

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\
 Data File : VF062608.D
 Acq On : 15 May 2019 14:56
 Operator : FY/SY
 Sample : K2801-01
 Misc : 6.47g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1873

Quant Time: May 15 15:22:31 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	5.08	168	2468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	2182	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	62	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	77	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	713	38.24	ug/l	-0.02
Spiked Amount			Recovery	=	76.48%	
35) Dibromofluoromethane	4.32	113	753	46.37	ug/l	-0.02
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	7.72	98	201	5.25	ug/l	-0.02
Spiked Amount			Recovery	=	10.50%	
62) 4-Bromofluorobenzene	11.48	95	203	15.19	ug/l	-0.04
Spiked Amount			Recovery	=	30.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	302	8.500	ug/l #	45
3) Chloromethane	1.01	50	345	12.258	ug/l	91
4) Vinyl Chloride	1.18	62	231	8.246	ug/l #	71
5) Bromomethane	1.41	94	538	39.020	ug/l	84
6) Chloroethane	1.54	64	229	21.527	ug/l	88
7) Trichlorofluoromethane	1.56	101	388	10.109	ug/l #	18
8) Diethyl Ether	1.71	74	246	28.593	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.93	101	114	4.354	ug/l #	23
10) Methyl Iodide	2.00	142	424	9.093	ug/l #	36
11) Tert butyl alcohol	2.72	59	788	701.981	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	513	22.875	ug/l #	25
13) Acrolein	2.19	56	971	1305.208	ug/l	93
14) Allyl chloride	2.21	41	1036	45.146	ug/l #	90
15) Acrylonitrile	3.12	53	403	100.361	ug/l #	85
16) Acetone	2.19	43	391	103.350	ug/l	91
17) Carbon Disulfide	1.91	76	213	Below Cal	#	1
18) Methyl Acetate	2.47	43	2099	293.839	ug/l #	48
19) Methyl tert-butyl Ether	2.56	73	914	22.890	ug/l #	70
20) Methylene Chloride	2.30	84	513	19.119	ug/l #	25
21) trans-1,2-Dichloroethene	2.41	96	442	19.556	ug/l #	1
22) Diisopropyl ether	2.93	45	721	13.513	ug/l #	54
23) Vinyl Acetate	3.37	43	425	14.563	ug/l #	32
24) 1,1-Dichloroethane	3.01	63	502	12.359	ug/l #	86
25) 2-Butanone	4.53	43	197	23.033	ug/l #	52
26) 2,2-Dichloropropane	3.72	77	400	18.248	ug/l	88
27) cis-1,2-Dichloroethene	3.66	96	312	9.771	ug/l	45
28) Bromochloromethane	3.94	49	309	13.534	ug/l #	14
29) Tetrahydrofuran	4.30	42	551	152.234	ug/l #	84
30) Chloroform	4.07	83	111	2.278	ug/l #	20
31) Cyclohexane	3.91	56	174	4.110	ug/l #	1
32) 1,1,1-Trichloroethane	4.32	97	155	4.718	ug/l #	22
36) 1,1-Dichloropropene	4.50	75	325	17.213	ug/l #	62
37) Ethyl Acetate	4.25	43	1332	171.675	ug/l #	18
38) Carbon Tetrachloride	4.21	117	200	12.913	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	720	32.570	ug/l #	85
40) Benzene	4.87	78	775	14.428	ug/l #	33
41) Methacrylonitrile	4.93	41	719	163.643	ug/l #	44
42) 1,2-Dichloroethane	5.17	62	88	7.720	ug/l	71
43) Isopropyl Acetate	7.13	43	293	31.913	ug/l #	83
44) Trichloroethene	5.72	130	113	7.790	ug/l	3
45) 1,2-Dichloropropane	6.31	63	198	14.645	ug/l	97
46) Dibromomethane	6.27	93	115	15.214	ug/l #	5
47) Bromodichloromethane	6.59	83	66	4.062	ug/l #	1
48) Methyl methacrylate	6.90	41	884	175.900	ug/l #	55
49) 1,4-Dioxane	6.89	88	156	2355.580	ug/l #	7
51) 4-Methyl-2-Pentanone	8.43	43	792	117.727	ug/l #	79
52) Toluene	7.80	92	691	25.627	ug/l #	24
53) t-1,3-Dichloropropene	8.42	75	211	16.436	ug/l #	58
54) cis-1,3-Dichloropropene	7.47	75	309	17.033	ug/l #	1
55) 1,1,2-Trichloroethane	8.68	97	259	32.081	ug/l #	7
56) Ethyl methacrylate	8.78	69	260	29.384	ug/l #	1
57) 1,3-Dichloropropane	9.03	76	72	5.403	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	189	68.267	ug/l #	1
59) 2-Hexanone	9.73	43	1134	255.227	ug/l	90
60) Dibromochloromethane	8.85	129	101	9.847	ug/l #	10
61) 1,2-Dibromoethane	9.17	107	78	9.633	ug/l	84
64) Tetrachloroethene	8.34	164	62	151.333	ug/l #	19
65) Chlorobenzene	9.96	112	85	78.858	ug/l #	40
66) 1,1,1,2-Tetrachloroethane	10.09	131	151	341.066	ug/l	89
67) Ethyl Benzene	10.05	91	441	230.280	ug/l #	44
68) m/p-Xylenes	10.32	106	72	106.074	ug/l #	1
69) o-Xylene	10.89	106	112	157.293	ug/l	77
70) Styrene	10.92	104	145	134.016	ug/l #	1
71) Bromoform	10.95	173	191	916.256	ug/l #	26
73) Isopropylbenzene	11.18	105	88	16.998	ug/l #	48
74) N-amyl acetate	11.46	43	1192	948.216	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.79	83	399	376.189	ug/l #	25
76) 1,2,3-Trichloropropane	11.90	75	460	676.512	ug/l #	9
77) Bromobenzene	11.57	156	61	52.138	ug/l #	53
78) n-propylbenzene	11.70	91	321	52.128	ug/l #	63
79) 2-Chlorotoluene	11.80	91	66	19.420	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	198	48.857	ug/l #	26
81) trans-1,4-Dichloro-2-buten	12.01	75	521	1797.679	ug/l #	72
82) 4-Chlorotoluene	12.02	91	382	114.956	ug/l #	40
83) tert-Butylbenzene	12.24	119	296	69.825	ug/l #	72
84) 1,2,4-Trimethylbenzene	12.30	105	320	80.383	ug/l	76
85) sec-Butylbenzene	12.38	105	635	110.332	ug/l #	59
86) p-Isopropyltoluene	12.56	119	153	32.295	ug/l #	1
87) 1,3-Dichlorobenzene	12.55	146	392	171.304	ug/l #	23
88) 1,4-Dichlorobenzene	12.63	146	212	98.760	ug/l #	23
89) n-Butylbenzene	12.93	91	182	37.740	ug/l #	28
90) Hexachloroethane	12.98	117	156	128.548	ug/l	71
91) 1,2-Dichlorobenzene	13.03	146	73	35.959	ug/l #	54
92) 1,2-Dibromo-3-Chloropropan	13.69	75	123	944.102	ug/l #	51

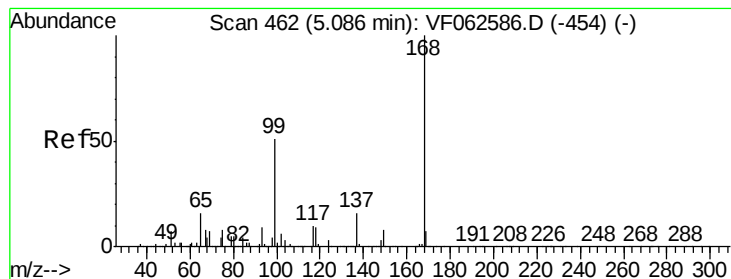
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\
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Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	85	60.212	ug/l #	12
94) Hexachlorobutadiene	14.30	225	61	59.484	ug/l #	19
95) Naphthalene	14.52	128	66	28.724	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.61	180	92	70.249	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

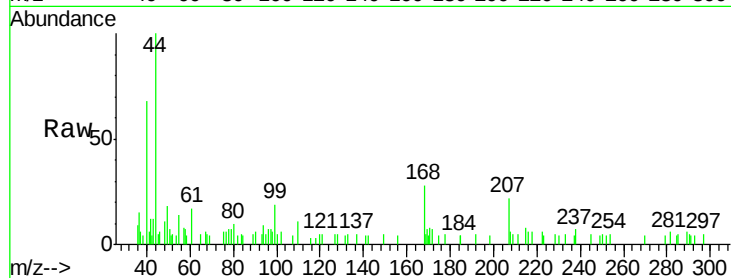
RT-1873

Tot Ion:168 Resp: 2468

Ion Ratio Lower Upper

168 100

99 66.2 41.0 61.6#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

800

600

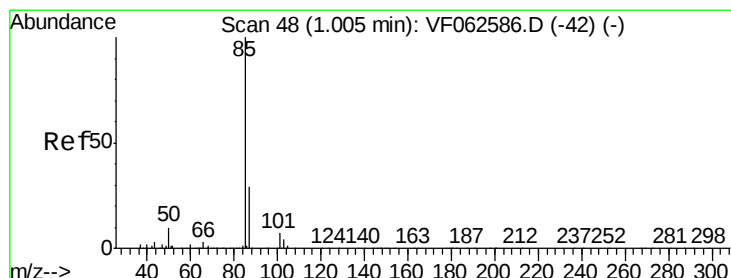
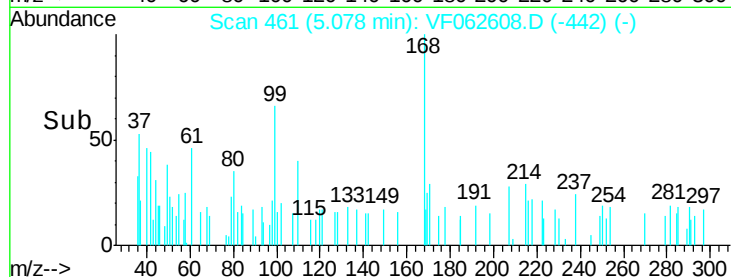
400

200

0

5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 8.500 ug/l

RT: 0.99 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF062608.D

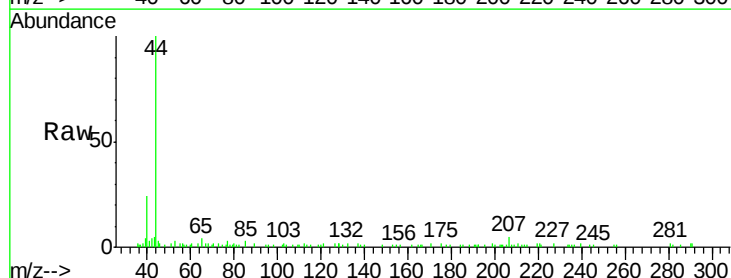
Acq: 15 May 2019 14:56

Tgt Ion: 85 Resp: 302

Ion Ratio Lower Upper

85 100

87 0.0 14.6 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

400

300

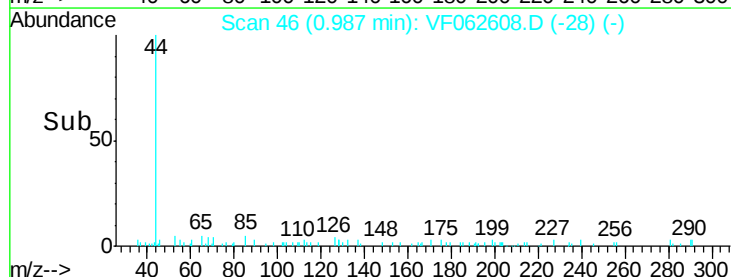
200

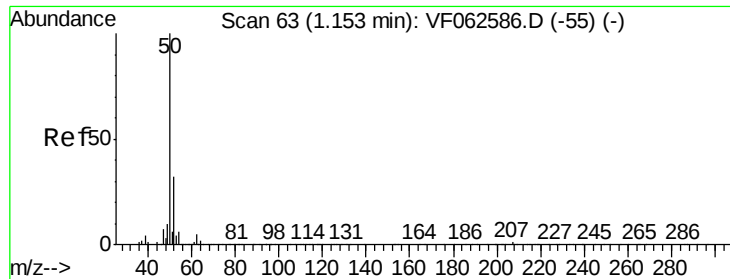
100

0

0.94 0.96 0.98 1.00 1.02

Time-->





#3

Chloromethane

Concen: 12.258 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.15 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

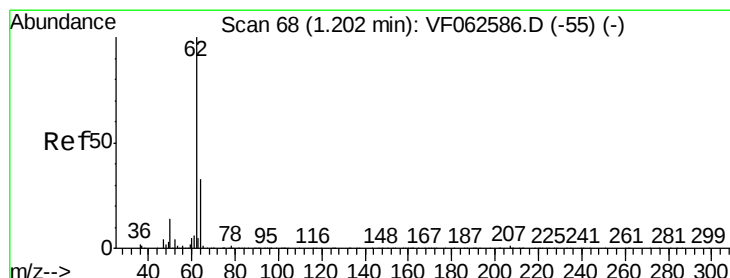
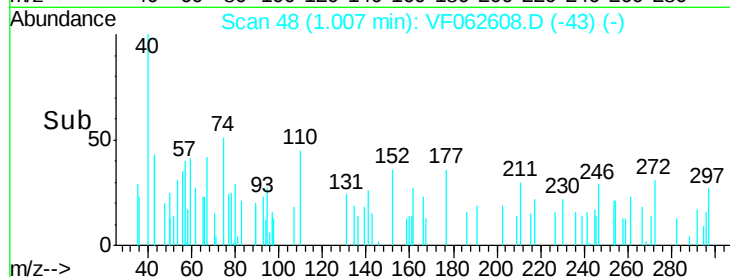
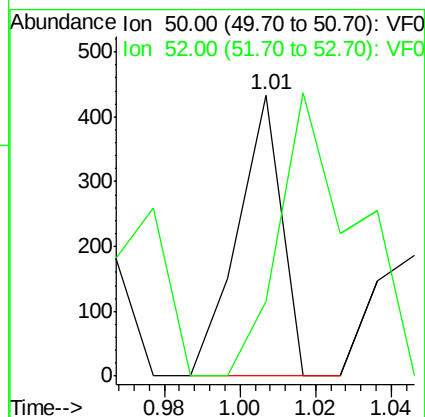
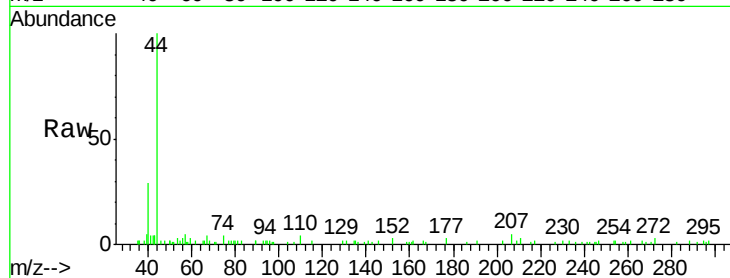
RT-1873

Tot Ion: 50 Resp: 345

Ion Ratio Lower Upper

50 100

52 26.5 25.3 37.9



#4

Vinyl Chloride

Concen: 8.246 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.02 min

Lab File: VF062608.D

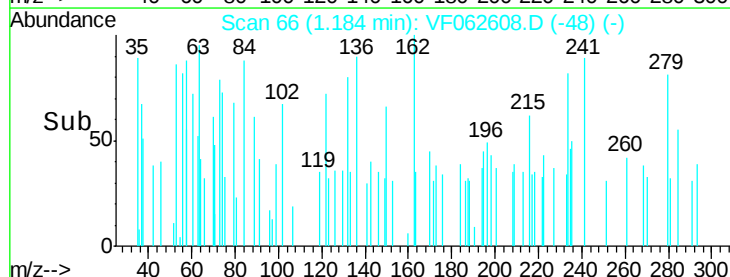
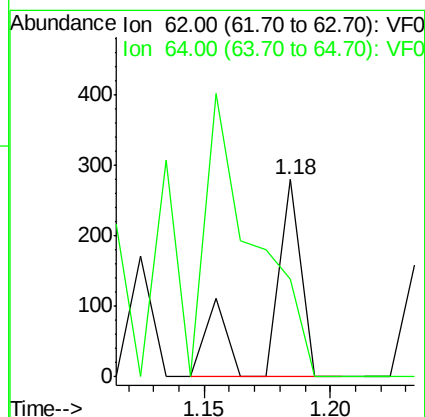
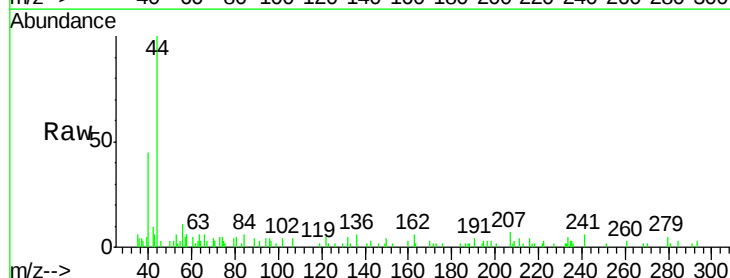
Acq: 15 May 2019 14:56

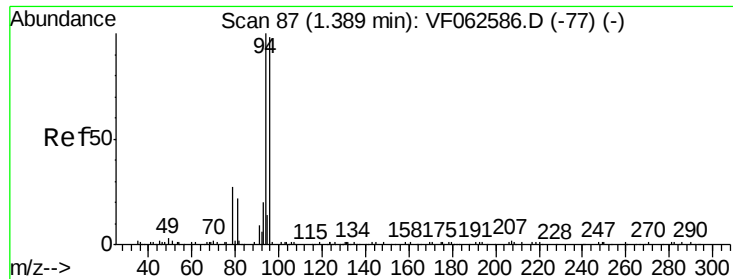
Tgt Ion: 62 Resp: 231

Ion Ratio Lower Upper

62 100

64 49.5 26.5 39.7#





#5

Bromomethane

Concen: 39.020 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

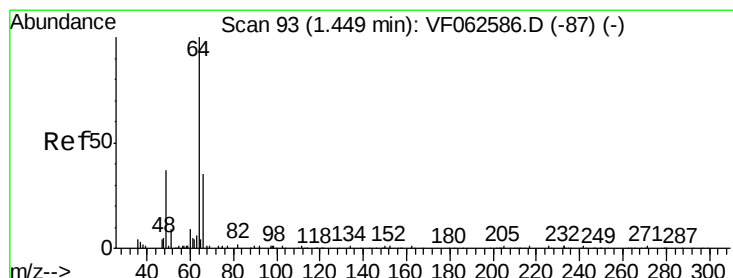
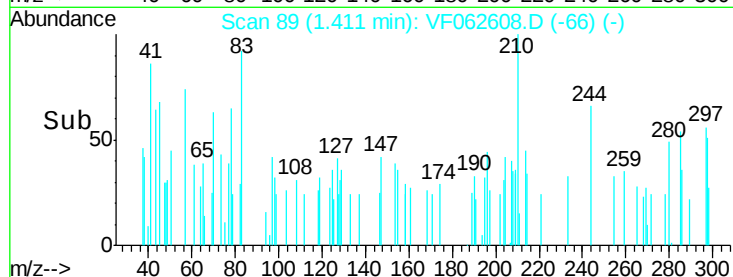
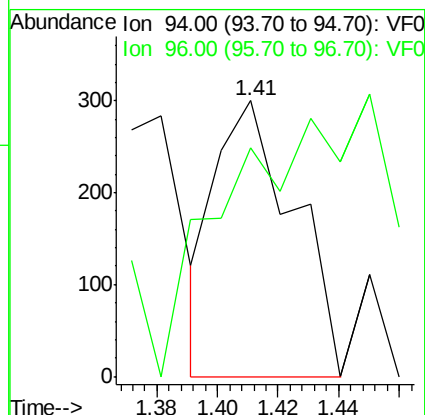
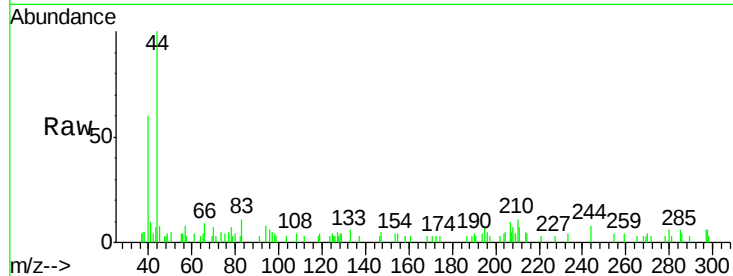
RT-1873

Tot Ion: 94 Resp: 538

Ion Ratio Lower Upper

94 100

96 83.0 79.3 118.9



#6

Chloroethane

Concen: 21.527 ug/l

RT: 1.54 min Scan# 102

Delta R.T. 0.09 min

Lab File: VF062608.D

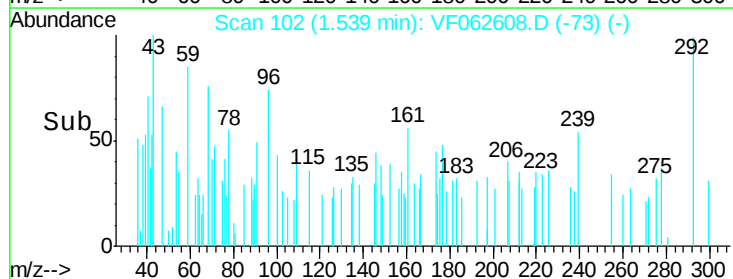
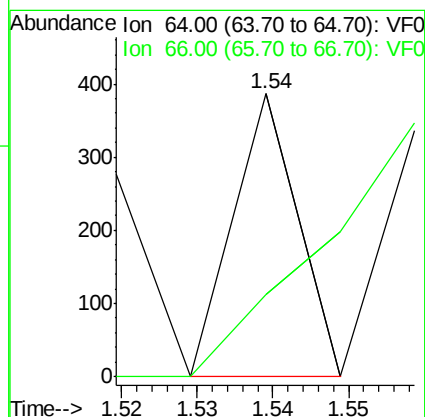
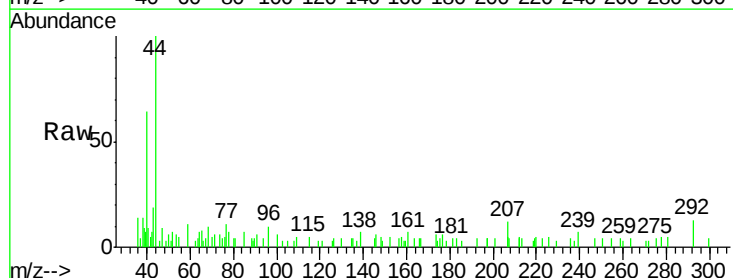
Acq: 15 May 2019 14:56

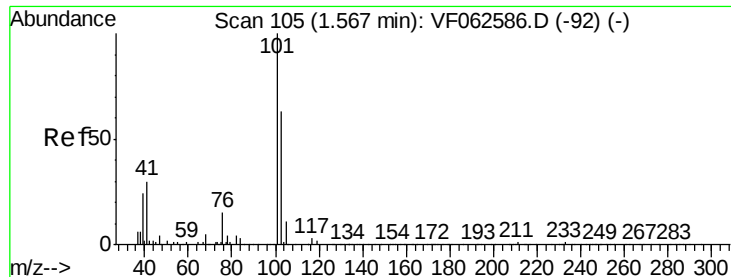
Tgt Ion: 64 Resp: 229

Ion Ratio Lower Upper

64 100

66 28.9 28.9 43.3



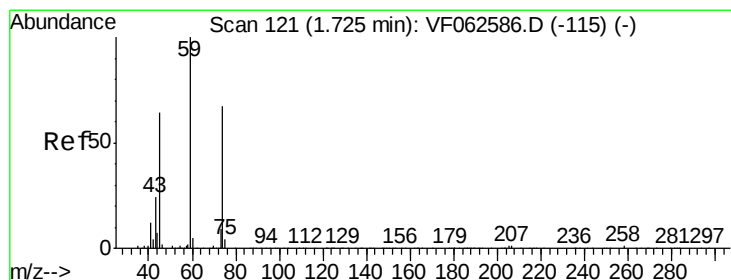
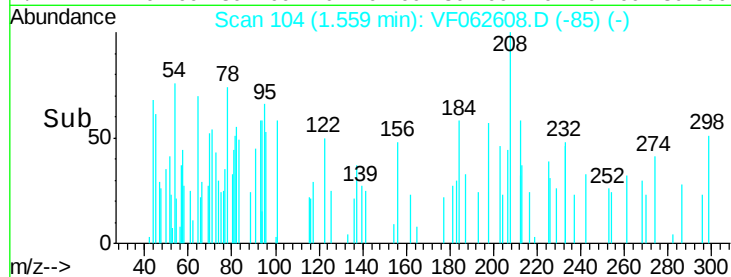
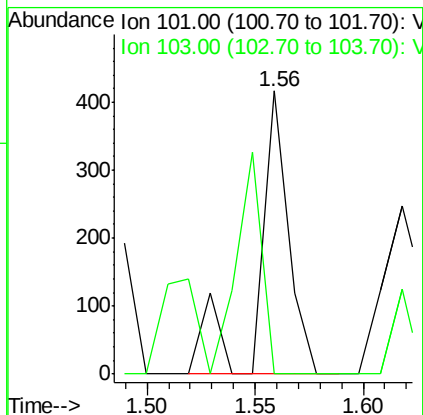
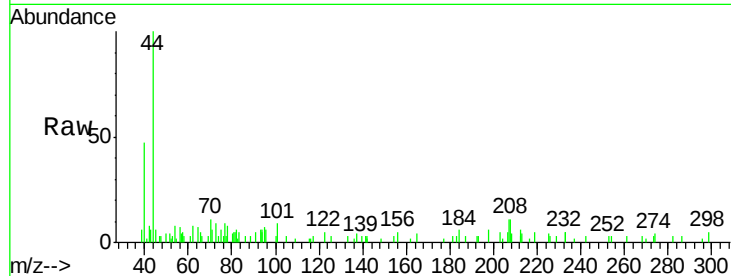


#7

Trichlorofluoromethane
Concen: 10.109 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Instrument :
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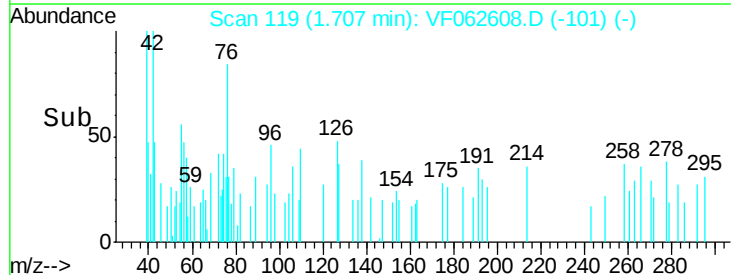
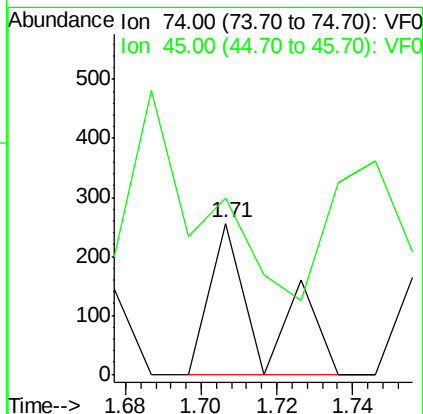
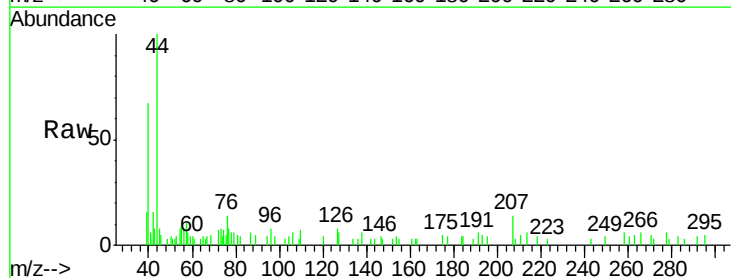
Tot Ion:101 Resp: 388
Ion Ratio Lower Upper
101 100
103 0.0 50.8 76.2#

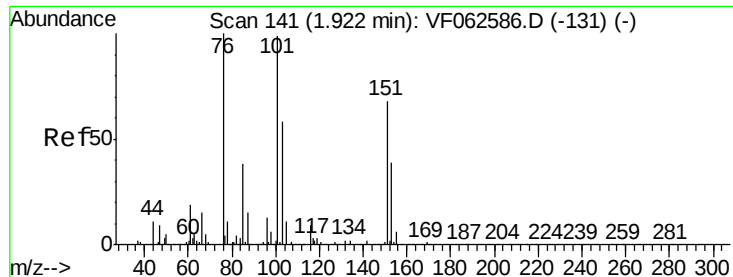


#8

Diethyl Ether
Concen: 28.593 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 74 Resp: 246
Ion Ratio Lower Upper
74 100
45 117.2 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.354 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

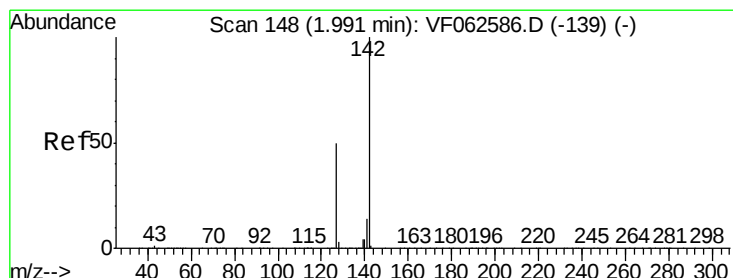
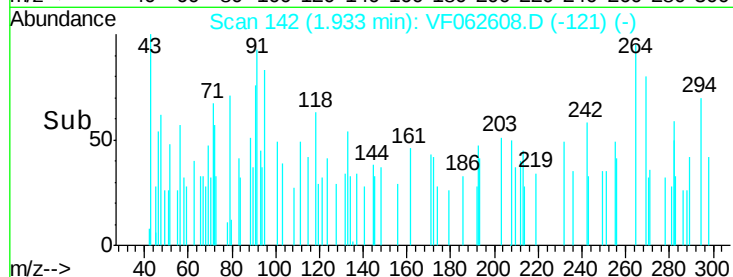
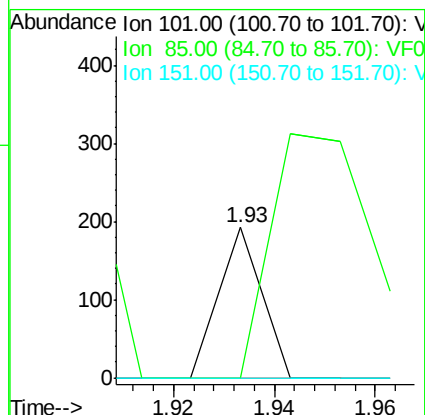
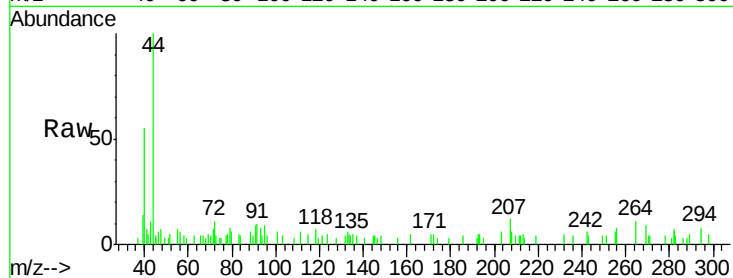
Instrument :

MSVOA_F

ClientSampleId :

RT-1873

Tot Ion:	101	Resp:	114
Ion	Ratio	Lower	Upper
101	100		
85	0.0	30.2	45.4#
151	0.0	54.5	81.7#



#10

Methyl Iodide

Concen: 9.093 ug/l

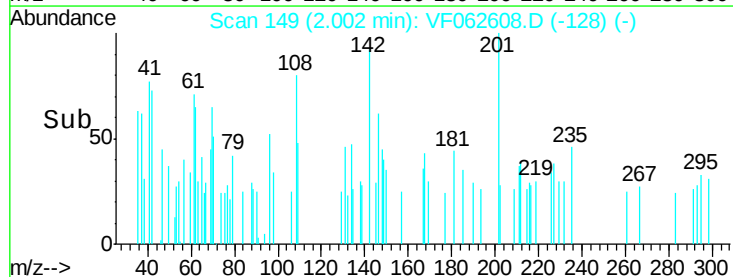
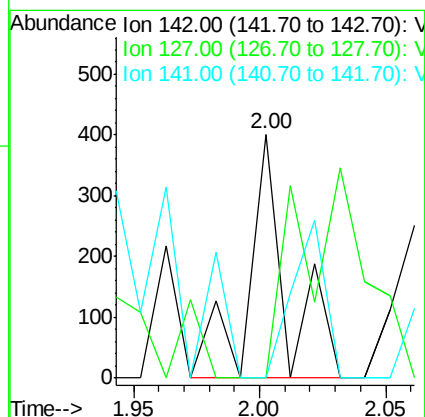
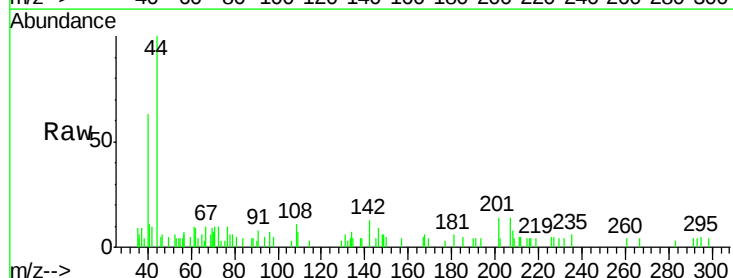
RT: 2.00 min Scan# 149

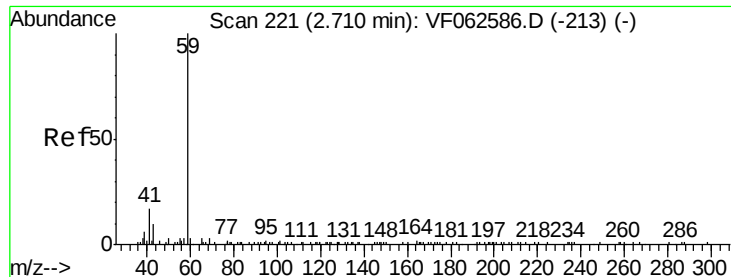
Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Tgt Ion:	142	Resp:	424
Ion	Ratio	Lower	Upper
142	100		
127	0.0	40.2	60.4#
141	0.0	11.6	17.4#



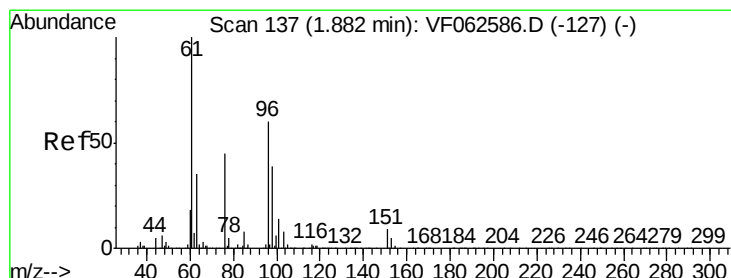
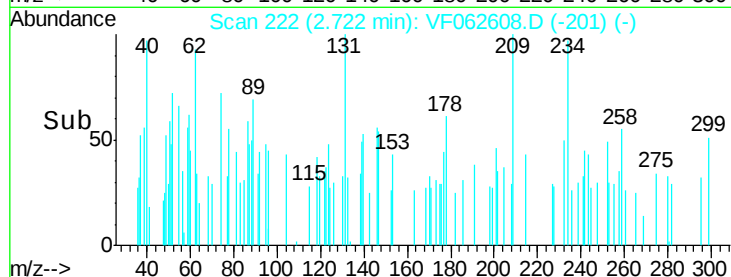
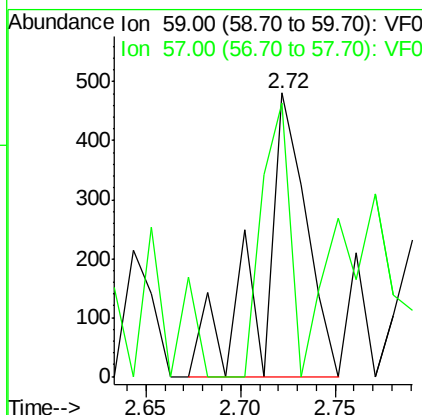
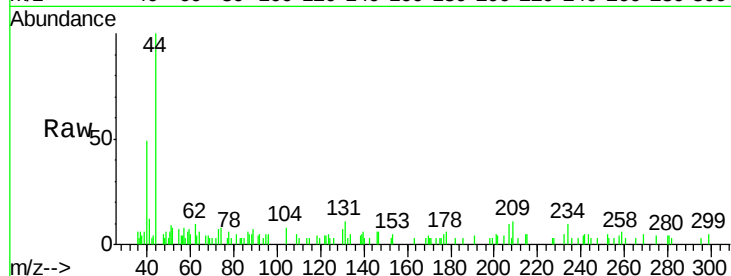


#11

Tert butyl alcohol
 Concen: 701.981 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VF062608.D
 Acq: 15 May 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 RT-1873

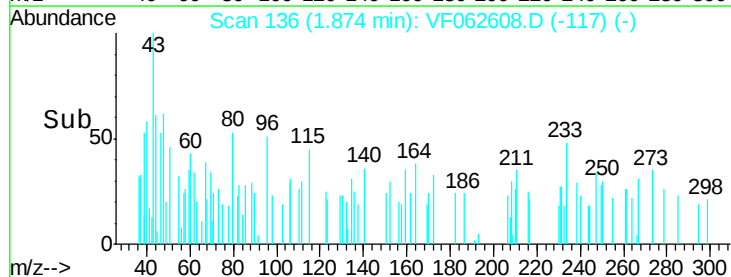
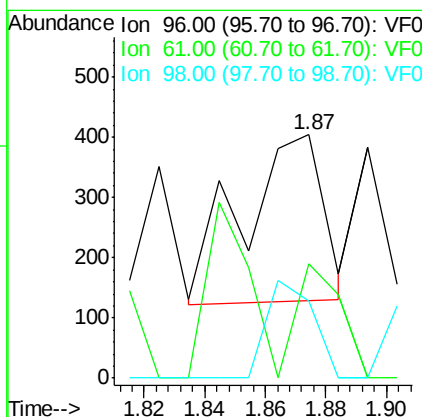
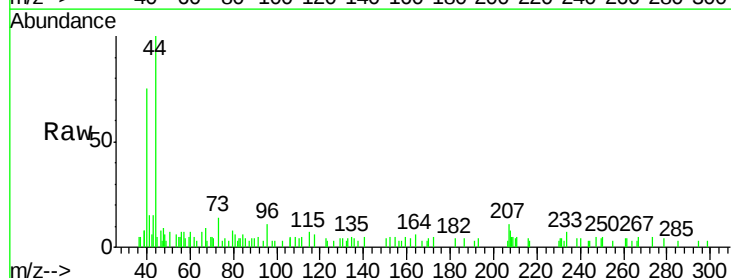
Tot Ion: 59 Resp: 788
 Ion Ratio Lower Upper
 59 100
 57 96.5 8.0 12.0#

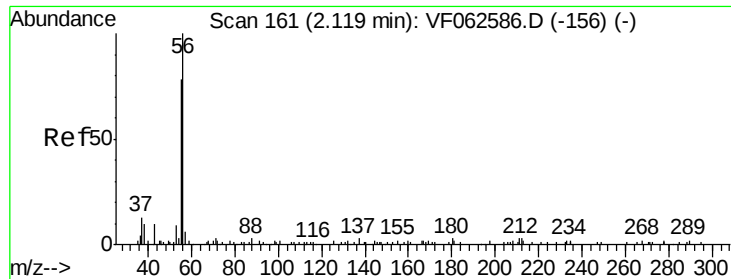


#12

1,1-Dichloroethene
 Concen: 22.875 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062608.D
 Acq: 15 May 2019 14:56

Tgt Ion: 96 Resp: 513
 Ion Ratio Lower Upper
 96 100
 61 47.0 132.0 198.0#
 98 31.9 51.3 76.9#





#13

Acrolein

Concen: 1305.208 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.07 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

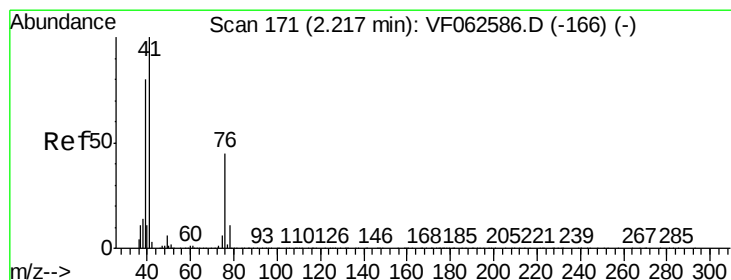
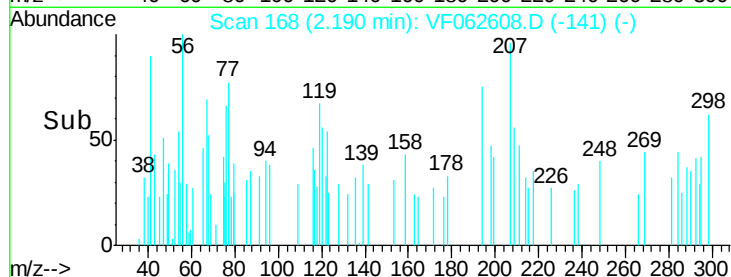
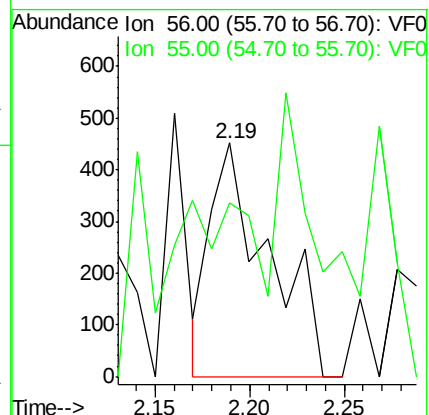
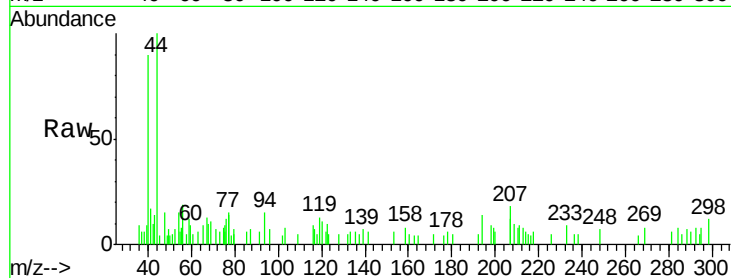
Instrument :
MSVOA_F
ClientSampled :
RT-1873

Tot Ion: 56 Resp: 971

Ion Ratio Lower Upper

56 100

55 74.6 64.6 96.8



#14

Allyl chloride

Concen: 45.146 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

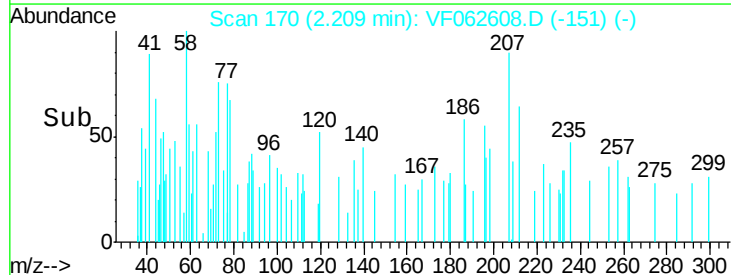
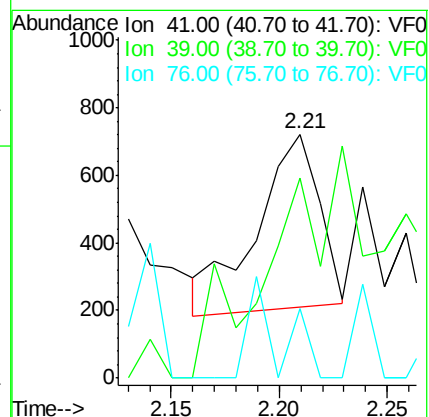
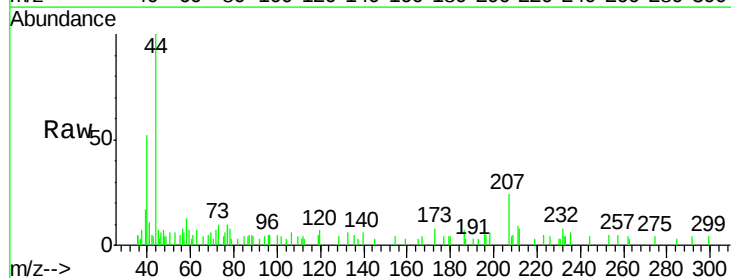
Tgt Ion: 41 Resp: 1036

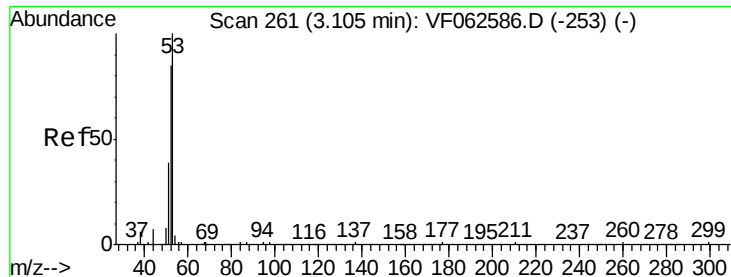
Ion Ratio Lower Upper

41 100

39 82.4 64.6 96.8

76 28.3 36.1 54.1#





#15

Acrylonitrile

Concen: 100.361 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

RT-1873

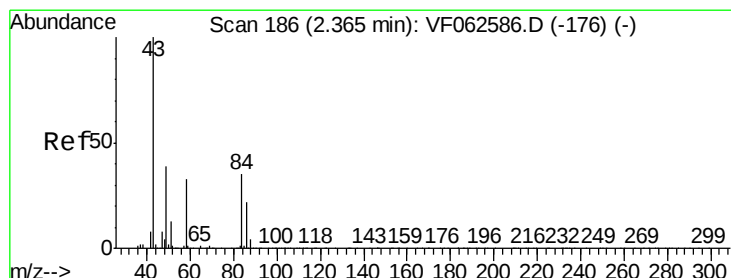
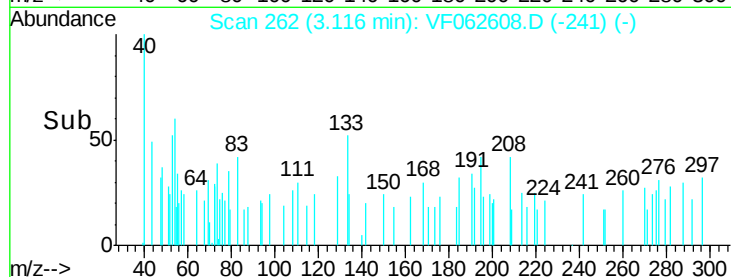
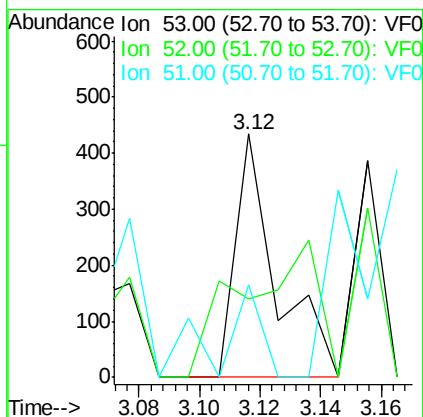
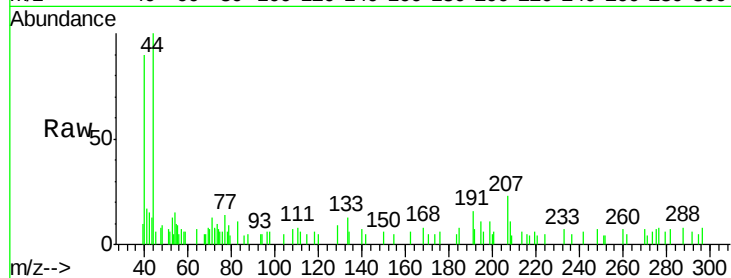
Tot Ion: 53 Resp: 403

Ion Ratio Lower Upper

53 100

52 104.4 68.3 102.5#

51 38.0 31.5 47.3



#16

Acetone

Concen: 103.350 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.18 min

Lab File: VF062608.D

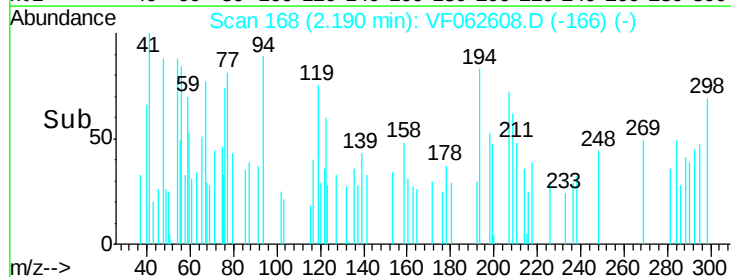
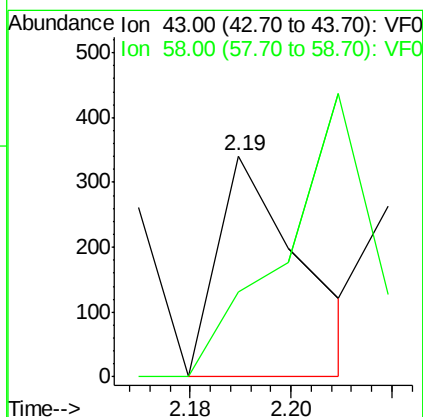
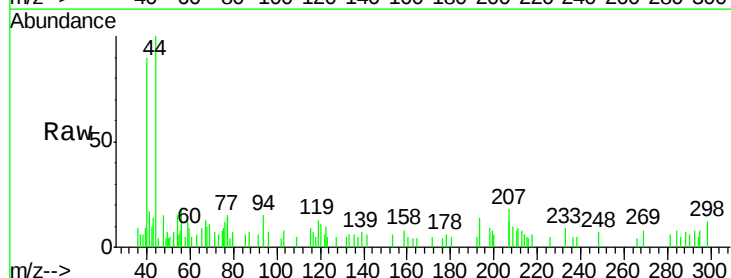
Acq: 15 May 2019 14:56

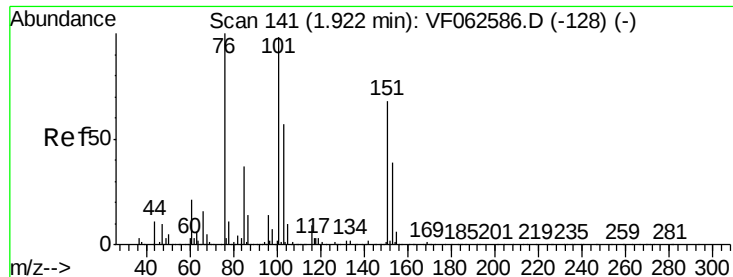
Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

43 100

58 38.7 26.7 40.1





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

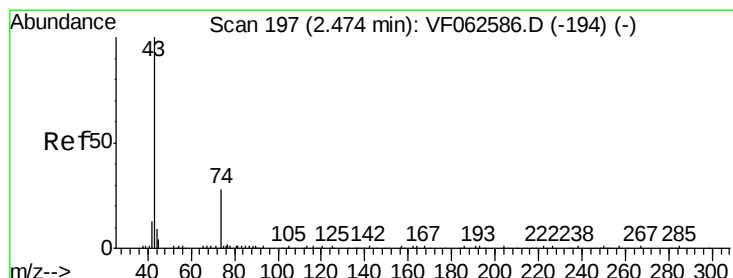
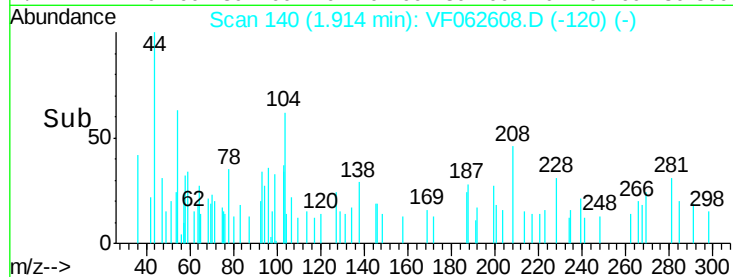
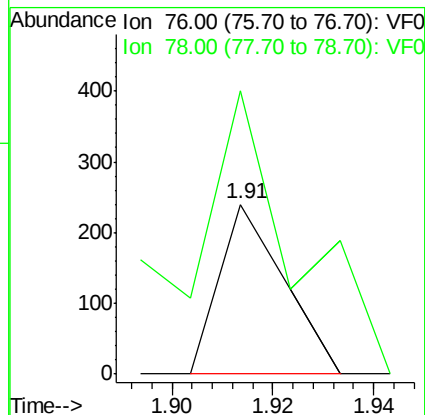
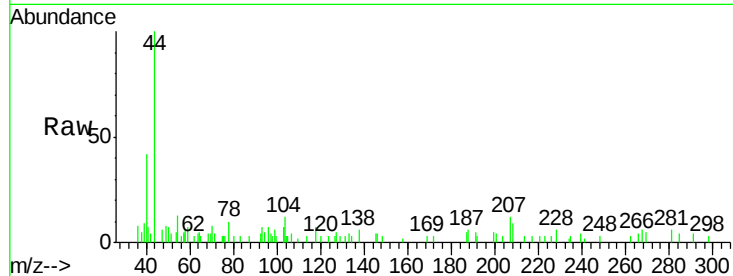
RT-1873

Tot Ion: 76 Resp: 213

Ion Ratio Lower Upper

76 100

78 166.7 9.0 13.4#



#18

Methyl Acetate

Concen: 293.839 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF062608.D

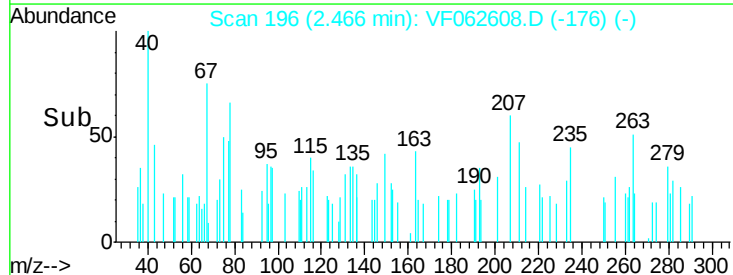
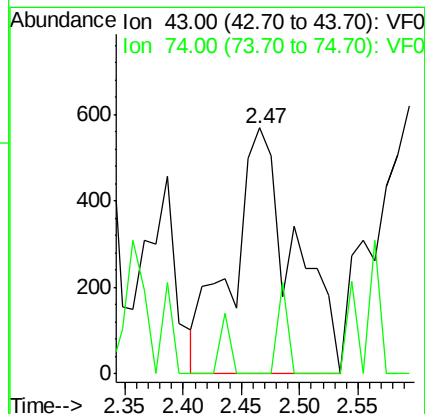
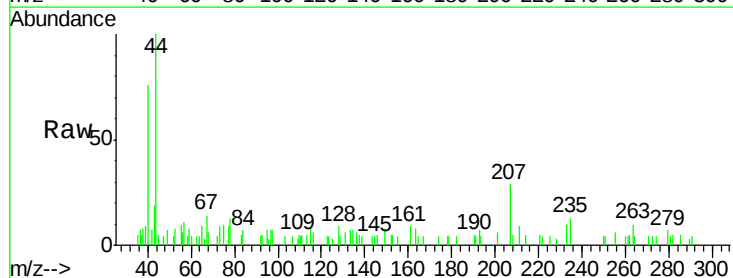
Acq: 15 May 2019 14:56

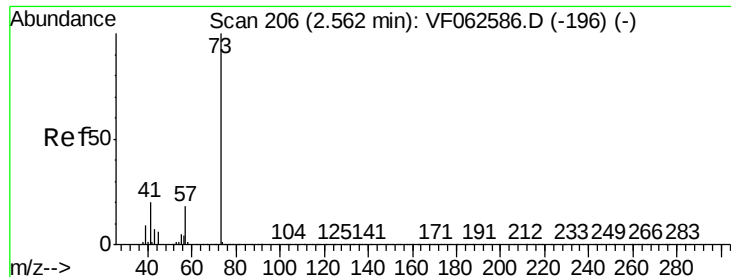
Tgt Ion: 43 Resp: 2099

Ion Ratio Lower Upper

43 100

74 0.0 21.4 32.0#

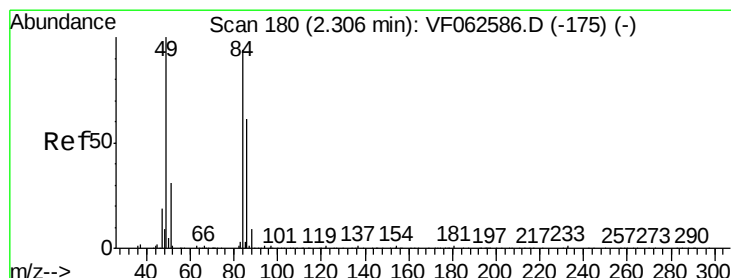
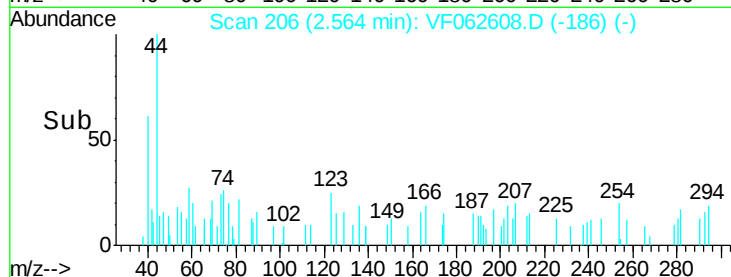
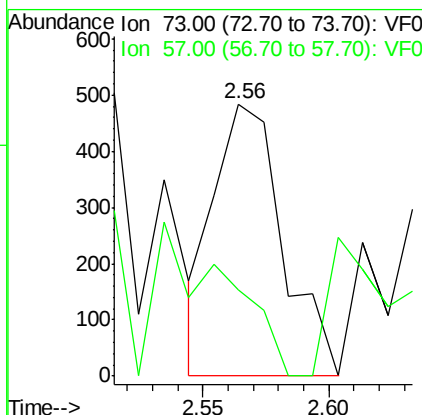
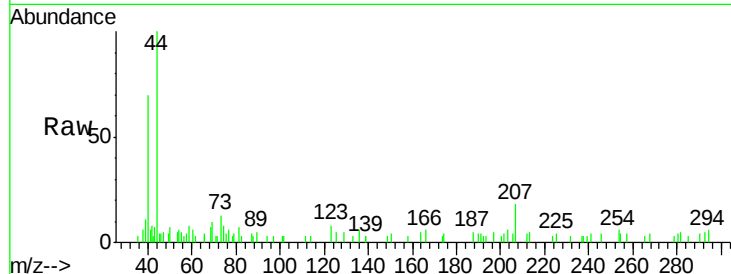




#19
Methvl tert-butvl Ether
Concen: 22.890 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

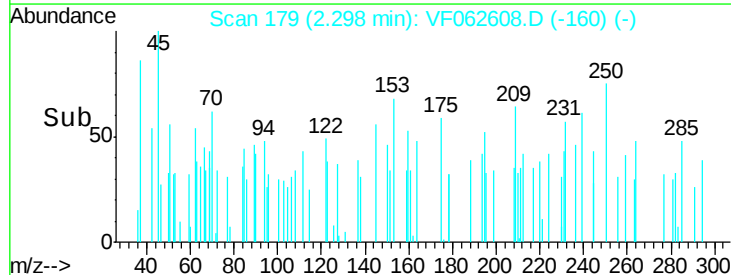
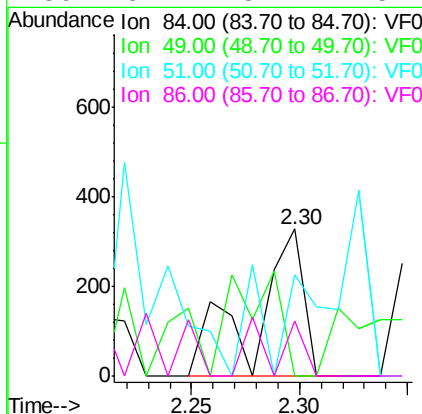
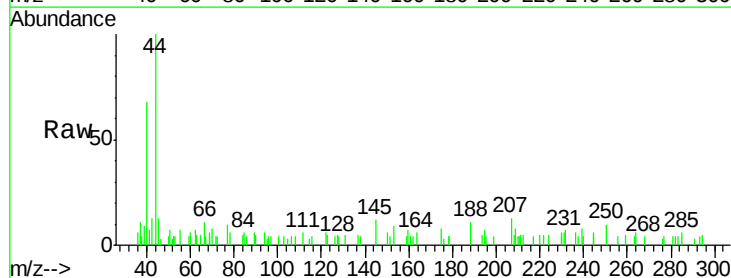
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

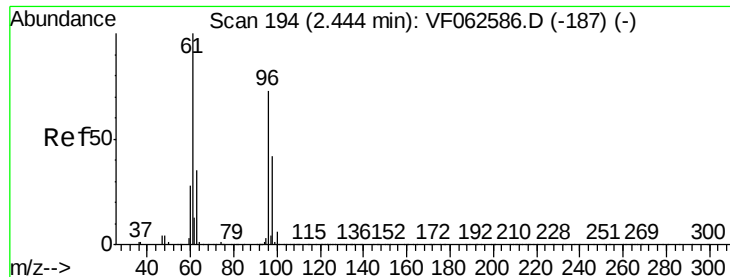
Tot Ion: 73 Resp: 914
Ion Ratio Lower Upper
73 100
57 31.6 14.6 22.0#



#20
Methylene Chloride
Concen: 19.119 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 84 Resp: 513
Ion Ratio Lower Upper
84 100
49 0.0 86.9 130.3#
51 69.2 27.0 40.6#
86 37.2 52.2 78.2#





#21

trans-1,2-Dichloroethene

Concen: 19.556 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.04 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

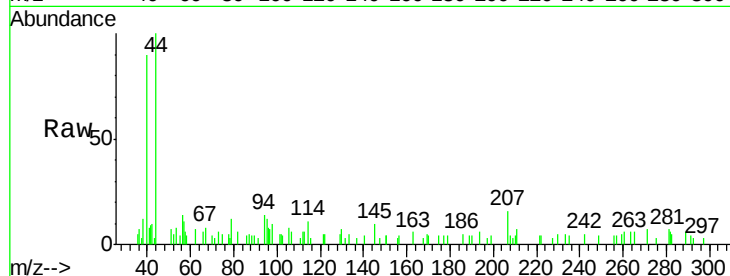
Tot Ion: 96 Resp: 442

Ion Ratio Lower Upper

96 100

61 0.0 109.2 163.8#

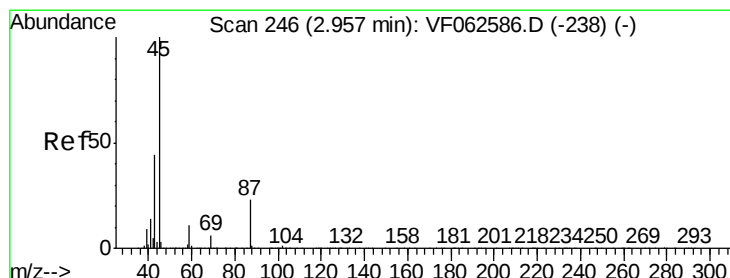
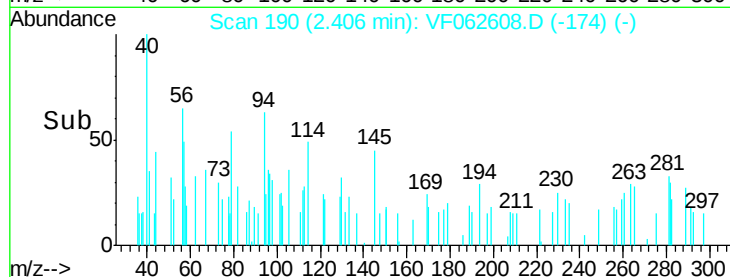
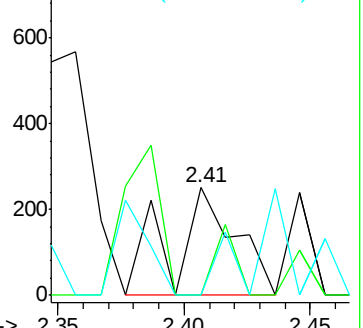
98 0.0 46.3 69.5#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 13.513 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.03 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Tgt Ion: 45 Resp: 721

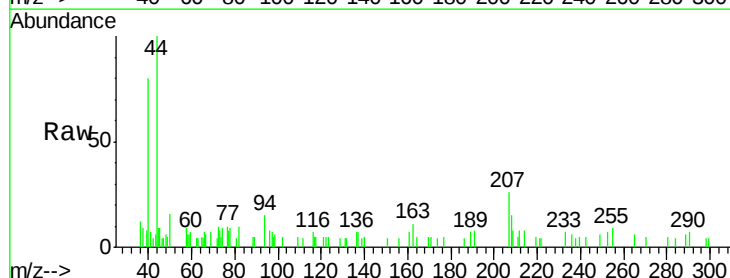
Ion Ratio Lower Upper

45 100

43 33.1 35.4 53.0#

87 0.0 18.4 27.6#

59 72.4 8.9 13.3#

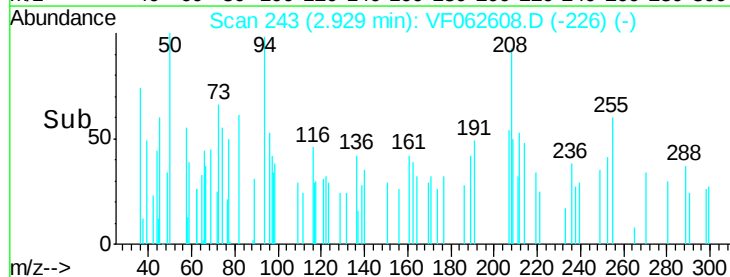
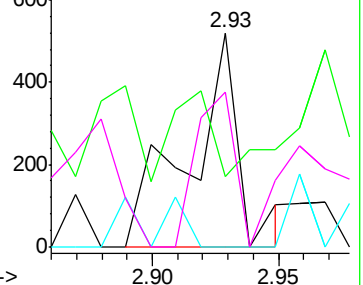


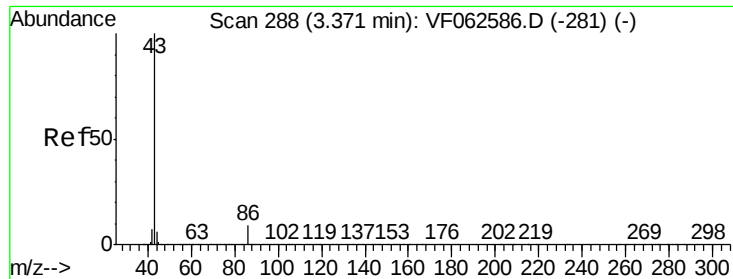
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 14.563 ug/l

RT: 3.37 min Scan# 288

Delta R.T. 0.00 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

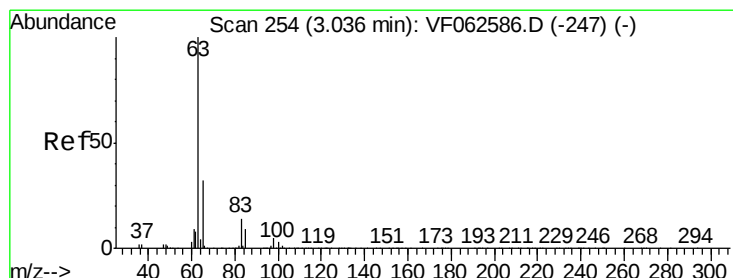
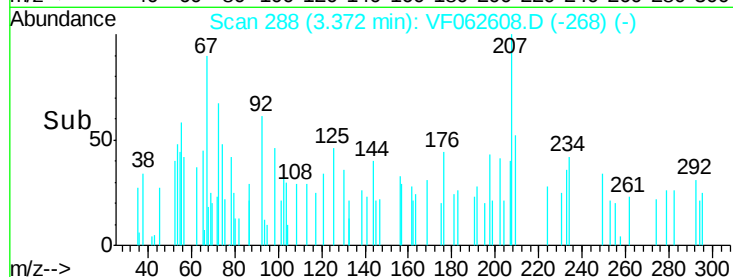
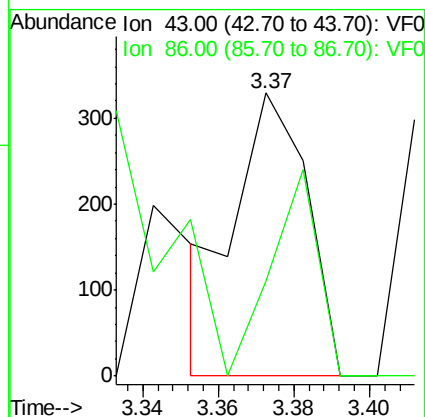
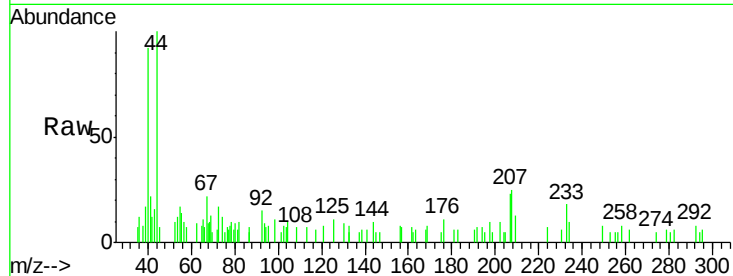
Instrument :
MSVOA_F
ClientSampled :
RT-1873

Tot Ion: 43 Resp: 425

Ion Ratio Lower Upper

43 100

86 33.4 7.1 10.7#



#24

1,1-Dichloroethane

Concen: 12.359 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.03 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

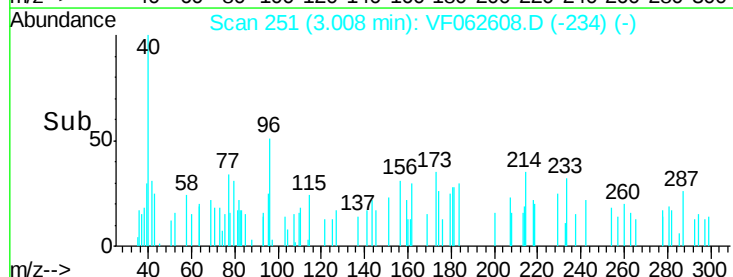
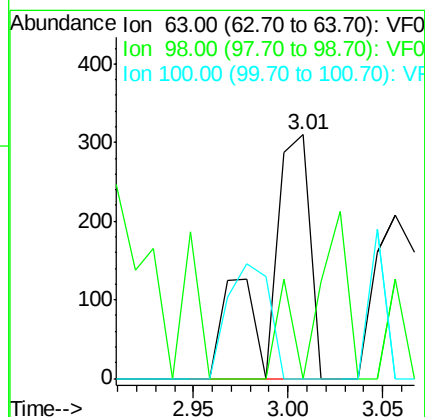
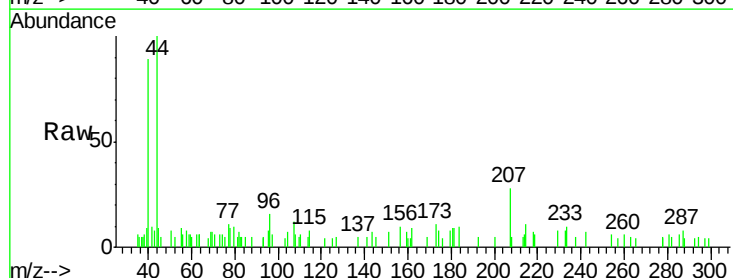
Tgt Ion: 63 Resp: 502

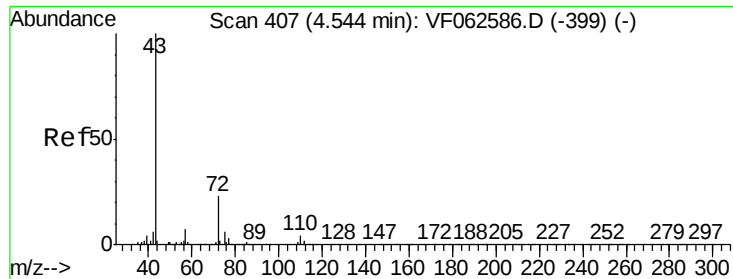
Ion Ratio Lower Upper

63 100

98 0.0 2.6 7.8#

100 0.0 1.7 5.1#





#25

2-Butanone

Concen: 23.033 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleID :

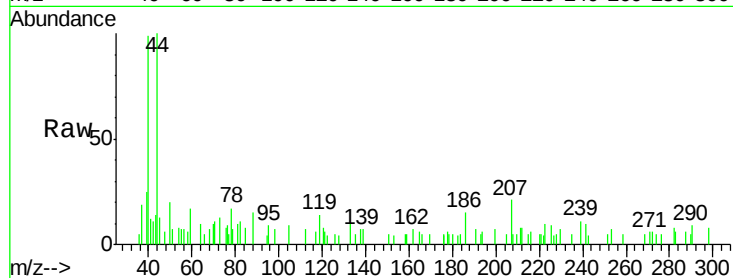
RT-1873

Tot Ion: 43 Resp: 197

Ion Ratio Lower Upper

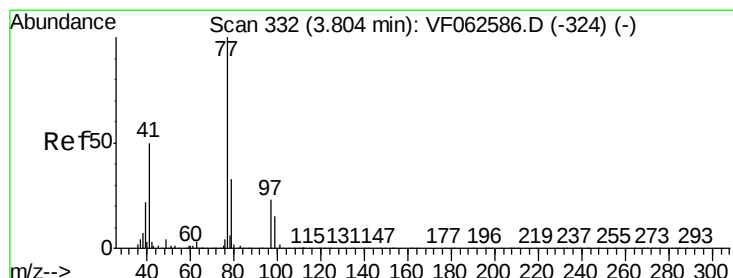
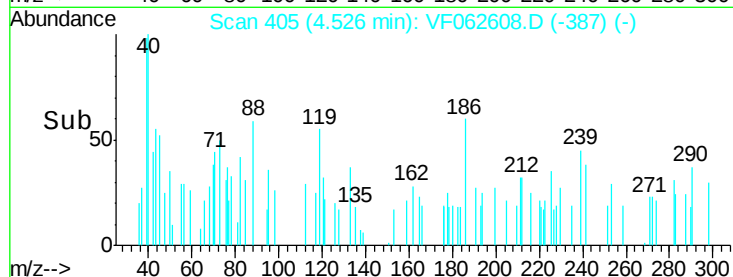
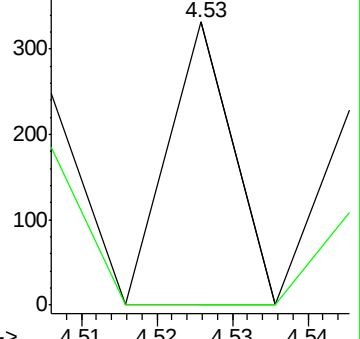
43 100

72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 18.248 ug/l

RT: 3.72 min Scan# 323

Delta R.T. -0.09 min

Lab File: VF062608.D

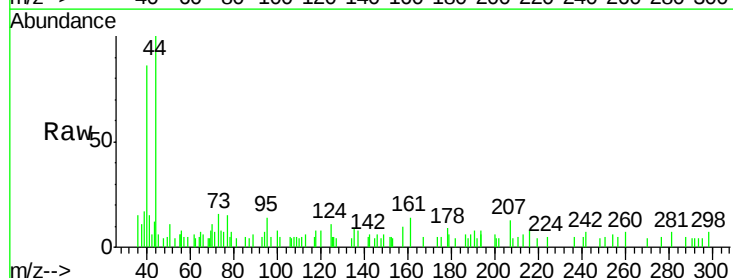
Acq: 15 May 2019 14:56

Tgt Ion: 77 Resp: 400

Ion Ratio Lower Upper

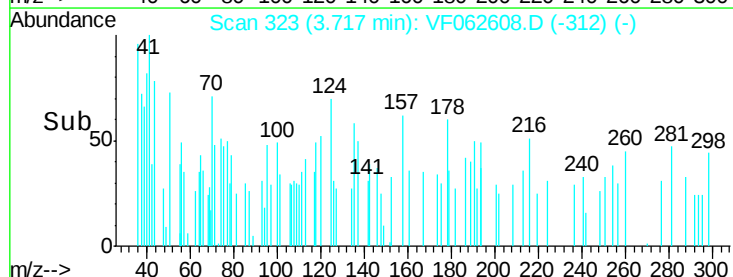
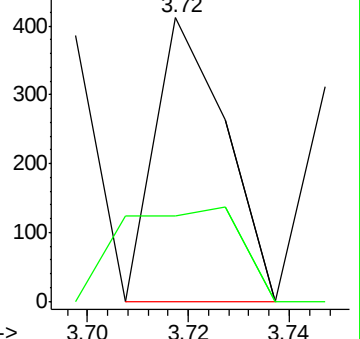
77 100

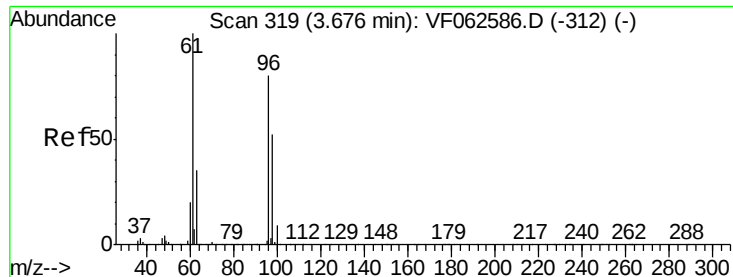
97 30.1 12.0 36.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



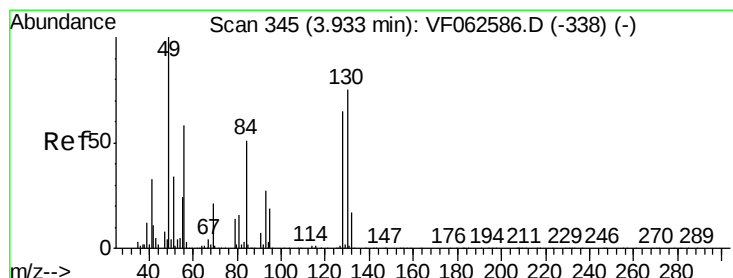
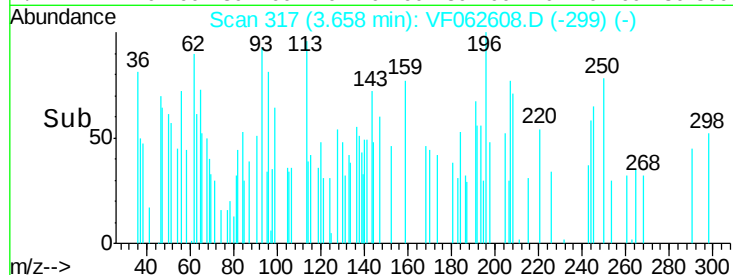
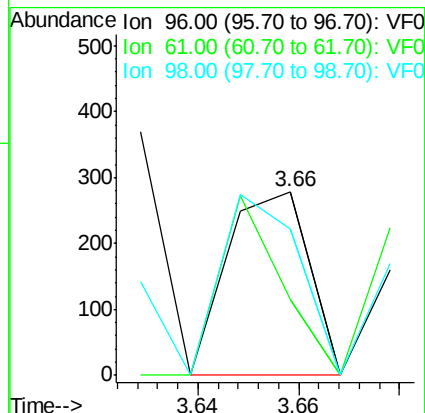
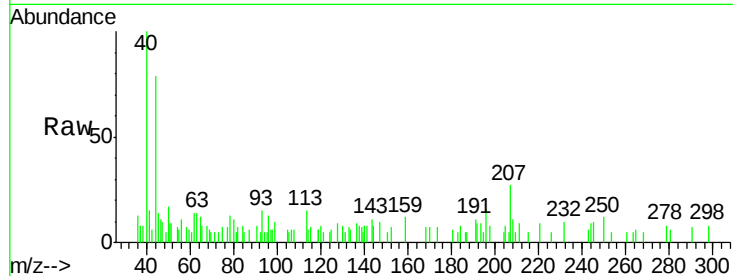


#27

cis-1,2-Dichloroethene
Concen: 9.771 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleID :
RT-1873

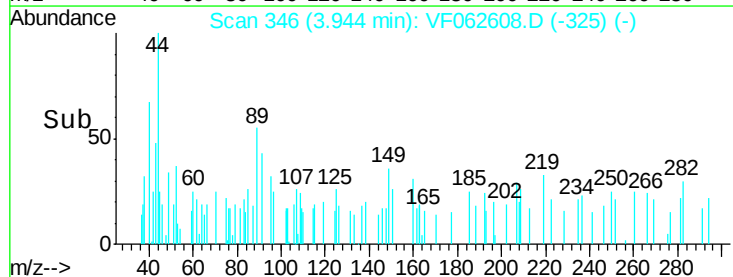
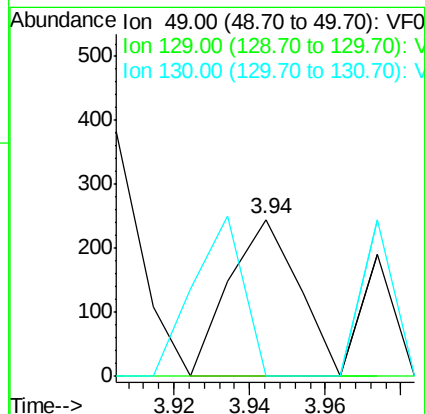
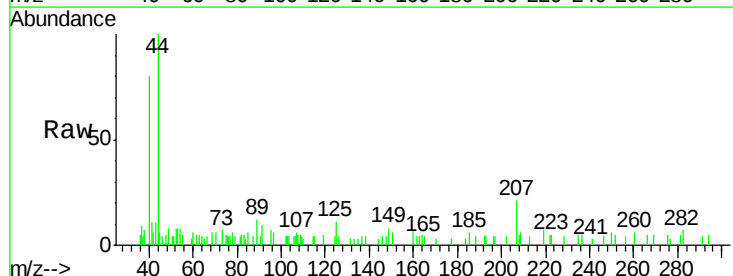
Tot Ion: 96 Resp: 312
Ion Ratio Lower Upper
96 100
61 41.2 0.0 251.4
98 79.6 0.0 129.8

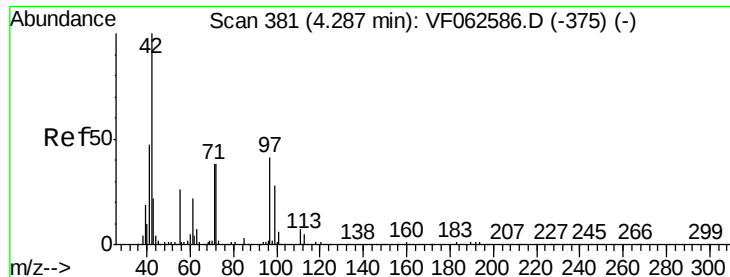


#28

Bromochloromethane
Concen: 13.534 ug/l
RT: 3.94 min Scan# 346
Delta R.T. 0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 49 Resp: 309
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 59.7 89.5#

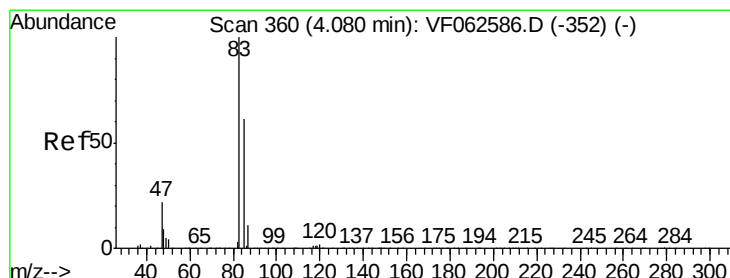
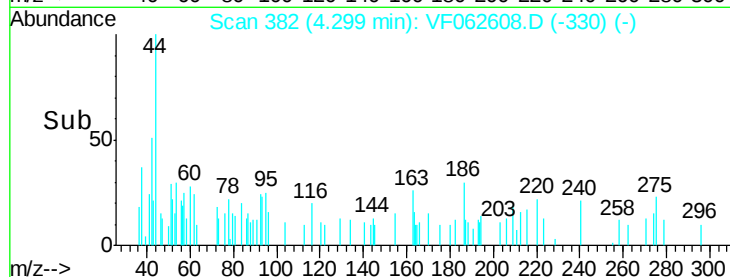
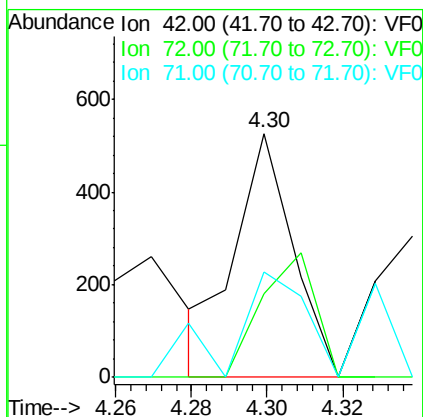
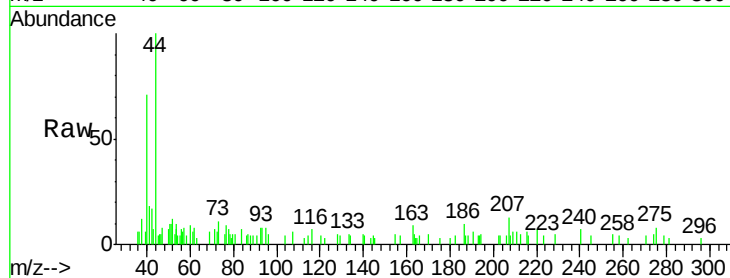




#29
Tetrahydrofuran
Concen: 152.234 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

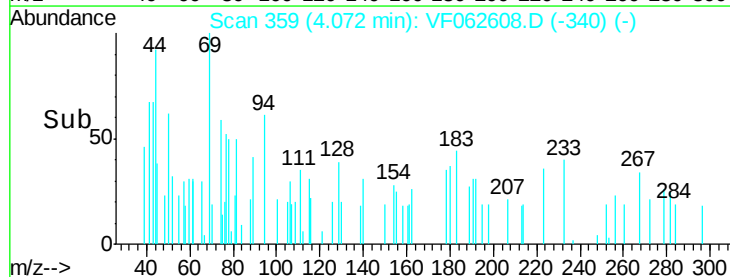
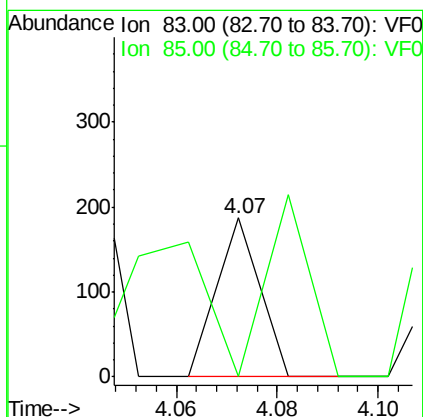
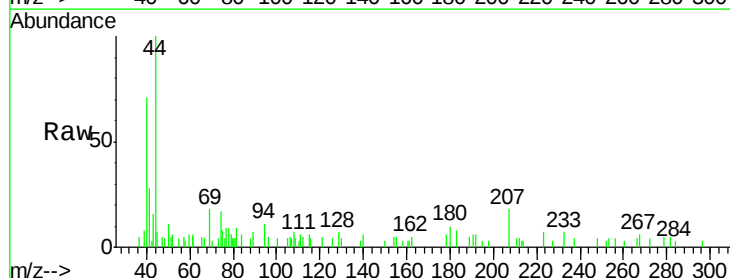
Instrument :
MSVOA_F
ClientSampled :
RT-1873

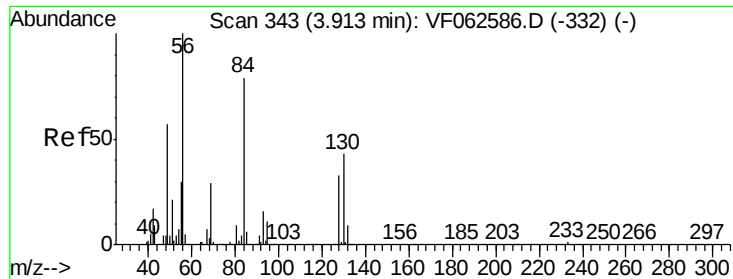
Tot Ion: 42 Resp: 551
Ion Ratio Lower Upper
42 100
72 48.3 34.0 51.0
71 55.7 32.8 49.2#



#30
Chloroform
Concen: 2.278 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 83 Resp: 111
Ion Ratio Lower Upper
83 100
85 0.0 48.7 73.1#

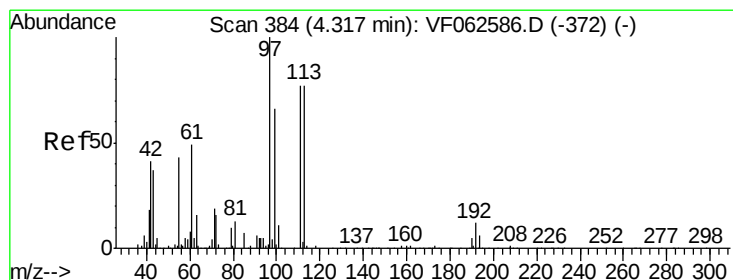
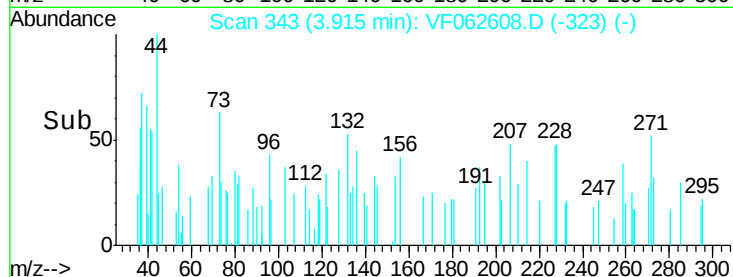
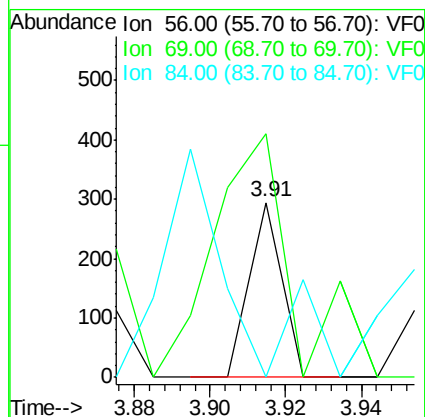
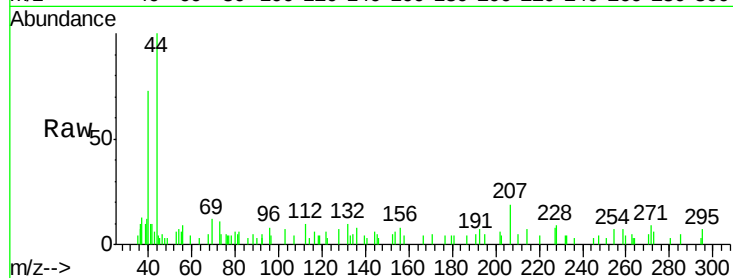




#31
Cyclohexane
Concen: 4.110 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

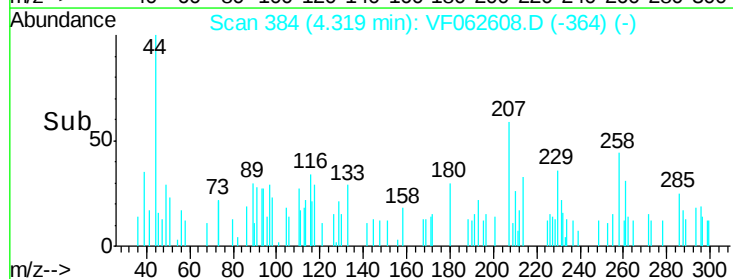
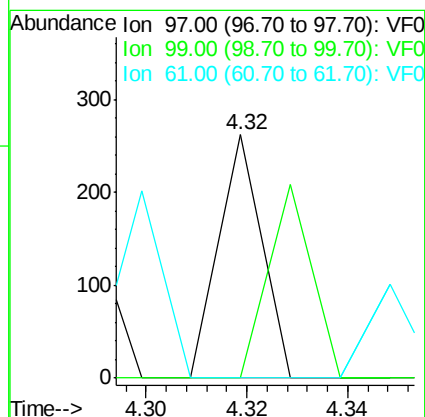
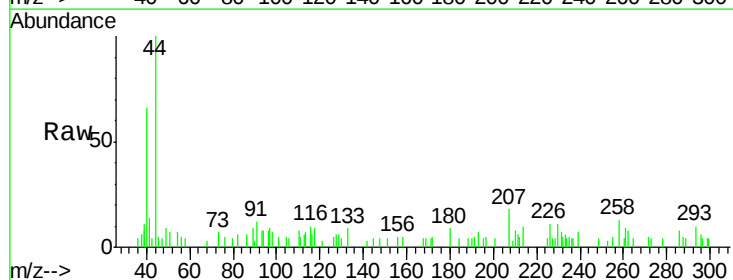
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

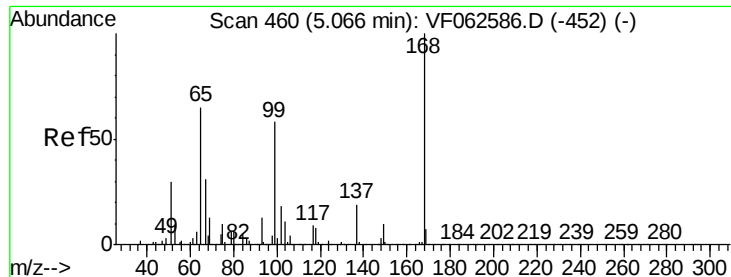
Tot Ion: 56 Resp: 174
Ion Ratio Lower Upper
56 100
69 139.0 22.9 34.3#
84 0.0 63.4 95.2#



#32
1,1,1-Trichloroethane
Concen: 4.718 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 97 Resp: 155
Ion Ratio Lower Upper
97 100
99 0.0 53.4 80.0#
61 0.0 38.9 58.3#





#33

1,2-Dichloroethane-d4

Concen: 38.242 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

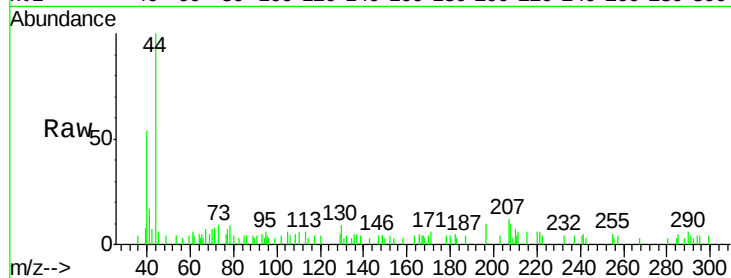
RT-1873

Tot Ion: 65 Resp: 713

Ion Ratio Lower Upper

65 100

67 82.9 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

500

400

300

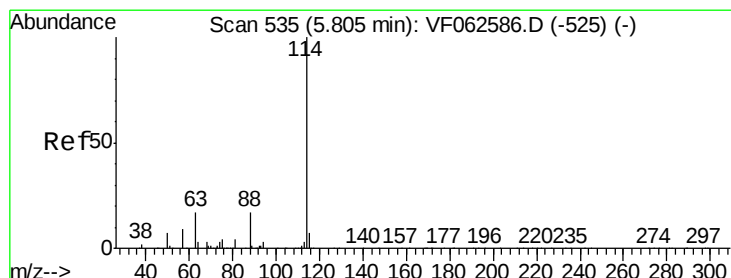
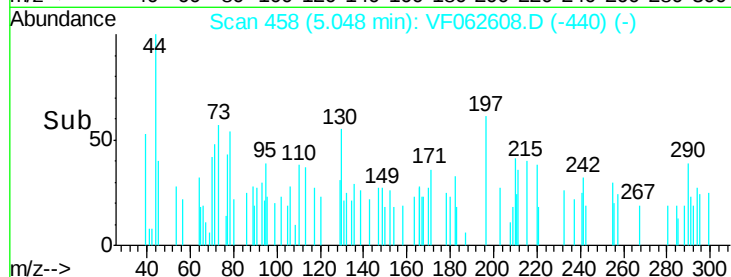
200

100

0

5.00 5.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

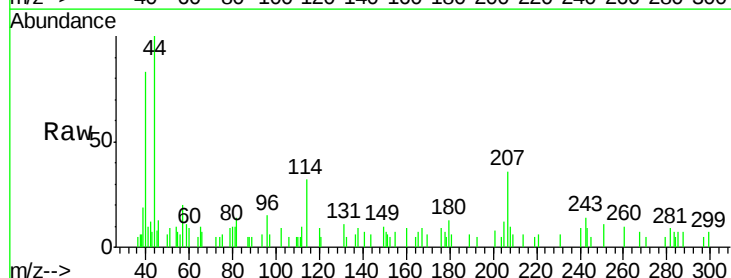
Tgt Ion: 114 Resp: 2182

Ion Ratio Lower Upper

114 100

63 0.0 0.0 34.6

88 16.3 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

800

600

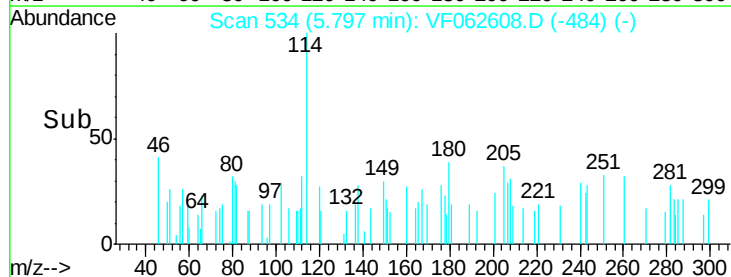
400

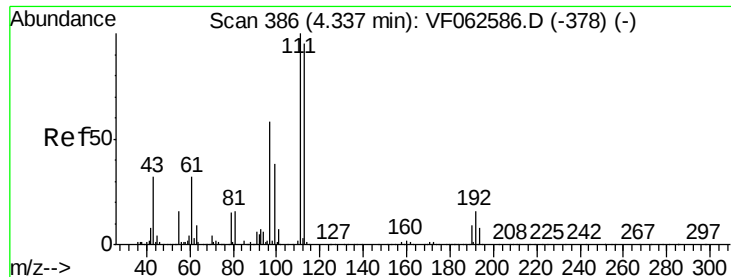
200

0

5.70 5.80 5.90

Time-->





#35

Dibromofluoromethane

Concen: 46.367 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

RT-1873

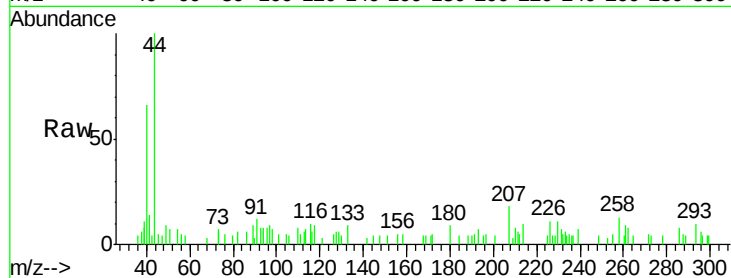
Tot Ion:113 Resp: 753

Ion Ratio Lower Upper

113 100

111 41.8 83.9 125.9#

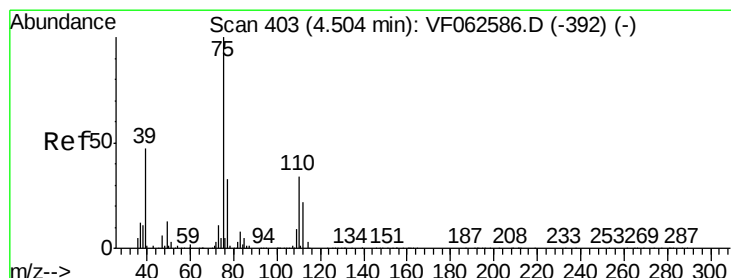
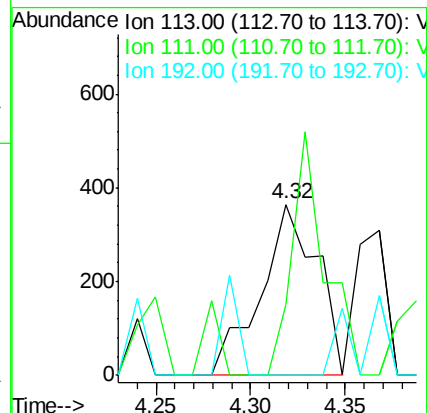
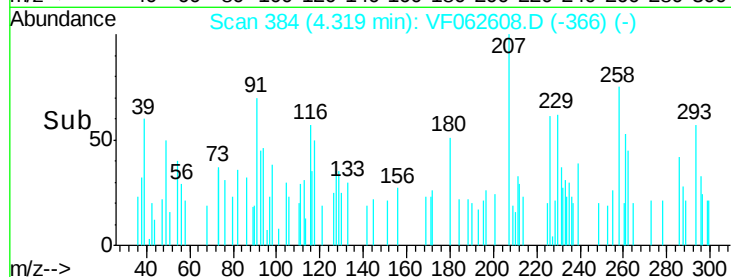
192 0.0 13.7 20.5#



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



#36

1,1-Dichloropropene

Concen: 17.213 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

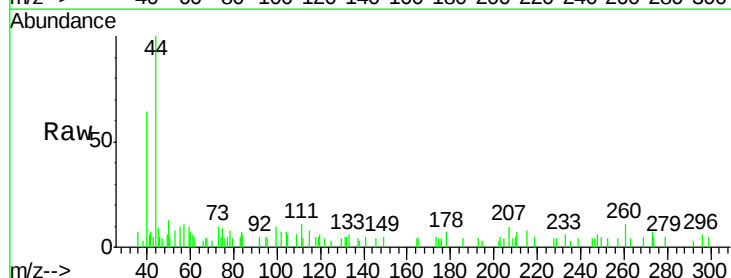
Tgt Ion: 75 Resp: 325

Ion Ratio Lower Upper

75 100

110 0.0 17.3 51.7#

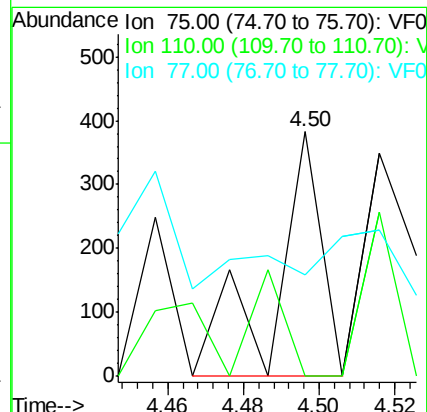
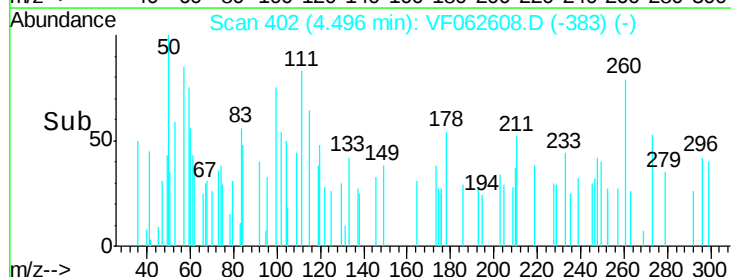
77 41.3 26.4 39.6#

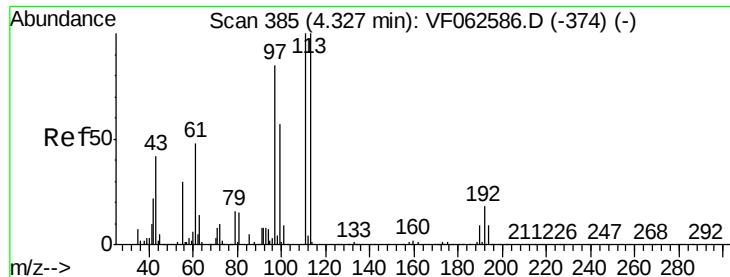


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

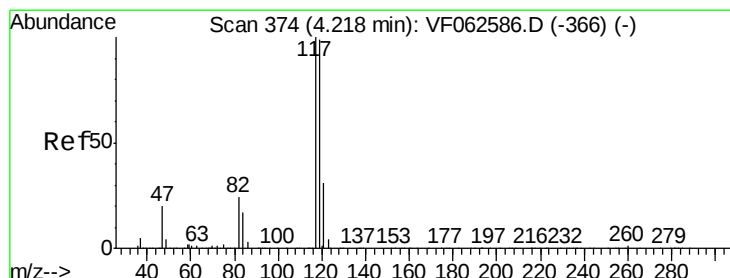
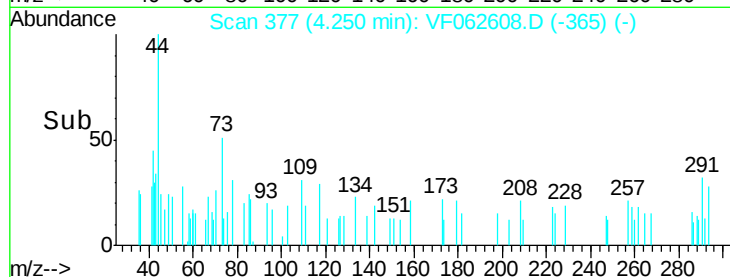
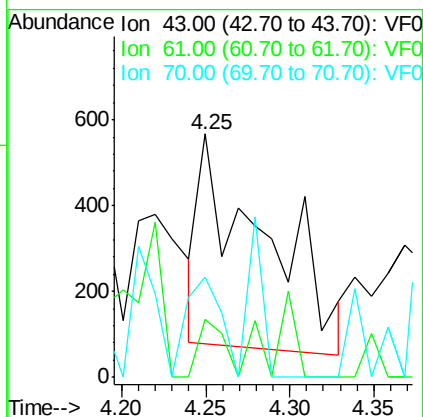
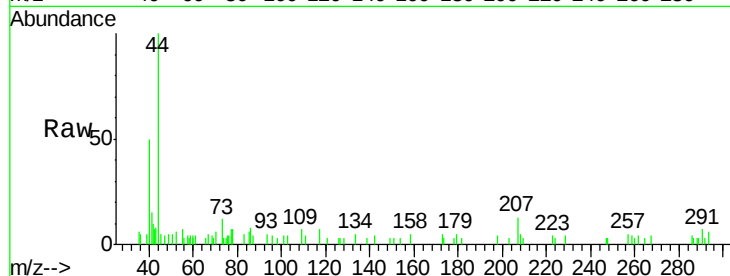




#37
Ethyl Acetate
Concen: 171.675 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.08 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

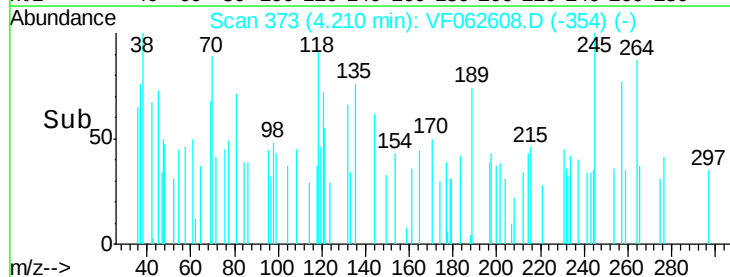
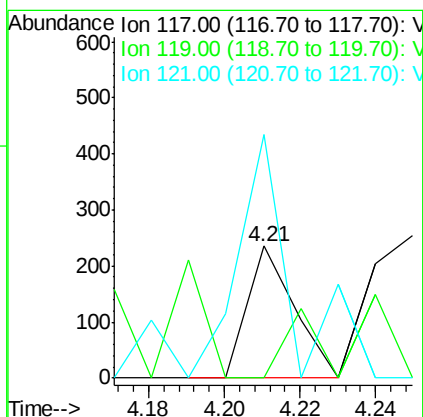
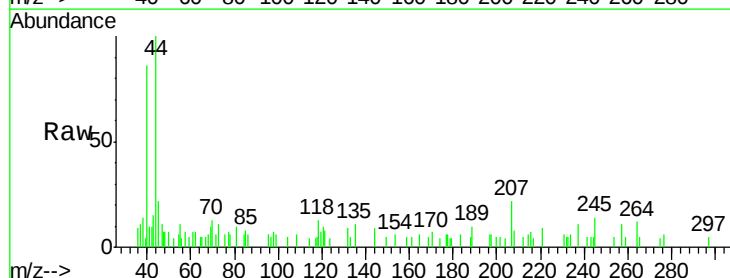
Instrument :
MSVOA_F
ClientSampled :
RT-1873

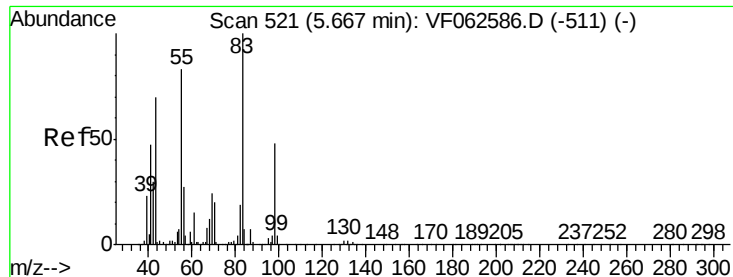
Tot Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
61 24.0 88.6 132.8#
70 41.3 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 12.913 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 117 Resp: 200
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 184.7 25.0 37.6#

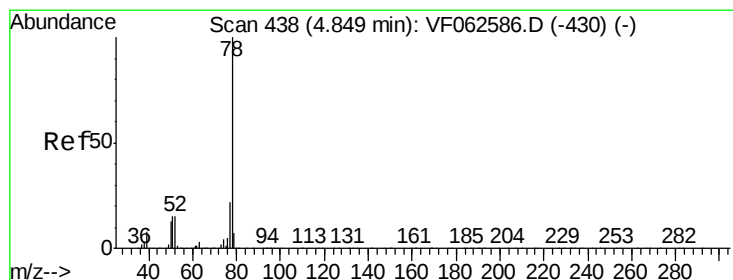
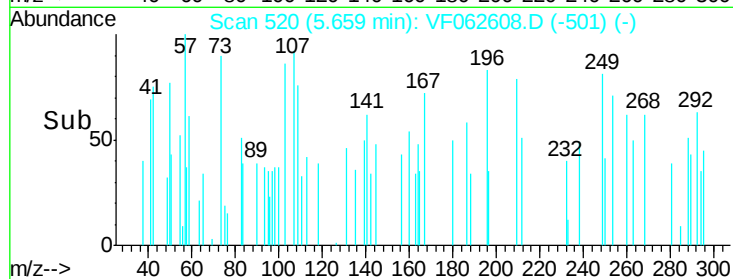
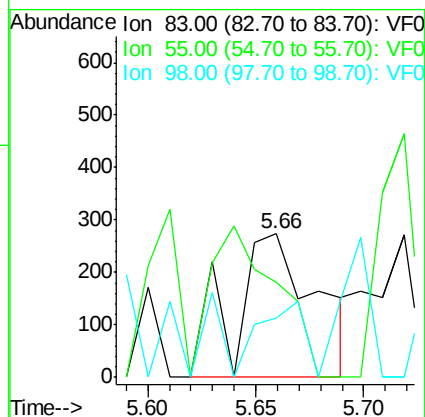
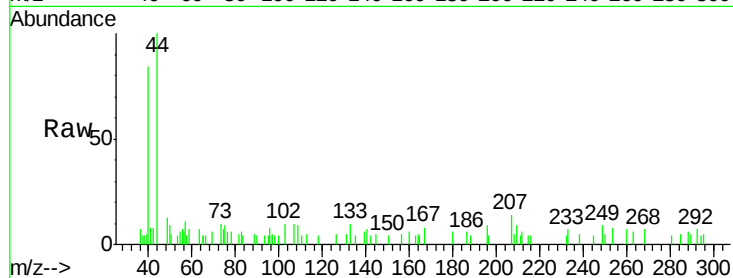




#39
Methvlcvclohexane
Concen: 32.570 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

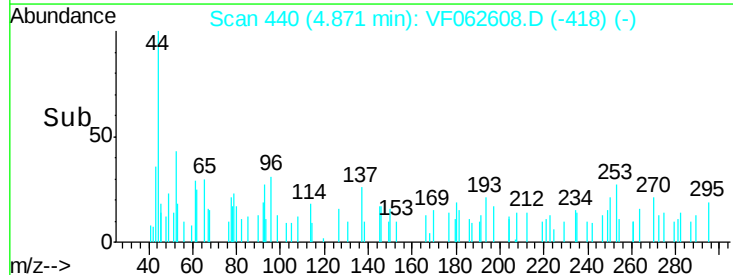
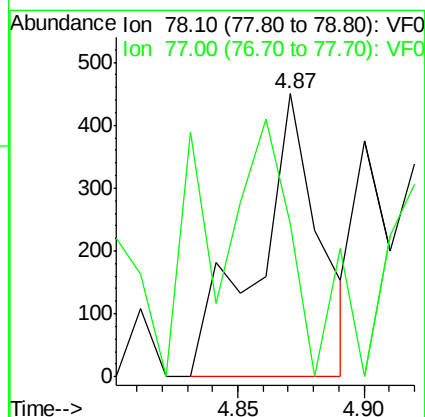
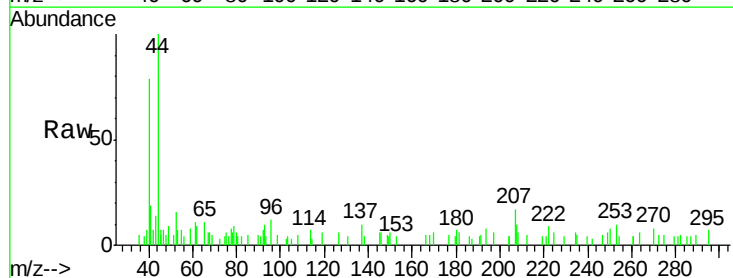
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

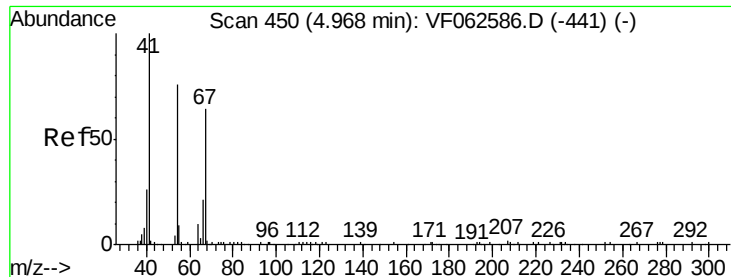
Tot Ion: 83 Resp: 720
Ion Ratio Lower Upper
83 100
55 66.3 66.6 100.0#
98 41.8 38.3 57.5



#40
Benzene
Concen: 14.428 ug/l
RT: 4.87 min Scan# 440
Delta R.T. 0.02 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 78 Resp: 775
Ion Ratio Lower Upper
78 100
77 54.0 17.7 26.5#





#41

Methacrylonitrile

Concen: 163.643 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.04 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

Tot Ion: 41 Resp: 719

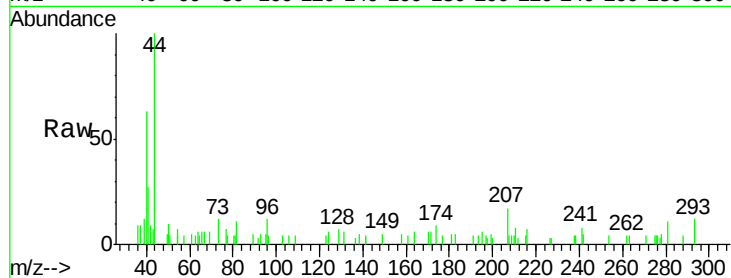
Ion Ratio Lower Upper

41 100

39 42.2 40.8 61.2

67 0.0 50.2 75.2#

52 0.0 36.8 55.2#

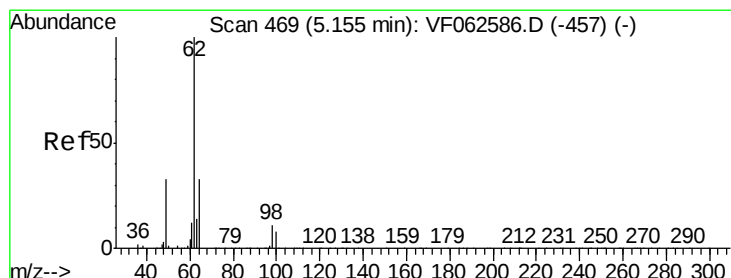
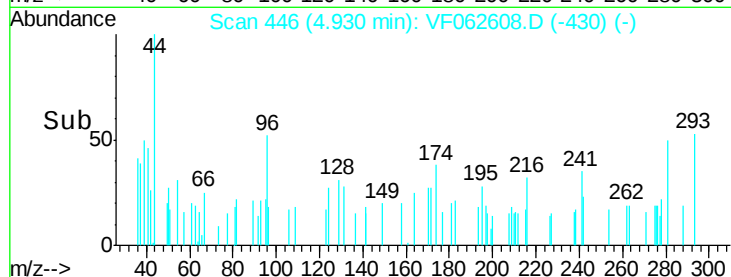
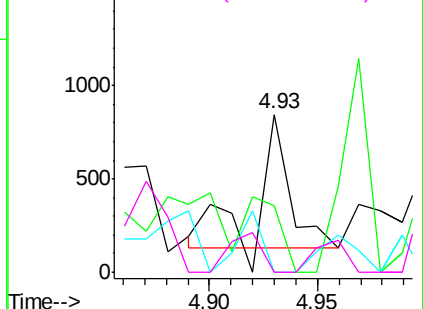


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 7.720 ug/l

RT: 5.17 min Scan# 470

Delta R.T. 0.01 min

Lab File: VF062608.D

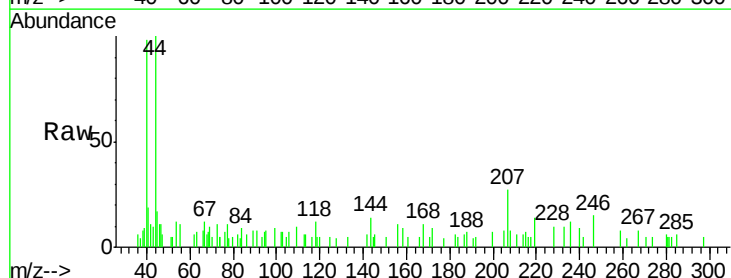
Acq: 15 May 2019 14:56

Tgt Ion: 62 Resp: 88

Ion Ratio Lower Upper

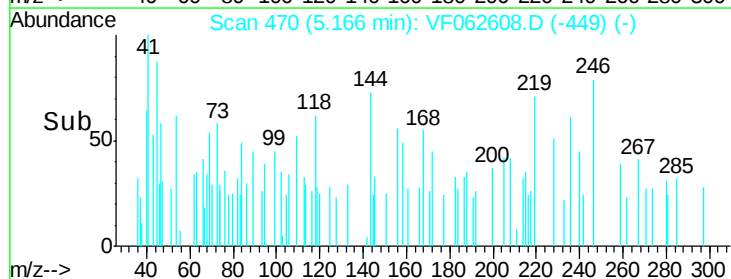
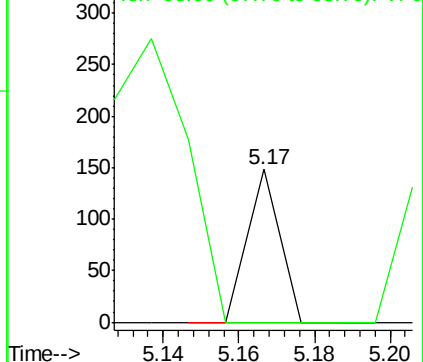
62 100

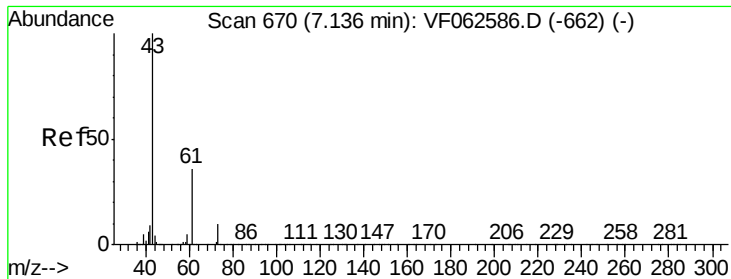
98 0.0 0.0 22.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 31.913 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

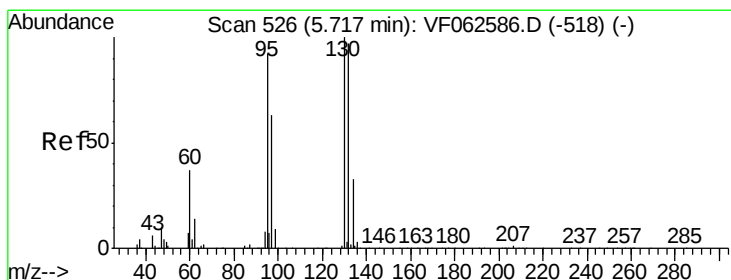
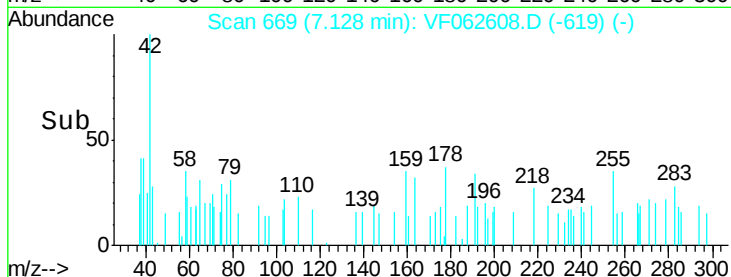
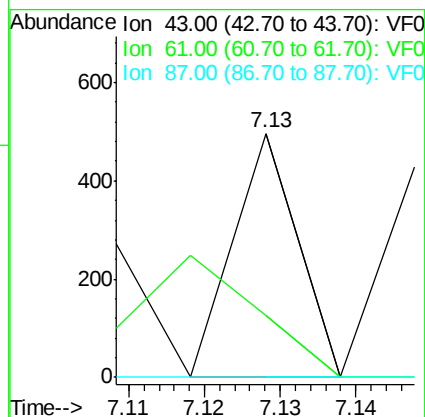
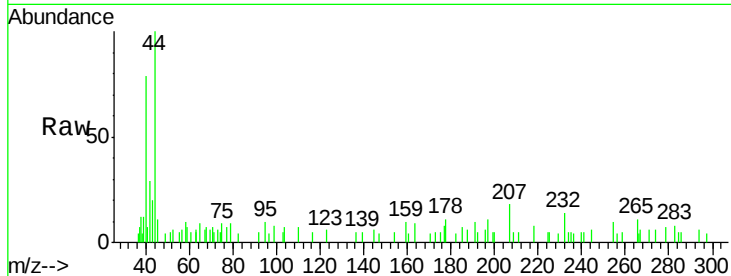
Tot Ion: 43 Resp: 293

Ion Ratio Lower Upper

43 100

61 25.4 28.5 42.7#

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 7.790 ug/l

RT: 5.72 min Scan# 526

Delta R.T. 0.00 min

Lab File: VF062608.D

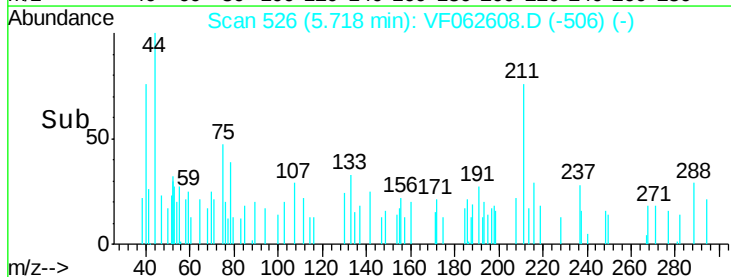
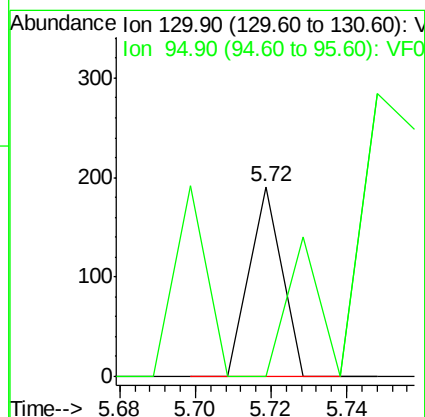
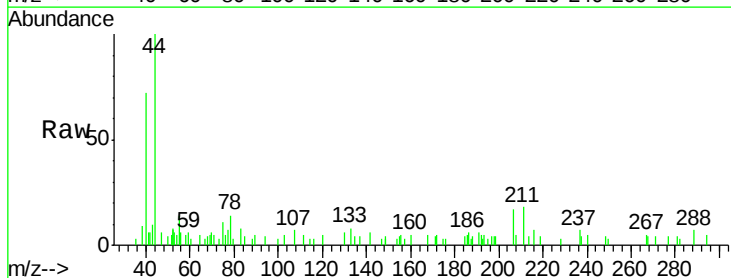
Acq: 15 May 2019 14:56

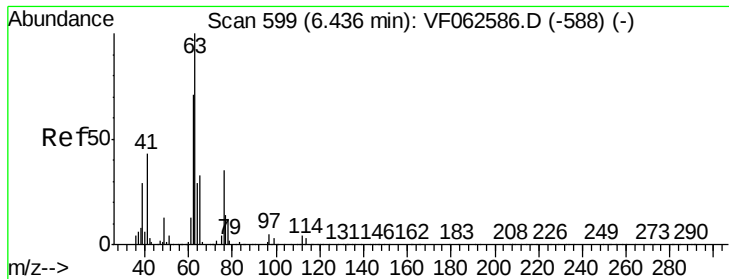
Tgt Ion: 130 Resp: 113

Ion Ratio Lower Upper

130 100

95 0.0 0.0 185.0





#45

1,2-Dichloropropane

Concen: 14.645 ug/l

RT: 6.31 min Scan# 586

Delta R.T. -0.13 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

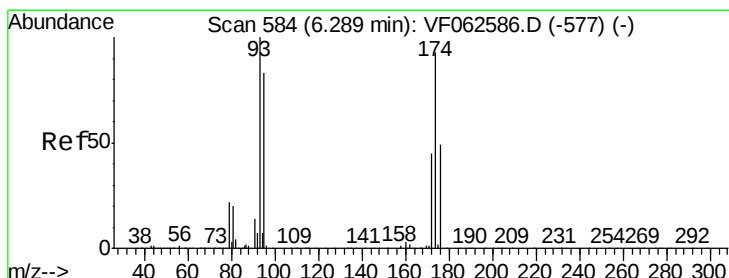
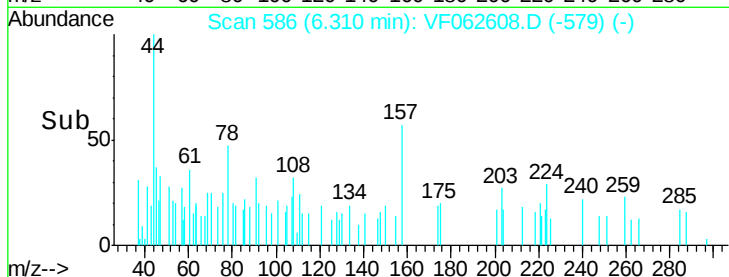
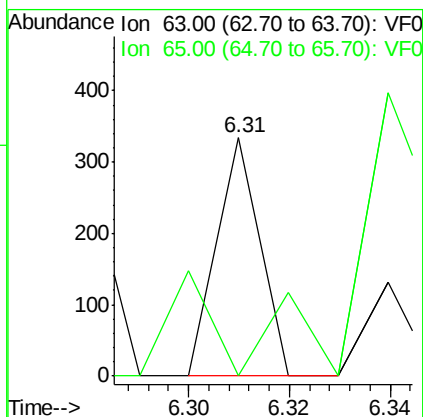
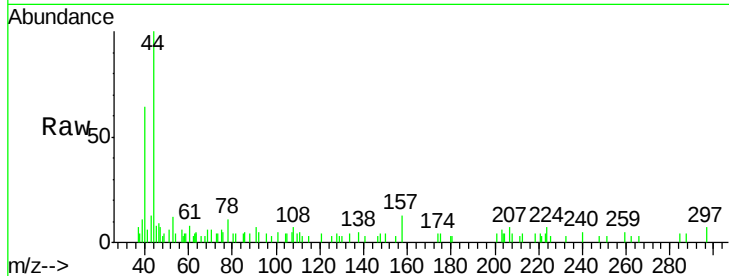
RT-1873

Tot Ion: 63 Resp: 198

Ion Ratio Lower Upper

63 100

65 34.7 26.2 39.4



#46

Dibromomethane

Concen: 15.214 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

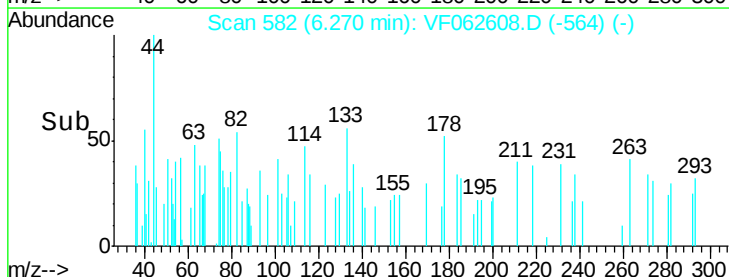
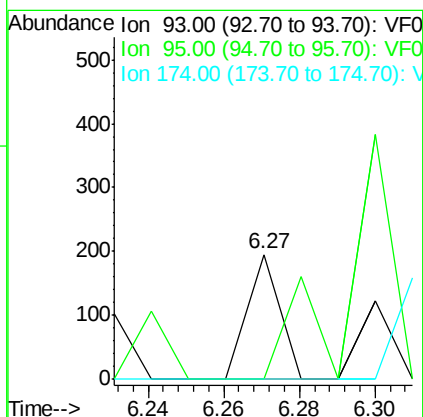
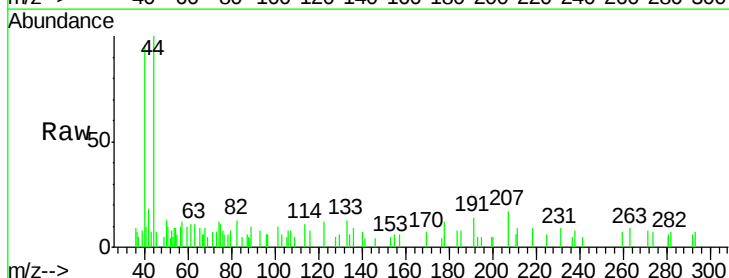
Tgt Ion: 93 Resp: 115

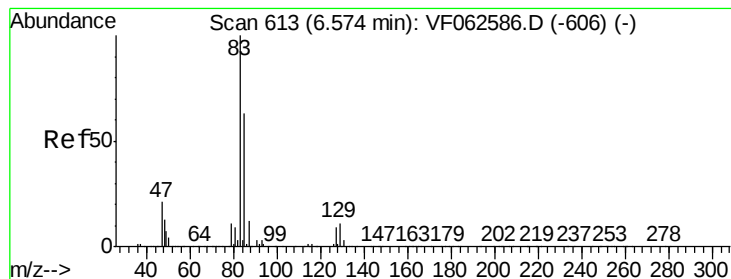
Ion Ratio Lower Upper

93 100

95 0.0 66.9 100.3#

174 0.0 74.6 112.0#





#47

Bromodichloromethane

Concen: 4.062 ug/l

RT: 6.59 min Scan# 614

Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

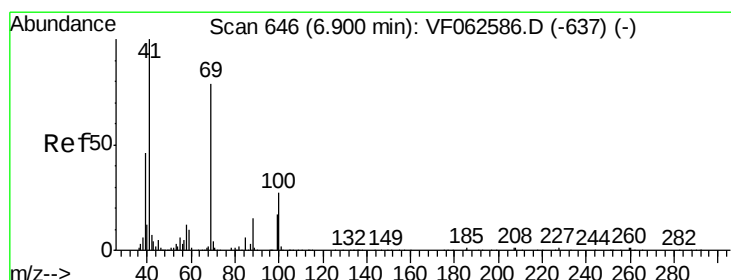
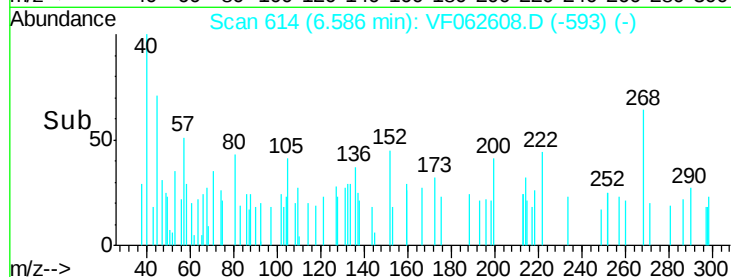
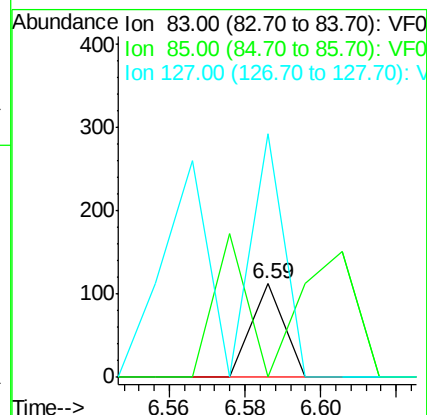
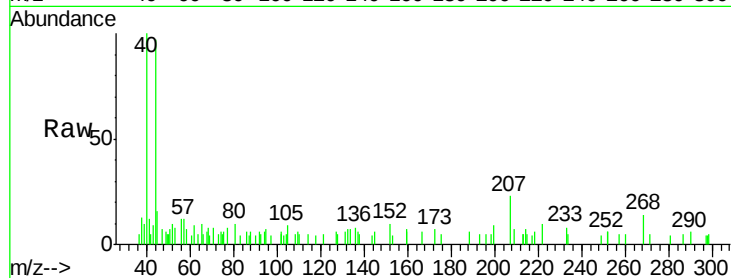
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

85 0.0 50.3 75.5#

127 260.7 7.2 10.8#



#48

Methyl methacrylate

Concen: 175.900 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

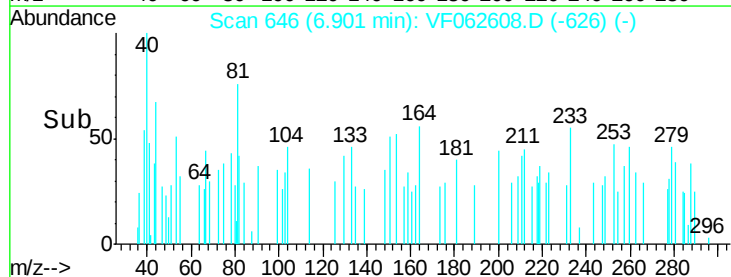
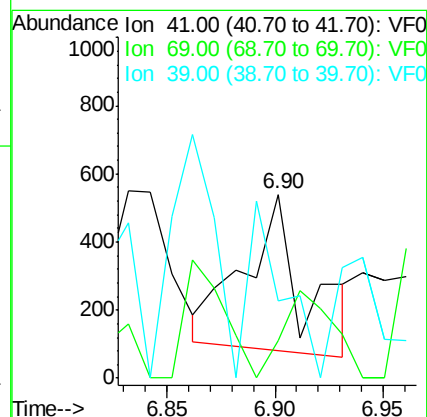
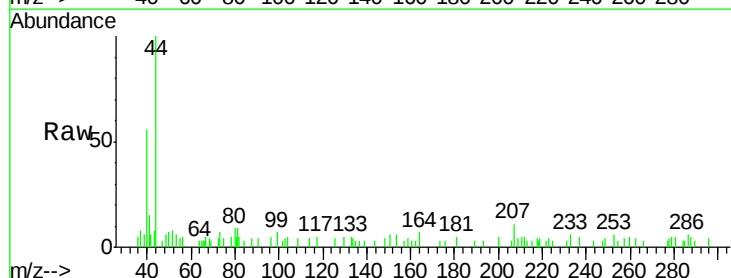
Tgt Ion: 41 Resp: 884

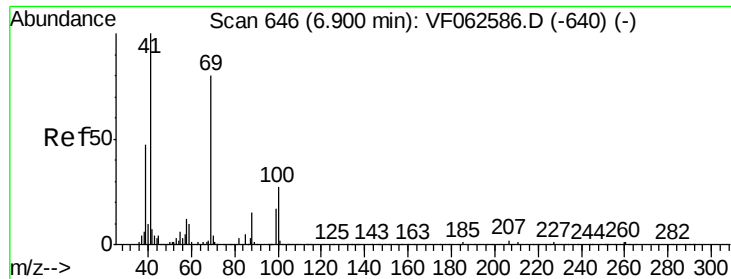
Ion Ratio Lower Upper

41 100

69 20.4 63.0 94.6#

39 41.9 37.6 56.4

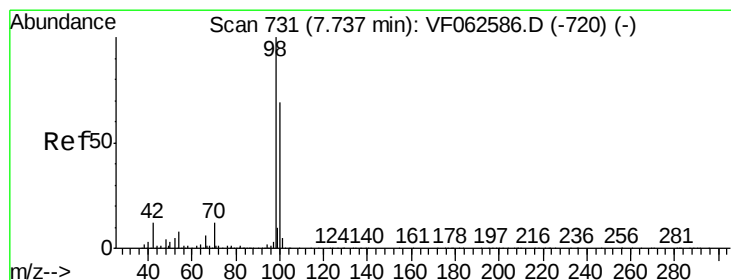
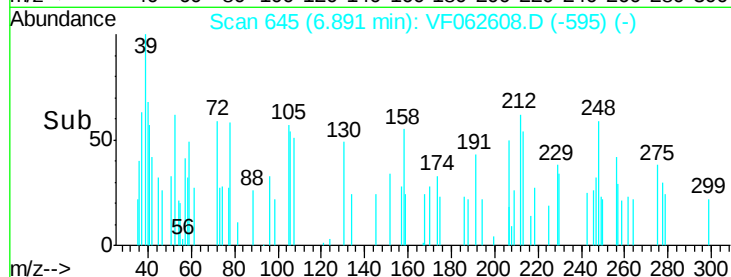
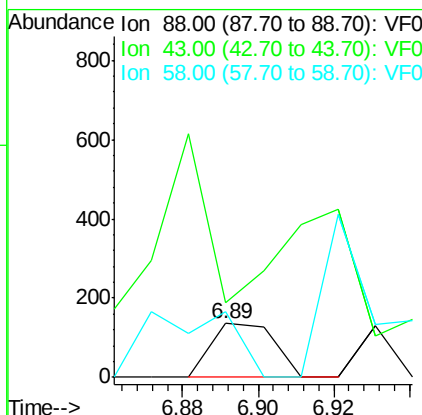
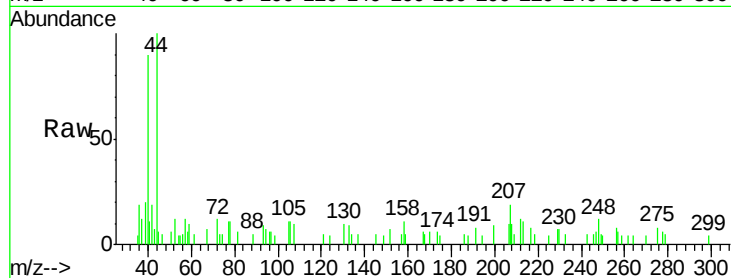




#49
1,4-Dioxane
Concen: 2355.580 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

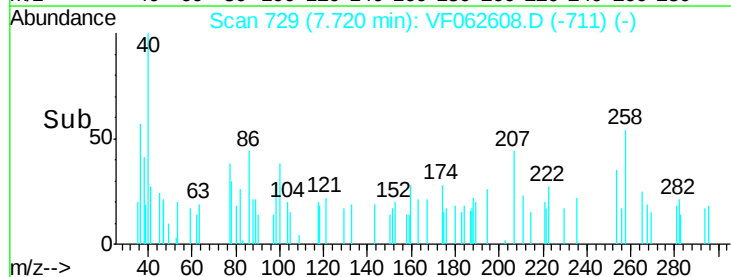
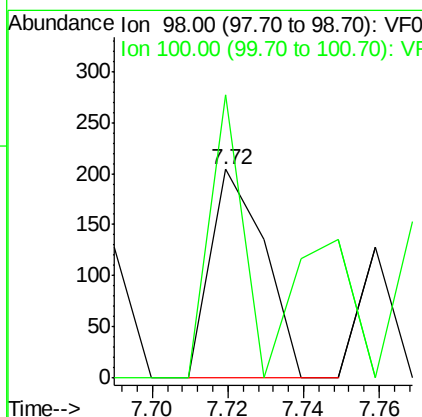
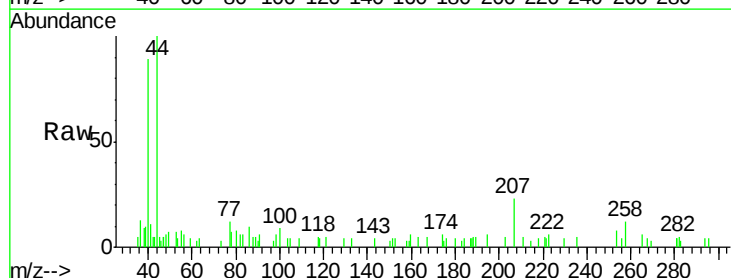
Instrument :
MSVOA_F
ClientSampled :
RT-1873

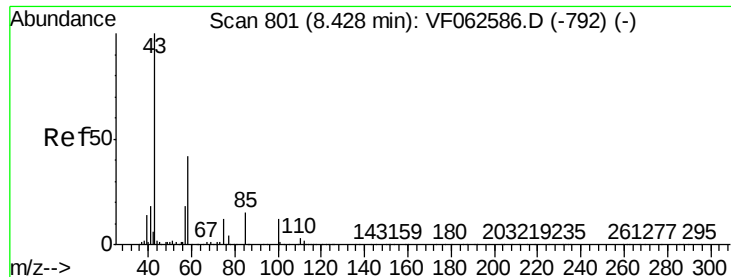
Tot Ion: 88 Resp: 156
Ion Ratio Lower Upper
88 100
43 139.0 28.8 43.2#
58 122.1 60.6 90.8#



#50
Toluene-d8
Concen: 5.252 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 98 Resp: 201
Ion Ratio Lower Upper
98 100
100 136.3 55.4 83.0#





#51

4-Methyl-2-Pentanone

Concen: 117.727 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleID :

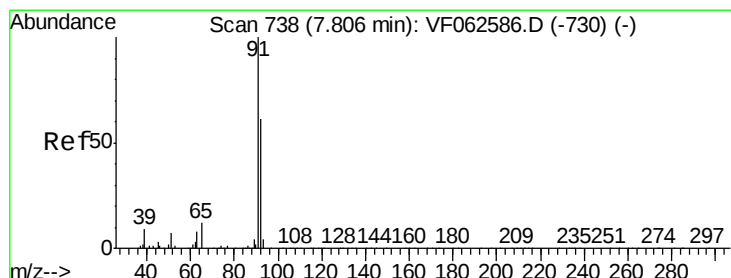
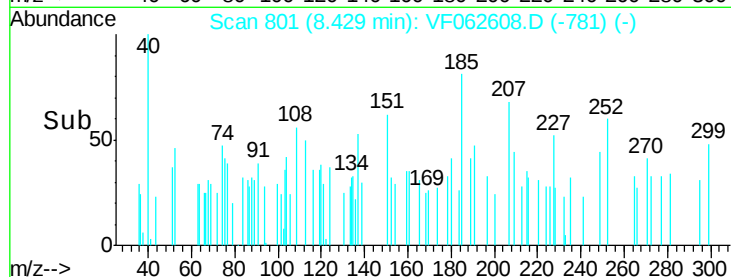
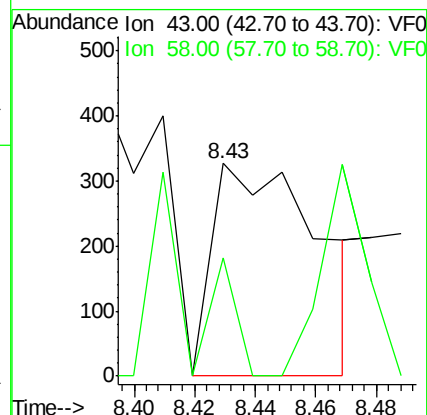
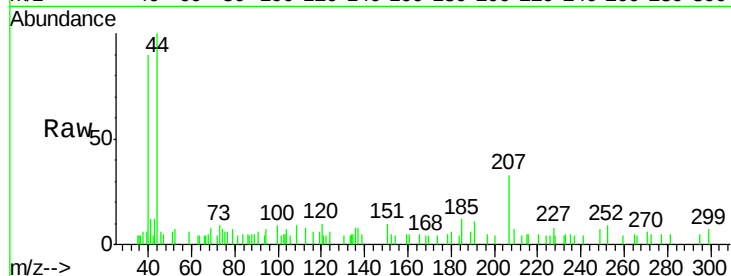
RT-1873

Tot Ion: 43 Resp: 792

Ion Ratio Lower Upper

43 100

58 55.4 33.6 50.4#



#52

Toluene

Concen: 25.627 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062608.D

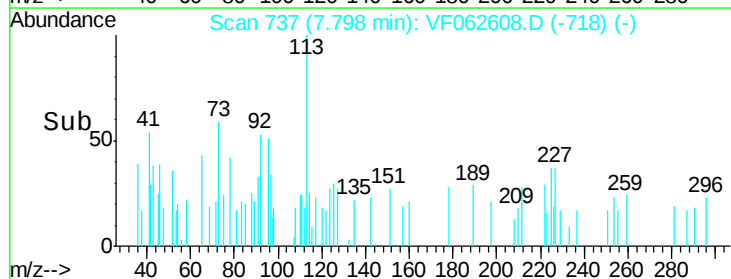
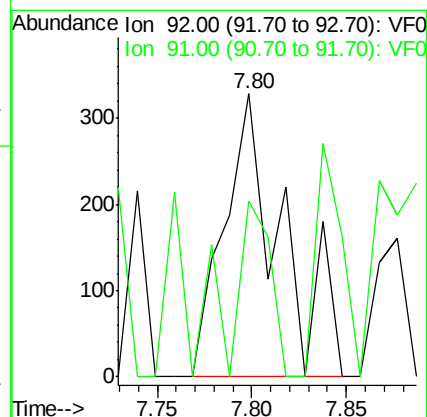
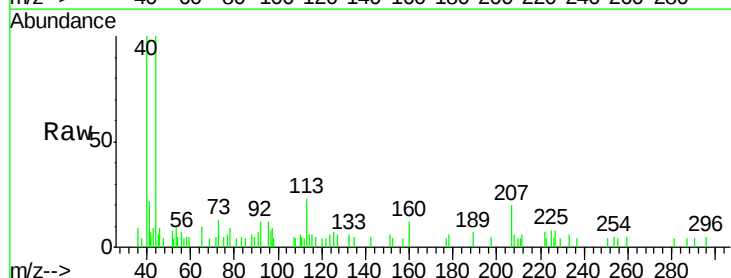
Acq: 15 May 2019 14:56

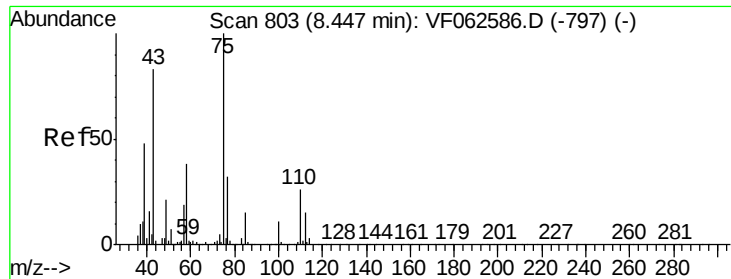
Tgt Ion: 92 Resp: 691

Ion Ratio Lower Upper

92 100

91 62.2 131.0 196.4#





#53

t-1,3-Dichloropropene

Concen: 16.436 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

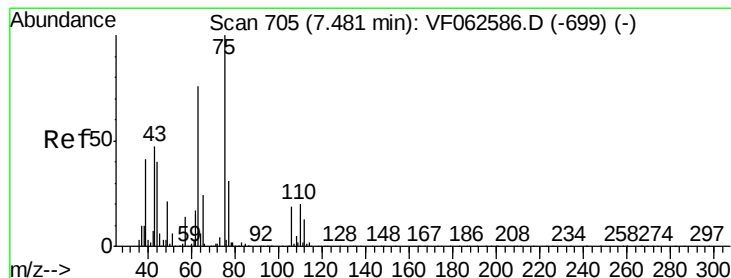
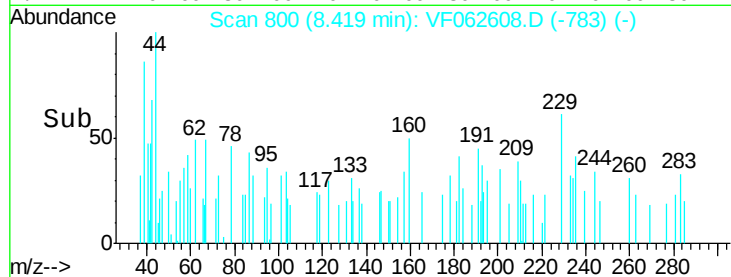
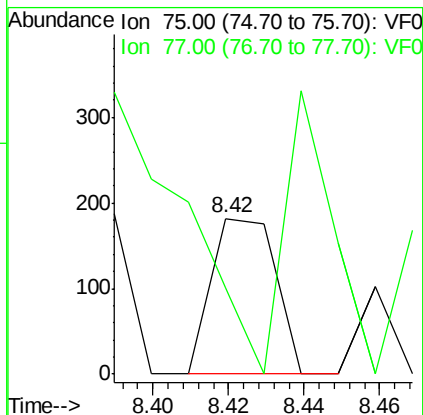
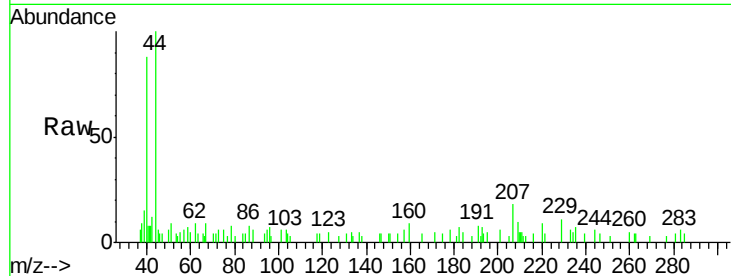
RT-1873

Tot Ion: 75 Resp: 211

Ion Ratio Lower Upper

75 100

77 55.5 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 17.033 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

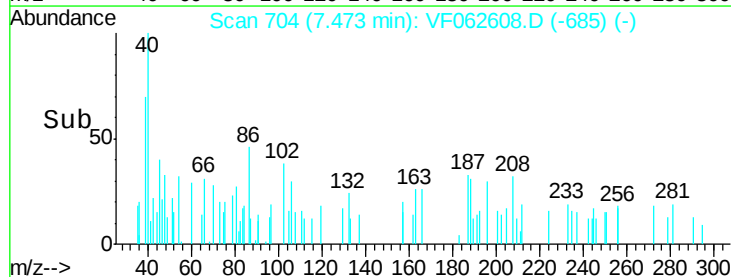
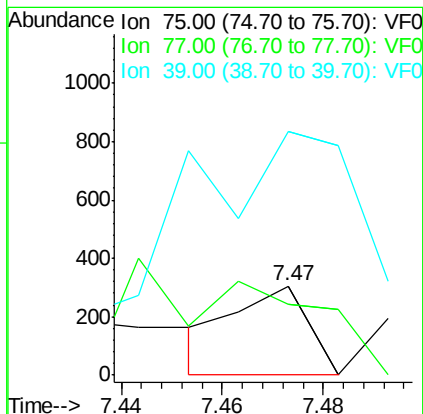
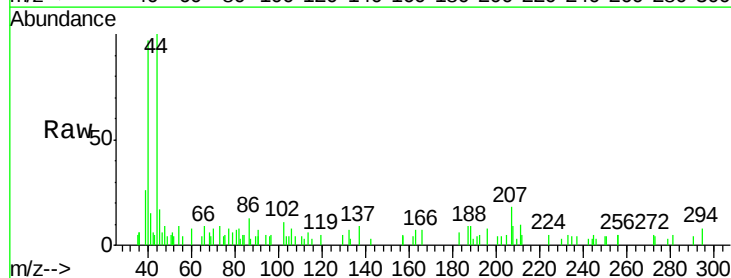
Tgt Ion: 75 Resp: 309

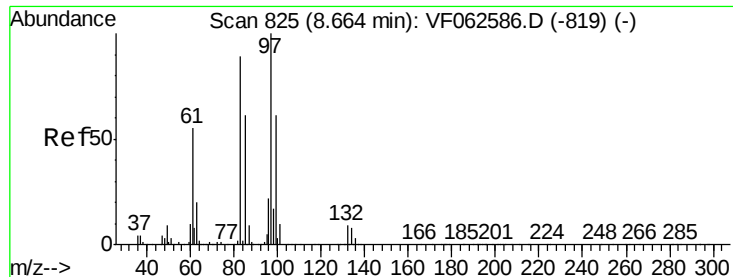
Ion Ratio Lower Upper

75 100

77 78.8 25.0 37.6#

39 272.5 32.8 49.2#





#55

1,1,2-Trichloroethane

Concen: 32.081 ug/l

RT: 8.68 min Scan# 826

Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

Tot Ion: 97 Resp: 259

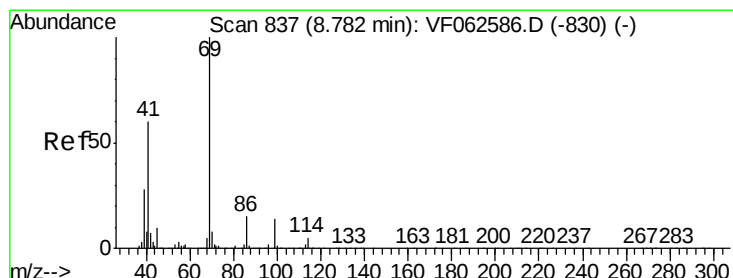
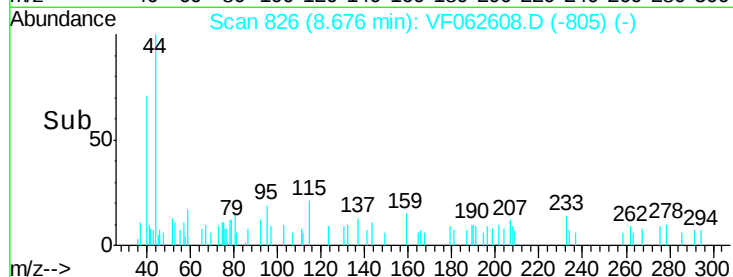
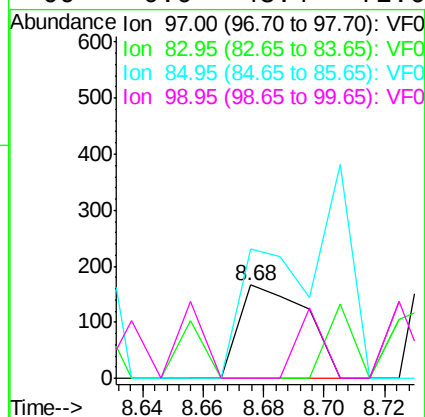
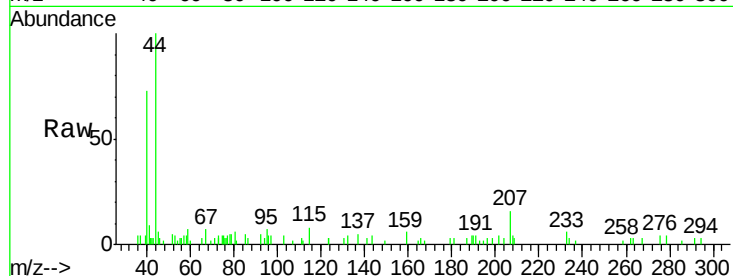
Ion Ratio Lower Upper

97 100

83 0.0 71.3 106.9#

85 138.9 48.9 73.3#

99 0.0 48.4 72.6#



#56

Ethyl methacrylate

Concen: 29.384 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

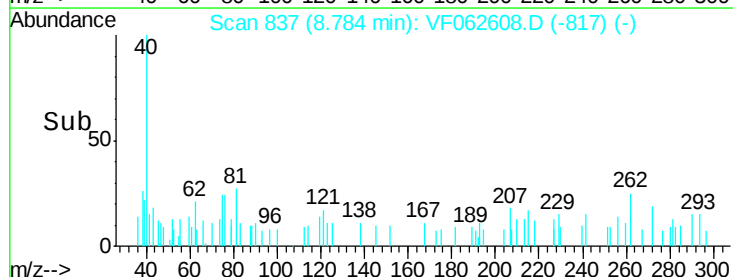
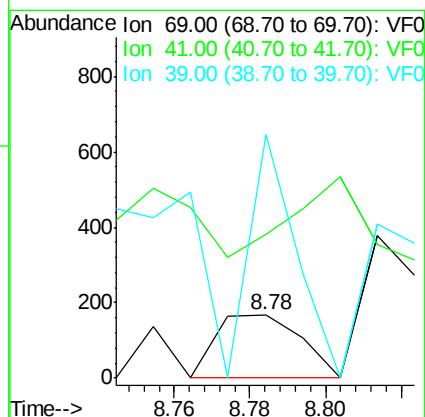
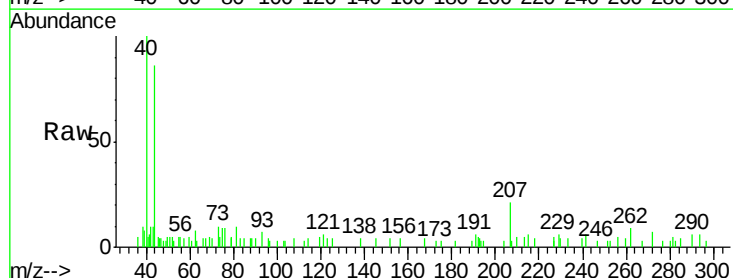
Tgt Ion: 69 Resp: 260

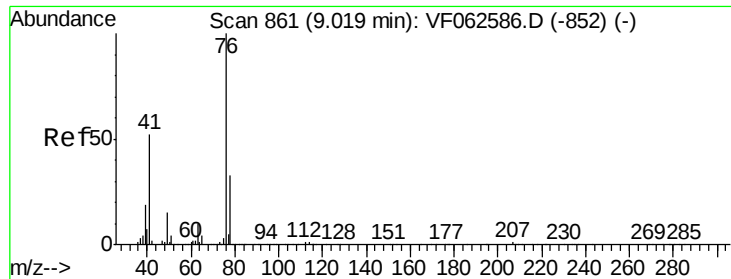
Ion Ratio Lower Upper

69 100

41 226.0 48.1 72.1#

39 382.2 22.5 33.7#





#57

1,3-Dichloropropane

Concen: 5.403 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

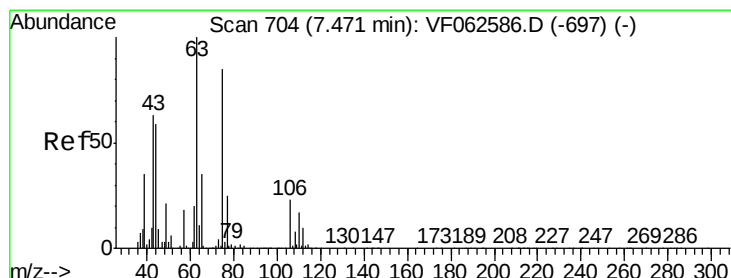
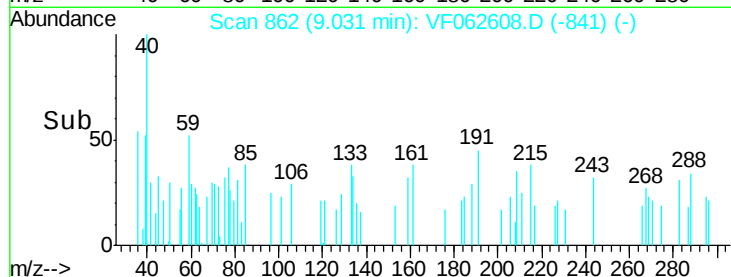
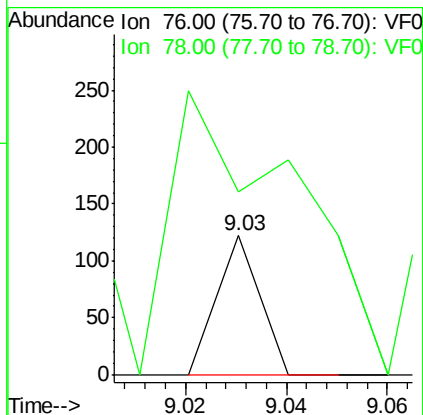
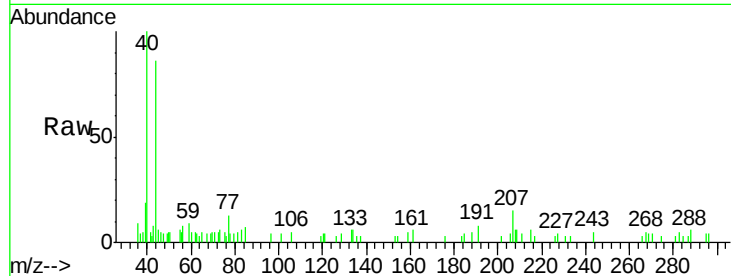
RT-1873

Tot Ion: 76 Resp: 72

Ion Ratio Lower Upper

76 100

78 132.0 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 68.267 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062608.D

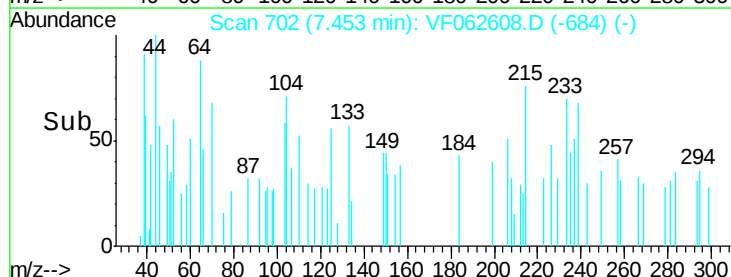
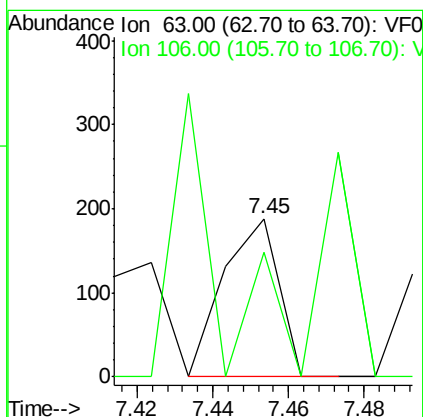
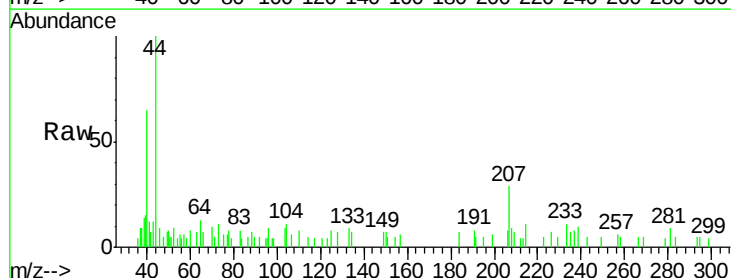
Acq: 15 May 2019 14:56

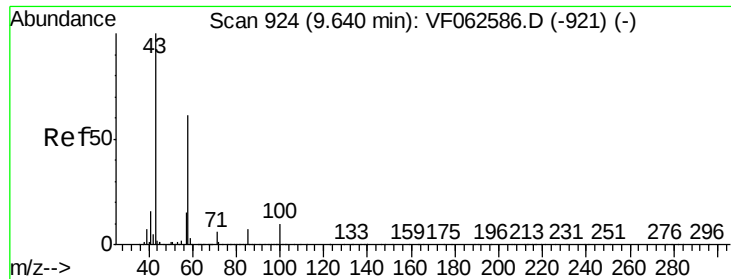
Tgt Ion: 63 Resp: 189

Ion Ratio Lower Upper

63 100

106 78.7 18.0 27.0#

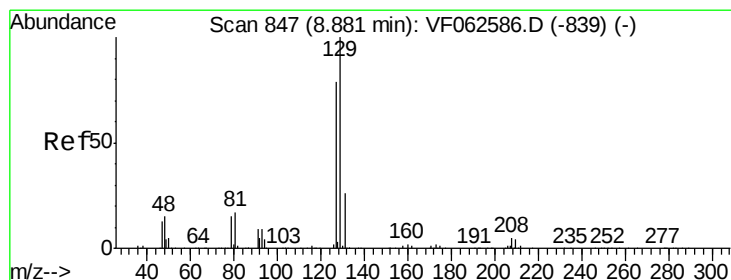
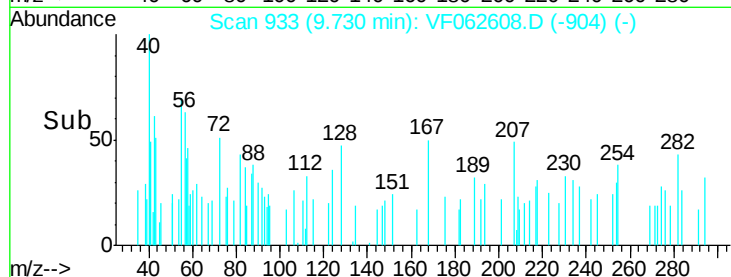
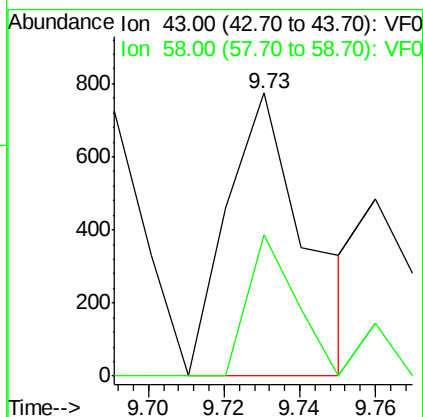
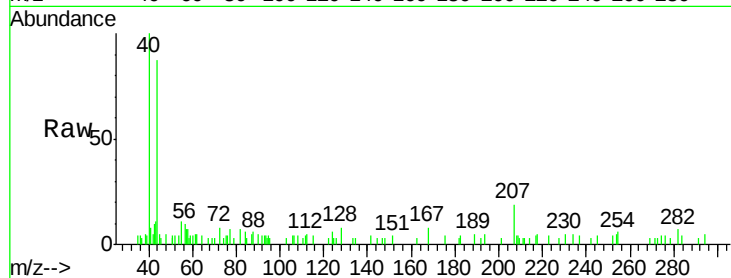




#59
2-Hexanone
Concen: 255.227 ug/l
RT: 9.73 min Scan# 933
Delta R.T. 0.09 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

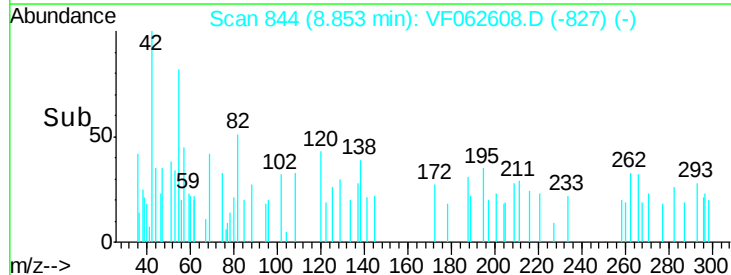
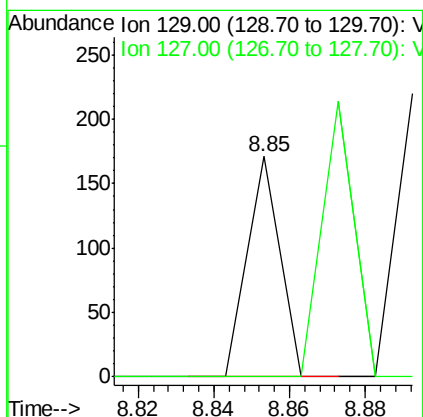
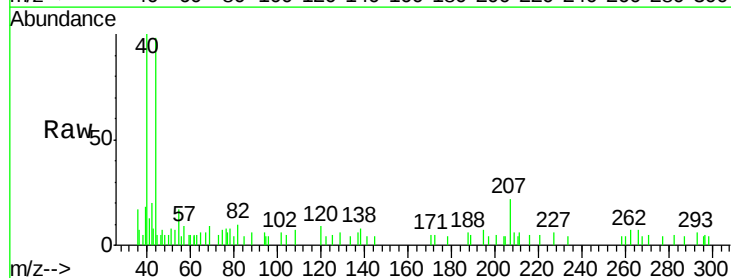
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

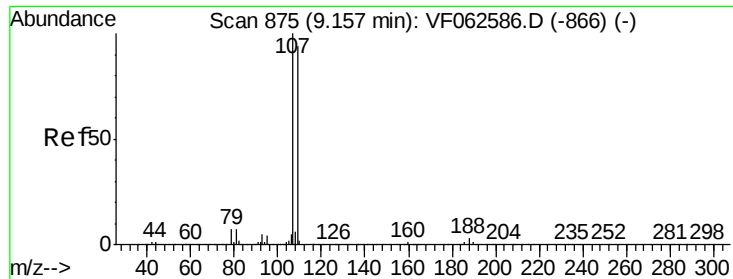
Tot Ion: 43 Resp: 1134
Ion Ratio Lower Upper
43 100
58 50.0 28.7 86.3



#60
Dibromochloromethane
Concen: 9.847 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 129 Resp: 101
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.9#





#61

1,2-Dibromoethane

Concen: 9.633 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

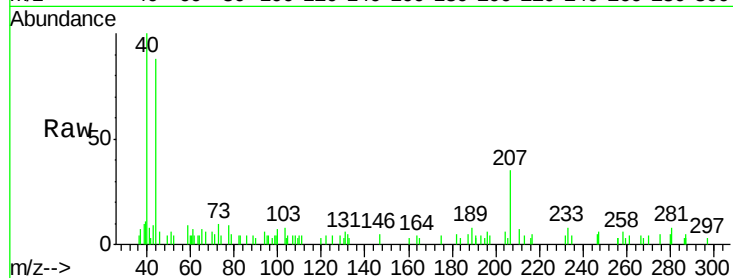
RT-1873

Tot Ion:107 Resp: 78

Ion Ratio Lower Upper

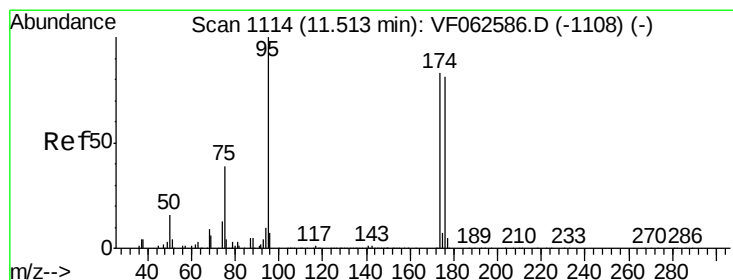
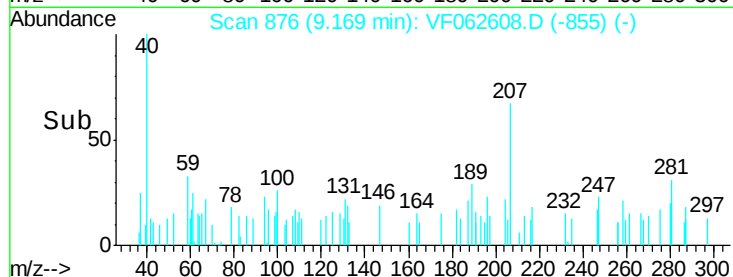
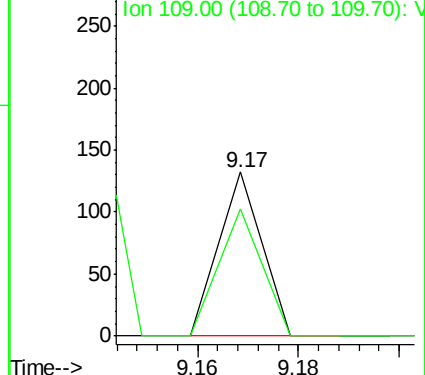
107 100

109 78.0 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 15.189 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. -0.04 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

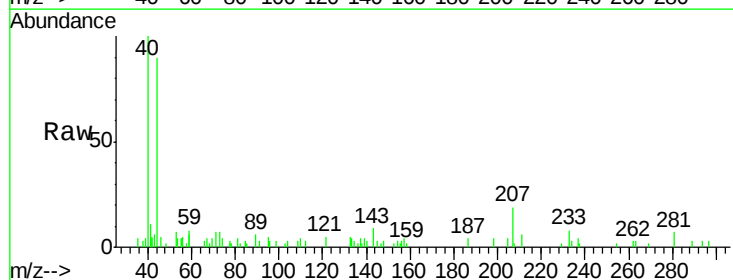
Tgt Ion: 95 Resp: 203

Ion Ratio Lower Upper

95 100

174 0.0 0.0 166.6

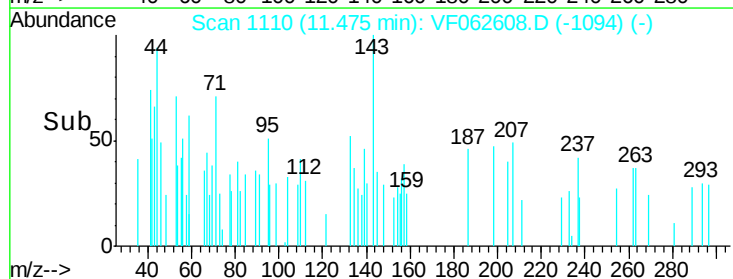
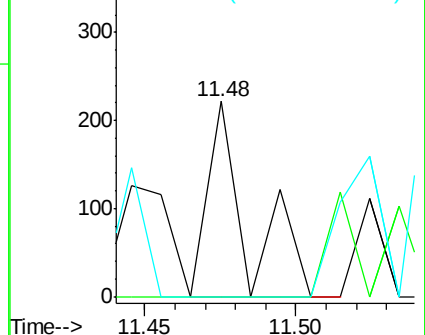
176 0.0 0.0 161.8

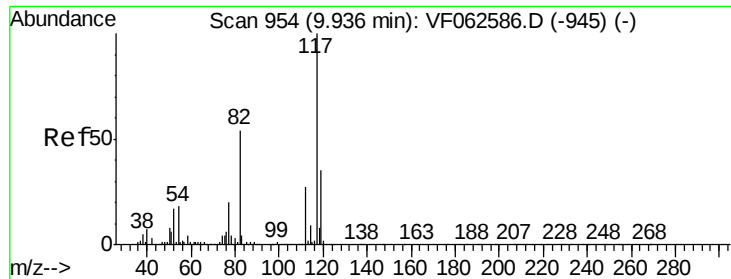


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

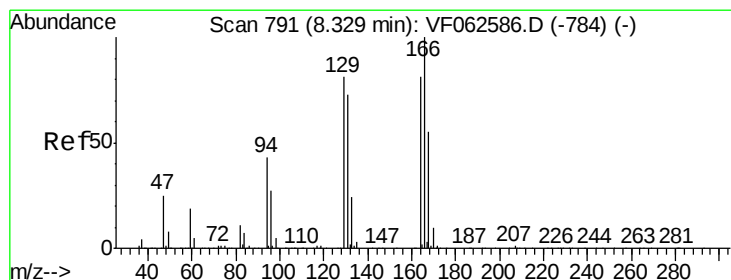
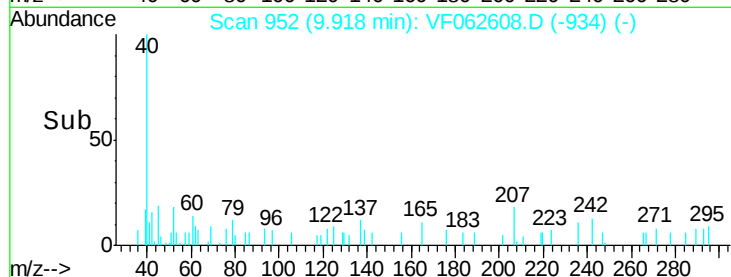
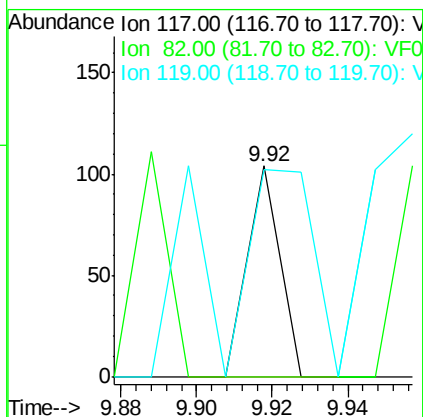
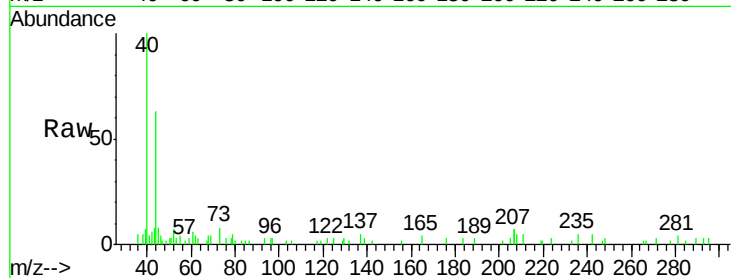




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

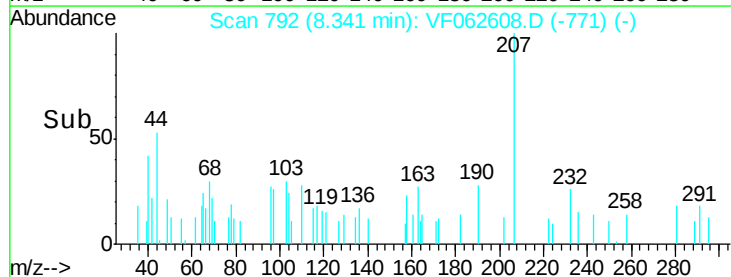
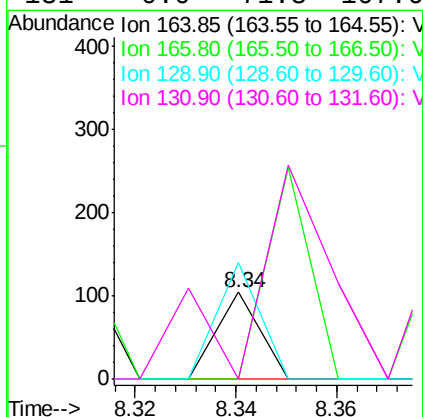
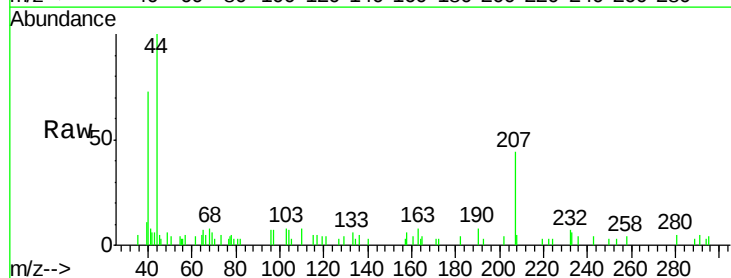
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

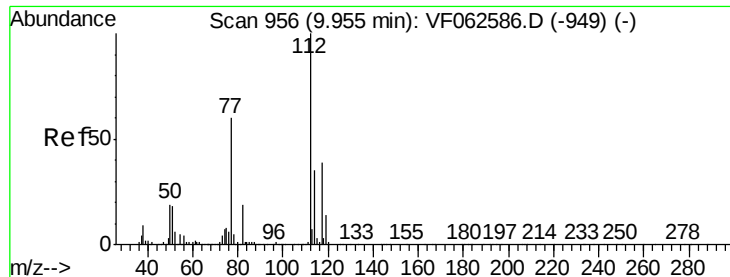
Tot Ion	Ratio	Lower	Upper
117	100		
82	0.0	43.4	65.0#
119	98.1	27.7	41.5#



#64
Tetrachloroethene
Concen: 151.333 ug/l
RT: 8.34 min Scan# 792
Delta R.T. 0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	98.6	148.0#
129	134.6	80.2	120.4#
131	0.0	71.8	107.6#

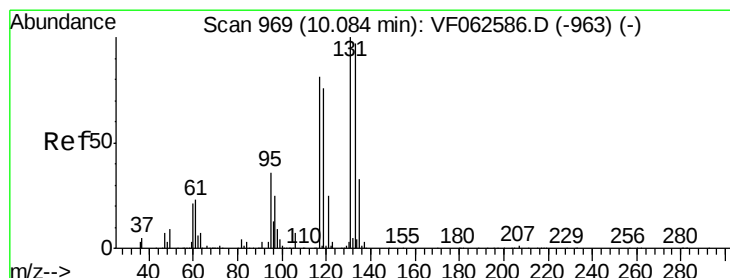
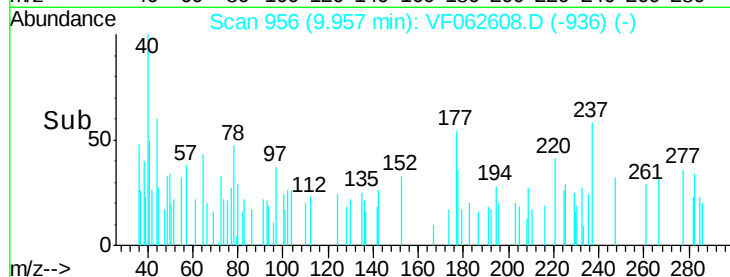
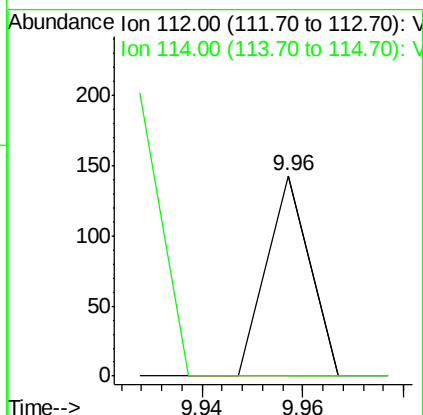
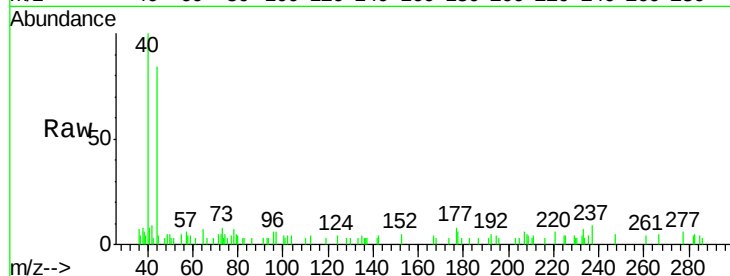




#65
Chlorobenzene
Concen: 78.858 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

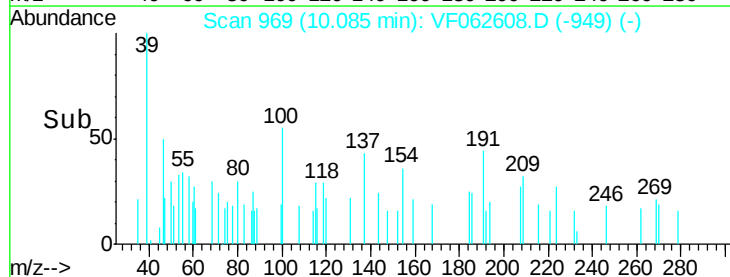
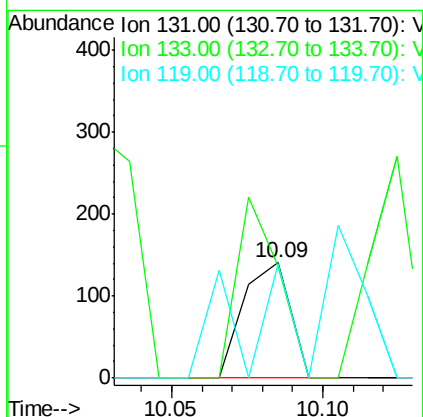
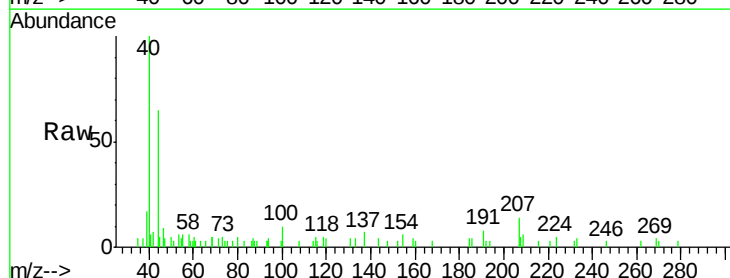
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

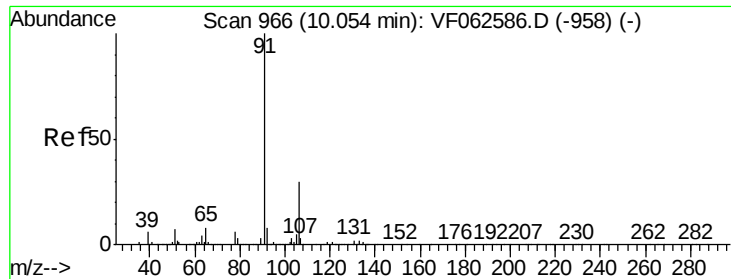
Tot Ion:112 Resp: 85
Ion Ratio Lower Upper
112 100
114 0.0 27.9 41.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 341.066 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion:131 Resp: 151
Ion Ratio Lower Upper
131 100
133 97.2 48.4 145.3
119 98.6 38.5 115.5





#67

Ethyl Benzene

Concen: 230.280 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

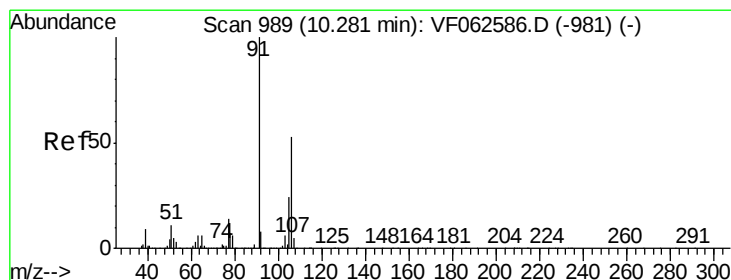
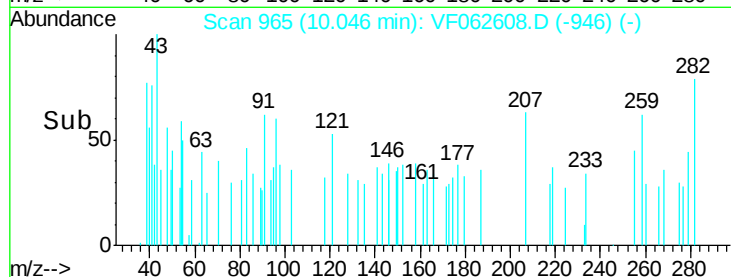
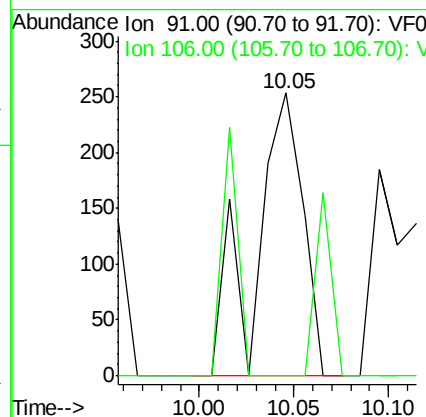
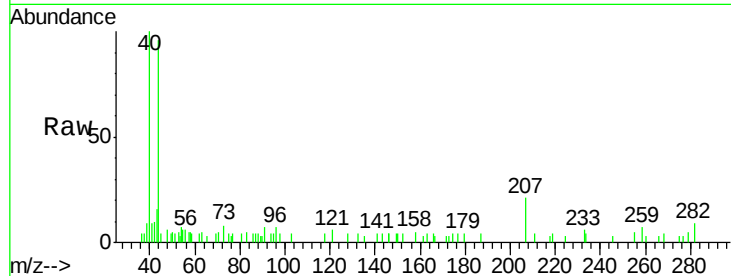
RT-1873

Tot Ion: 91 Resp: 441

Ion Ratio Lower Upper

91 100

106 0.0 24.2 36.4#



#68

m/p-Xylenes

Concen: 106.074 ug/l

RT: 10.32 min Scan# 993

Delta R.T. 0.04 min

Lab File: VF062608.D

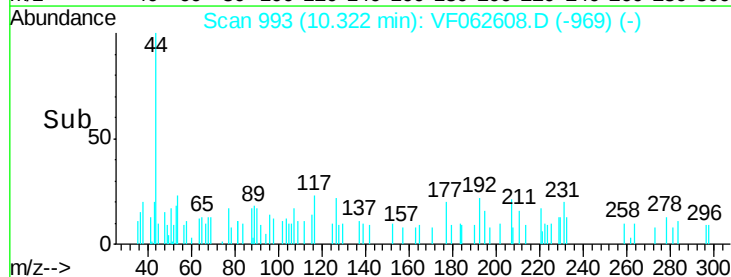
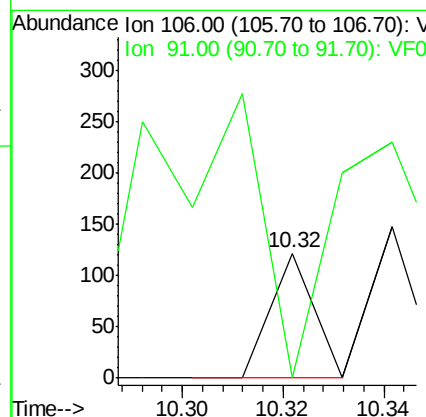
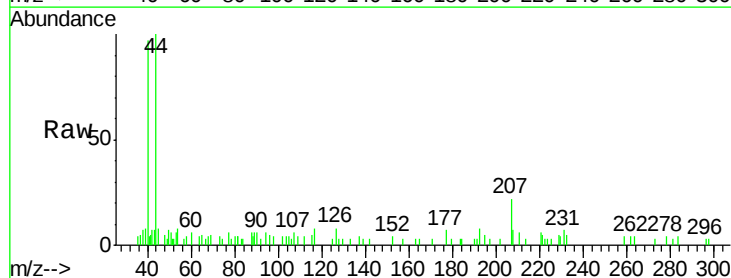
Acq: 15 May 2019 14:56

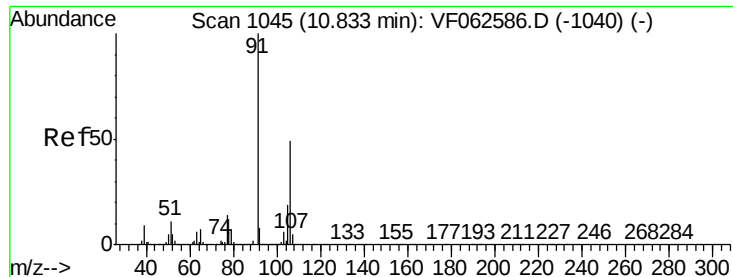
Tgt Ion: 106 Resp: 72

Ion Ratio Lower Upper

106 100

91 0.0 150.5 225.7#

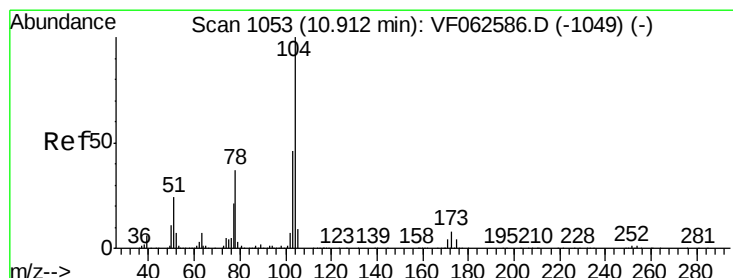
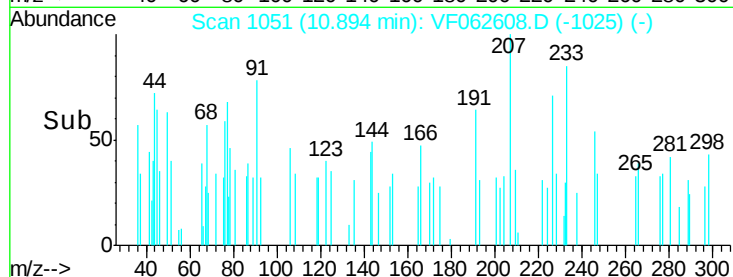
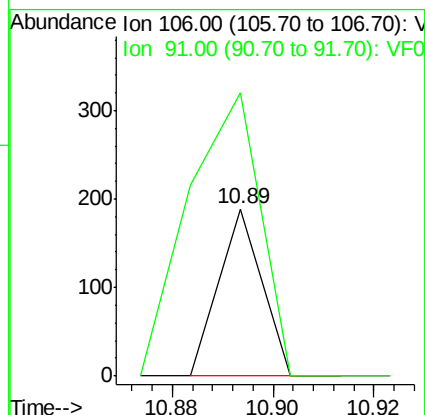
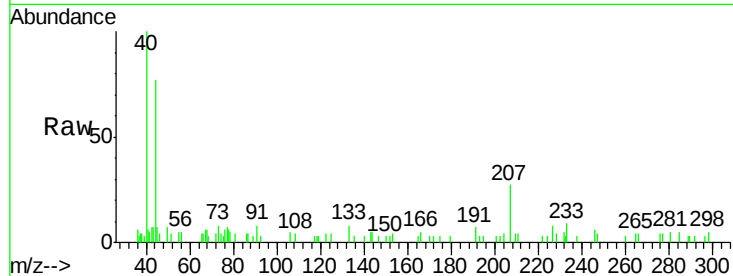




#69
o-Xylene
Concen: 157.293 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.06 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

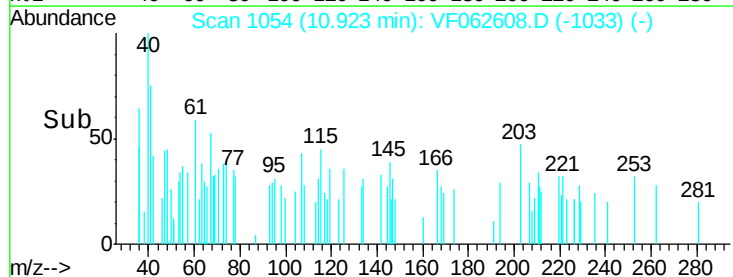
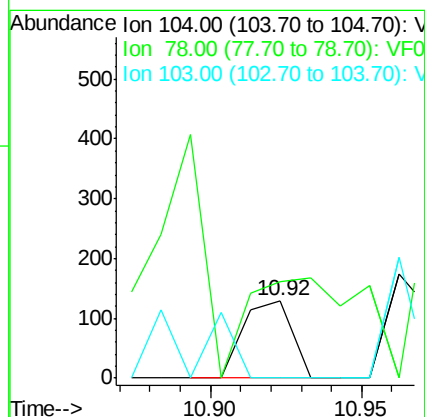
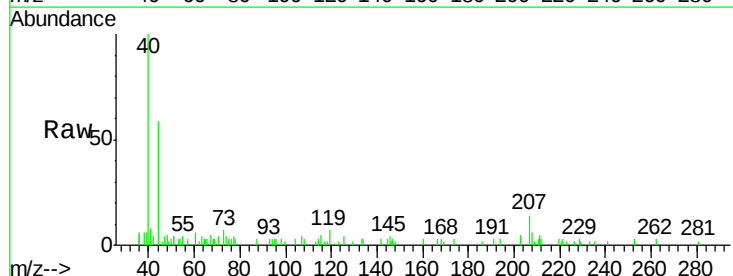
Instrument :
MSVOA_F
ClientSampled :
RT-1873

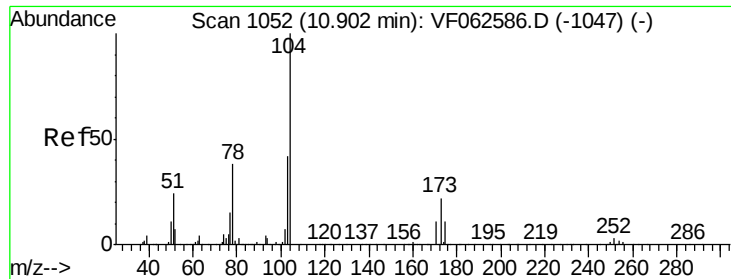
Tot Ion:106 Resp: 112
Ion Ratio Lower Upper
106 100
91 169.3 102.0 305.9



#70
Styrene
Concen: 134.016 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion:104 Resp: 145
Ion Ratio Lower Upper
104 100
78 124.6 30.2 45.2#
103 0.0 37.0 55.6#





#71

Bromoform

Concen: 916.256 ug/l

RT: 10.95 min Scan# 1057

Delta R.T. 0.05 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

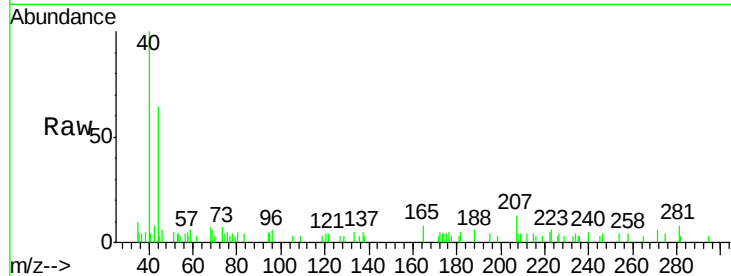
Tot Ion:173 Resp: 191

Ion Ratio Lower Upper

173 100

175 98.3 24.1 72.3#

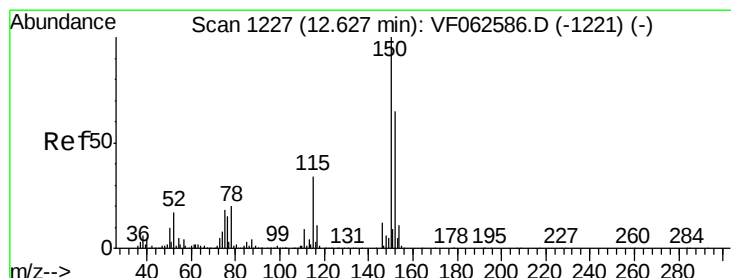
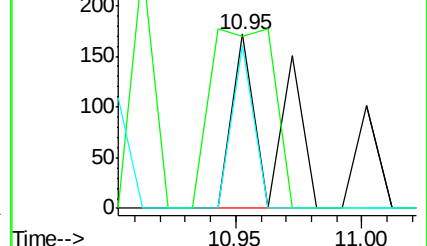
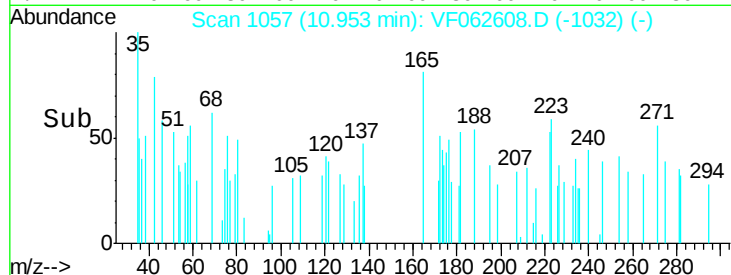
254 93.6 0.0 0.0#



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: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

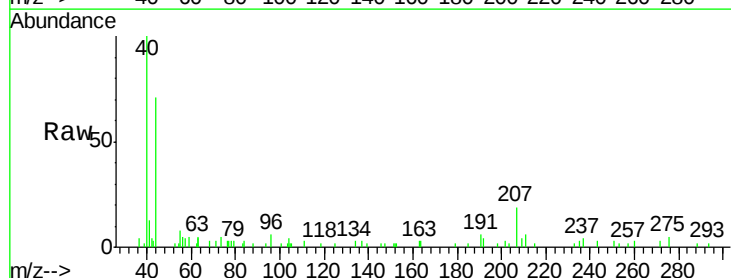
Tgt Ion:152 Resp: 77

Ion Ratio Lower Upper

152 100

115 0.0 26.2 78.6#

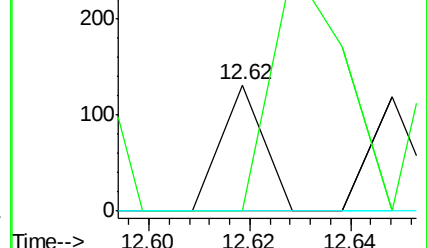
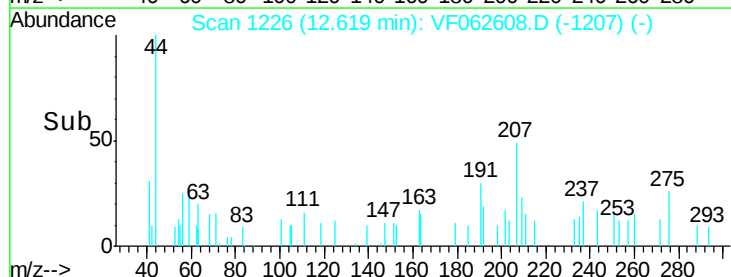
150 0.0 0.0 316.0

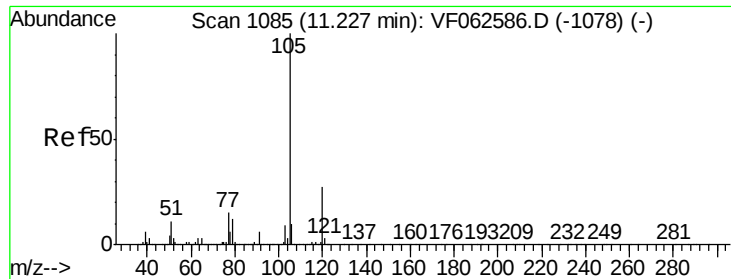


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 16.998 ug/l

RT: 11.18 min Scan# 1080

Delta R.T. -0.05 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

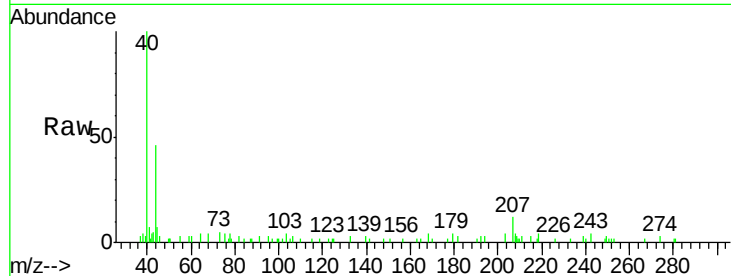
RT-1873

Tot Ion:105 Resp: 88

Ion Ratio Lower Upper

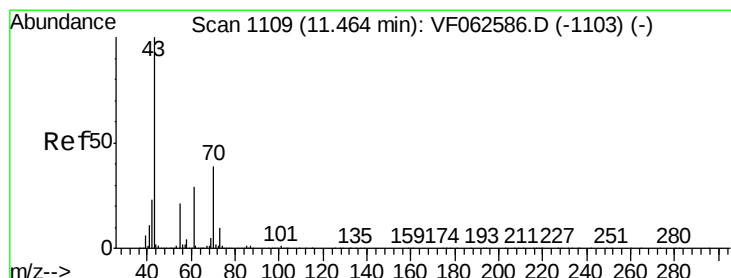
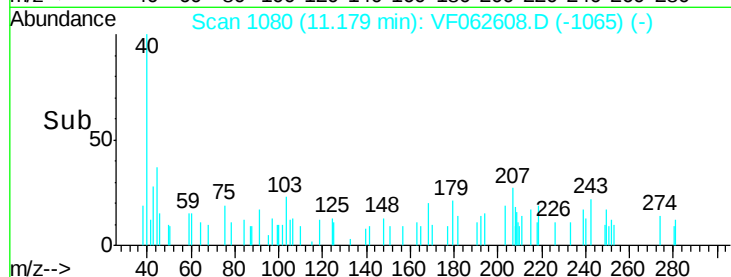
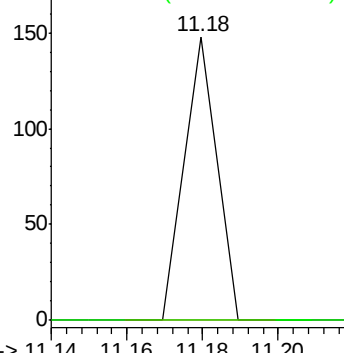
105 100

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



#74

N-ethyl acetate

Concen: 948.216 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Tgt Ion: 43 Resp: 1192

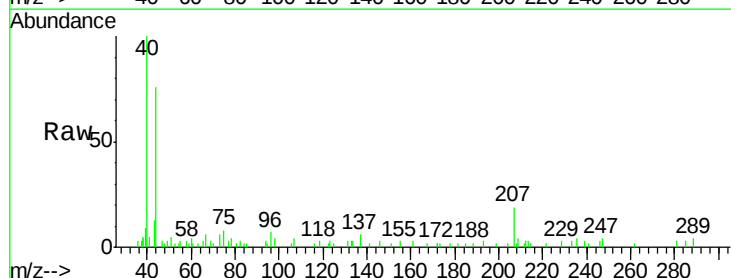
Ion Ratio Lower Upper

43 100

70 18.0 31.0 46.4#

55 26.9 16.7 25.1#

61 18.3 23.4 35.2#

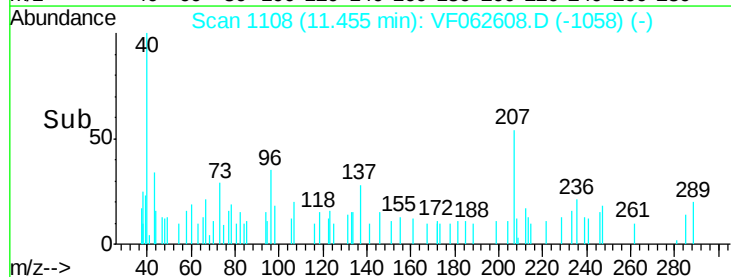
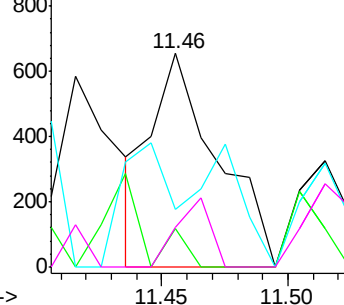


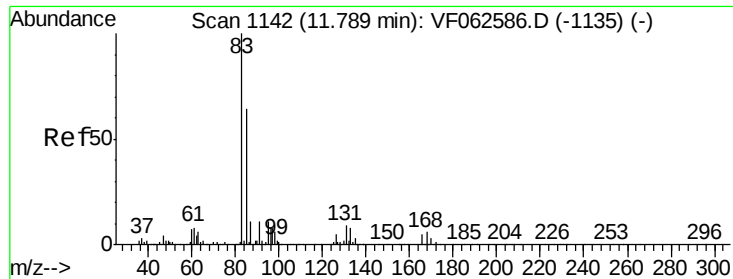
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 376.189 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

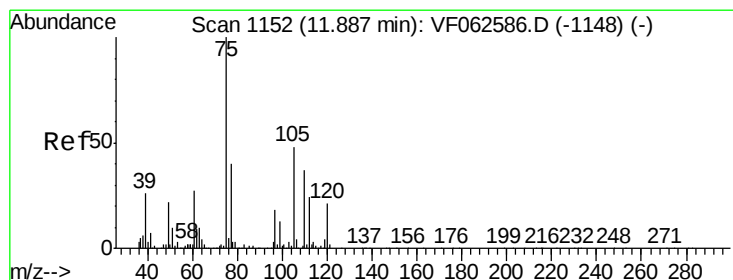
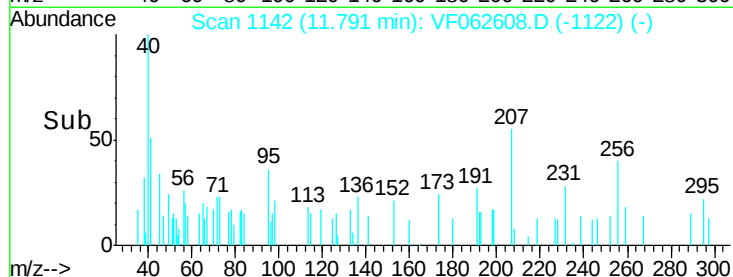
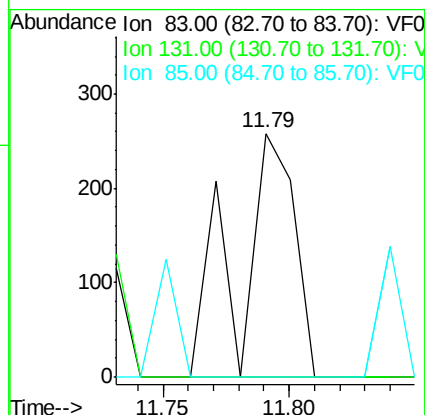
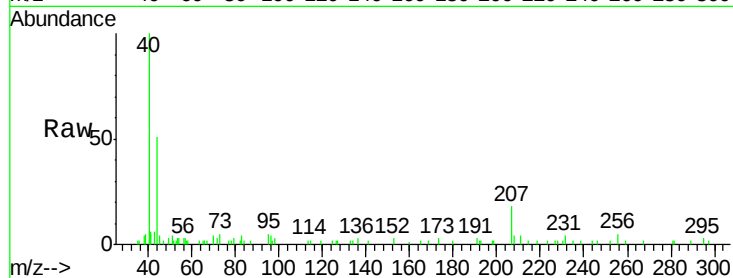
Tot Ion: 83 Resp: 399

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: 676.512 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062608.D

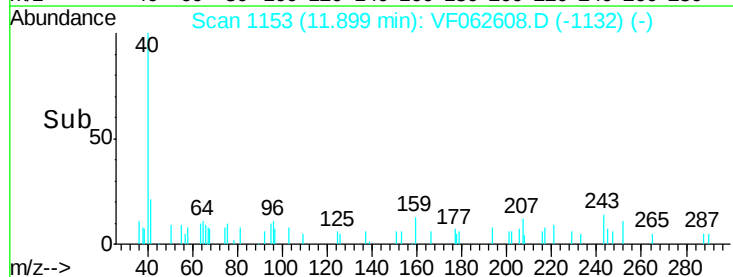
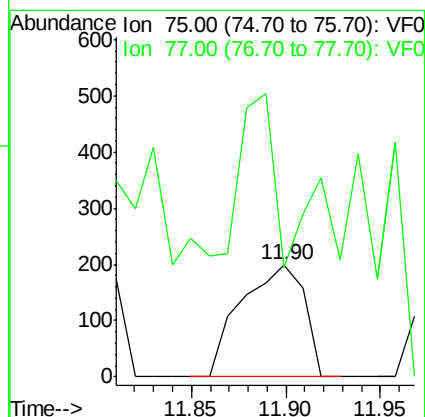
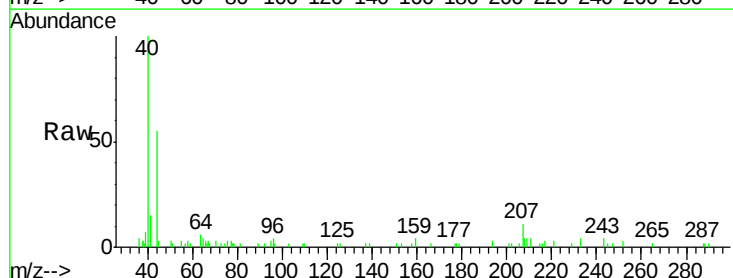
Acq: 15 May 2019 14:56

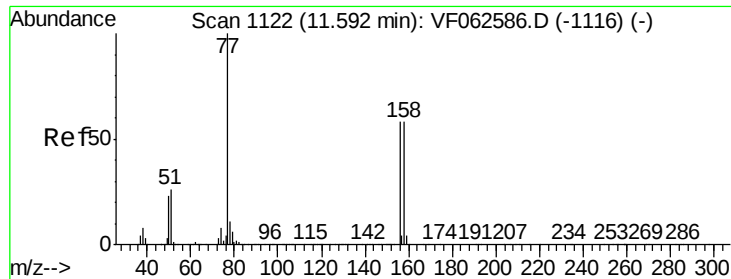
Tgt Ion: 75 Resp: 460

Ion Ratio Lower Upper

75 100

77 98.0 20.4 61.3#

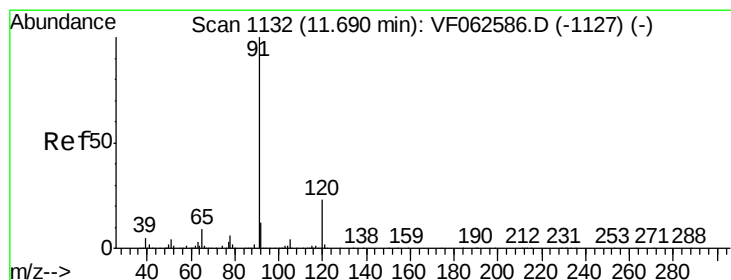
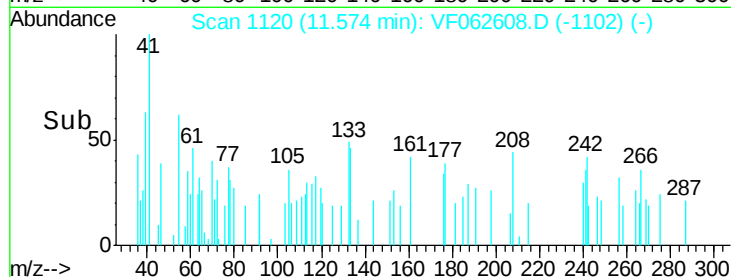
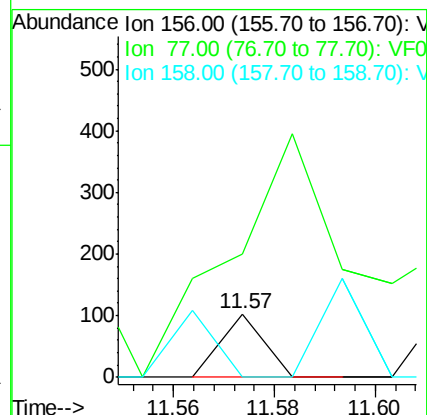
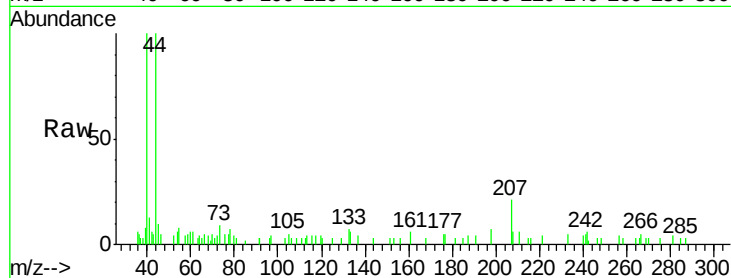




#77
Bromobenzene
Concen: 52.138 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

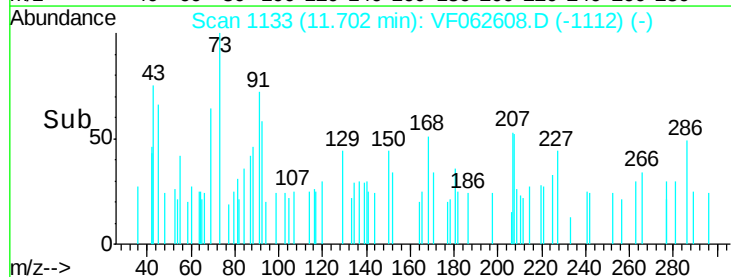
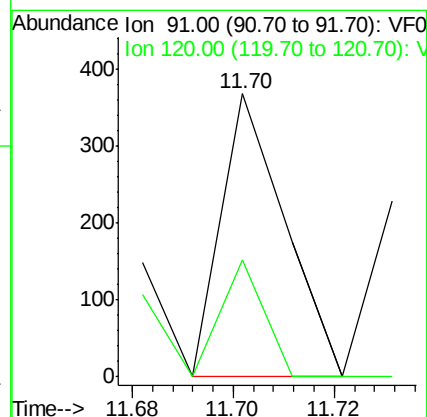
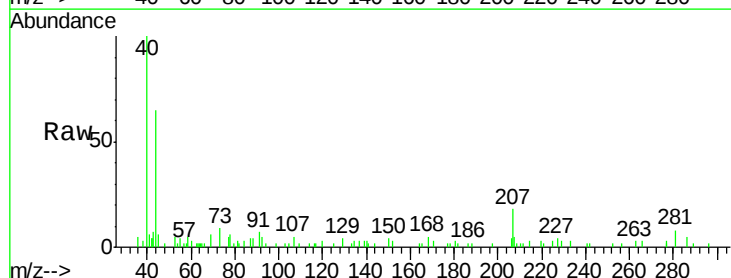
Instrument :
MSVOA_F
ClientSampled :
RT-1873

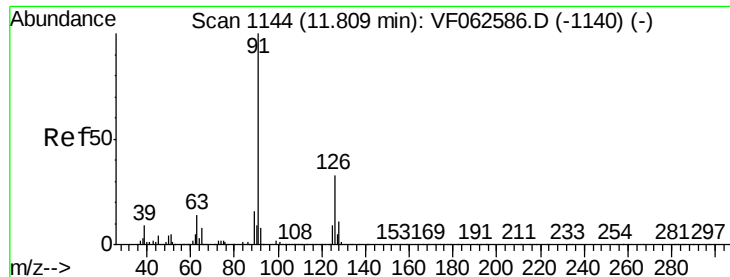
Tot Ion:156 Resp: 61
Ion Ratio Lower Upper
156 100
77 194.2 86.5 259.5
158 0.0 50.3 150.9#



#78
n-propylbenzene
Concen: 52.128 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion: 91 Resp: 321
Ion Ratio Lower Upper
91 100
120 41.6 11.7 35.1#





#79

2-Chlorotoluene

Concen: 19.420 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

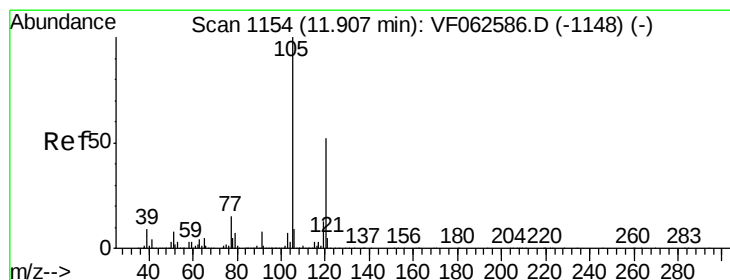
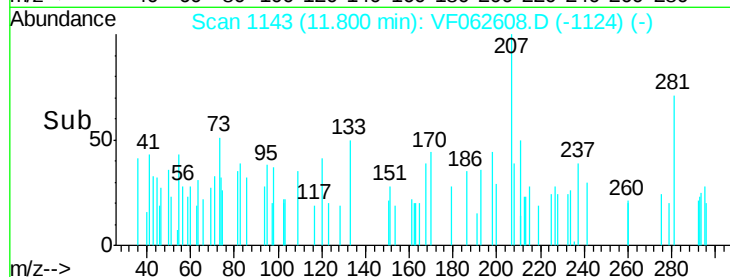
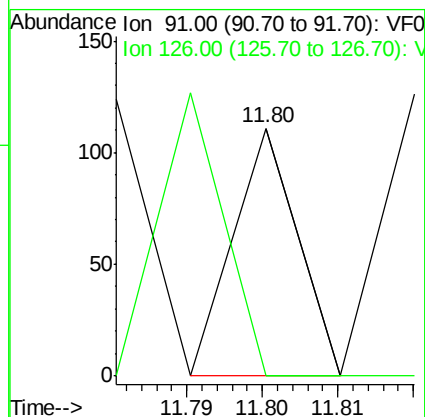
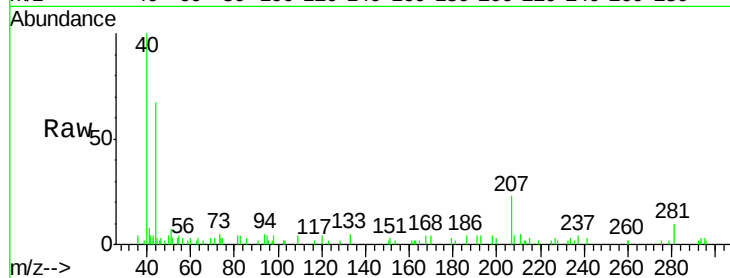
RT-1873

Tot Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 48.857 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062608.D

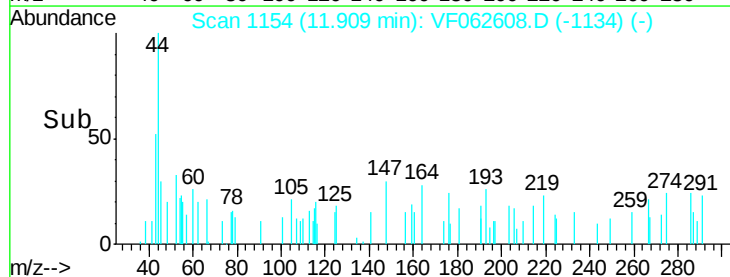
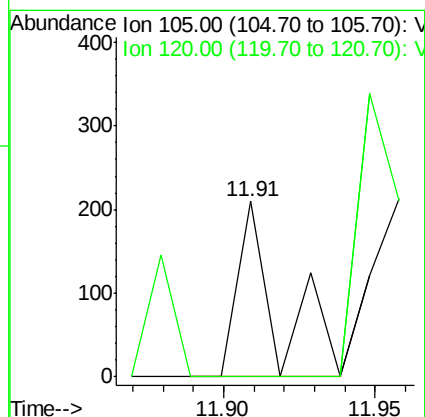
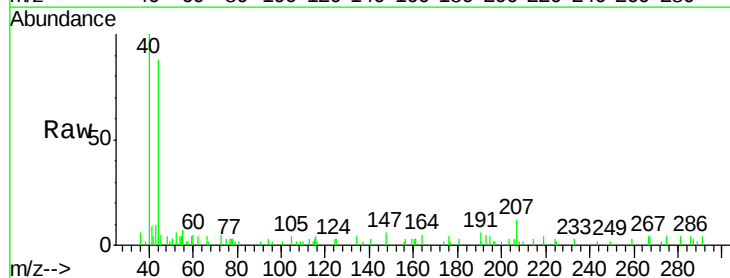
Acq: 15 May 2019 14:56

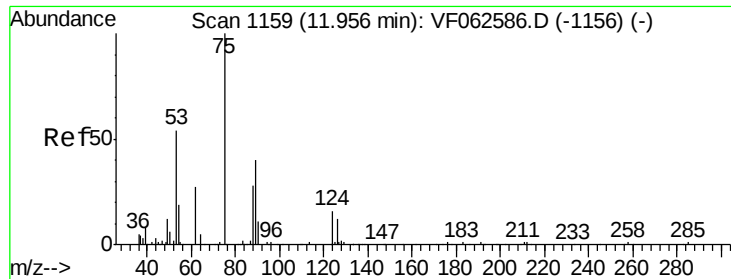
Tgt Ion: 105 Resp: 198

Ion Ratio Lower Upper

105 100

120 0.0 25.9 77.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 1797.679 ug/l

RT: 12.01 min Scan# 1164

Delta R.T. 0.05 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

RT-1873

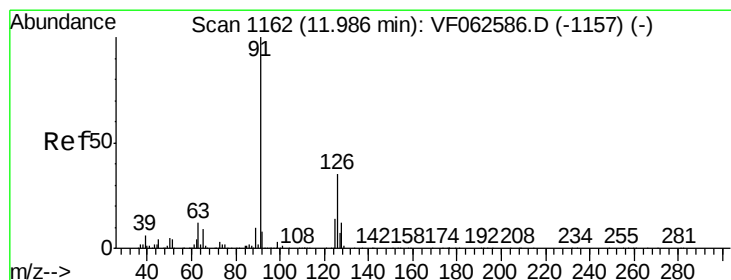
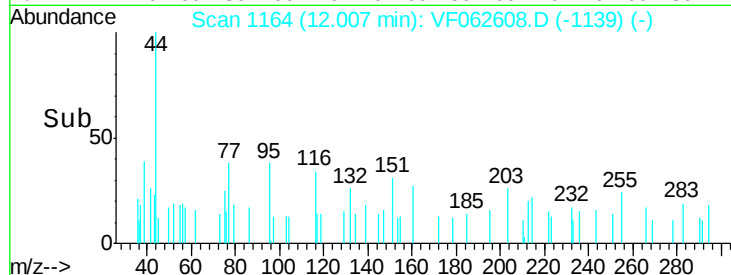
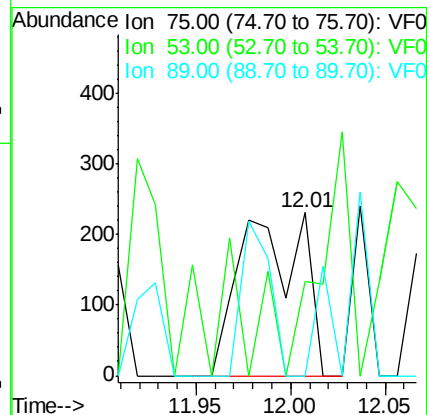
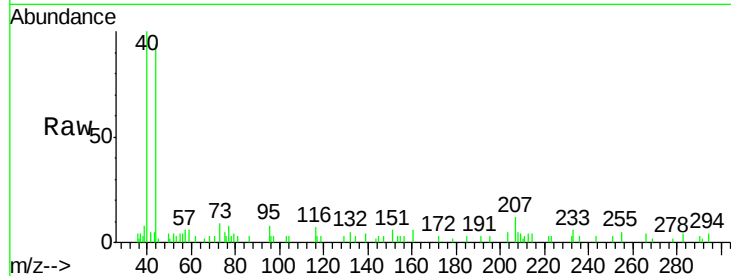
Tot Ion: 75 Resp: 521

Ion Ratio Lower Upper

75 100

53 58.0 46.6 70.0

89 0.0 33.8 50.8#



#82

4-Chlorotoluene

Concen: 114.956 ug/l

RT: 12.02 min Scan# 1165

Delta R.T. 0.03 min

Lab File: VF062608.D

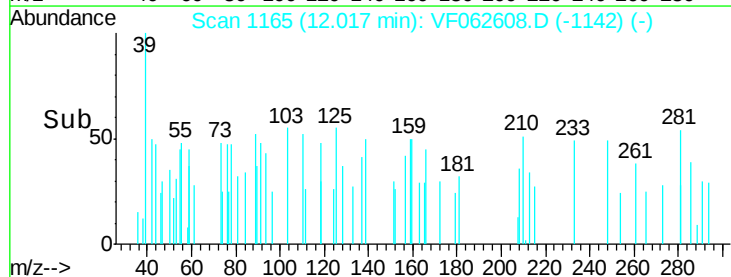
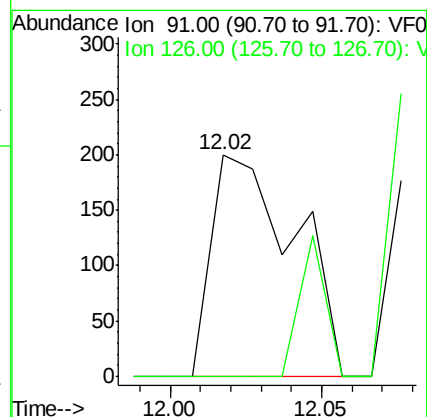
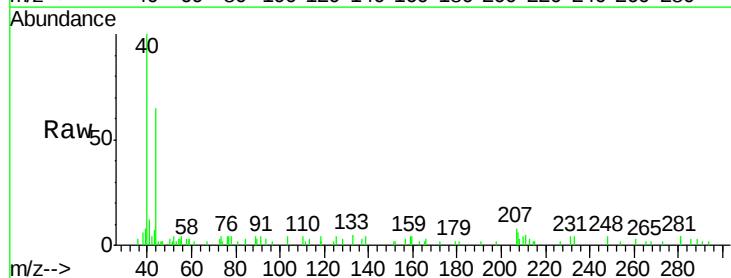
Acq: 15 May 2019 14:56

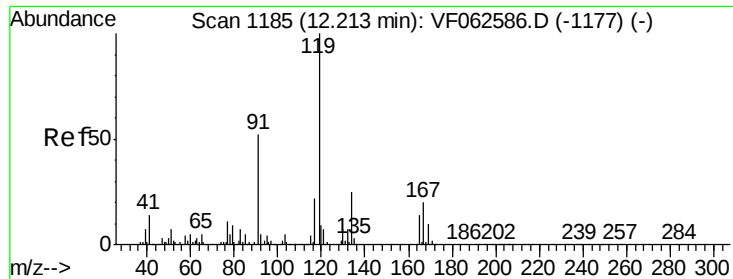
Tgt Ion: 91 Resp: 382

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.5#





#83

tert-Butylbenzene

Concen: 69.825 ug/l

RT: 12.24 min Scan# 1188

Delta R.T. 0.03 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

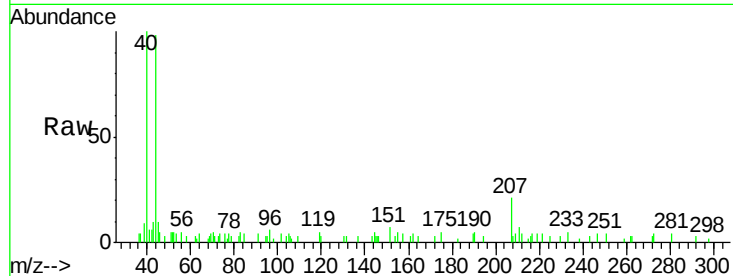
MSVOA_F

ClientSampleId :

RT-1873

Tot Ion:119 Resp: 296

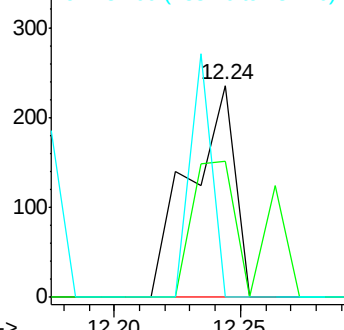
Ion	Ratio	Lower	Upper
119	100		
91	64.4	26.0	78.0
134	0.0	12.6	37.8#



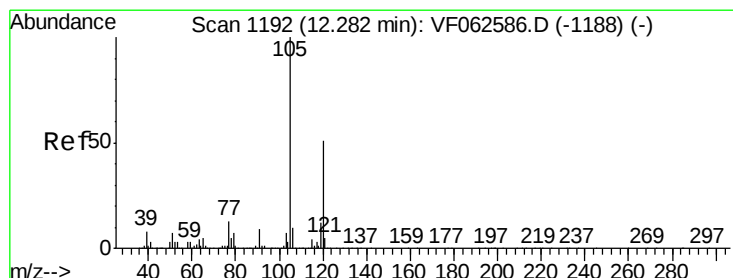
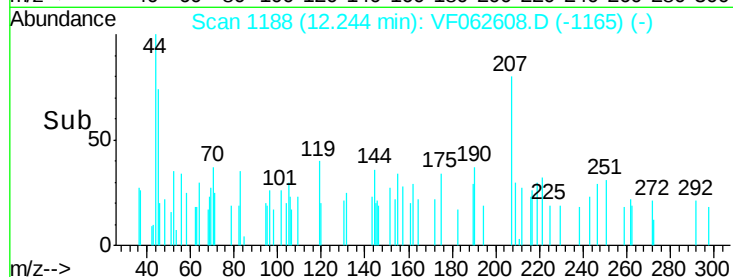
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 80.383 ug/l

RT: 12.30 min Scan# 1194

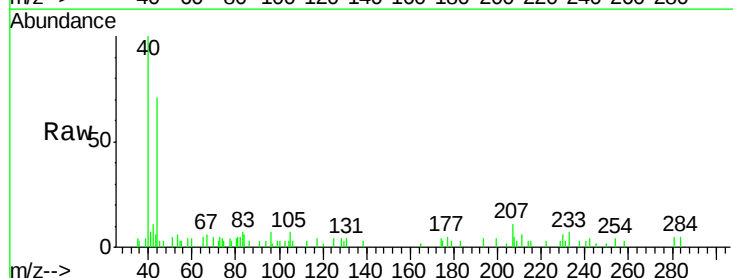
Delta R.T. 0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

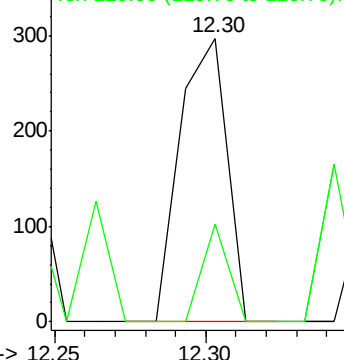
Tgt Ion:105 Resp: 320

Ion	Ratio	Lower	Upper
105	100		
120	34.3	25.4	76.0

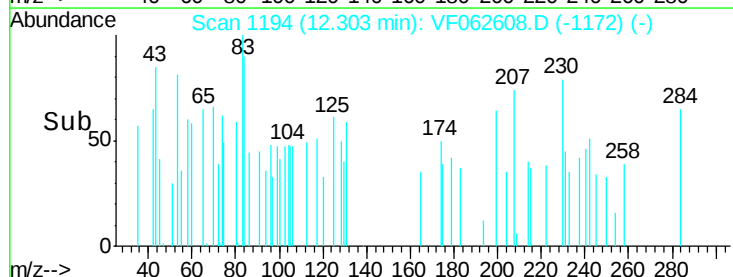


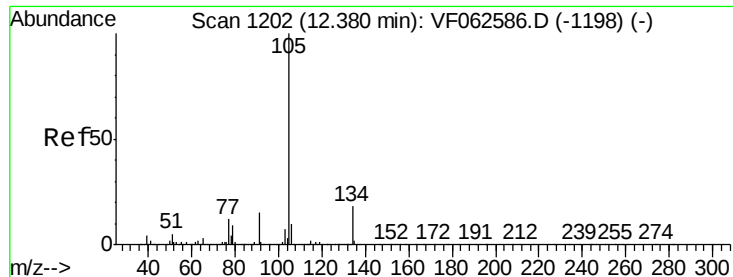
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

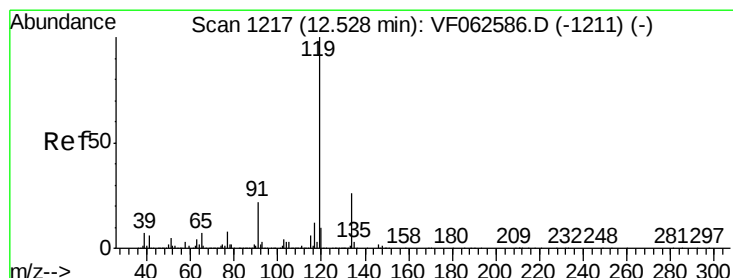
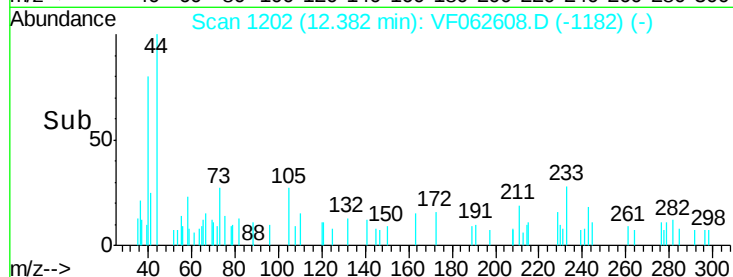
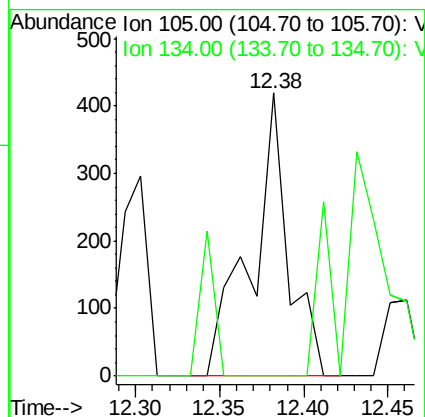
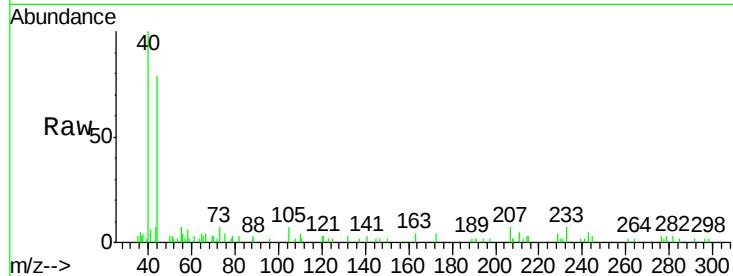




#85
 sec-Butylbenzene
 Concen: 110.332 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF062608.D
 Acq: 15 May 2019 14:56

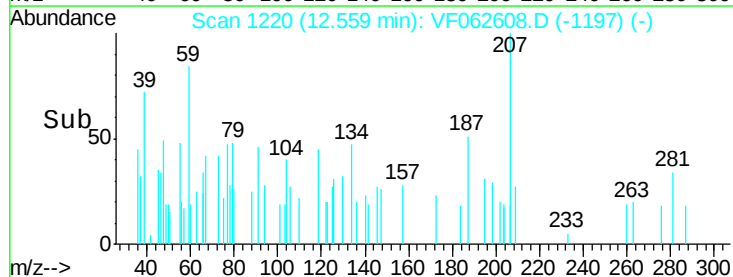
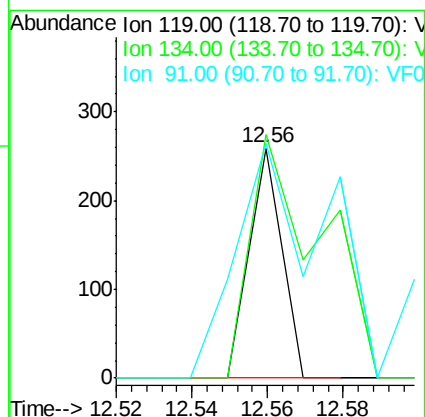
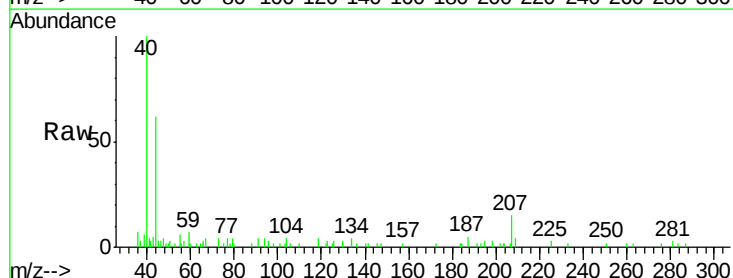
Instrument :
 MSVOA_F
 ClientSampleID :
 RT-1873

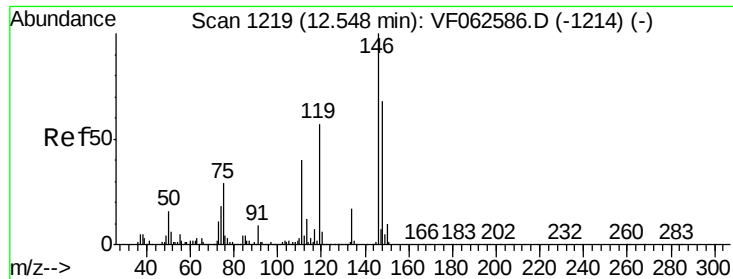
Tot Ion:105 Resp: 635
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 27.7#



#86
 p-Isopropyltoluene
 Concen: 32.295 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.03 min
 Lab File: VF062608.D
 Acq: 15 May 2019 14:56

Tgt Ion:119 Resp: 153
 Ion Ratio Lower Upper
 119 100
 134 105.8 13.0 39.0#
 91 102.3 10.9 32.9#

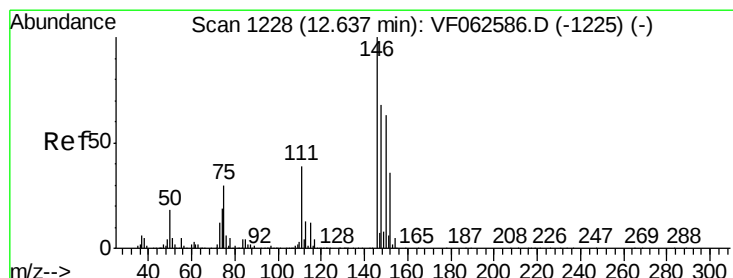
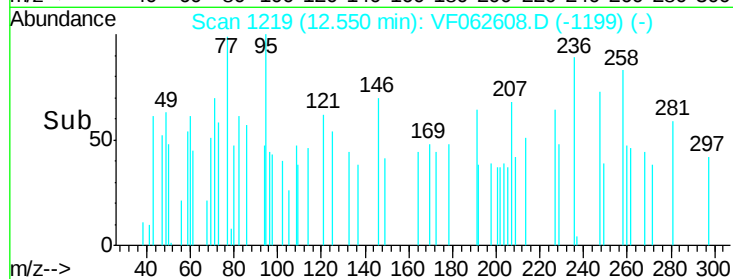
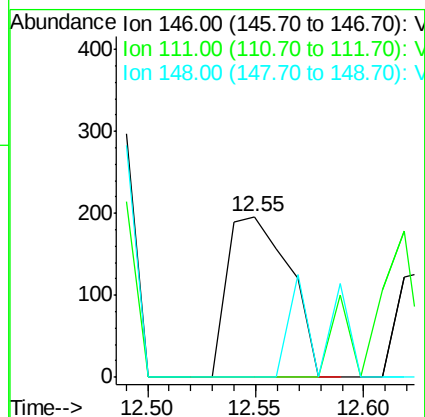
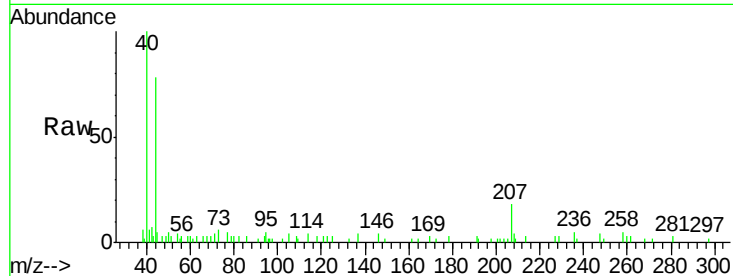




#87
 1,3-Dichlorobenzene
 Concen: 171.304 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062608.D
 Acq: 15 May 2019 14:56

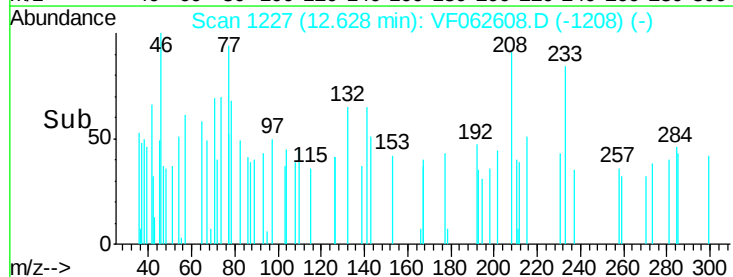
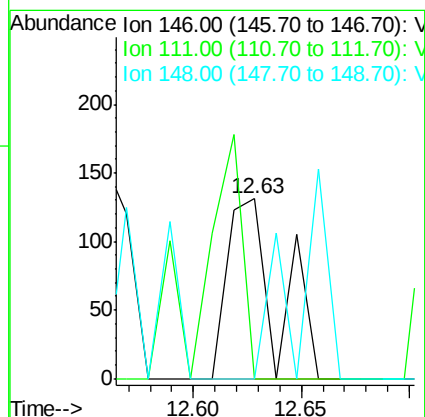
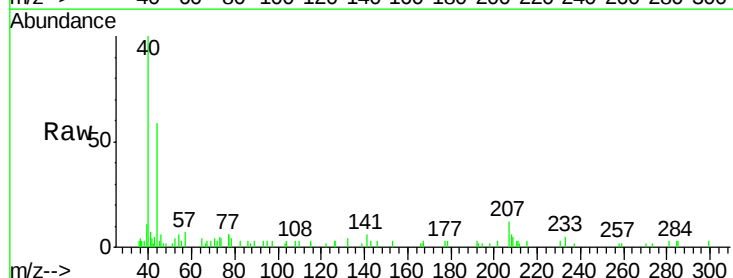
Instrument :
 MSVOA_F
 ClientSampled :
 RT-1873

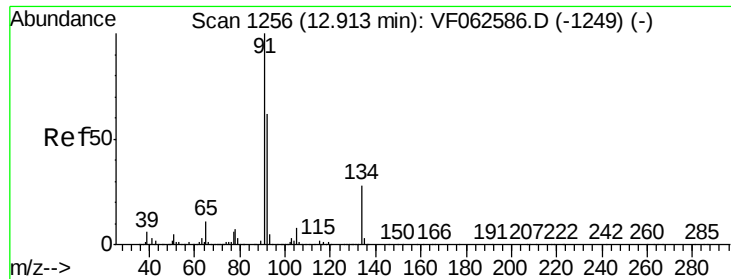
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.1	60.2#
148	0.0	34.0	101.8#



#88
 1,4-Dichlorobenzene
 Concen: 98.760 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062608.D
 Acq: 15 May 2019 14:56

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





#89

n-Butylbenzene

Concen: 37.740 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

RT-1873

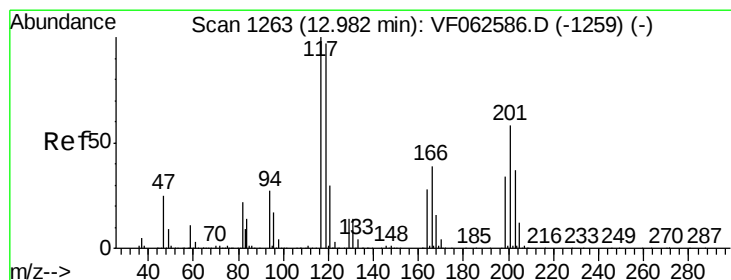
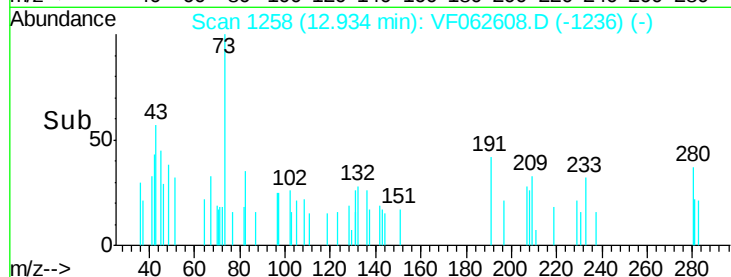
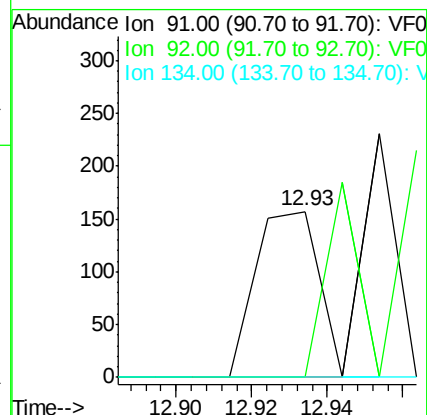
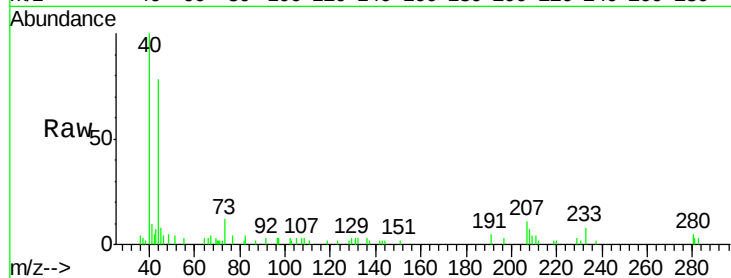
Tot Ion: 91 Resp: 182

Ion Ratio Lower Upper

91 100

92 0.0 30.9 92.8#

134 0.0 13.9 41.6#



#90

Hexachloroethane

Concen: 128.548 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062608.D

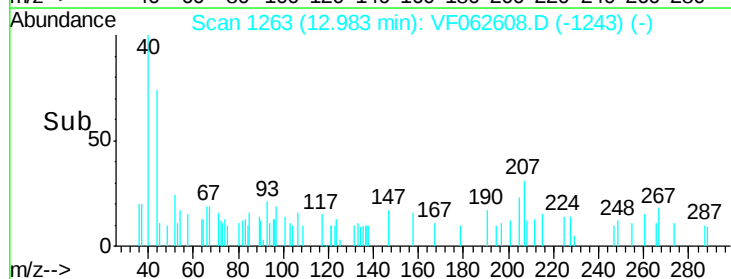
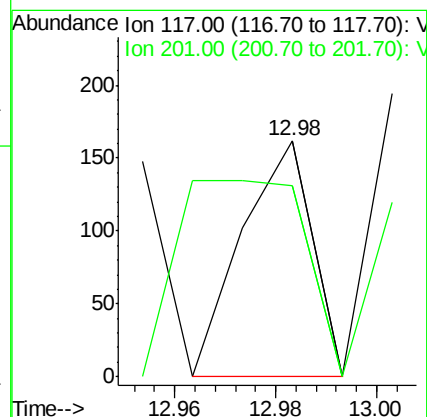
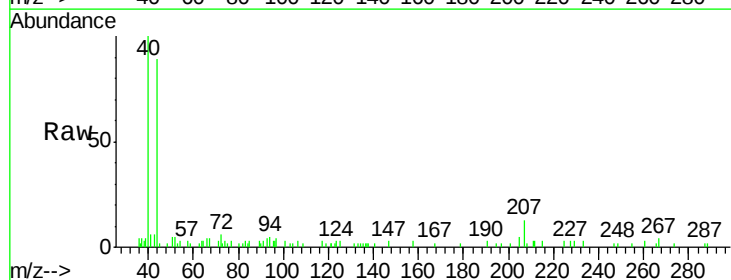
Acq: 15 May 2019 14:56

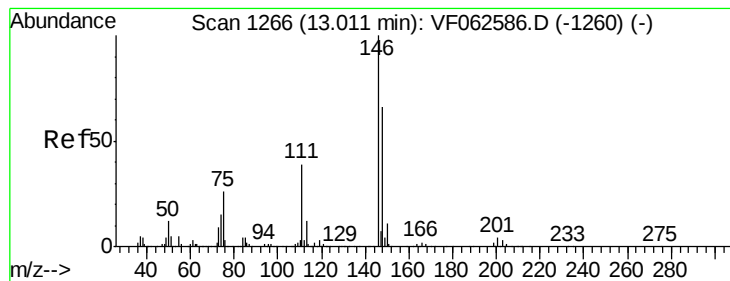
Tgt Ion: 117 Resp: 156

Ion Ratio Lower Upper

117 100

201 80.9 29.7 89.1





#91

1,2-Dichlorobenzene

Concen: 35.959 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

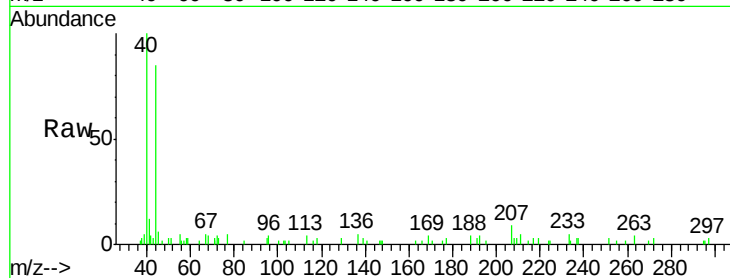
Instrument :

MSVOA_F

ClientSampleId :

RT-1873

Tot Ion:	146	Resp:	73
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	94.4	33.1	99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

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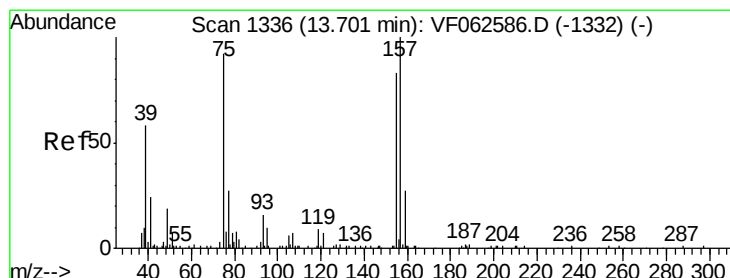
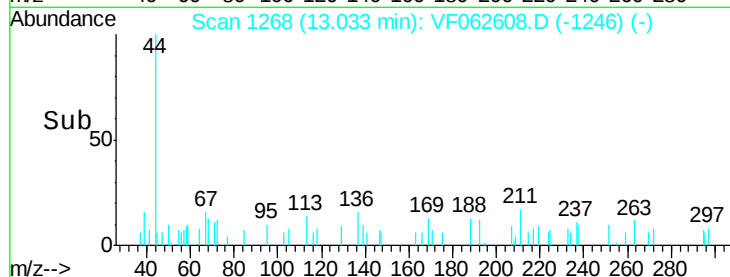
13.03

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13.03



#92

1,2-Dibromo-3-Chloropropane

Concen: 944.102 ug/l

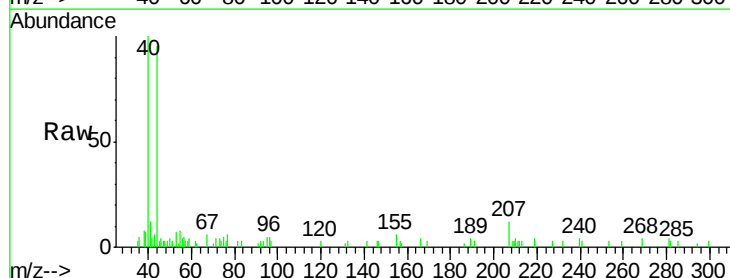
RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062608.D

Acq: 15 May 2019 14:56

Tgt Ion:	75	Resp:	123
Ion	Ratio	Lower	Upper
75	100		
155	129.8	44.8	134.4
157	51.4	54.1	162.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.69

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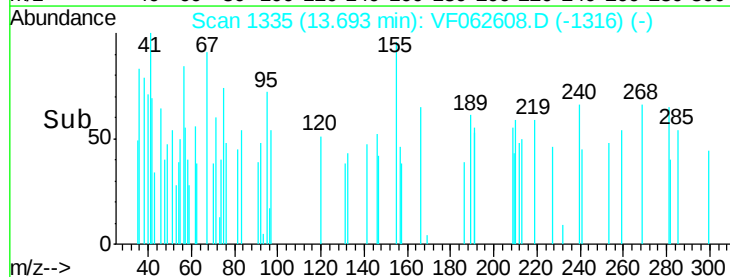
13.69

13.69

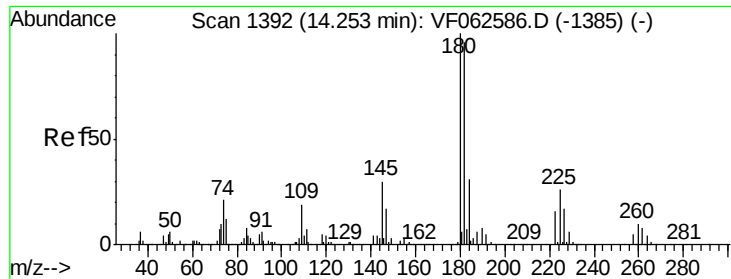
13.69

13.69

13.69



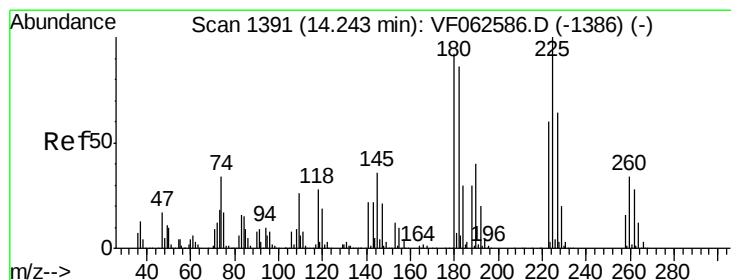
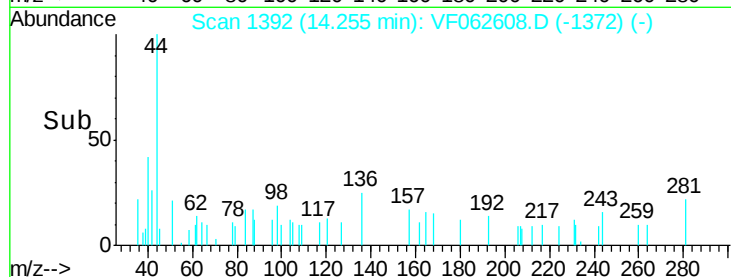
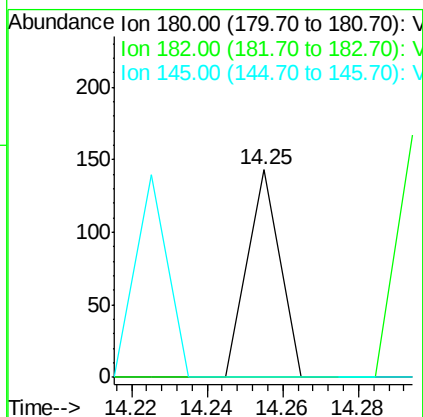
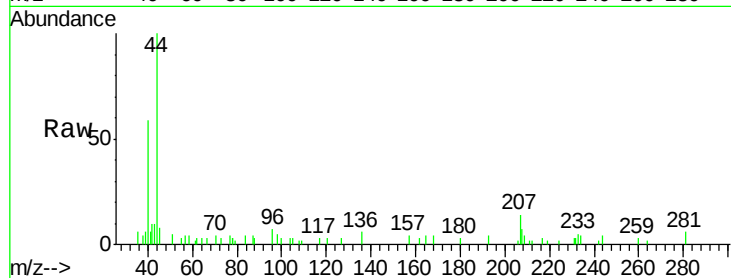
Time-->



#93
1,2,4-Trichlorobenzene
Concen: 60.212 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

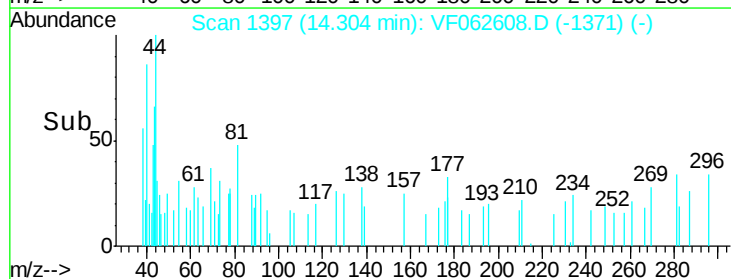
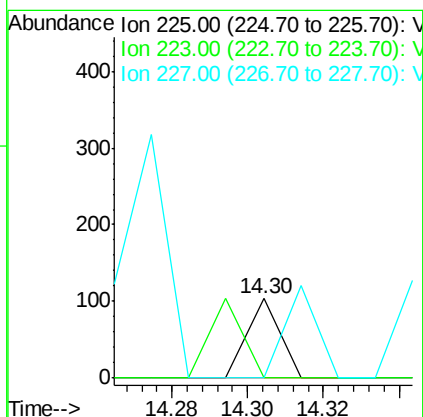
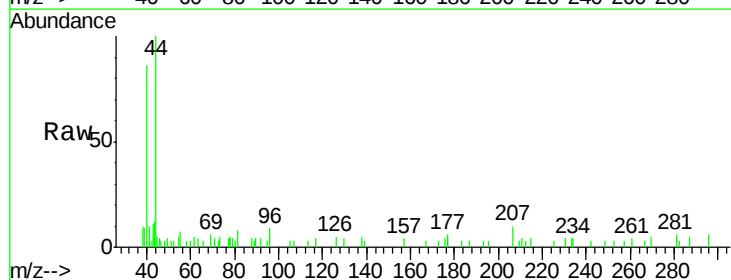
Instrument :
MSVOA_F
ClientSampleId :
RT-1873

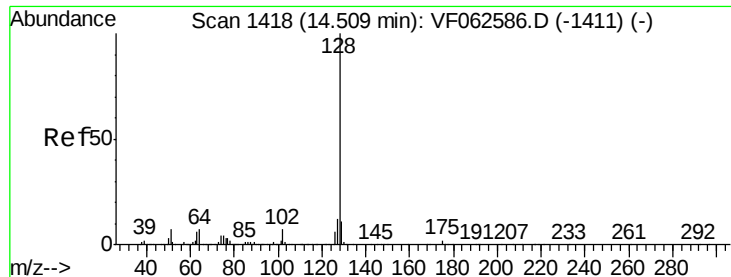
Tot Ion:180 Resp: 85
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.8#
145 0.0 14.8 44.4#



#94
Hexachlorobutadiene
Concen: 59.484 ug/l
RT: 14.30 min Scan# 1397
Delta R.T. 0.06 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion:225 Resp: 61
Ion Ratio Lower Upper
225 100
223 0.0 29.9 89.7#
227 0.0 31.9 95.9#

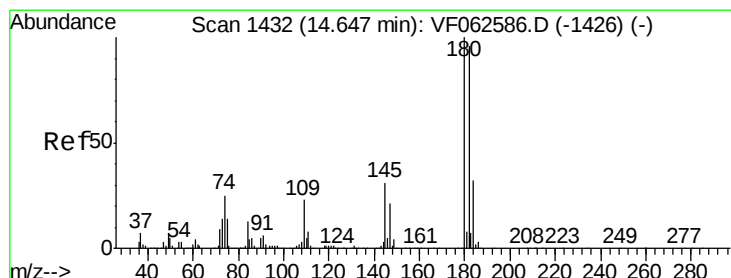
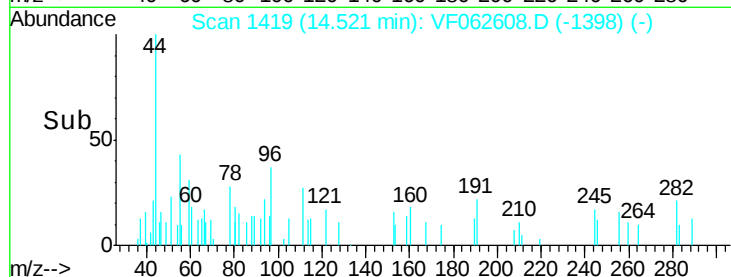
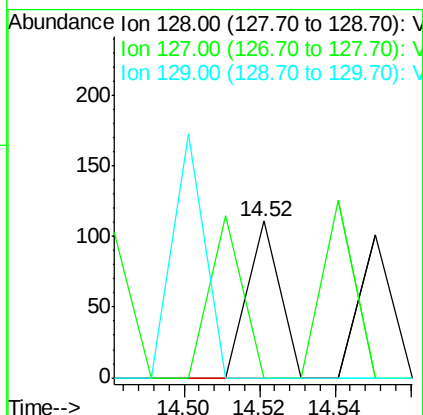
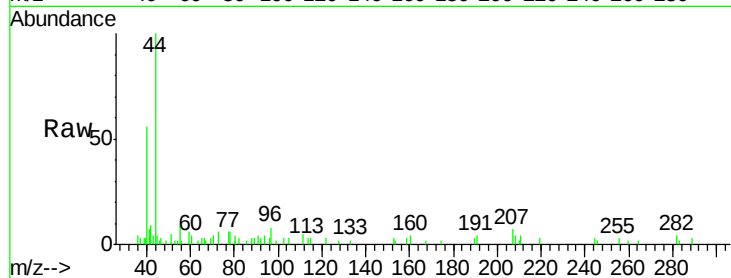




#95
Naphthalene
Concen: 28.724 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
RT-1873

Tot Ion:128 Resp: 66
Ion Ratio Lower Upper
128 100
127 100.0 9.5 14.3#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 70.249 ug/l
RT: 14.61 min Scan# 1428
Delta R.T. -0.04 min
Lab File: VF062608.D
Acq: 15 May 2019 14:56

Tgt Ion:180 Resp: 92
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.3#
145 0.0 15.6 46.7#

