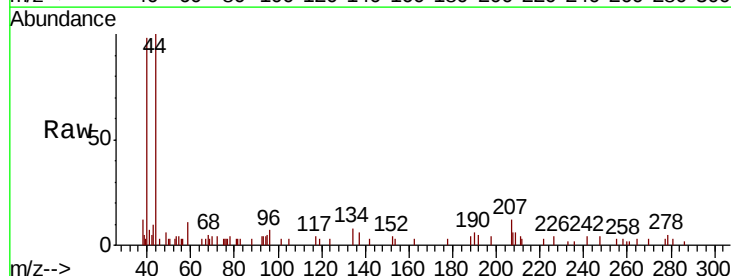
Instrument :
 MSVOA_F
 ClientSampleId :
 RBR-200050RE

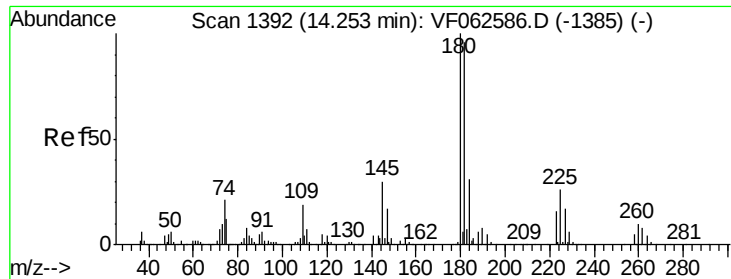
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.1	99.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 629.779 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VF062611.D
 Acq: 15 May 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.8	134.4#
157	0.0	54.1	162.3#





#93

1,2,4-Trichlorobenzene

Concen: 76.452 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.03 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

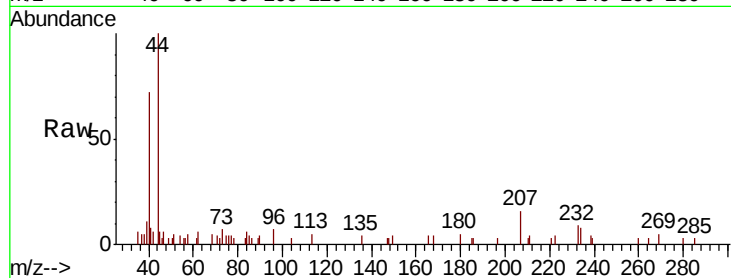
Tot Ion:180 Resp: 171

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

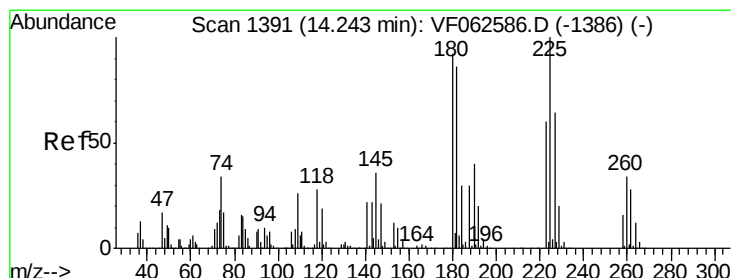
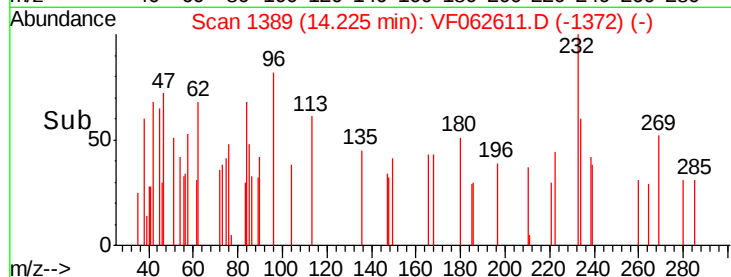
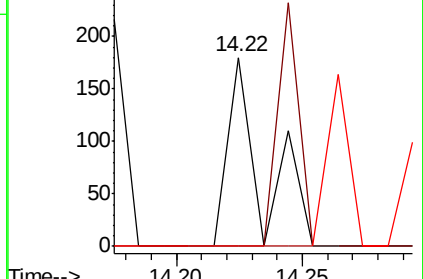
145 0.0 14.8 44.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 88.011 ug/l

RT: 14.28 min Scan# 1395

Delta R.T. 0.04 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

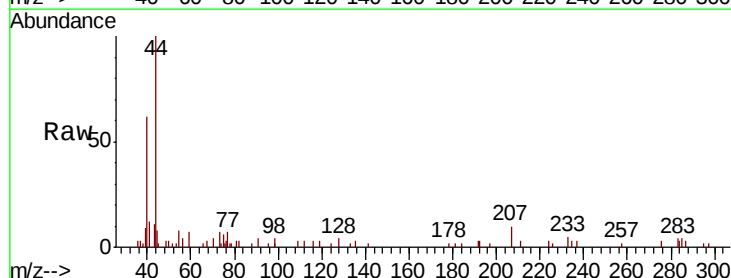
Tgt Ion:225 Resp: 143

Ion Ratio Lower Upper

225 100

223 0.0 29.9 89.7#

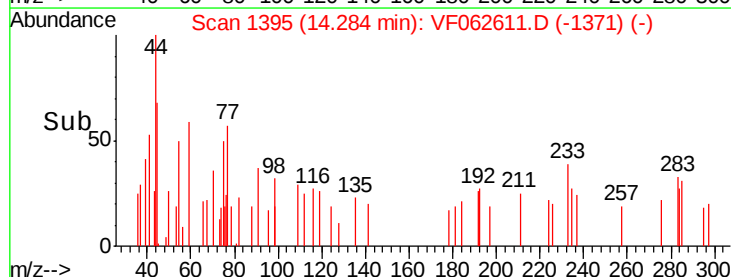
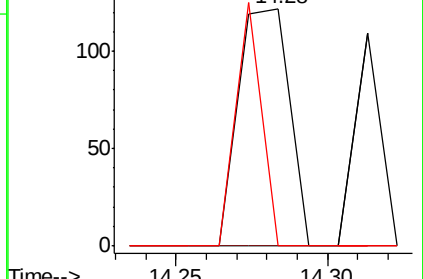
227 0.0 31.9 95.9#

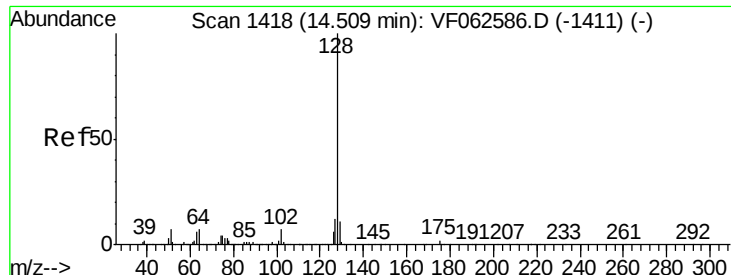


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 22.799 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

RBR-200050RE

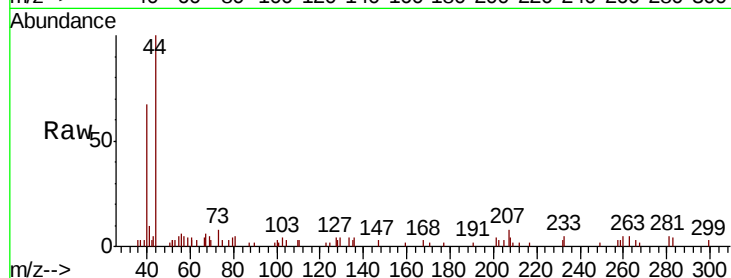
Tot Ion:128 Resp: 83

Ion Ratio Lower Upper

128 100

127 124.1 9.5 14.3#

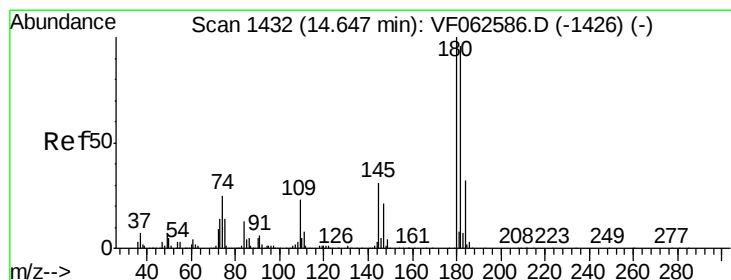
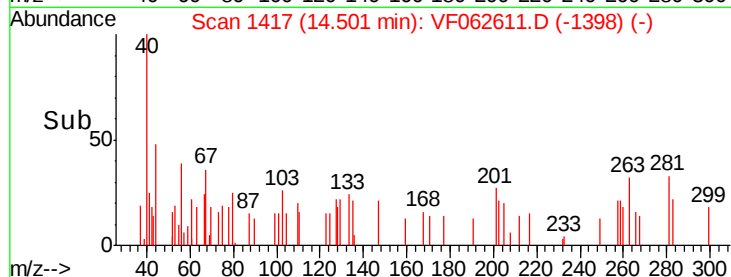
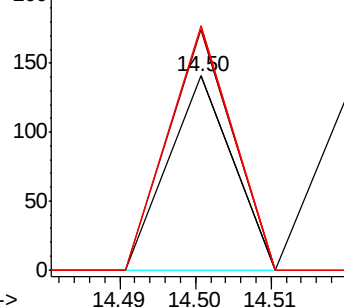
129 125.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 34.217 ug/l

RT: 14.75 min Scan# 1442

Delta R.T. 0.10 min

Lab File: VF062611.D

Acq: 15 May 2019 16:20

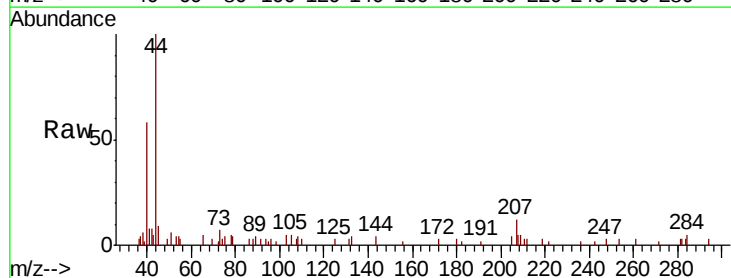
Tgt Ion:180 Resp: 71

Ion Ratio Lower Upper

180 100

182 90.0 48.1 144.3

145 0.0 15.6 46.7#



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

