

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062202.D
 Acq On : 18 Apr 2019 13:49
 Operator : FY/SY
 Sample : k2423-19
 Misc : 4.11g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP5-B

Quant Time: Apr 19 01:15:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	4798	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	5877	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	1964	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	64	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	1431	32.53	ug/l	0.02
Spiked Amount			Recovery	=	65.06%	
35) Dibromofluoromethane	4.30	113	1872	36.41	ug/l	0.00
Spiked Amount			Recovery	=	72.82%	
50) Toluene-d8	7.71	98	3969	30.50	ug/l	0.01
Spiked Amount			Recovery	=	61.00%	
62) 4-Bromofluorobenzene	11.52	95	1136	22.69	ug/l	0.04
Spiked Amount			Recovery	=	45.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	192	2.633	ug/l #	42
3) Chloromethane	1.14	50	414	5.493	ug/l #	70
4) Vinyl Chloride	1.21	62	80	1.236	ug/l #	42
5) Bromomethane	1.41	94	238	6.327	ug/l #	4
6) Chloroethane	1.45	64	69	2.549	ug/l #	77
8) Diethyl Ether	1.53	74	261	15.245	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.87	101	60	1.068	ug/l #	1
11) Tert butyl alcohol	2.66	59	201	65.726	ug/l #	1
12) 1,1-Dichloroethene	1.88	96	603	11.282	ug/l #	1
13) Acrolein	2.11	56	830	569.077	ug/l #	46
14) Allyl chloride	2.17	41	1116	18.194	ug/l #	24
15) Acrylonitrile	3.09	53	1020	109.508	ug/l #	22
16) Acetone	2.33	43	775	73.697	ug/l #	55
18) Methyl Acetate	2.46	43	1533	70.008	ug/l #	59
19) Methyl tert-butyl Ether	2.55	73	234	2.480	ug/l #	84
20) Methylene Chloride	2.35	84	112	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.42	96	316	5.979	ug/l #	13
22) Diisopropyl ether	2.94	45	167	1.064	ug/l #	1
23) Vinyl Acetate	3.33	43	1308	17.497	ug/l #	79
24) 1,1-Dichloroethane	3.03	63	95	1.107	ug/l #	88
25) 2-Butanone	4.50	43	1592	75.712	ug/l #	56
26) 2,2-Dichloropropane	3.85	77	295	6.808	ug/l	97
27) cis-1,2-Dichloroethene	3.84	96	237	3.463	ug/l	26
28) Bromochloromethane	4.09	49	64	1.557	ug/l #	83
29) Tetrahydrofuran	4.26	42	154	16.180	ug/l #	39
30) Chloroform	4.17	83	658	6.238	ug/l	90
31) Cyclohexane	3.89	56	138	1.342	ug/l #	17
32) 1,1,1-Trichloroethane	4.29	97	231	2.992	ug/l #	56
36) 1,1-Dichloropropene	4.51	75	101	1.433	ug/l #	1
37) Ethyl Acetate	4.32	43	996	29.955	ug/l #	86
38) Carbon Tetrachloride	4.16	117	127	2.036	ug/l #	13
39) Methylcyclohexane	5.66	83	284	3.366	ug/l #	28
40) Benzene	4.83	78	416	2.251	ug/l #	3
41) Methacrylonitrile	4.92	41	252	13.139	ug/l #	23

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.25	62	70	1.433	ug/l #	74
43) Isopropyl Acetate	7.11	43	1322	37.803	ug/l #	58
44) Trichloroethene	5.84	130	87	1.742	ug/l	35
45) 1,2-Dichloropropane	6.42	63	209	5.134	ug/l #	42
46) Dibromomethane	6.24	93	199	7.347	ug/l #	6
47) Bromodichloromethane	6.54	83	241	3.943	ug/l #	95
48) Methyl methacrylate	6.85	41	1612	70.142	ug/l #	30
49) 1,4-Dioxane	6.91	88	59	223.851	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	589	22.645	ug/l #	72
52) Toluene	7.78	92	222	2.279	ug/l #	1
53) t-1,3-Dichloropropene	8.44	75	111	2.418	ug/l #	30
54) cis-1,3-Dichloropropene	7.41	75	66	1.063	ug/l #	29
55) 1,1,2-Trichloroethane	8.64	97	174	6.376	ug/l #	46
56) Ethyl methacrylate	8.75	69	764	24.622	ug/l #	1
57) 1,3-Dichloropropane	9.01	76	96	2.178	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.52	63	120	13.320	ug/l #	48
59) 2-Hexanone	9.77	43	619	38.279	ug/l	75
60) Dibromochloromethane	9.09	129	59	1.454	ug/l	61
61) 1,2-Dibromoethane	9.20	107	72	2.342	ug/l #	9
64) Tetrachloroethene	8.44	164	71	4.005	ug/l #	1
65) Chlorobenzene	9.93	112	61	1.457	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	9.94	131	60	3.059	ug/l #	1
67) Ethyl Benzene	10.03	91	337	4.425	ug/l #	64
68) m/p-Xylenes	10.26	106	165	5.886	ug/l #	1
69) o-Xylene	10.66	106	75	2.410	ug/l	70
70) Styrene	10.89	104	71	1.616	ug/l #	34
71) Bromoform	10.61	173	65	6.277	ug/l #	28
73) Isopropylbenzene	11.23	105	609	110.775	ug/l #	70
74) N-amyl acetate	11.49	43	1073	858.109	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	11.73	83	733	775.281	ug/l	63
76) 1,2,3-Trichloropropane	11.86	75	75	115.299	ug/l #	64
77) Bromobenzene	11.58	156	64	54.343	ug/l #	1
78) n-propylbenzene	11.68	91	509	87.766	ug/l #	53
79) 2-Chlorotoluene	11.82	91	373	106.027	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	441	96.312	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.86	75	75	226.078	ug/l #	19
82) 4-Chlorotoluene	11.96	91	329	96.768	ug/l #	41
83) tert-Butylbenzene	12.21	119	424	89.544	ug/l #	65
84) 1,2,4-Trimethylbenzene	12.19	105	247	55.744	ug/l	67
85) sec-Butylbenzene	12.31	105	269	43.758	ug/l	87
86) p-Isopropyltoluene	12.51	119	215	41.229	ug/l #	73
87) 1,3-Dichlorobenzene	12.54	146	74	33.860	ug/l #	2
88) 1,4-Dichlorobenzene	12.57	146	69	32.733	ug/l #	23
89) n-Butylbenzene	12.90	91	486	120.658	ug/l #	28
90) Hexachloroethane	12.97	117	506	377.869	ug/l #	12
91) 1,2-Dichlorobenzene	12.86	146	76	36.015	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	13.66	75	334	1798.036	ug/l #	1
95) Naphthalene	14.50	128	252	81.627	ug/l #	62

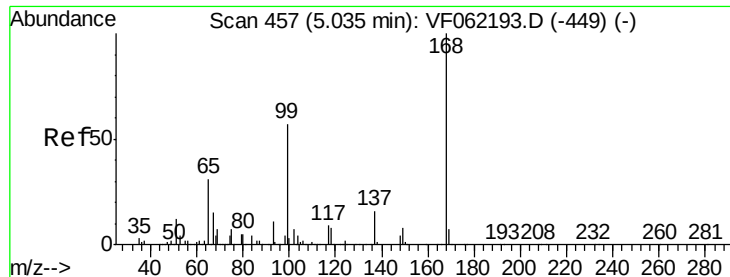
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

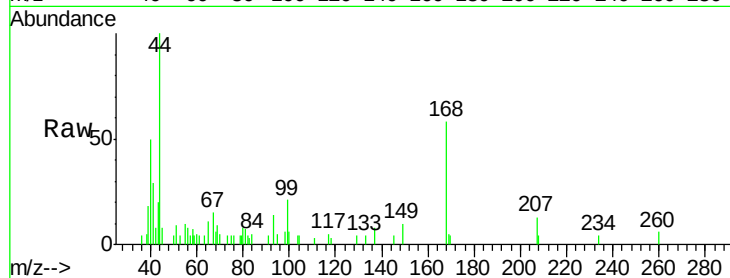
TP5-B

Tot Ion:168 Resp: 4798

Ion Ratio Lower Upper

168 100

99 37.1 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

1500

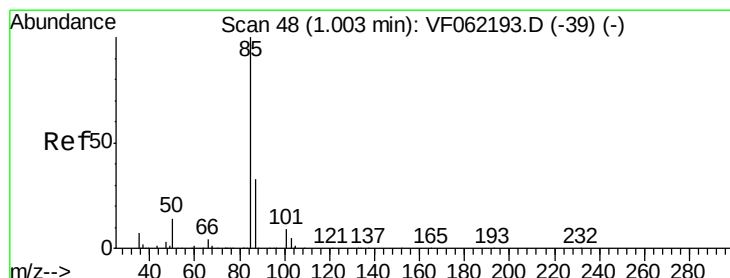
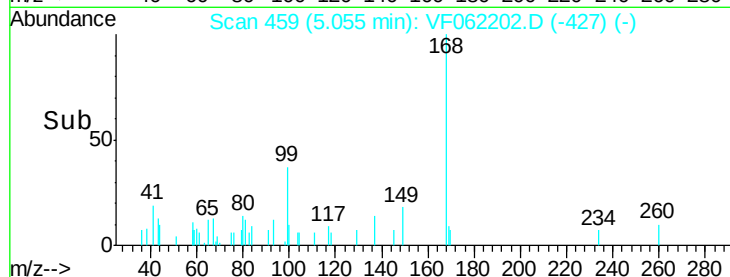
1000

500

0

4.95 5.00 5.05 5.10 5.15

Time-->



#2

Dichlorodifluoromethane

Concen: 2.633 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062202.D

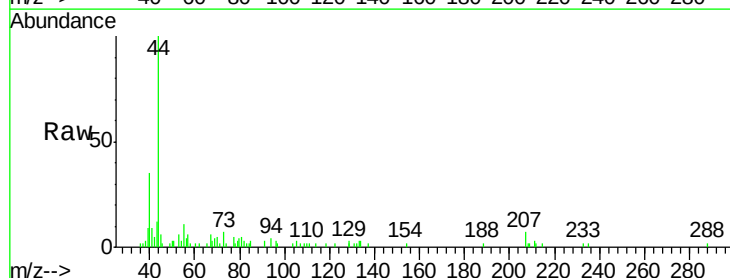
Acq: 18 Apr 2019 13:49

Tgt Ion: 85 Resp: 192

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

200

150

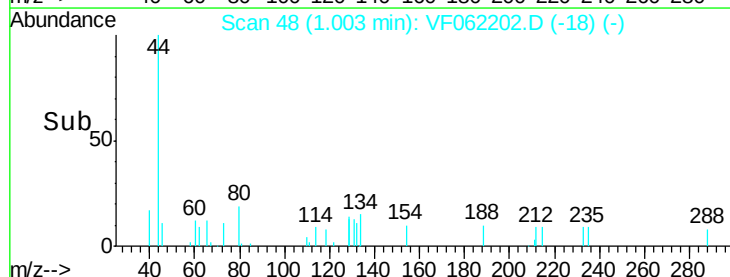
100

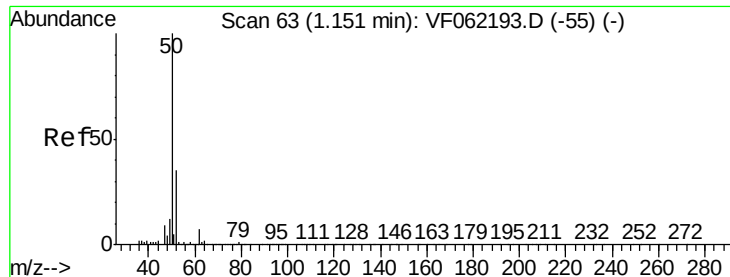
50

0

0.98 1.00 1.02

Time-->





#3

Chloromethane

Concen: 5.493 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

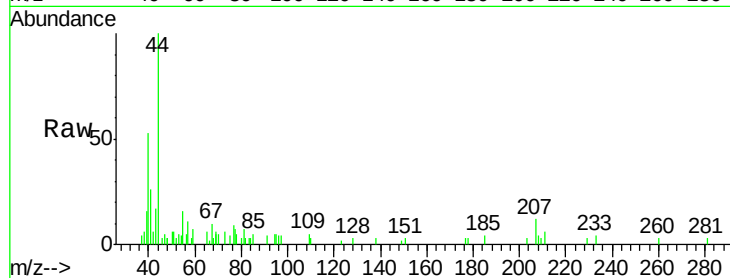
TP5-B

Tot Ion: 50 Resp: 414

Ion Ratio Lower Upper

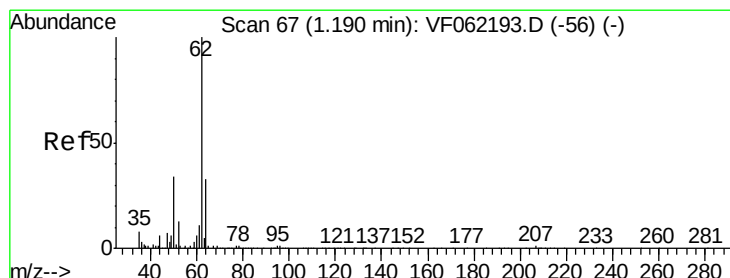
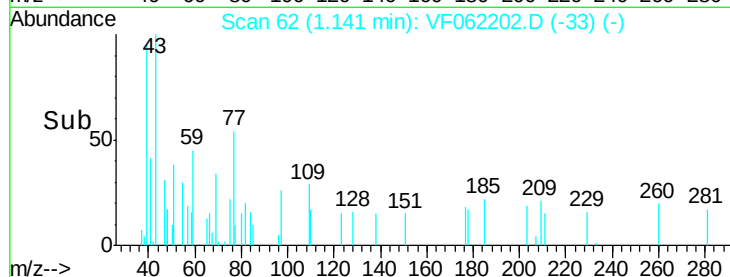
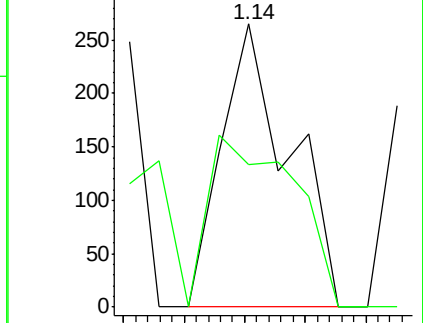
50 100

52 50.6 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 1.236 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.02 min

Lab File: VF062202.D

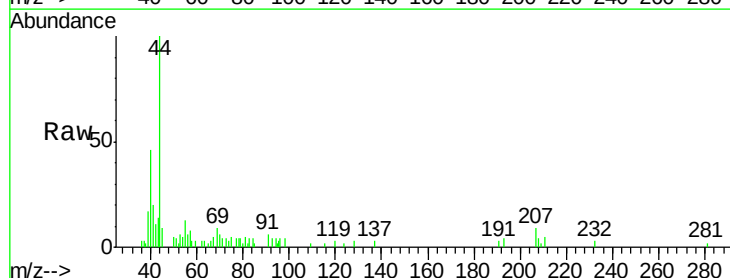
Acq: 18 Apr 2019 13:49

Tgt Ion: 62 Resp: 80

Ion Ratio Lower Upper

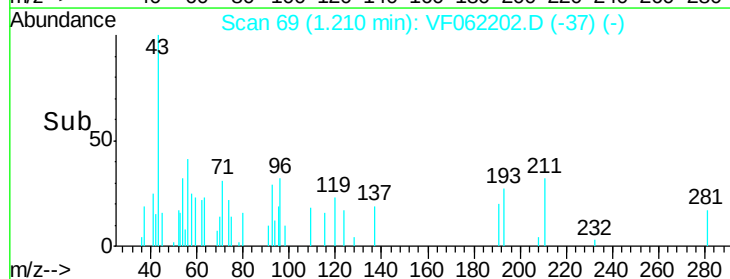
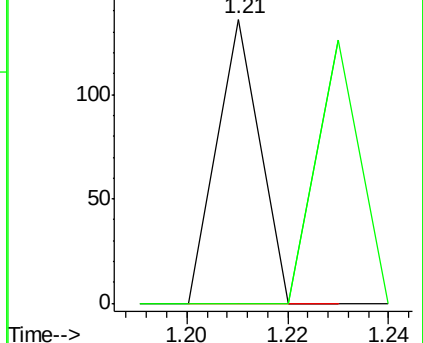
62 100

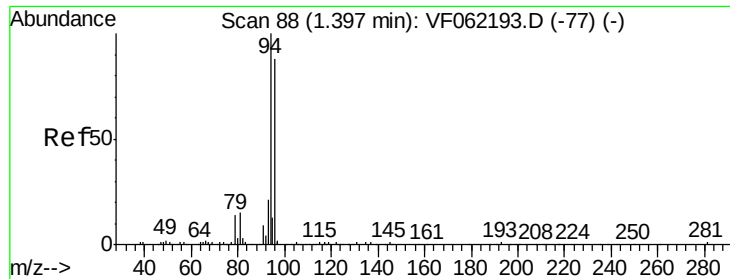
64 0.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 6.327 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

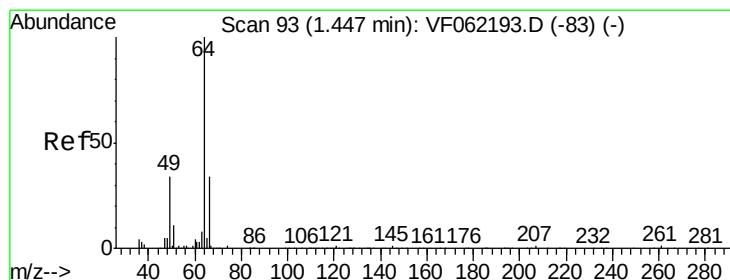
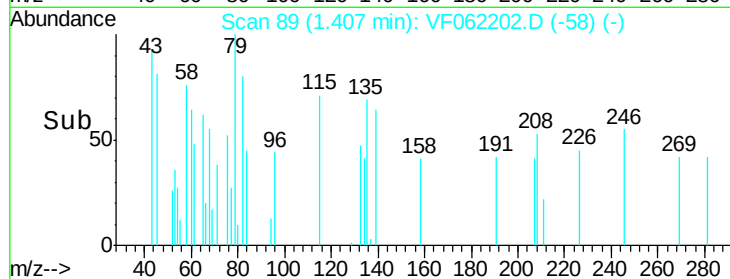
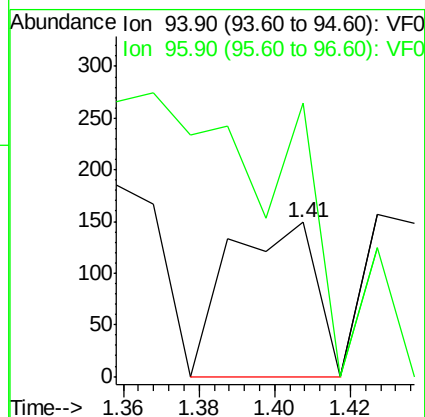
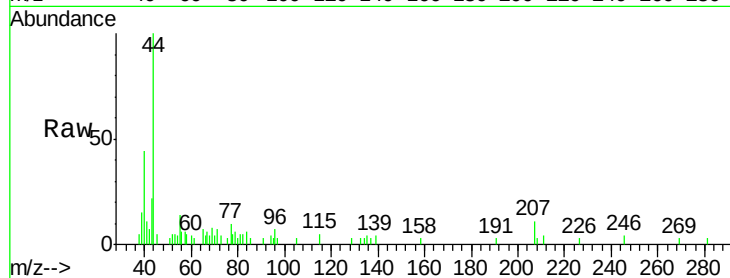
TP5-B

Tot Ion: 94 Resp: 238

Ion Ratio Lower Upper

94 100

96 177.2 70.2 105.4#



#6

Chloroethane

Concen: 2.549 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062202.D

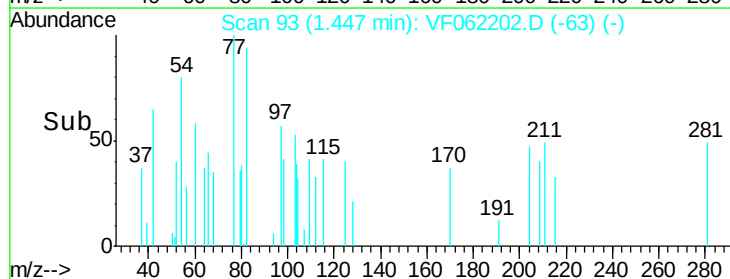
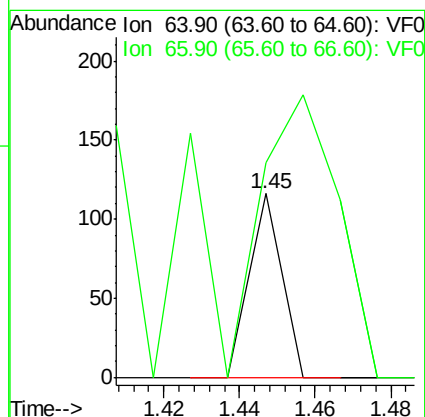
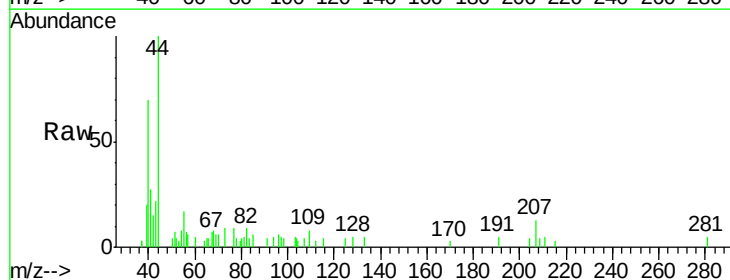
Acq: 18 Apr 2019 13:49

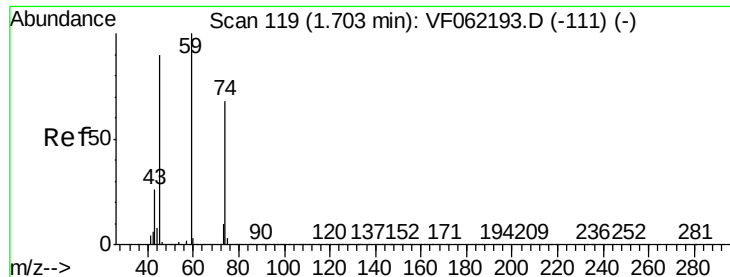
Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 20.7 27.0 40.4#





#8

Diethyl Ether

Concen: 15.245 ug/l

RT: 1.53 min Scan# 101

Delta R.T. -0.18 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

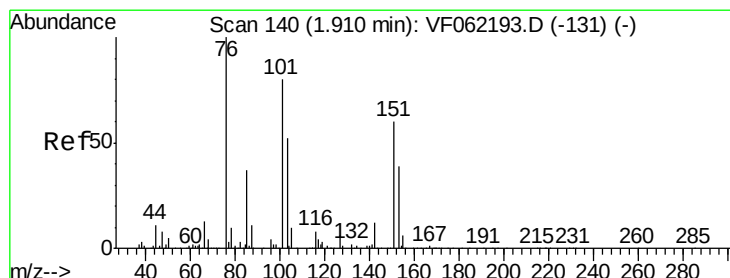
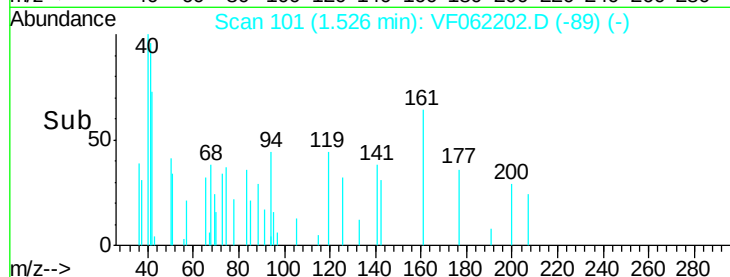
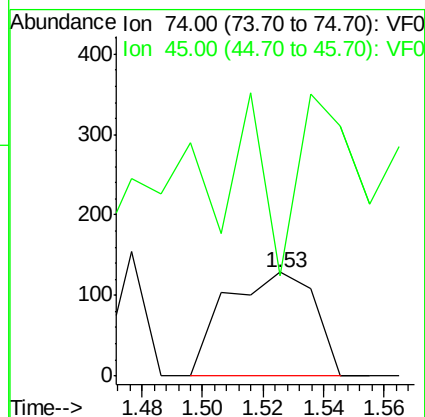
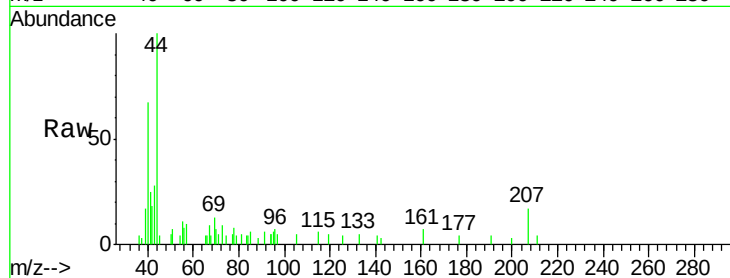
TP5-B

Tot Ion: 74 Resp: 261

Ion Ratio Lower Upper

74 100

45 113.8 70.0 210.2



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.068 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.04 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

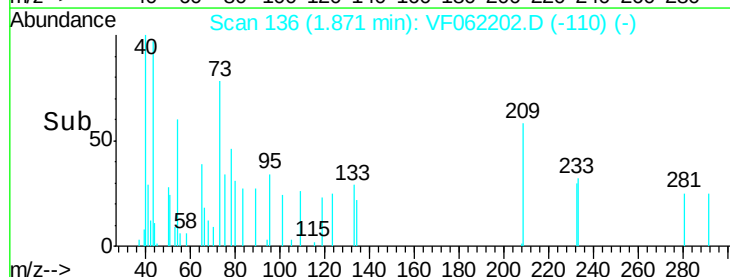
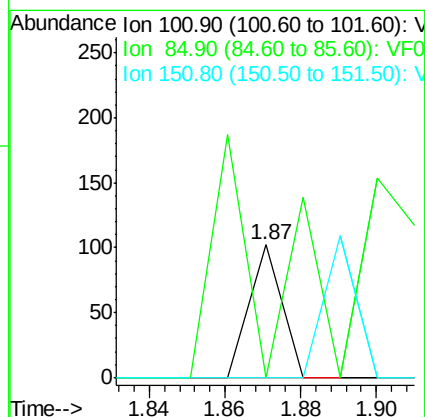
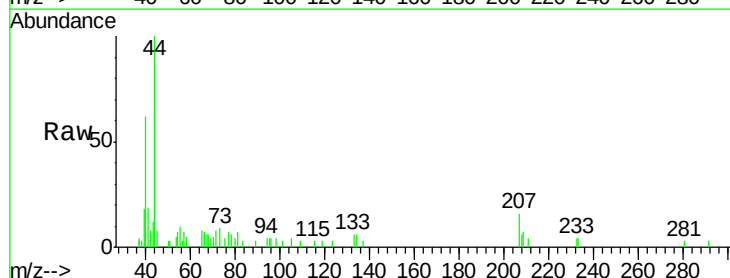
Tgt Ion: 101 Resp: 60

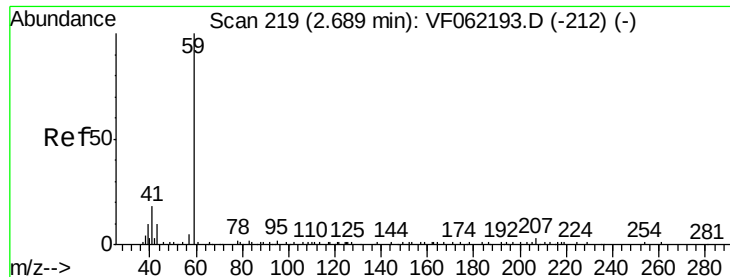
Ion Ratio Lower Upper

101 100

85 185.0 35.3 52.9#

151 0.0 57.5 86.3#

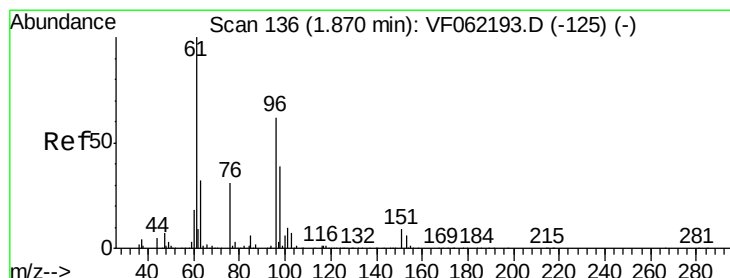
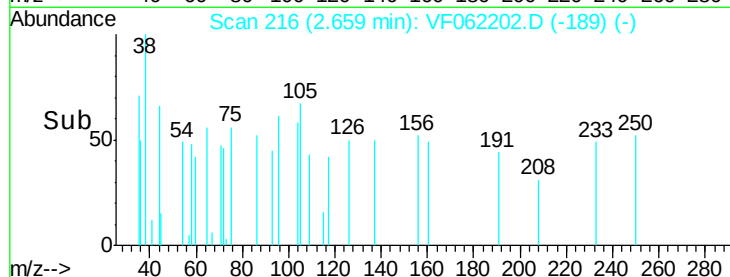
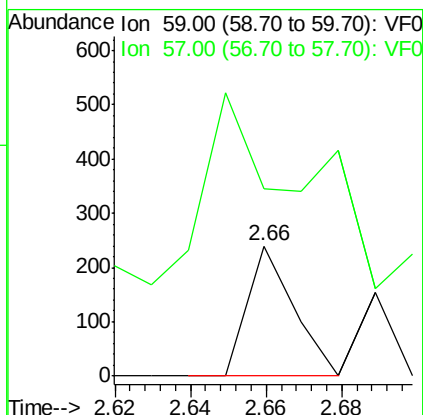
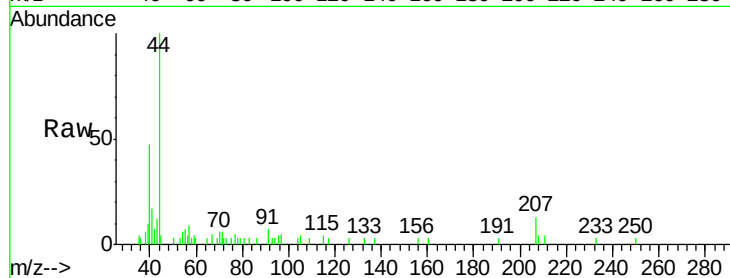




#11
Tert butyl alcohol
Concen: 65.726 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.03 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

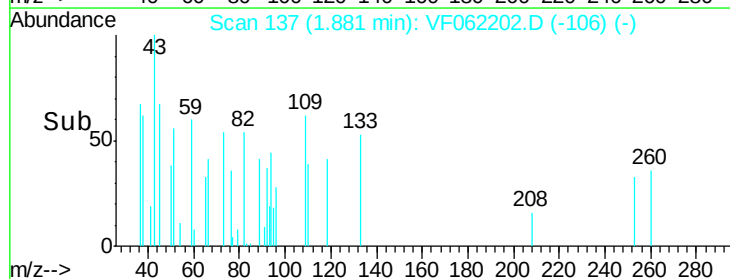
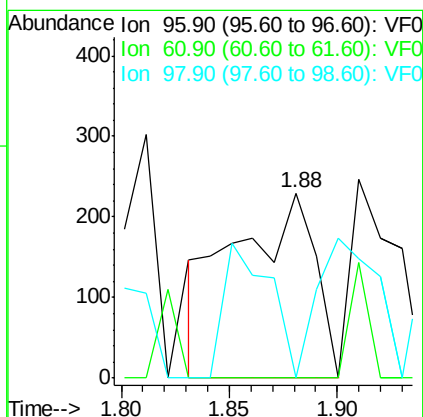
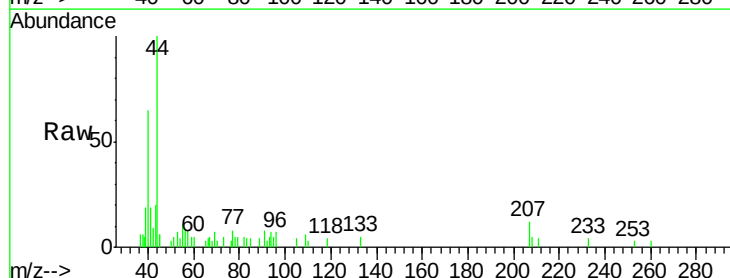
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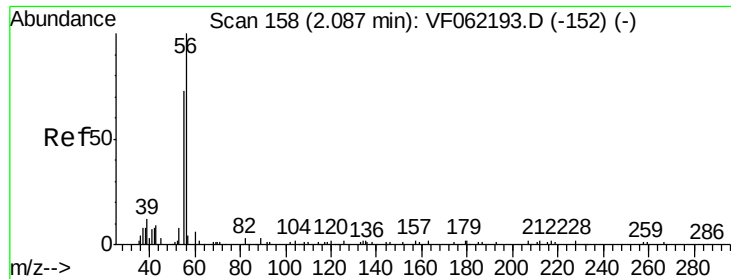
Tot Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 351.2 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 11.282 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 96 Resp: 603
Ion Ratio Lower Upper
96 100
61 0.0 129.1 193.7#
98 0.0 50.0 75.0#





#13

Acrolein

Concen: 569.077 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

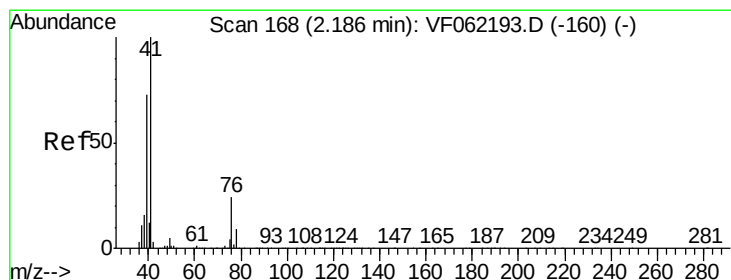
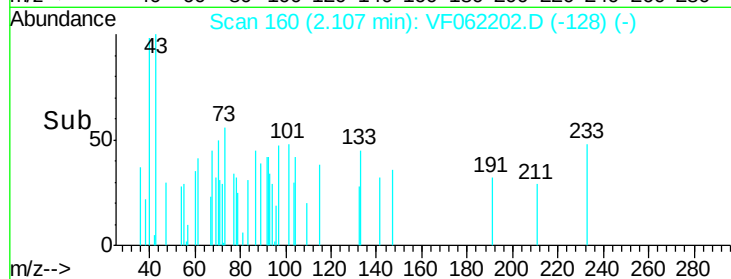
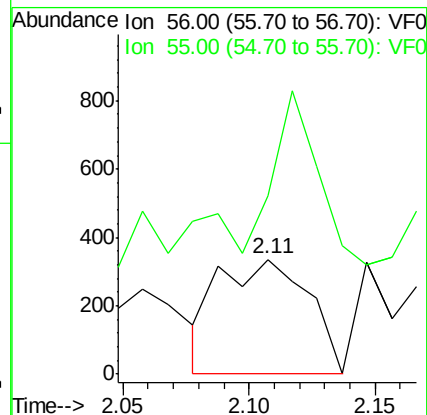
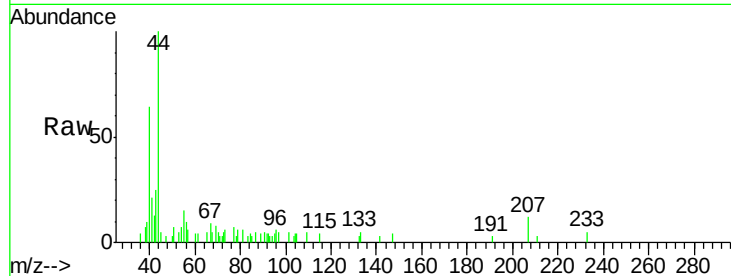
TP5-B

Tot Ion: 56 Resp: 830

Ion Ratio Lower Upper

56 100

55 116.9 57.4 86.0#



#14

Allyl chloride

Concen: 18.194 ug/l

RT: 2.17 min Scan# 166

Delta R.T. -0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

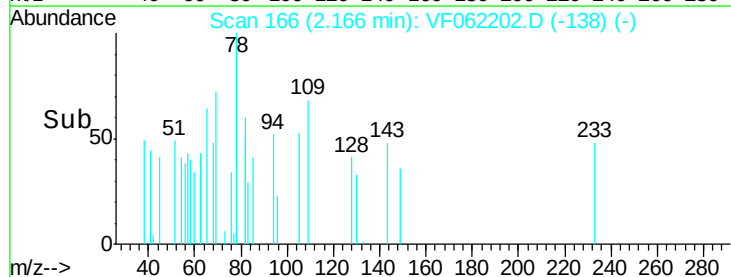
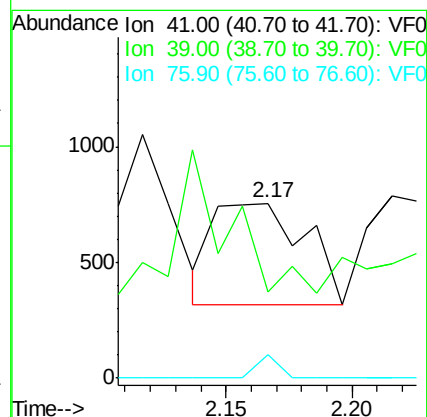
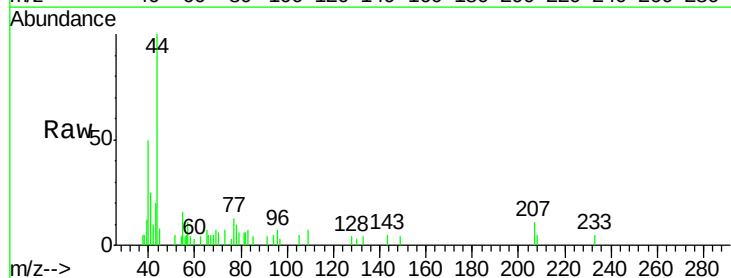
Tgt Ion: 41 Resp: 1116

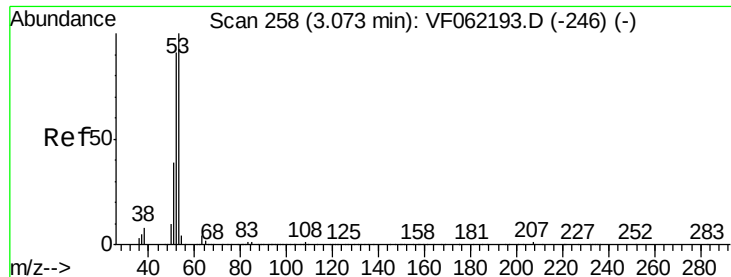
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

76 5.5 20.6 30.8#





#15

Acrylonitrile

Concen: 109.508 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

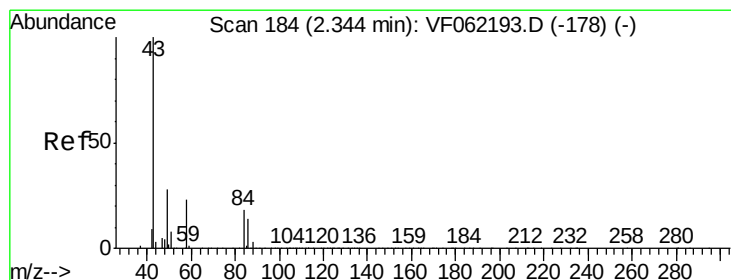
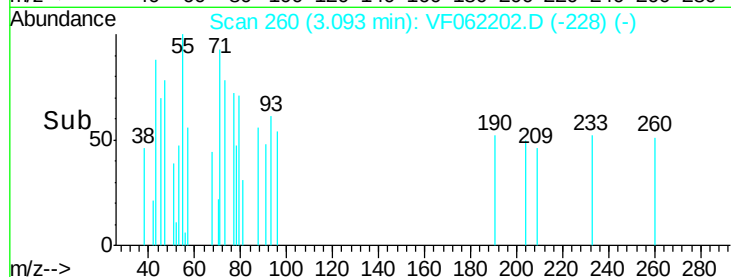
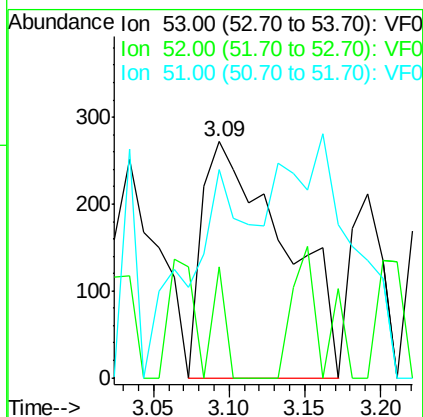
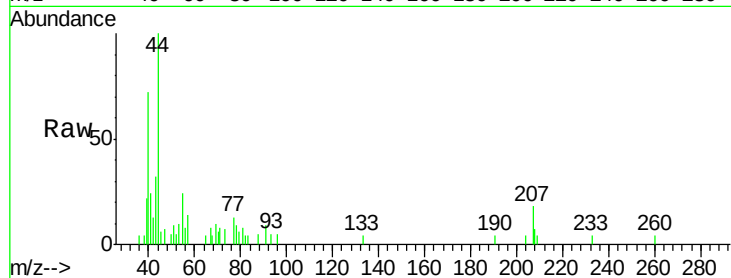
Tot Ion: 53 Resp: 1020

Ion Ratio Lower Upper

53 100

52 0.0 69.5 104.3#

51 66.4 31.8 47.8#



#16

Acetone

Concen: 73.697 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062202.D

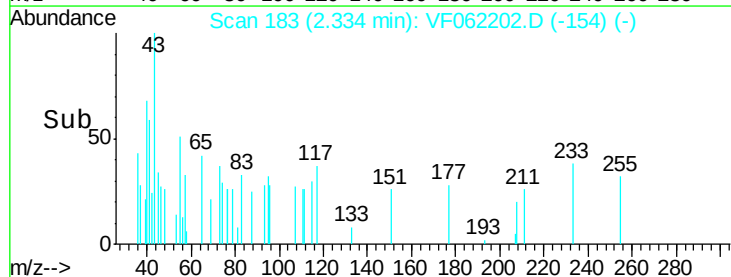
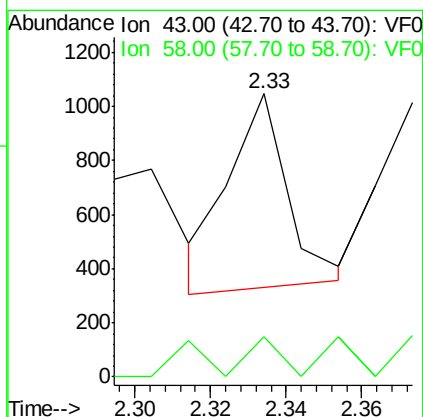
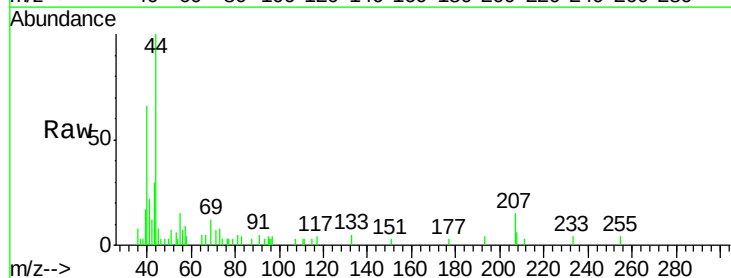
Acq: 18 Apr 2019 13:49

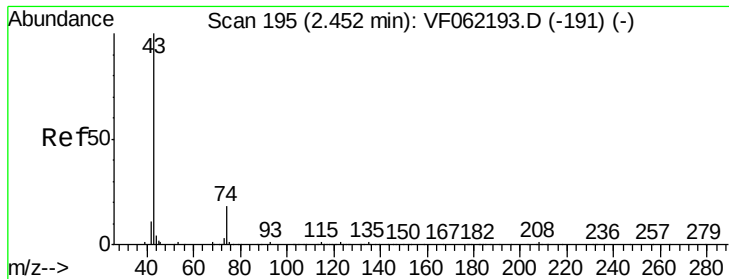
Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

58 1.7 18.8 28.2#

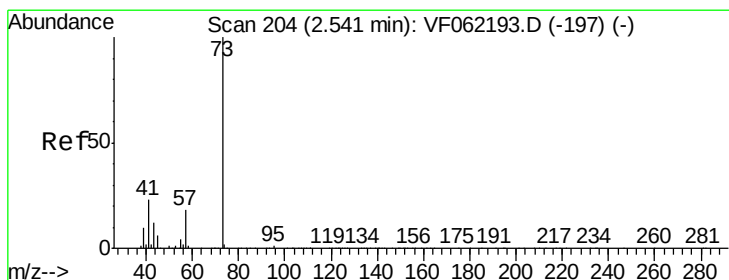
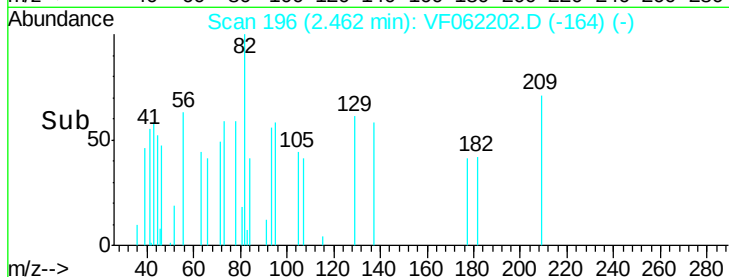
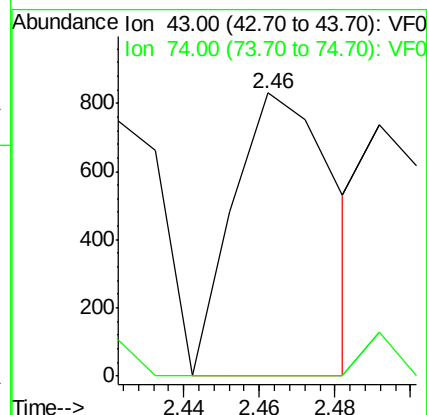
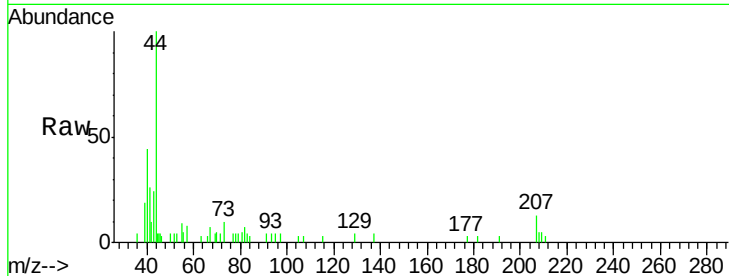




#18
Methyl Acetate
Concen: 70.008 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

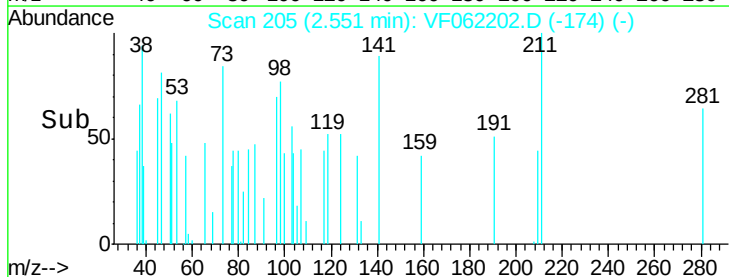
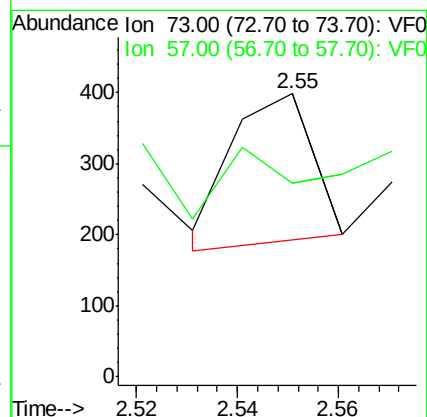
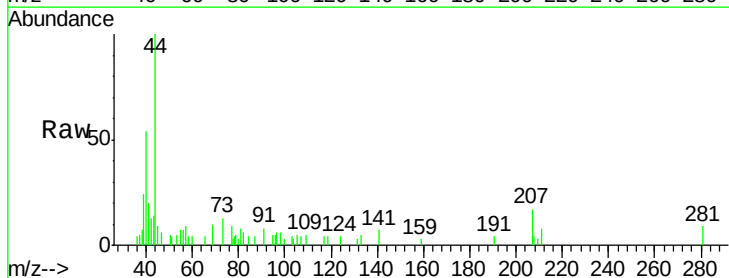
Instrument :
MSVOA_F
ClientSampleID :
TP5-B

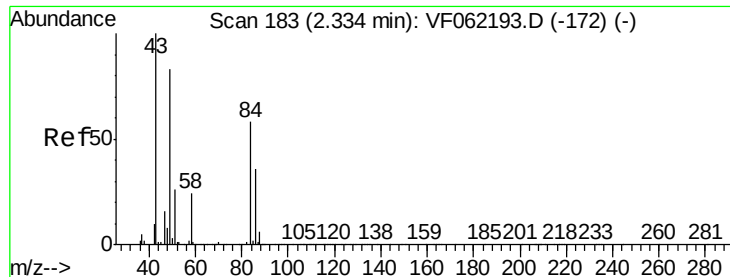
Tot Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
74 0.0 14.5 21.7#



#19
Methyl tert-butyl Ether
Concen: 2.480 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 73 Resp: 234
Ion Ratio Lower Upper
73 100
57 25.9 15.1 22.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.35 min Scan# 185

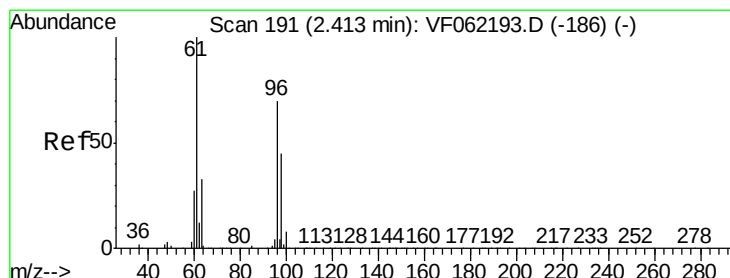
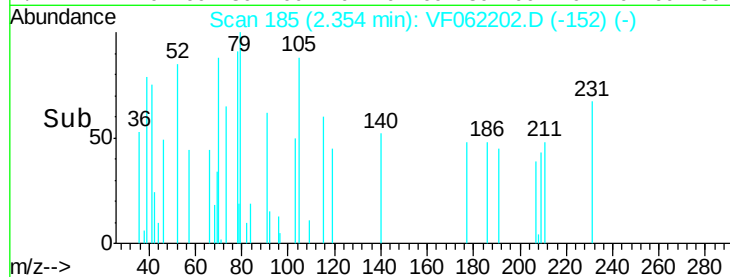
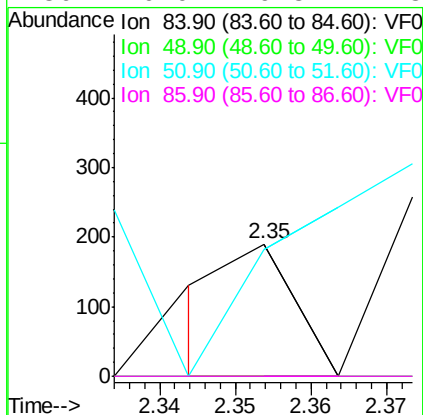
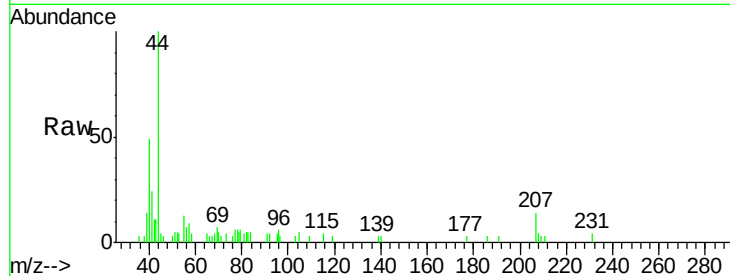
Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampled :
TP5-B

Tot Ion:	84	Resp:	112
Ion	Ratio	Lower	Upper
84	100		
49	0.0	114.0	171.0#
51	95.8	37.0	55.4#
86	0.0	49.8	74.8#



#21

trans-1,2-Dichloroethene

Concen: 5.979 ug/l

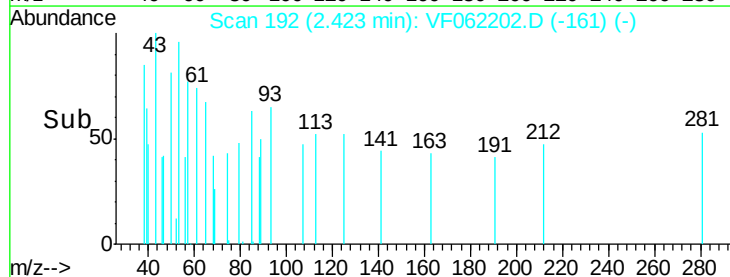
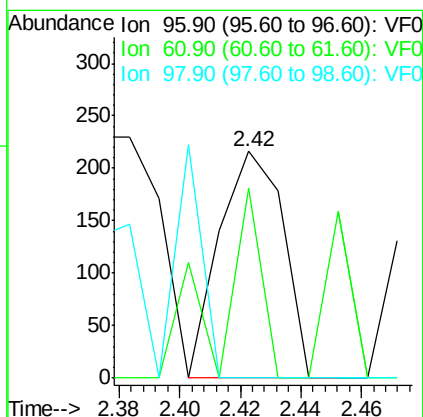
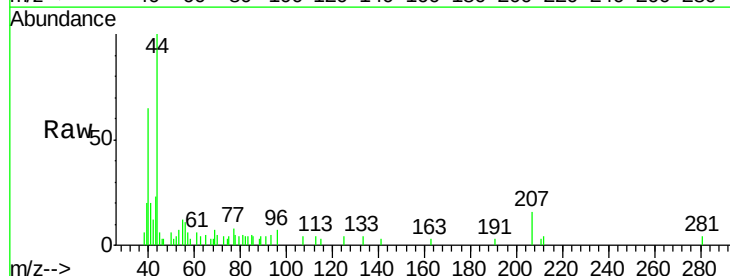
RT: 2.42 min Scan# 192

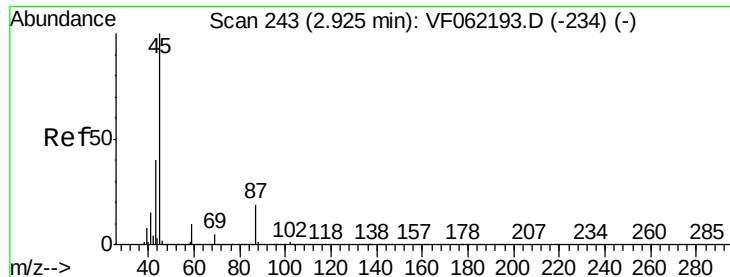
Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:	96	Resp:	316
Ion	Ratio	Lower	Upper
96	100		
61	32.9	114.6	172.0#
98	0.0	51.2	76.8#





#22

Diisopropyl ether

Concen: 1.064 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

TP5-B

Tot Ion: 45 Resp: 167

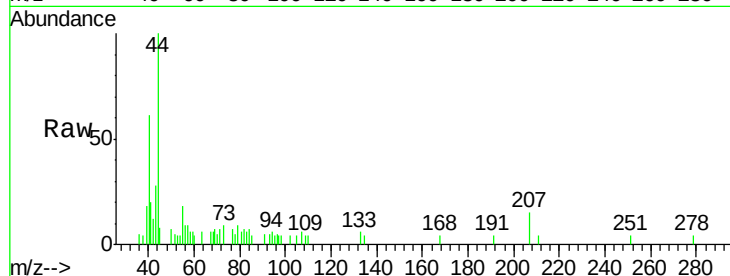
Ion Ratio Lower Upper

45 100

43 249.6 32.8 49.2#

87 0.0 15.2 22.8#

59 147.8 7.8 11.6#

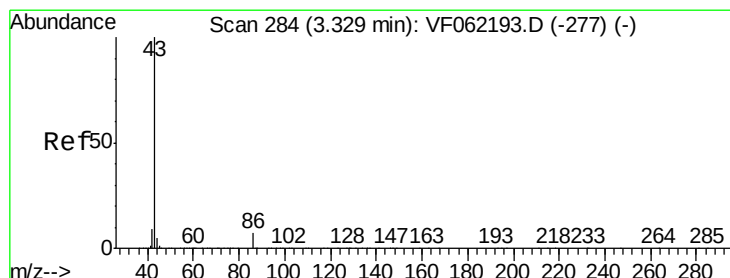
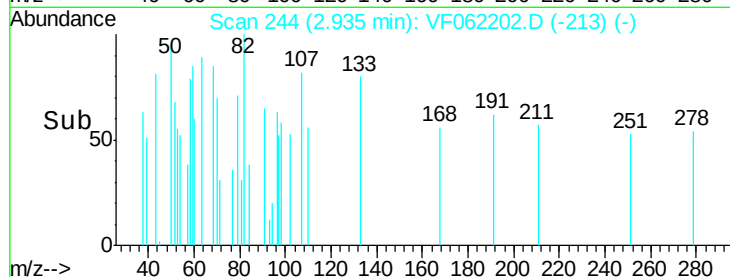
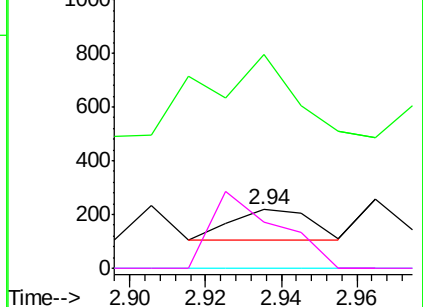


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 17.497 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062202.D

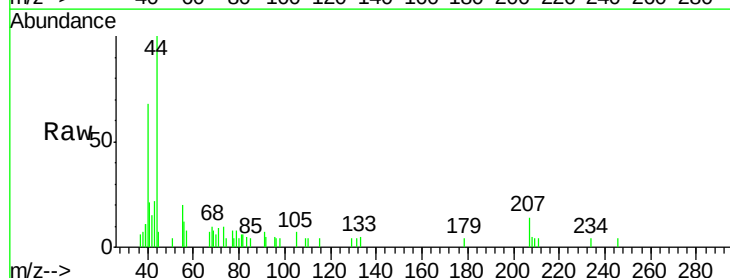
Acq: 18 Apr 2019 13:49

Tgt Ion: 43 Resp: 1308

Ion Ratio Lower Upper

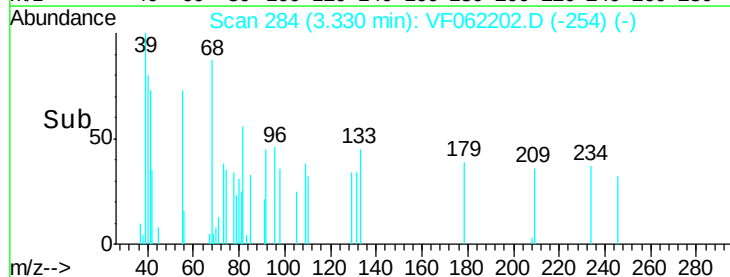
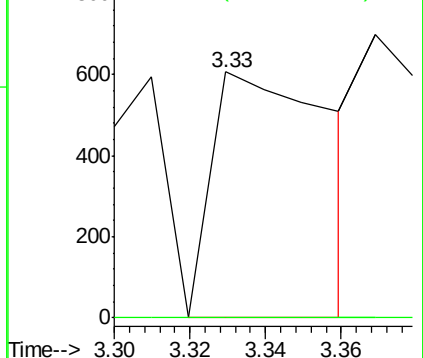
43 100

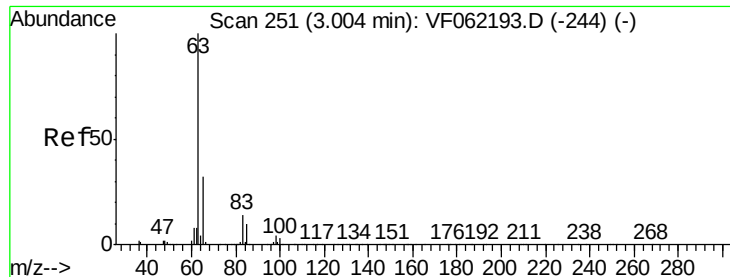
86 0.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 1.107 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

TP5-B

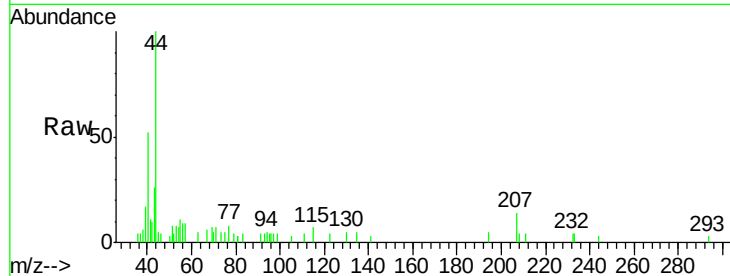
Tot Ion: 63 Resp: 95

Ion Ratio Lower Upper

63 100

98 0.0 2.3 6.8#

100 0.0 1.7 5.0#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.03

150

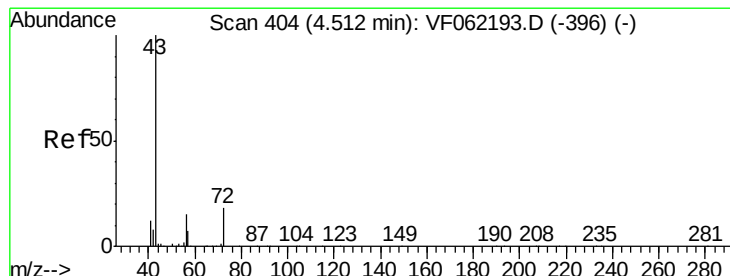
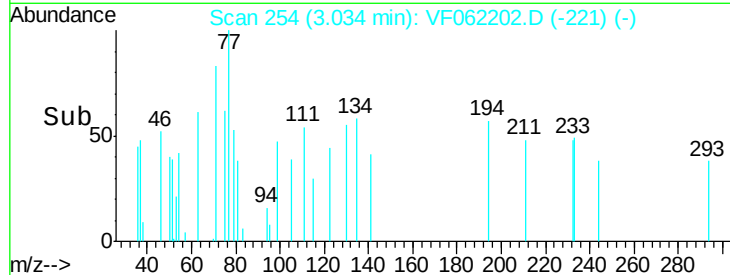
100

50

0

3.02 3.04 3.06

Time-->



#25

2-Butanone

Concen: 75.712 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF062202.D

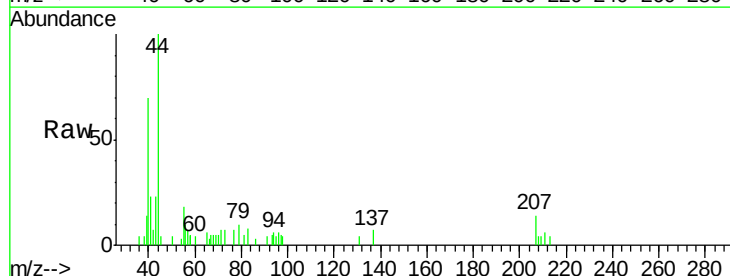
Acq: 18 Apr 2019 13:49

Tgt Ion: 43 Resp: 1592

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

800

600

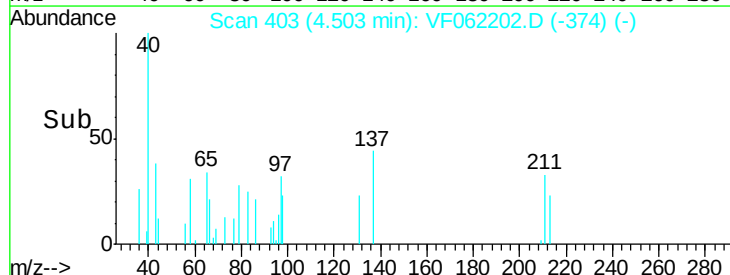
400

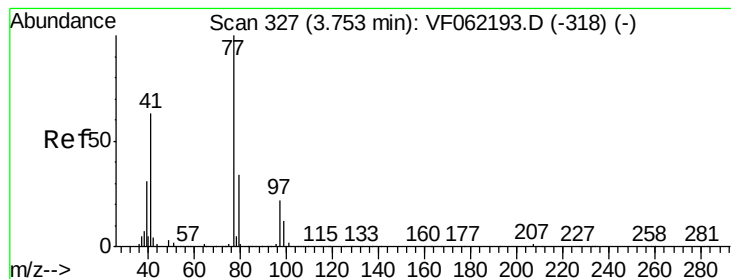
200

0

4.45 4.50 4.55

Time-->





#26

2,2-Dichloropropane

Concen: 6.808 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.10 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

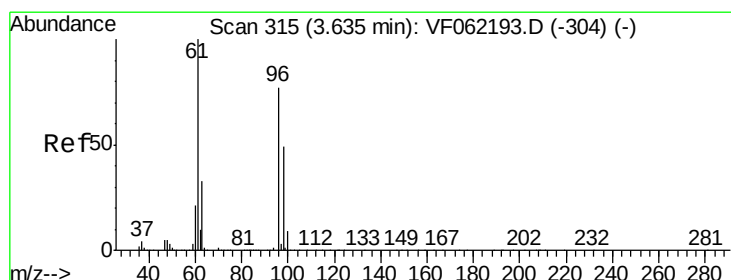
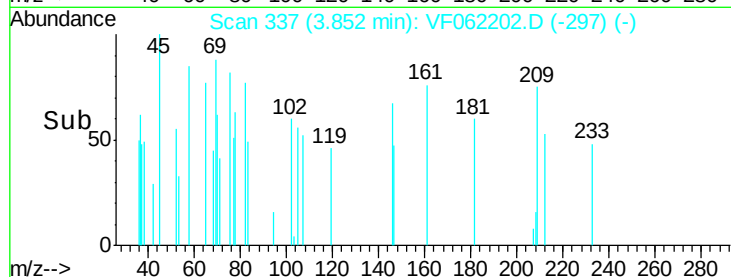
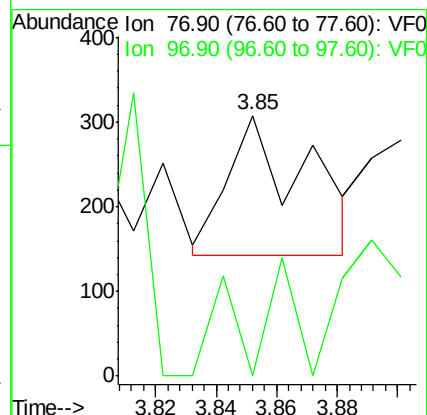
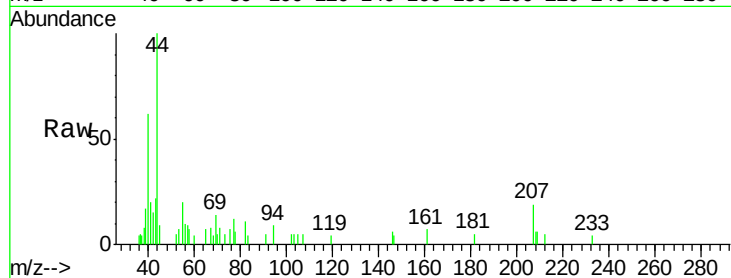
TP5-B

Tot Ion: 77 Resp: 295

Ion Ratio Lower Upper

77 100

97 23.7 11.1 33.3



#27

cis-1,2-Dichloroethene

Concen: 3.463 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.21 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

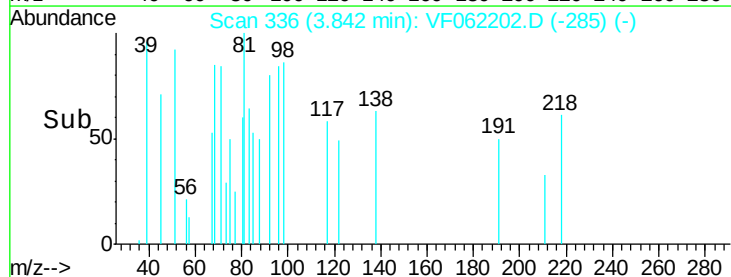
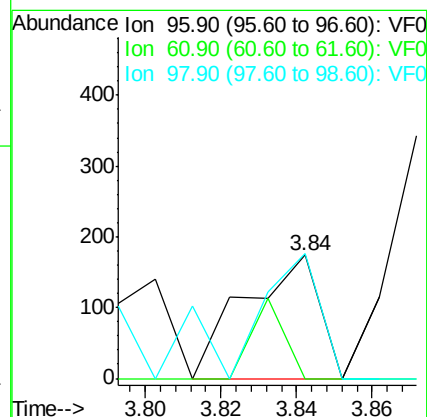
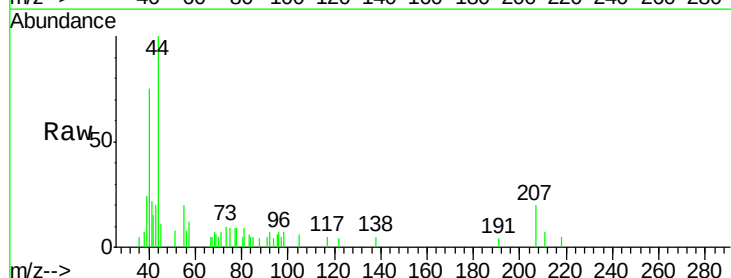
Tgt Ion: 96 Resp: 237

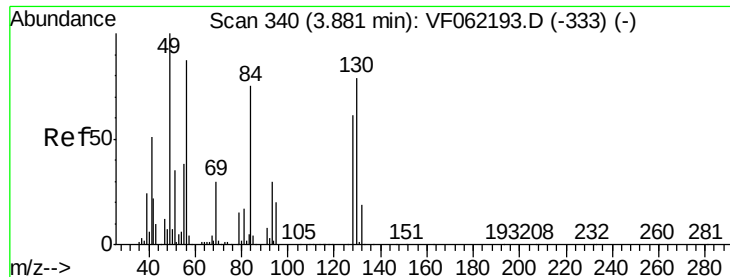
Ion Ratio Lower Upper

96 100

61 28.3 0.0 253.6

98 100.4 0.0 124.8





#28

Bromochloromethane

Concen: 1.557 ug/l

RT: 4.09 min Scan# 361

Delta R.T. 0.21 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleID :

TP5-B

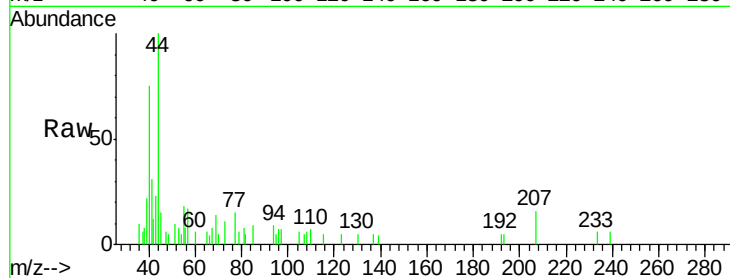
Tot Ion: 49 Resp: 64

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

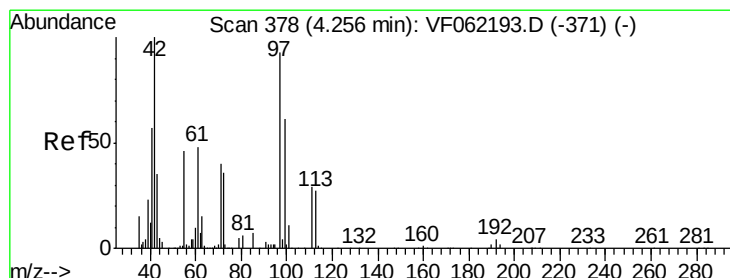
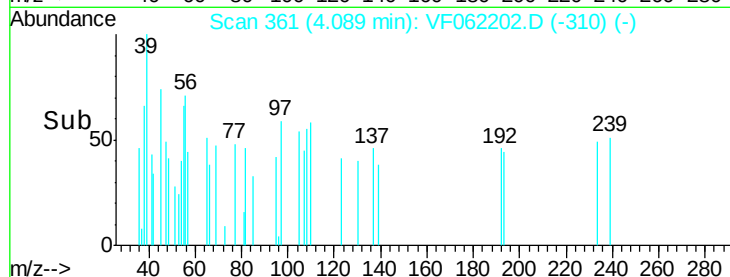
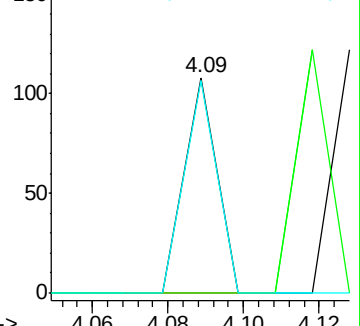
130 98.4 66.6 100.0



Abundance Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 16.180 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

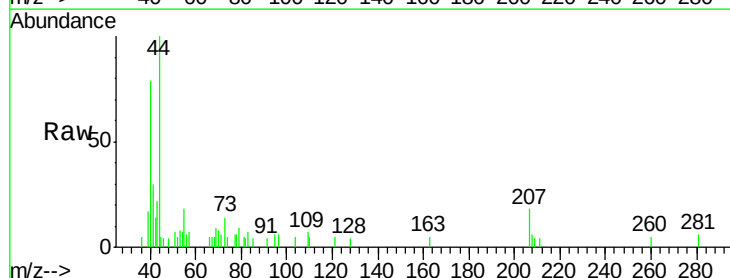
Tgt Ion: 42 Resp: 154

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

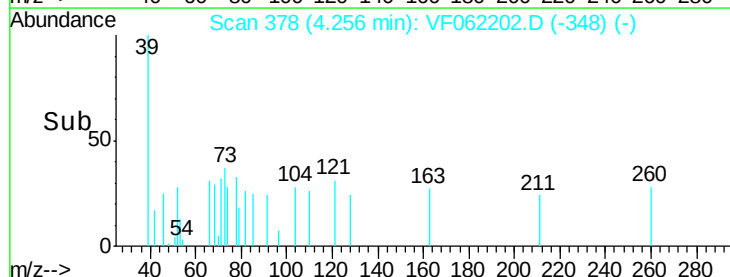
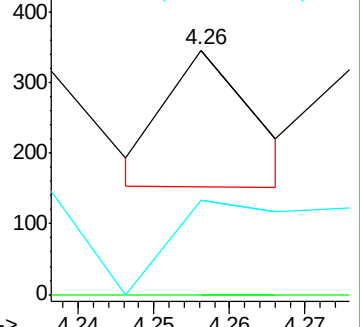
71 0.0 29.2 43.8#

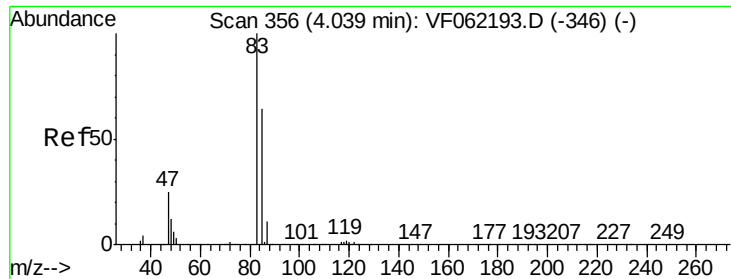


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

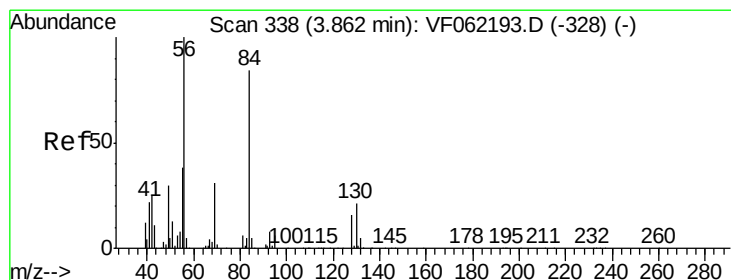
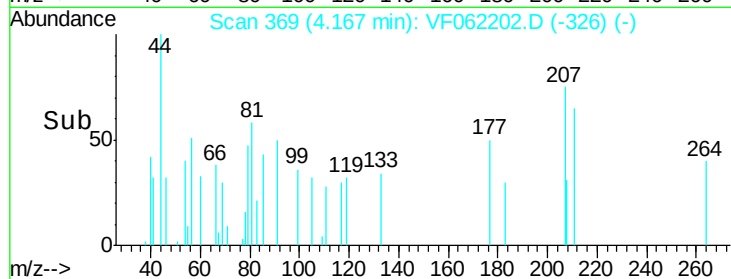
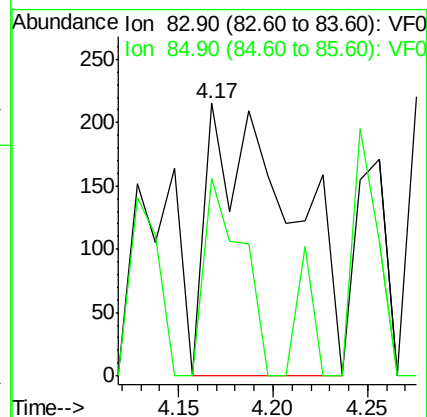
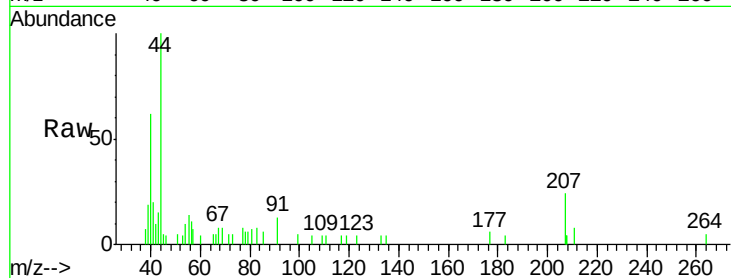




#30
Chloroform
Concen: 6.238 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.13 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

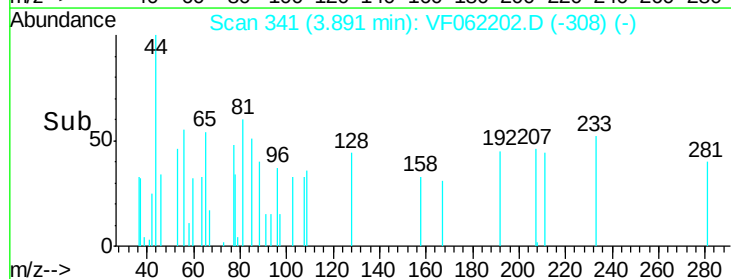
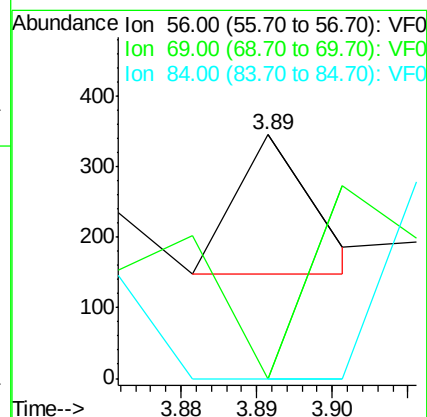
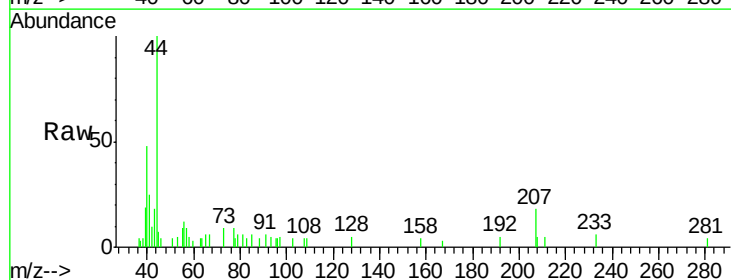
Instrument :
MSVOA_F
ClientSampleId :
TP5-B

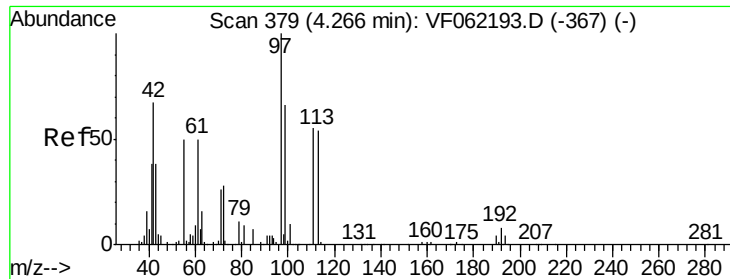
Tot Ion: 83 Resp: 658
Ion Ratio Lower Upper
83 100
85 72.6 51.8 77.8



#31
Cyclohexane
Concen: 1.342 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.03 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
69 0.0 25.1 37.7#
84 0.0 67.8 101.6#





#32

1,1,1-Trichloroethane

Concen: 2.992 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

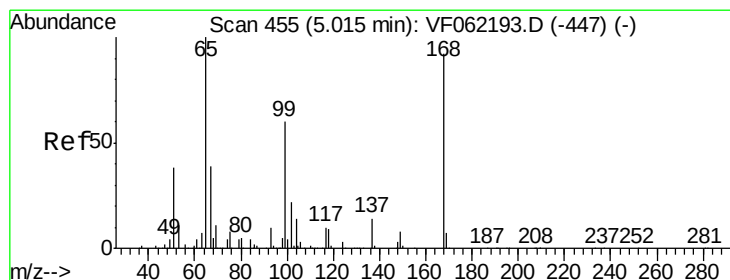
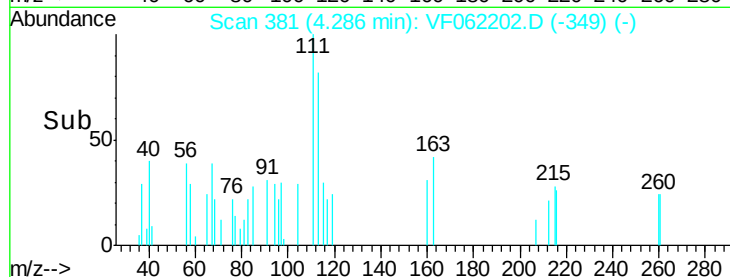
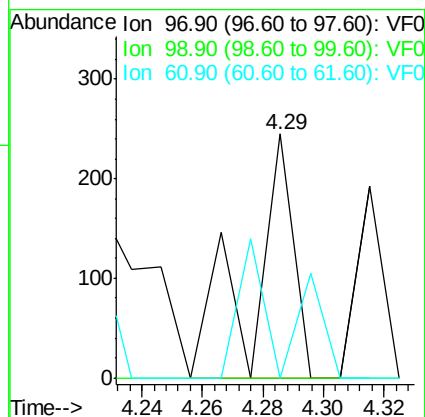
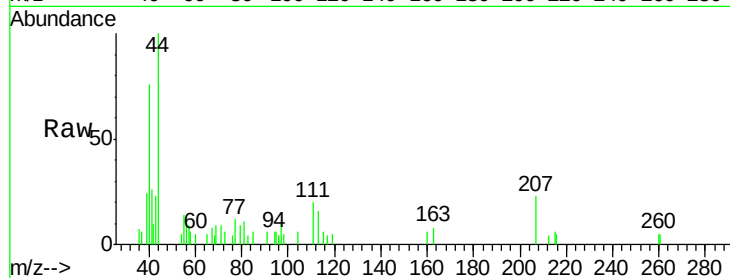
Tot Ion: 97 Resp: 231

Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

61 62.8 53.0 79.4



#33

1,2-Dichloroethane-d4

Concen: 32.526 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062202.D

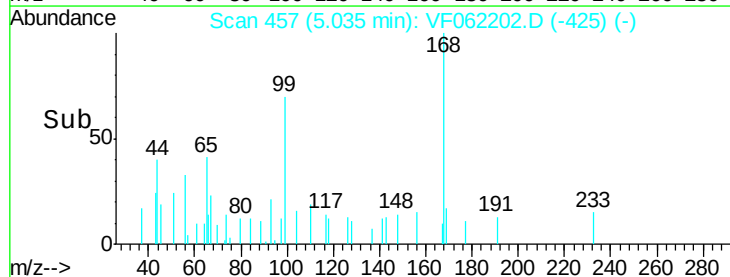
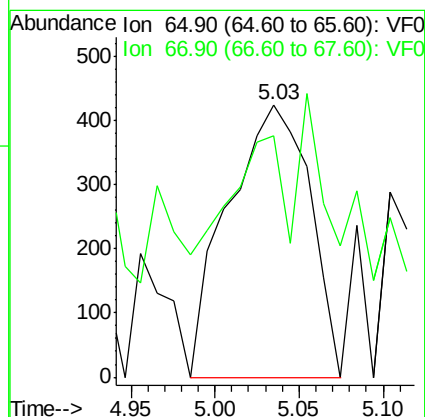
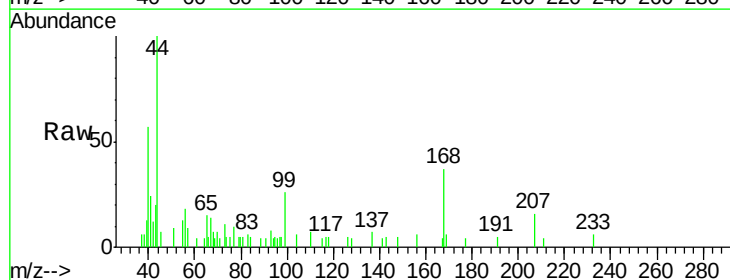
Acq: 18 Apr 2019 13:49

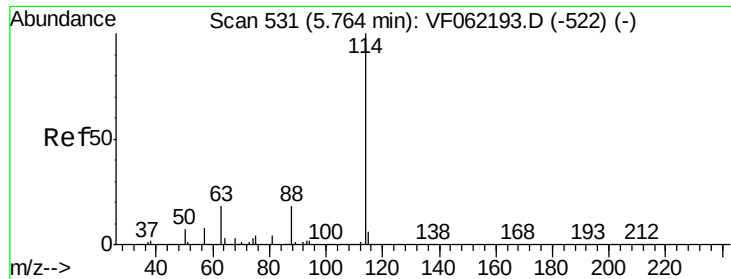
Tgt Ion: 65 Resp: 1431

Ion Ratio Lower Upper

65 100

67 28.8 0.0 109.4

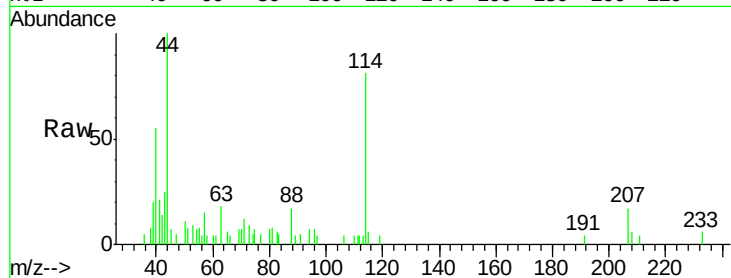




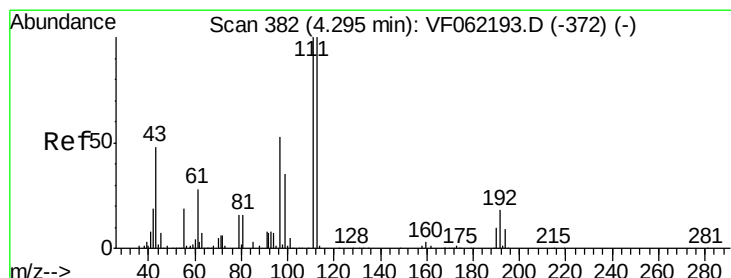
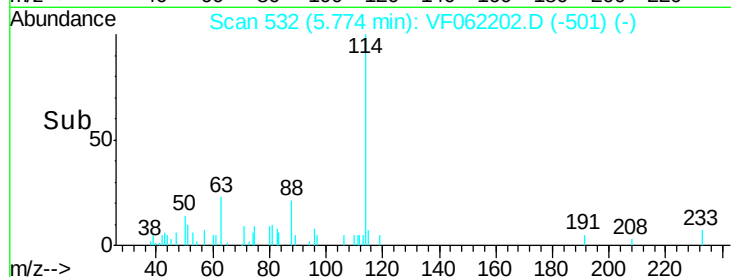
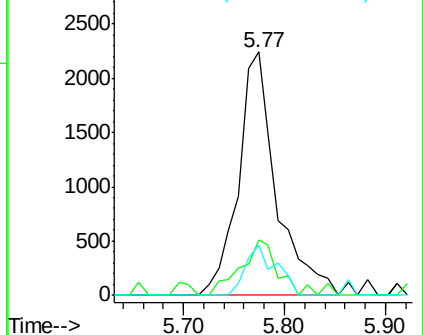
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Instrument :
 MSVOA_F
 ClientSampleId :
 TP5-B

Tot Ion:114 Resp: 5877
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 36.6
 88 20.7 0.0 35.8

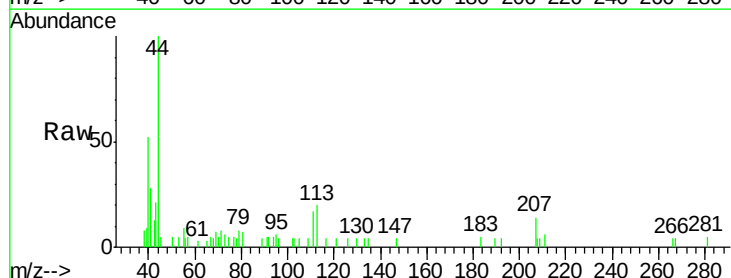


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 87.90 (87.60 to 88.60): VF0

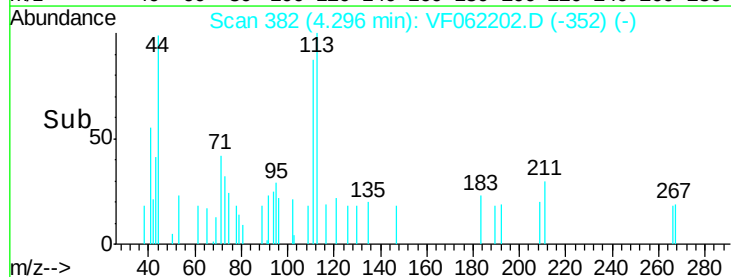
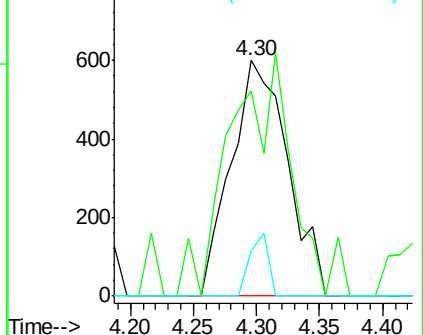


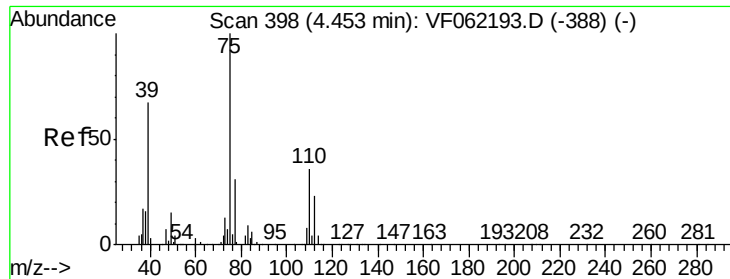
#35
 Dibromofluoromethane
 Concen: 36.414 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion:113 Resp: 1872
 Ion Ratio Lower Upper
 113 100
 111 114.3 81.1 121.7
 192 8.8 14.7 22.1#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 1.433 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.06 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

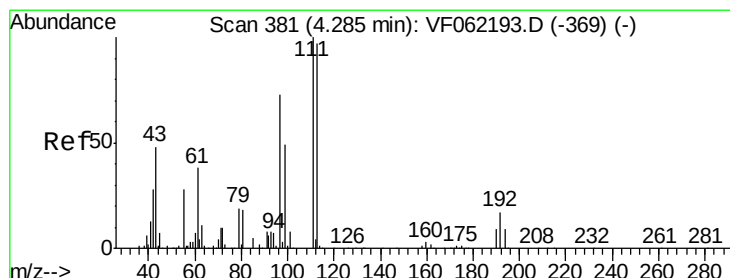
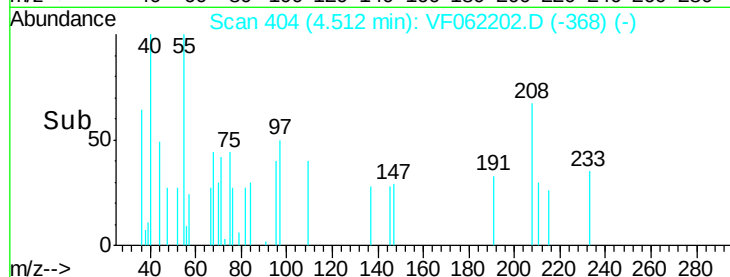
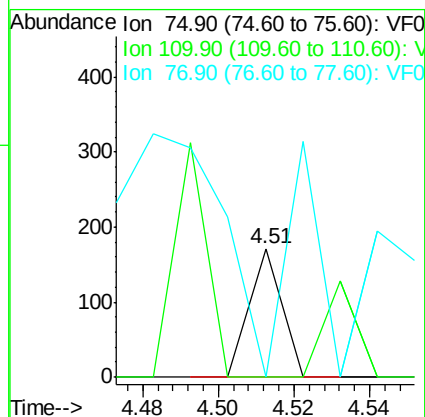
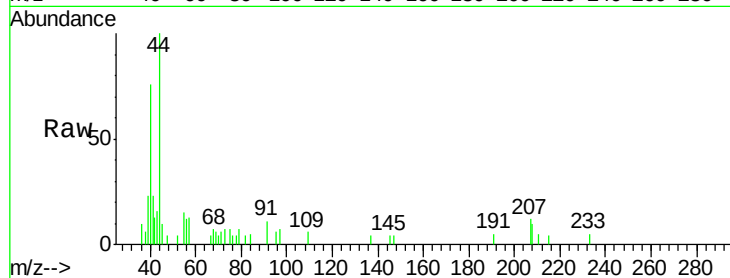
Tot Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

110 75.2 18.4 55.2#

77 184.2 25.4 38.2#



#37

Ethyl Acetate

Concen: 29.955 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

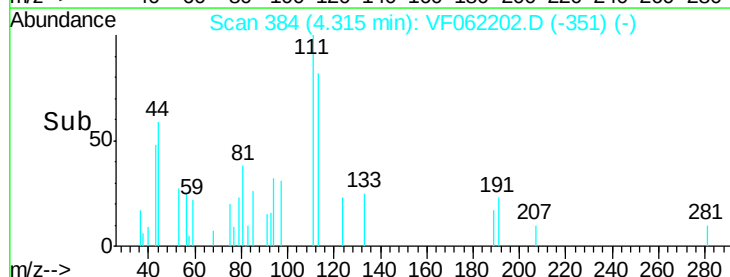
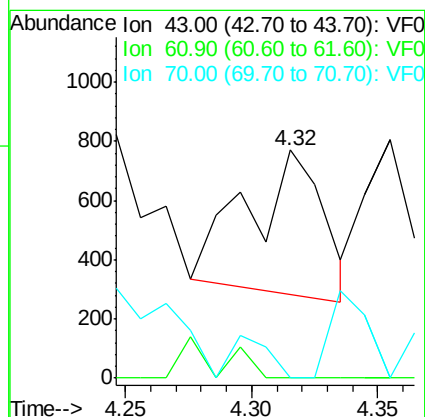
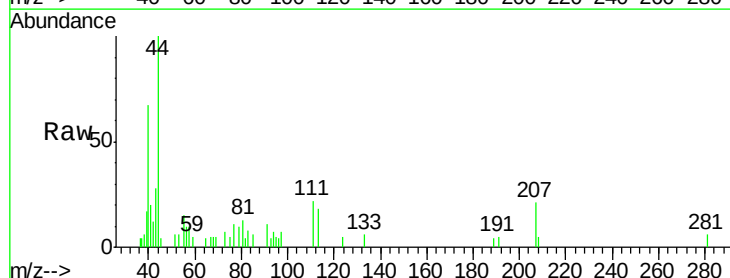
Tgt Ion: 43 Resp: 996

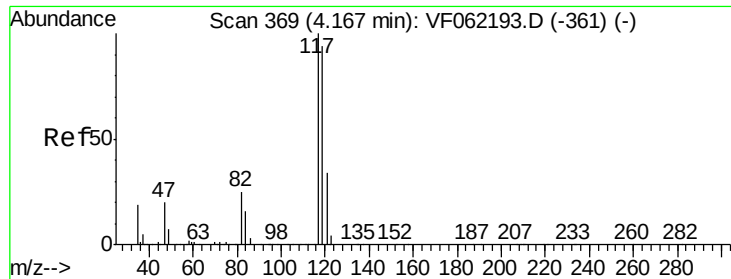
Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 14.9 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 2.036 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

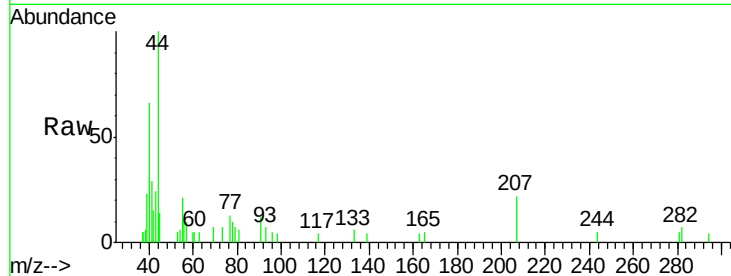
Tot Ion:117 Resp: 127

Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.4#

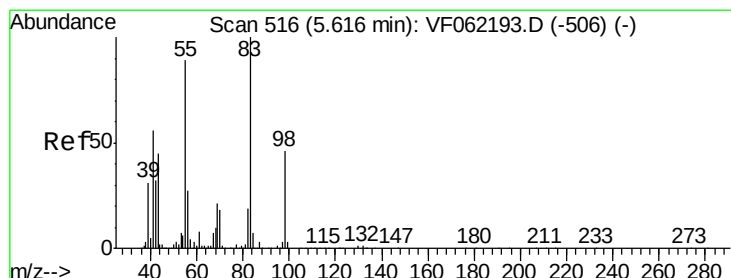
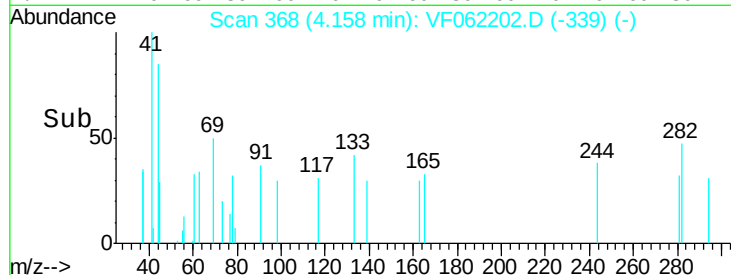
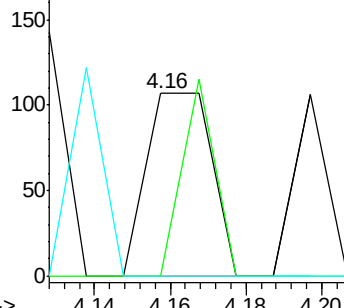
121 0.0 26.9 40.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.366 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.04 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

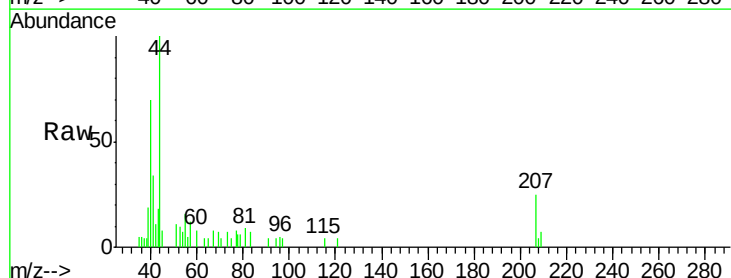
Tgt Ion: 83 Resp: 284

Ion Ratio Lower Upper

83 100

55 21.0 71.0 106.6#

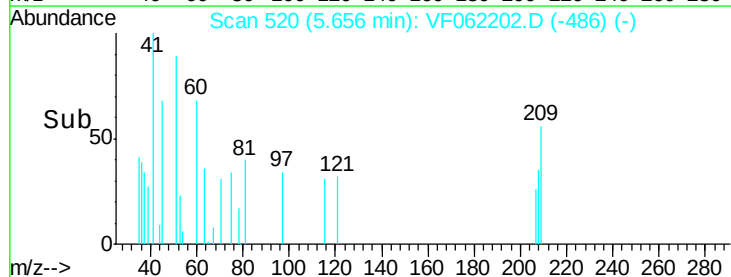
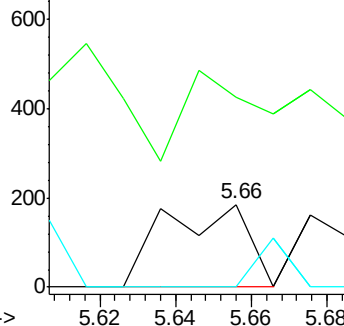
98 0.0 36.7 55.1#

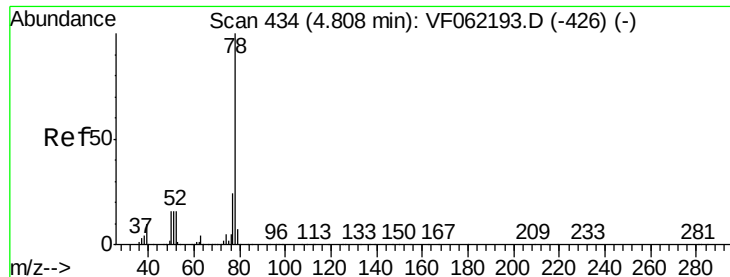


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 2.251 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

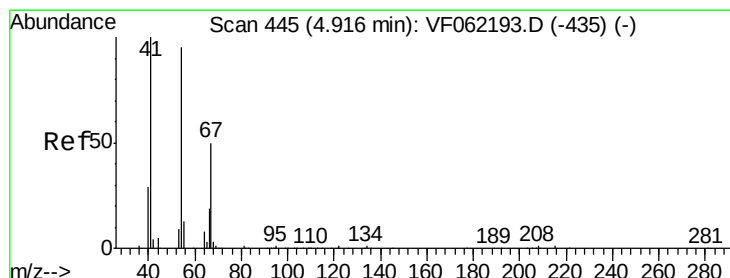
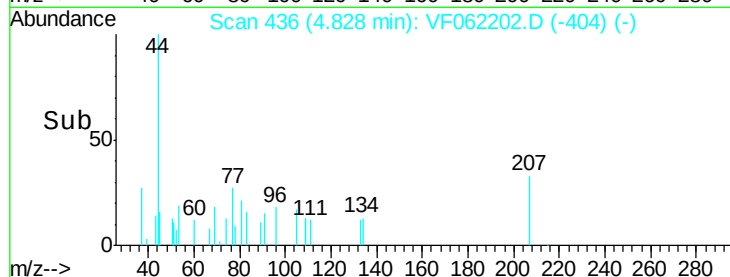
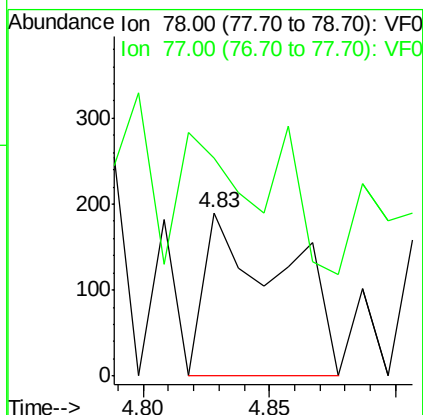
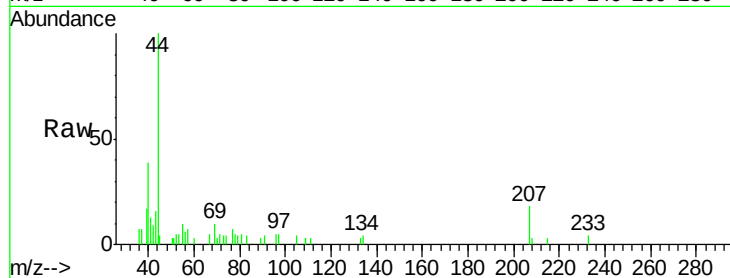
TP5-B

Tot Ion: 78 Resp: 416

Ion Ratio Lower Upper

78 100

77 71.1 18.9 28.3#



#41

Methacrylonitrile

Concen: 13.139 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion: 41 Resp: 252

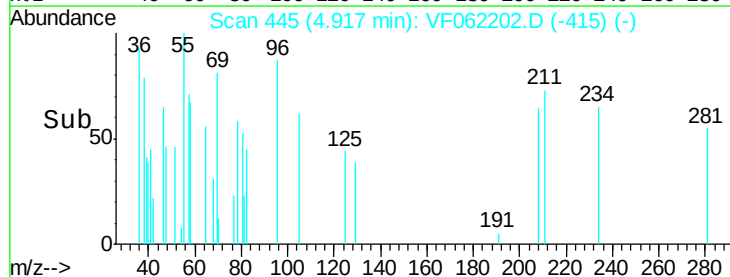
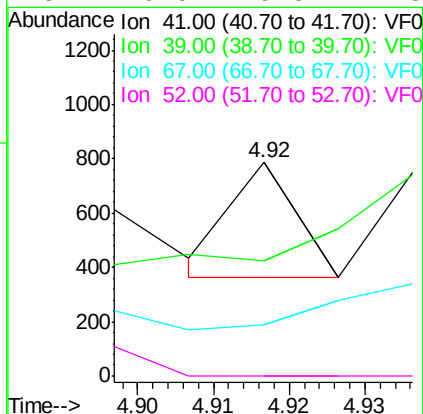
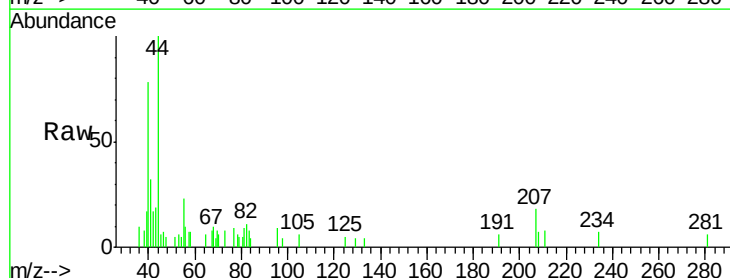
Ion Ratio Lower Upper

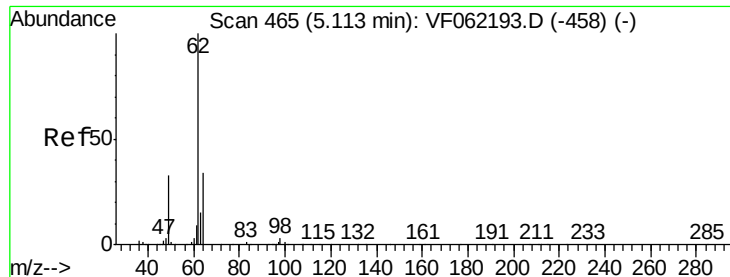
41 100

39 0.0 44.7 67.1#

67 0.0 39.1 58.7#

52 0.0 49.8 74.8#





#42

1,2-Dichloroethane

Concen: 1.433 ug/l

RT: 5.25 min Scan# 479

Delta R.T. 0.14 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

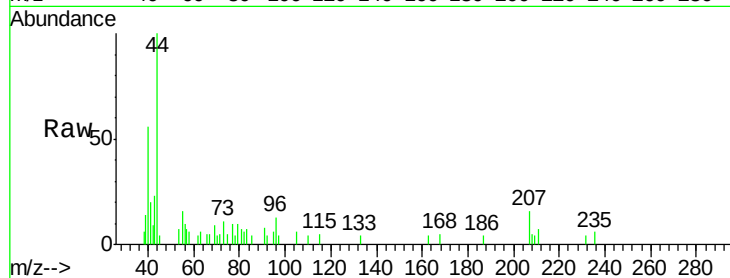
TP5-B

Tot Ion: 62 Resp: 70

Ion Ratio Lower Upper

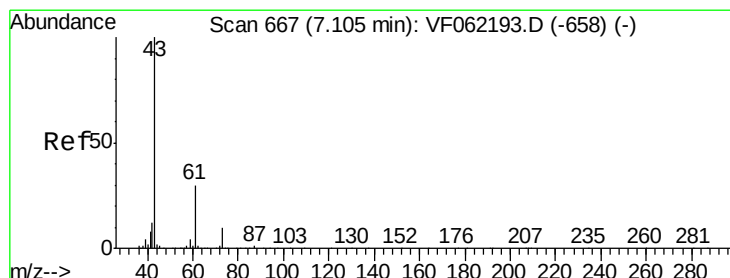
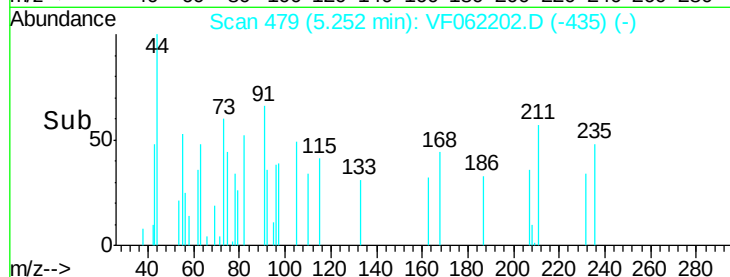
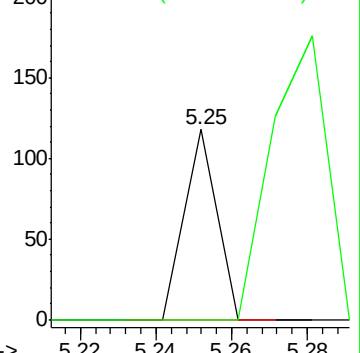
62 100

98 0.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#43

Isopropyl Acetate

Concen: 37.803 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

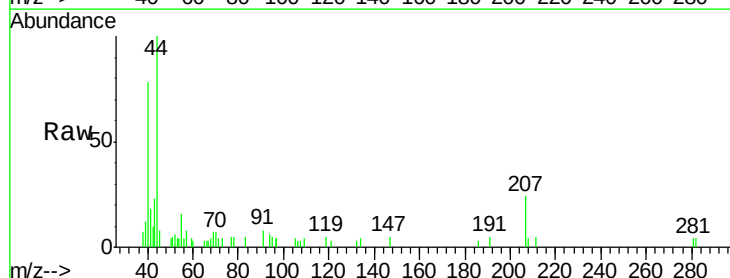
Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

61 7.1 24.4 36.6#

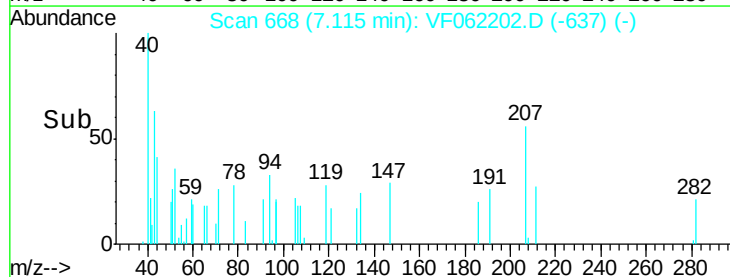
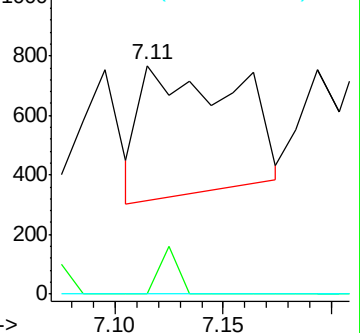
87 0.0 0.4 0.6#

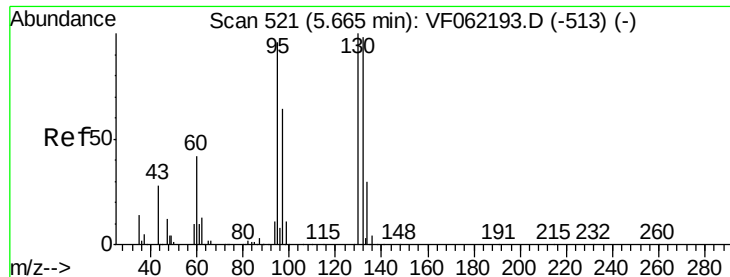


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 1.742 ug/l

RT: 5.84 min Scan# 539

Delta R.T. 0.18 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

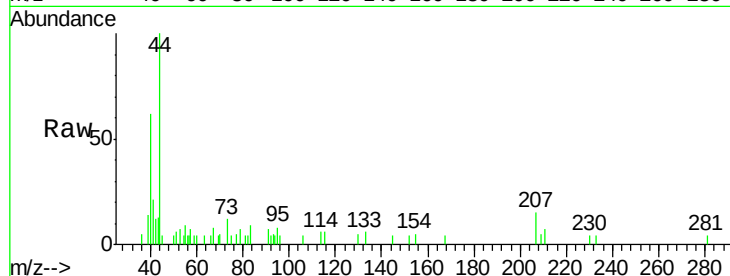
TP5-B

Tot Ion:130 Resp: 87

Ion Ratio Lower Upper

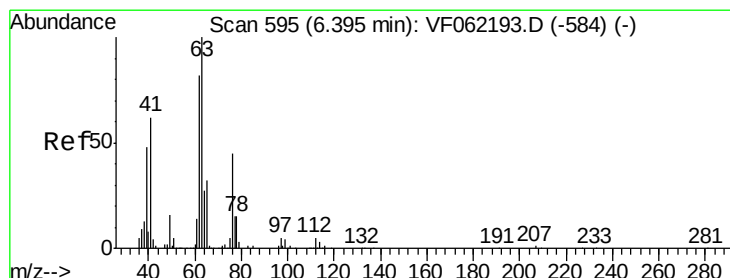
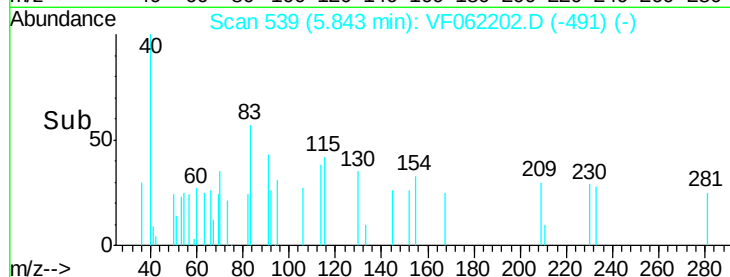
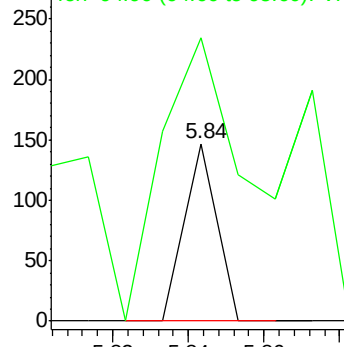
130 100

95 159.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0



#45

1,2-Dichloropropane

Concen: 5.134 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.03 min

Lab File: VF062202.D

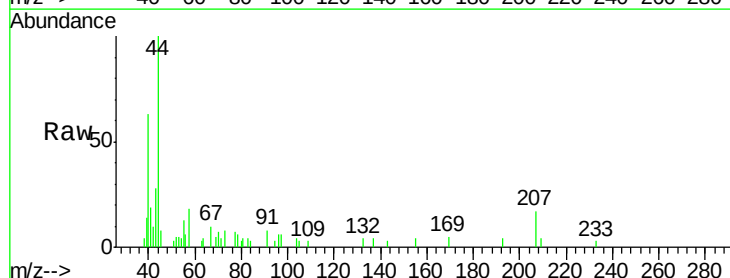
Acq: 18 Apr 2019 13:49

Tgt Ion: 63 Resp: 209

Ion Ratio Lower Upper

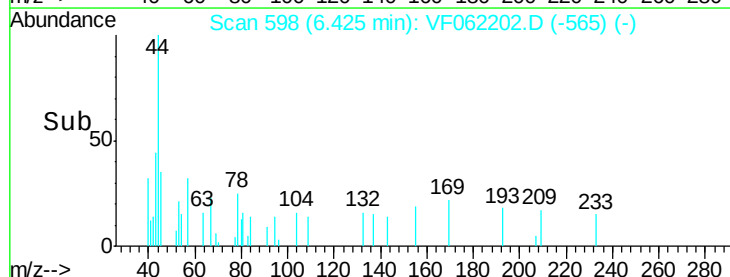
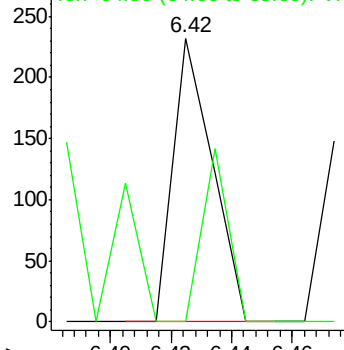
63 100

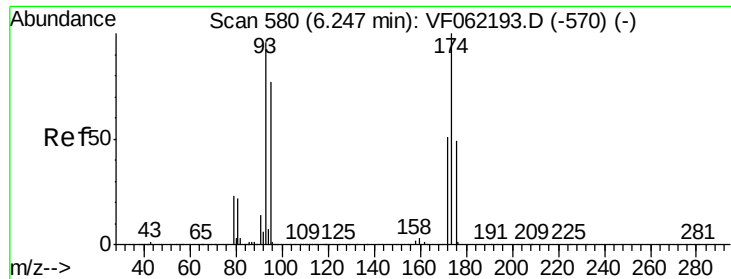
65 0.0 25.9 38.9#



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

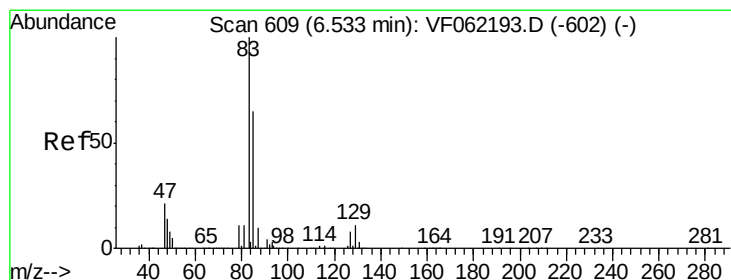
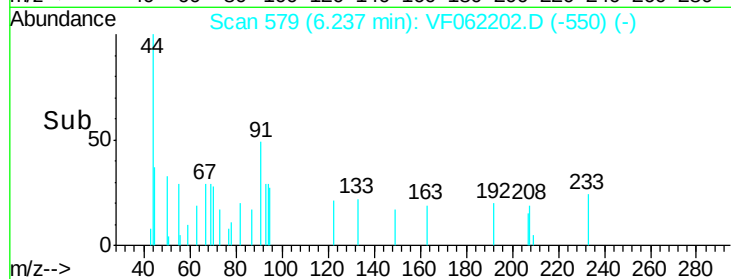
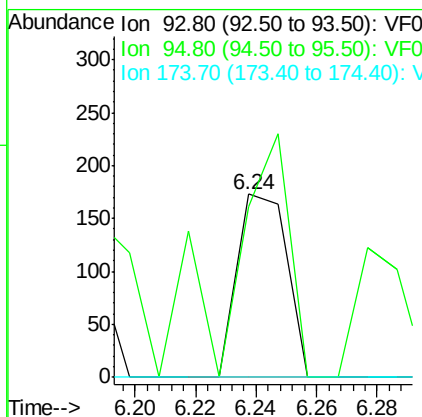
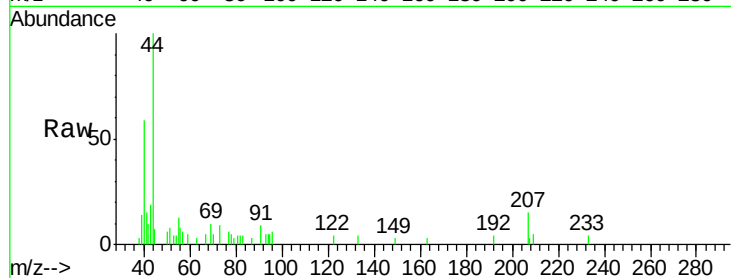




#46
Dibromomethane
Concen: 7.347 ug/l
RT: 6.24 min Scan# 579
Delta R.T. -0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

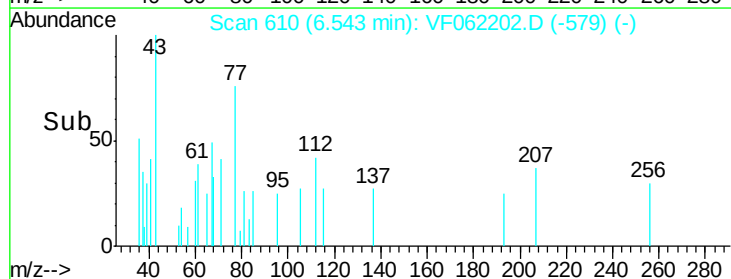
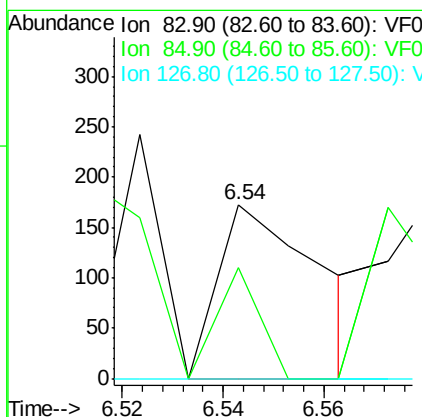
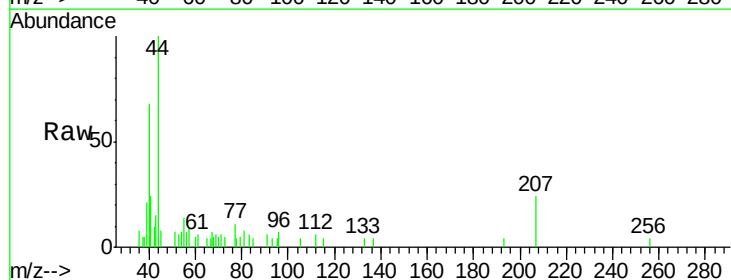
Instrument :
MSVOA_F
ClientSampled :
TP5-B

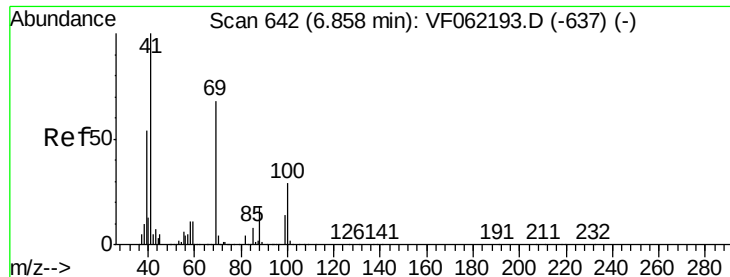
Tot Ion: 93 Resp: 199
Ion Ratio Lower Upper
93 100
95 157.3 65.1 97.7#
174 0.0 81.8 122.6#



#47
Bromodichloromethane
Concen: 3.943 ug/l
RT: 6.54 min Scan# 610
Delta R.T. 0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 83 Resp: 241
Ion Ratio Lower Upper
83 100
85 63.6 52.2 78.4
127 0.0 6.7 10.1#

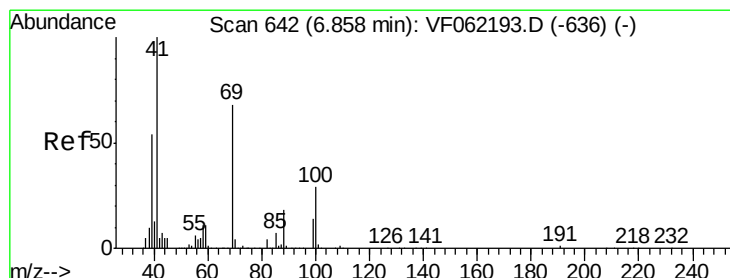
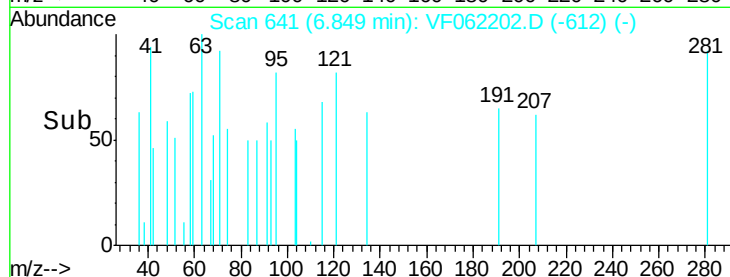
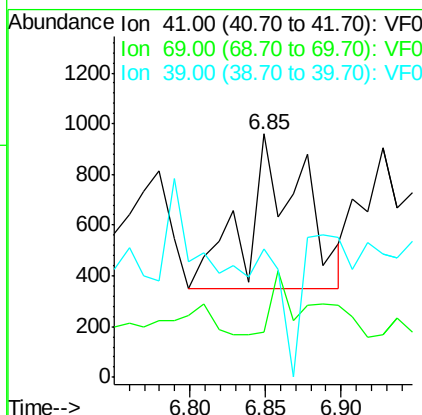
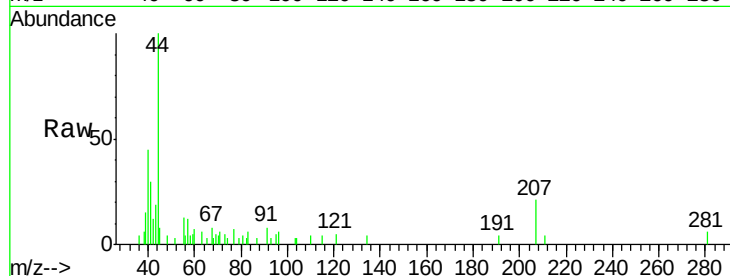




#48
Methvl methacrylate
Concen: 70.142 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

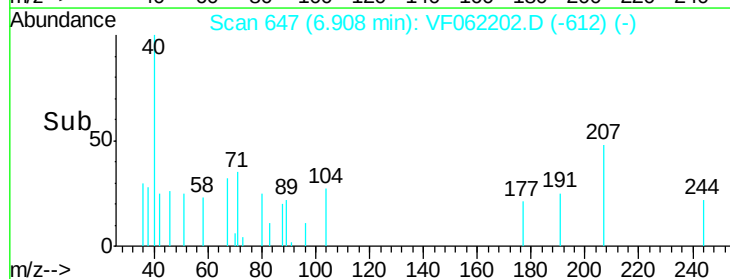
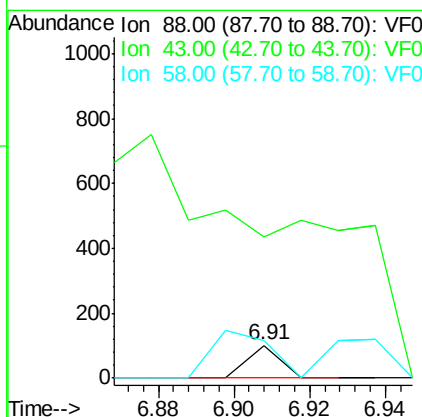
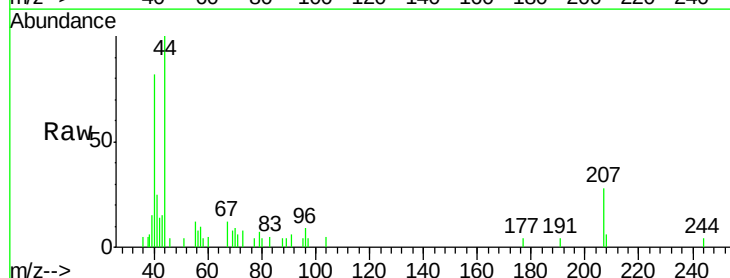
Instrument :
MSVOA_F
ClientSampled :
TP5-B

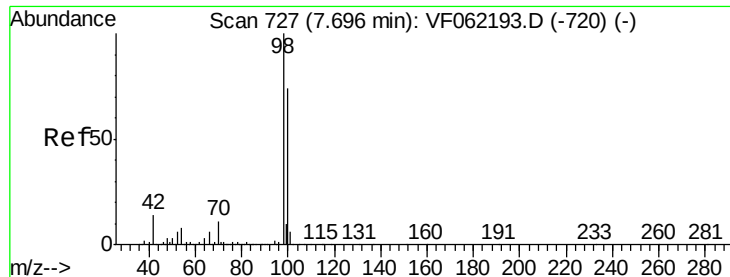
Tot Ion: 41 Resp: 1612
Ion Ratio Lower Upper
41 100
69 15.7 54.9 82.3#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 223.851 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.05 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 36.9 55.3#
58 261.0 56.8 85.2#





#50

Toluene-d8

Concen: 30.500 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

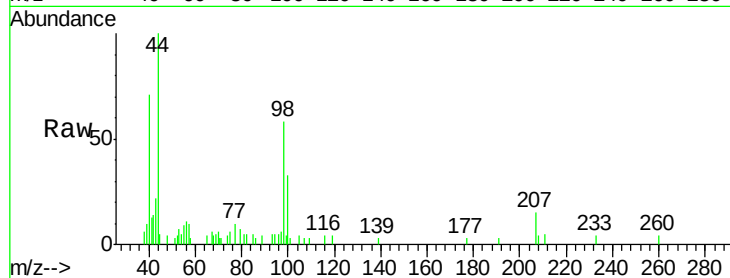
TP5-B

Tot Ion: 98 Resp: 3969

Ion Ratio Lower Upper

98 100

100 65.9 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

2000

1500

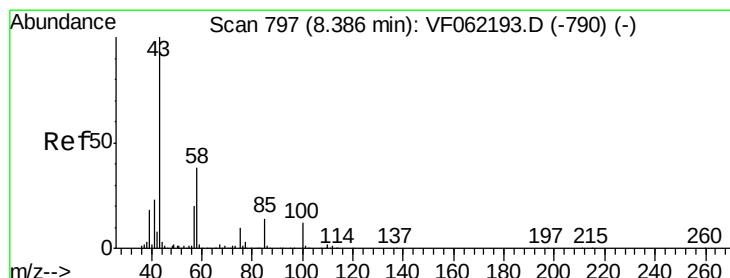
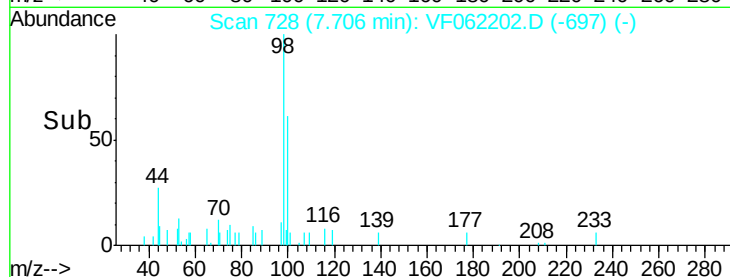
1000

500

0

Time-->

7.60 7.65 7.70 7.75 7.80



#51

4-Methyl-2-Pentanone

Concen: 22.645 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062202.D

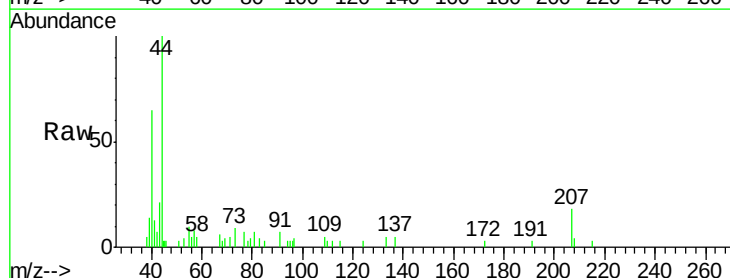
Acq: 18 Apr 2019 13:49

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

58 53.0 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.37

1000

800

600

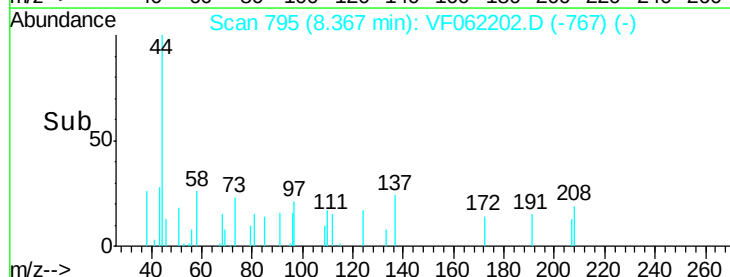
400

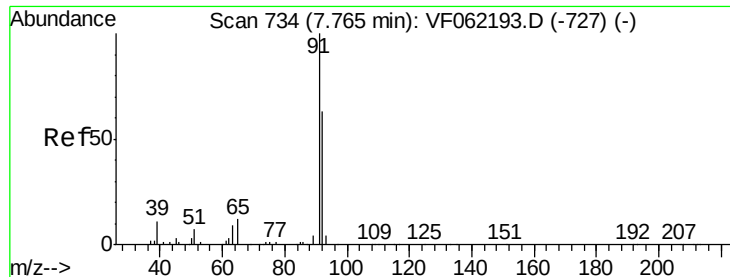
200

0

Time-->

8.34 8.36 8.38 8.40





#52

Toluene

Concen: 2.279 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

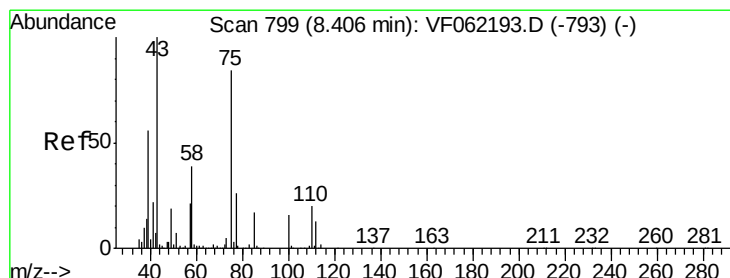
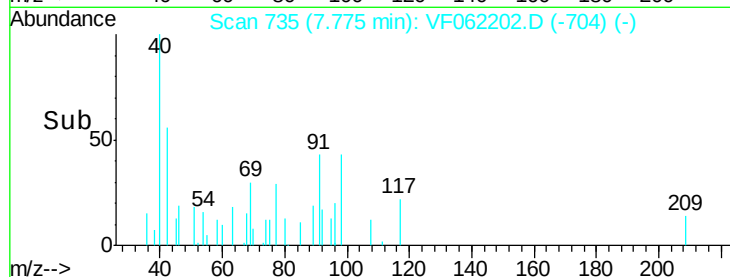
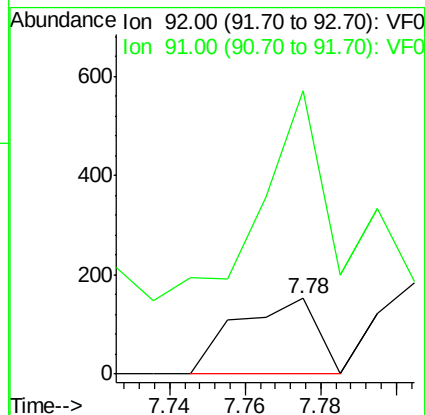
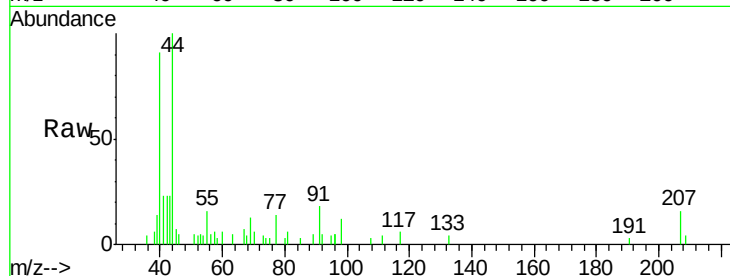
TP5-B

Tot Ion: 92 Resp: 222

Ion Ratio Lower Upper

92 100

91 319.8 130.1 195.1#



#53

t-1,3-Dichloropropene

Concen: 2.418 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062202.D

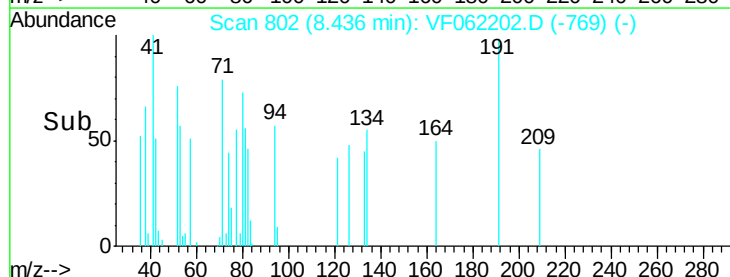
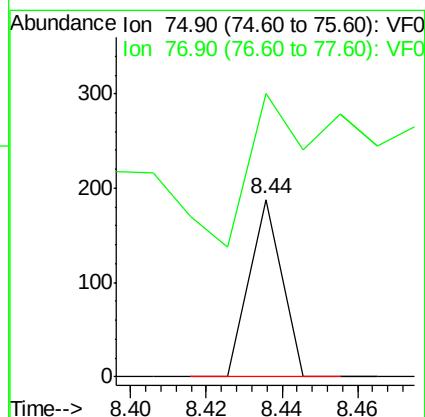
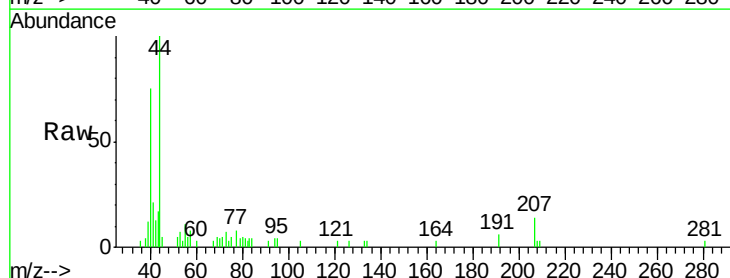
Acq: 18 Apr 2019 13:49

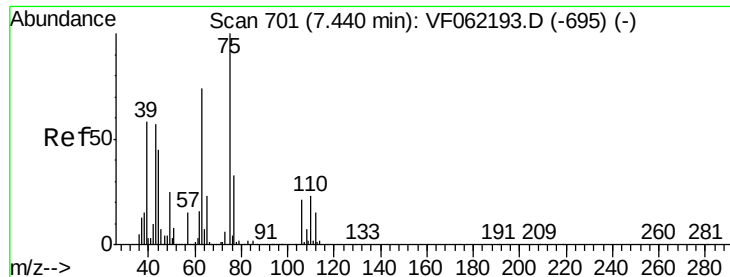
Tgt Ion: 75 Resp: 111

Ion Ratio Lower Upper

75 100

77 69.1 24.6 36.8#





#54

cis-1,3-Dichloropropene

Concen: 1.063 ug/l

RT: 7.41 min Scan# 698

Delta R.T. -0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

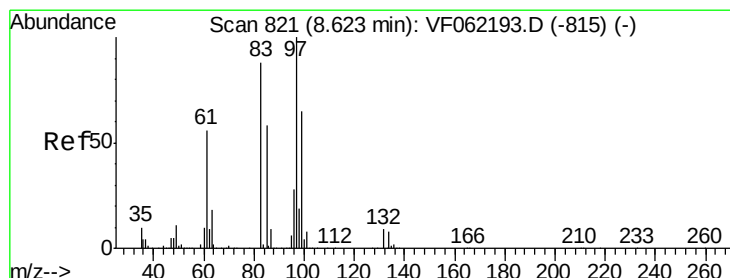
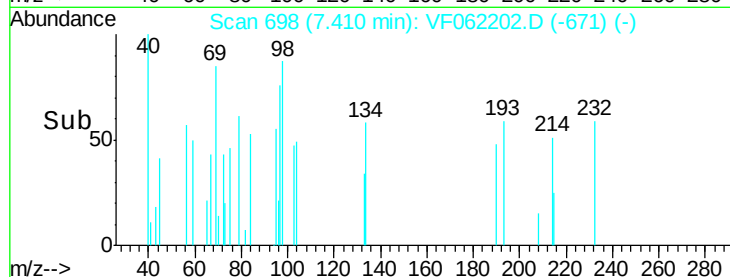
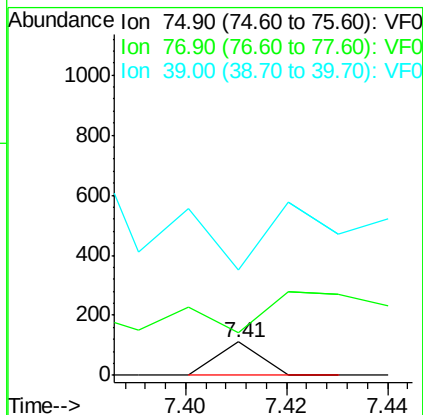
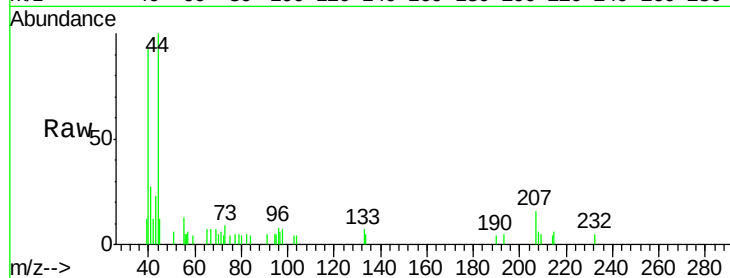
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

39 0.0 46.7 70.1#



#55

1,1,2-Trichloroethane

Concen: 6.376 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion: 97 Resp: 174

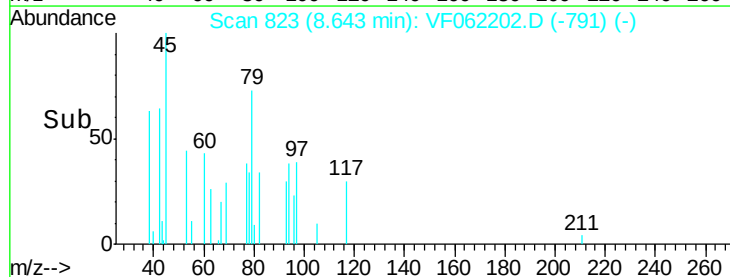
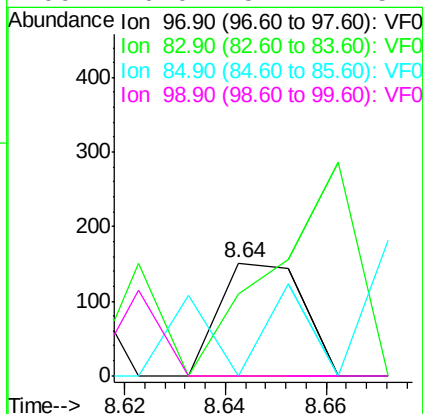
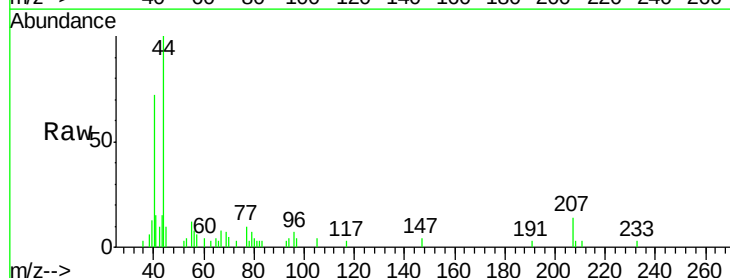
Ion Ratio Lower Upper

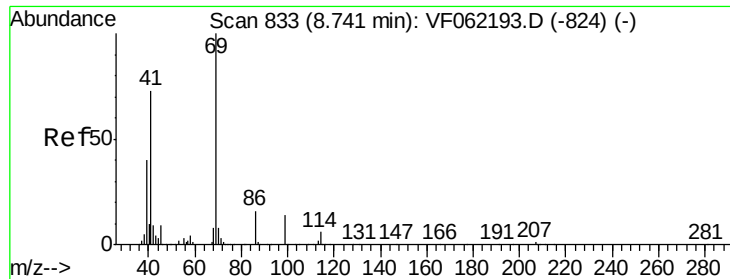
97 100

83 72.2 70.2 105.2

85 0.0 46.2 69.4#

99 0.0 52.2 78.4#





#56

Ethyl methacrylate

Concen: 24.622 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

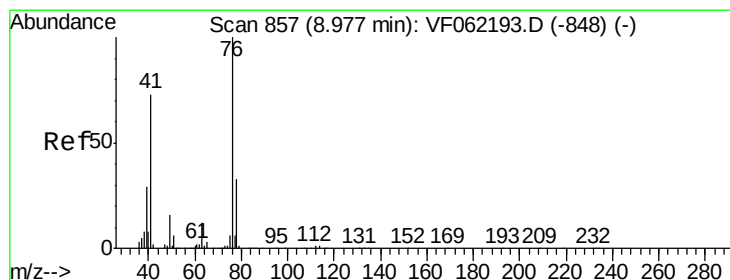
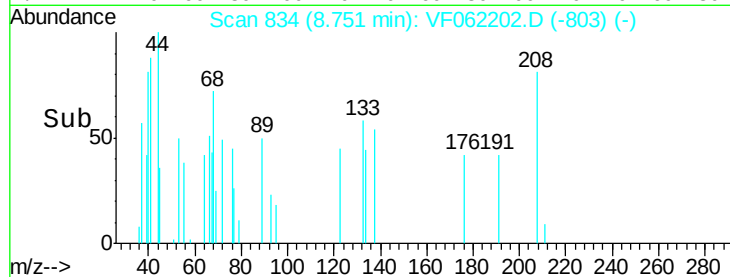
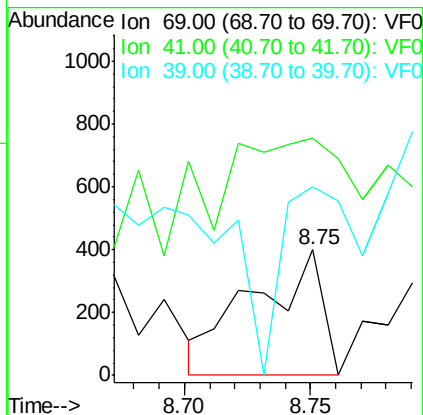
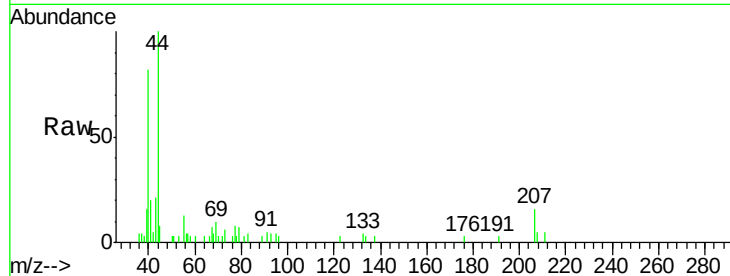
Tot Ion: 69 Resp: 764

Ion Ratio Lower Upper

69 100

41 178.1 61.5 92.3#

39 161.8 33.3 49.9#



#57

1,3-Dichloropropane

Concen: 2.178 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.03 min

Lab File: VF062202.D

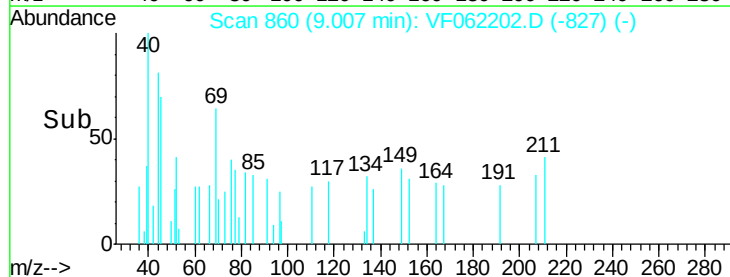
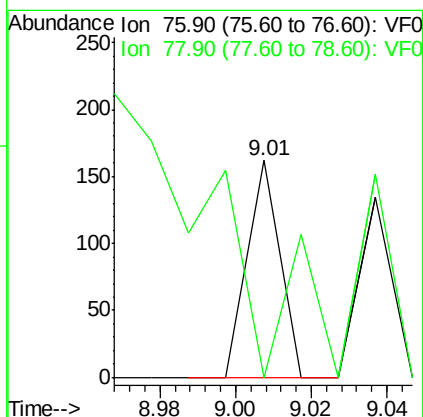
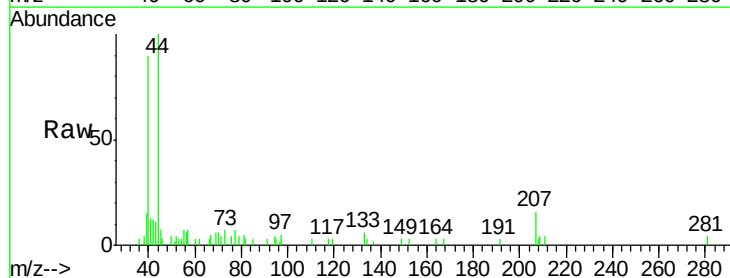
Acq: 18 Apr 2019 13:49

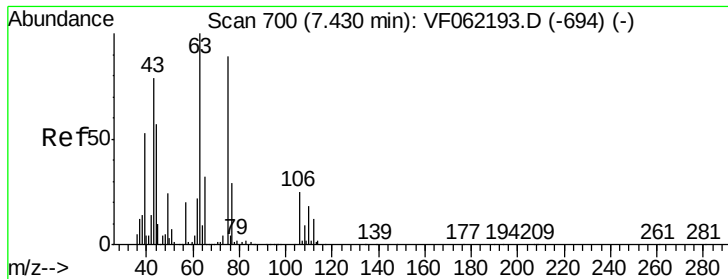
Tgt Ion: 76 Resp: 96

Ion Ratio Lower Upper

76 100

78 0.0 26.5 39.7#

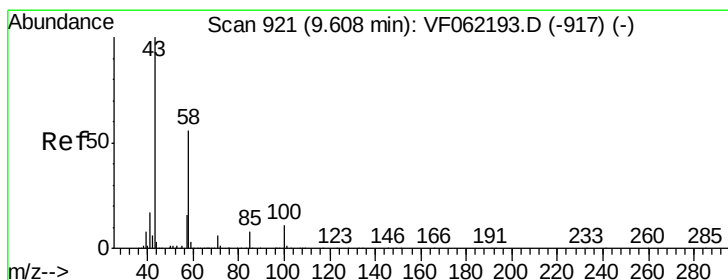
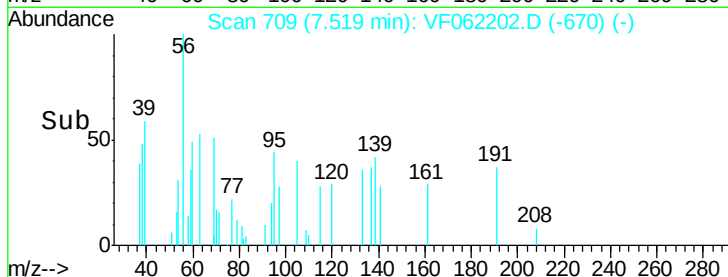
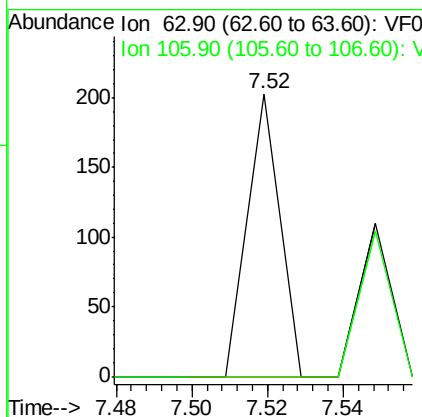
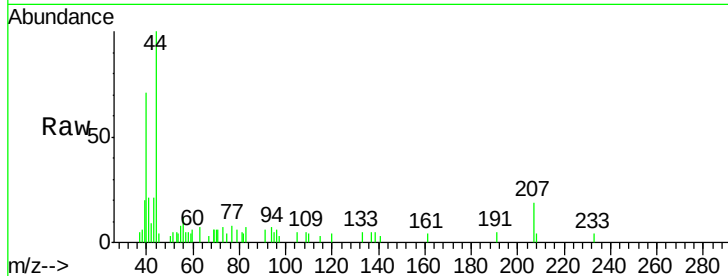




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.320 ug/l
 RT: 7.52 min Scan# 709
 Delta R.T. 0.09 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

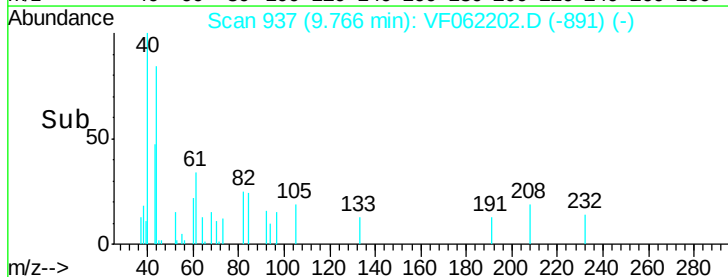
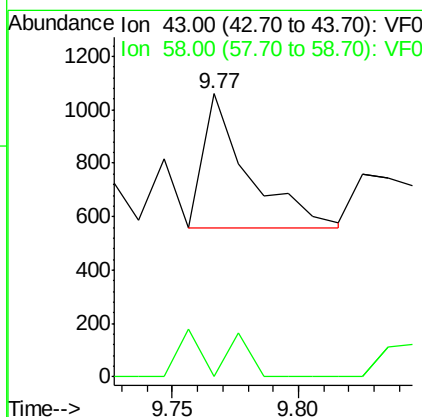
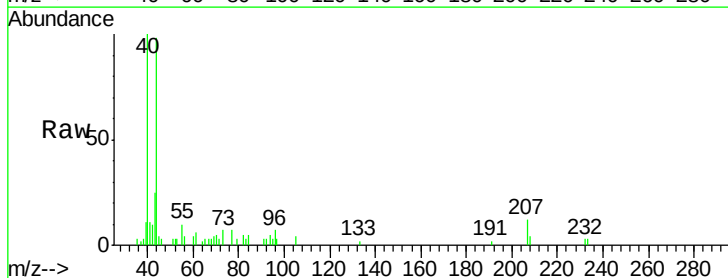
Instrument :
 MSVOA_F
 ClientSampleID :
 TP5-B

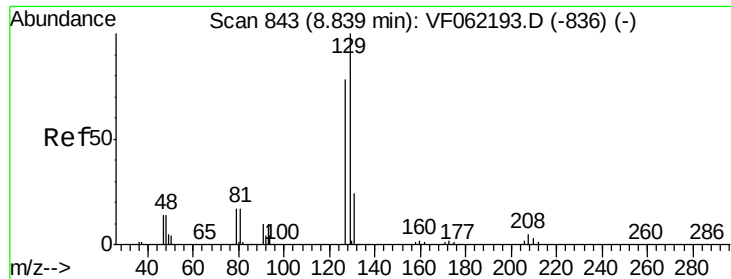
Tot Ion: 63 Resp: 120
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.4 32.0#



#59
 2-Hexanone
 Concen: 38.279 ug/l
 RT: 9.77 min Scan# 937
 Delta R.T. 0.16 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion: 43 Resp: 619
 Ion Ratio Lower Upper
 43 100
 58 32.5 24.6 74.0





#60

Dibromochloromethane

Concen: 1.454 ug/l

RT: 9.09 min Scan# 868

Delta R.T. 0.25 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

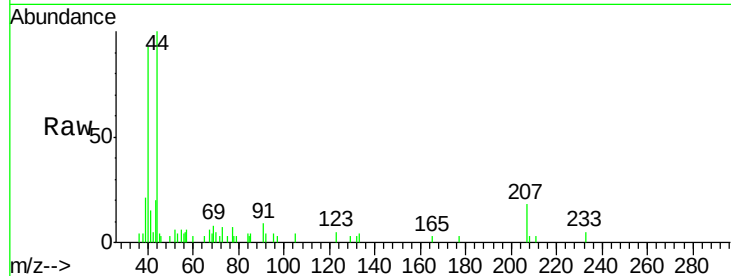
TP5-B

Tot Ion:129 Resp: 59

Ion Ratio Lower Upper

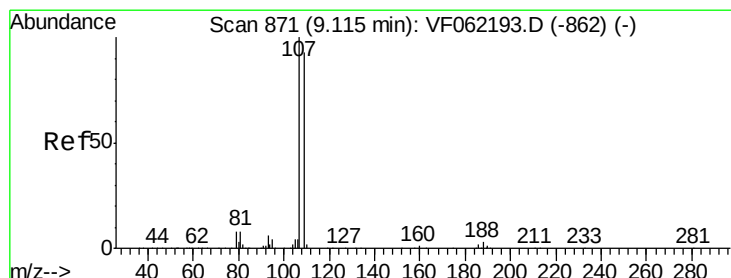
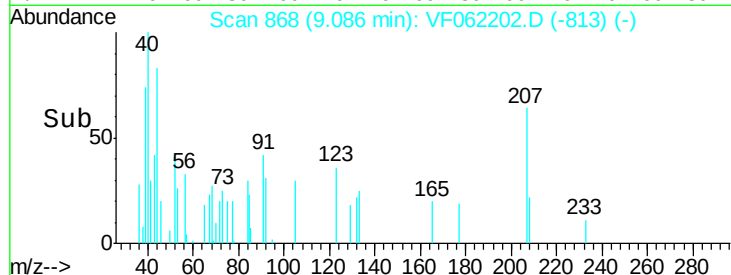
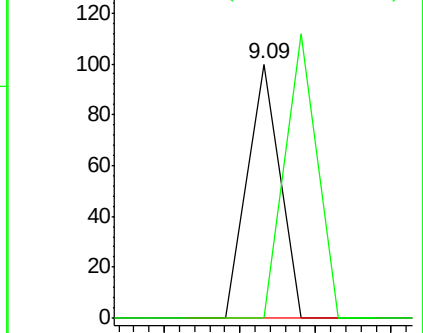
129 100

127 111.9 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 2.342 ug/l

RT: 9.20 min Scan# 880

Delta R.T. 0.09 min

Lab File: VF062202.D

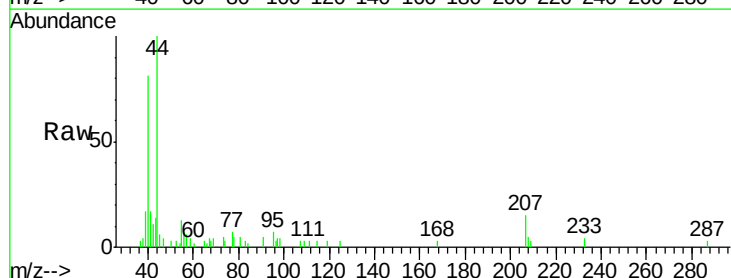
Acq: 18 Apr 2019 13:49

Tgt Ion:107 Resp: 72

Ion Ratio Lower Upper

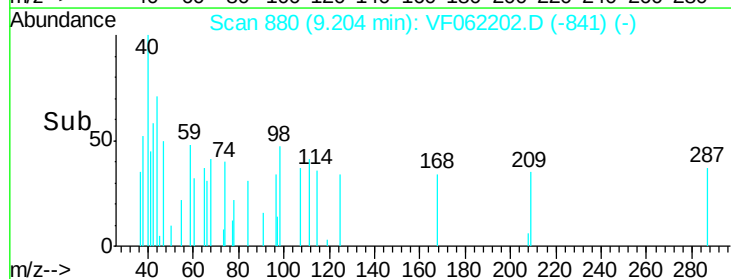
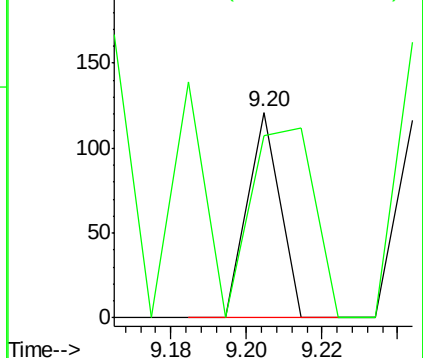
107 100

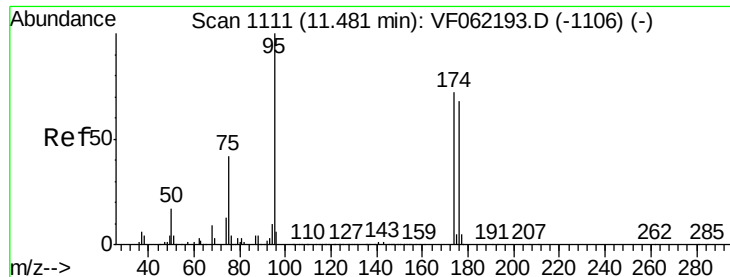
109 180.6 74.3 111.5#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 22.692 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.04 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

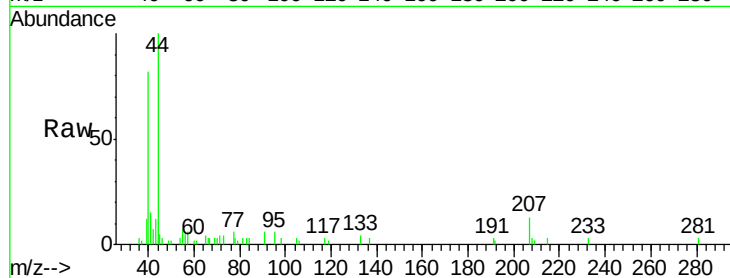
Tot Ion: 95 Resp: 1136

Ion Ratio Lower Upper

95 100

174 9.6 0.0 159.4

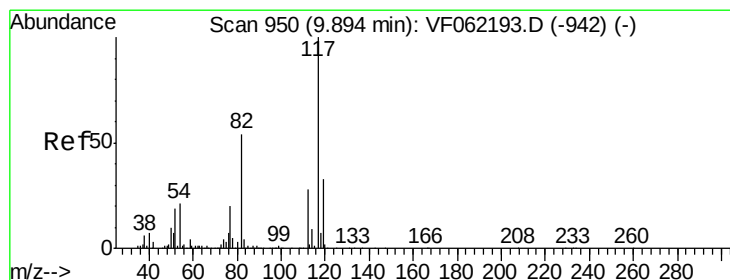
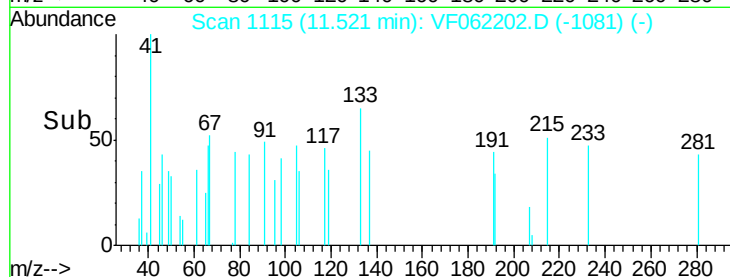
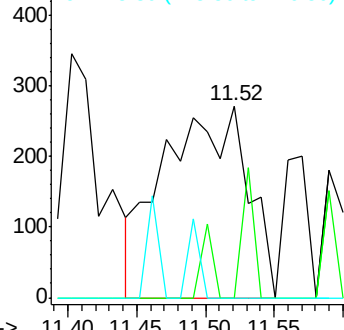
176 0.0 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

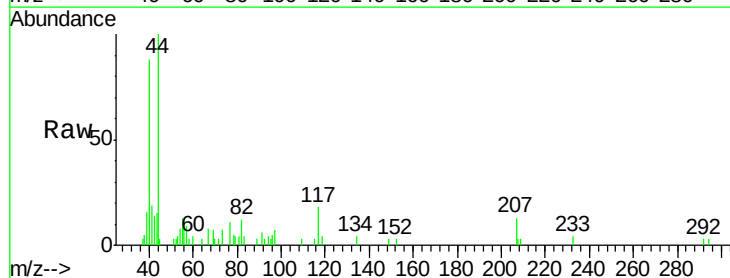
Tgt Ion: 117 Resp: 1964

Ion Ratio Lower Upper

117 100

82 45.4 43.2 64.8

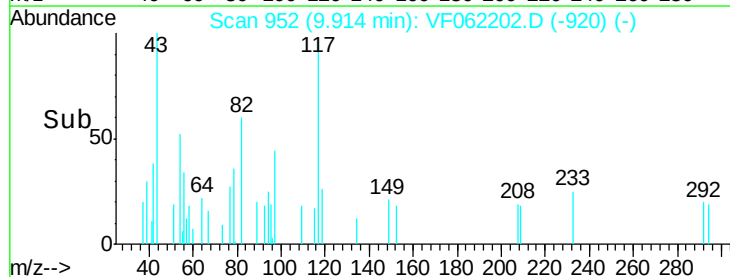
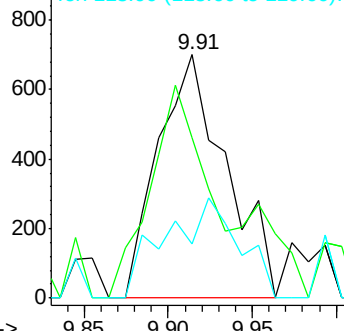
119 22.1 26.2 39.4#

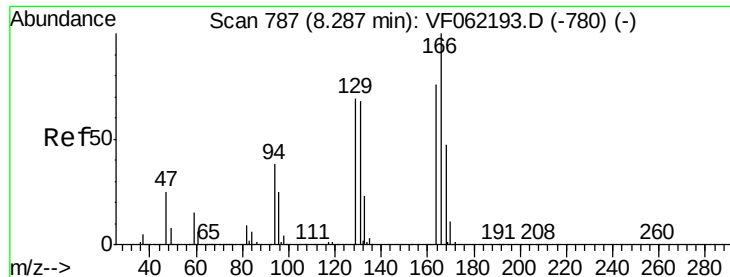


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.005 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.15 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

TP5-B

Tot Ion:164 Resp: 71

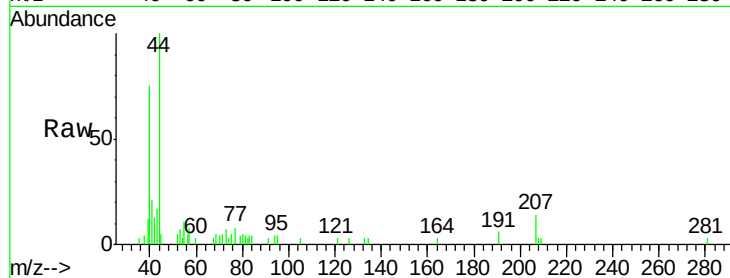
Ion Ratio Lower Upper

164 100

166 0.0 104.7 157.1#

129 0.0 72.6 109.0#

131 0.0 71.6 107.4#

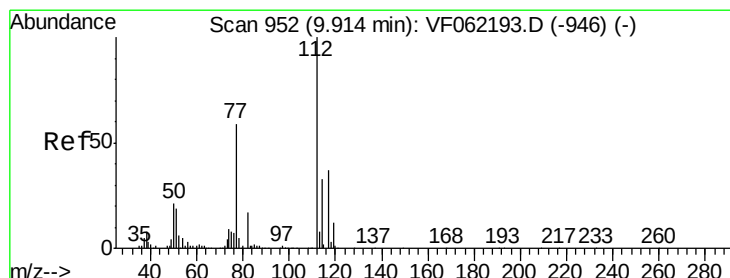
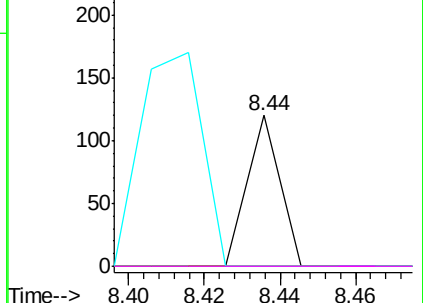
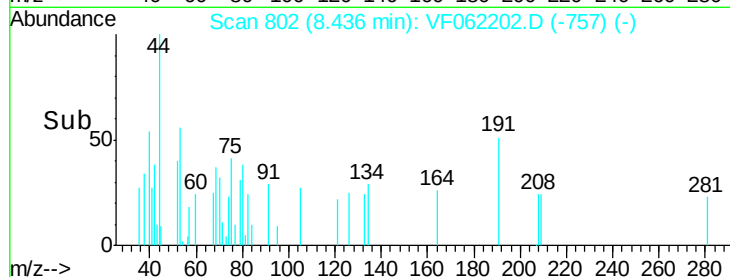


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.457 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062202.D

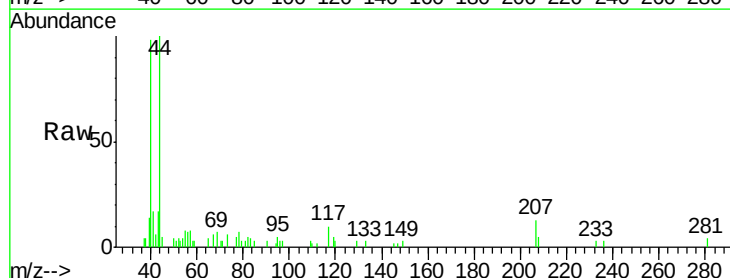
Acq: 18 Apr 2019 13:49

Tgt Ion:112 Resp: 61

Ion Ratio Lower Upper

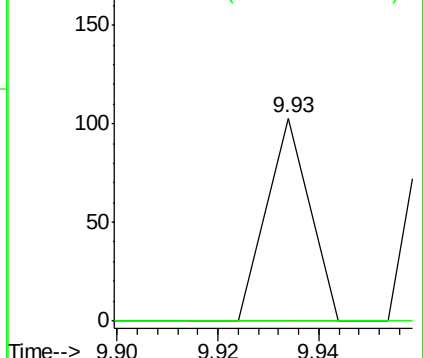
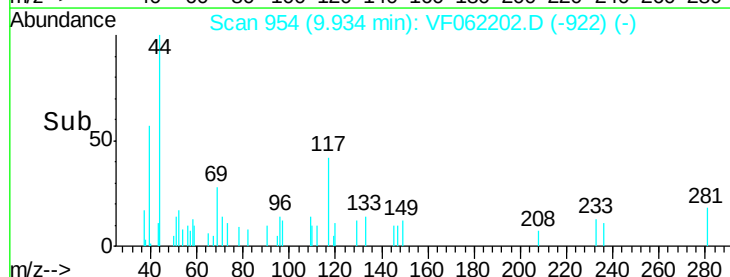
112 100

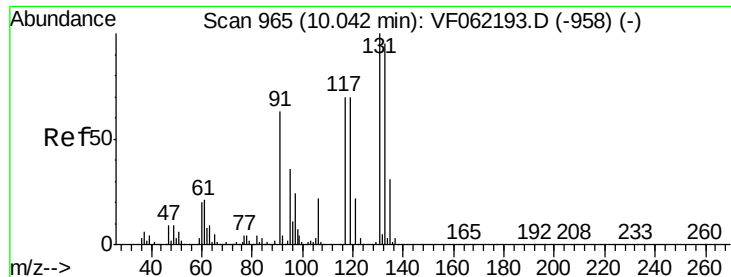
114 0.0 26.1 39.1#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 3.059 ug/l

RT: 9.94 min Scan# 955

Delta R.T. -0.10 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

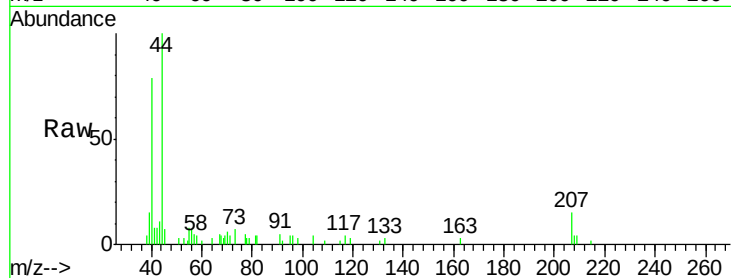
Tot Ion:131 Resp: 60

Ion Ratio Lower Upper

131 100

133 620.0 47.7 143.1#

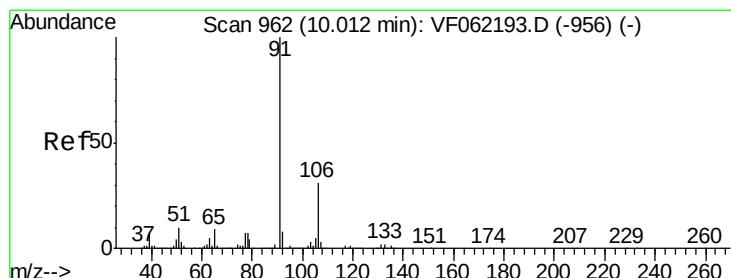
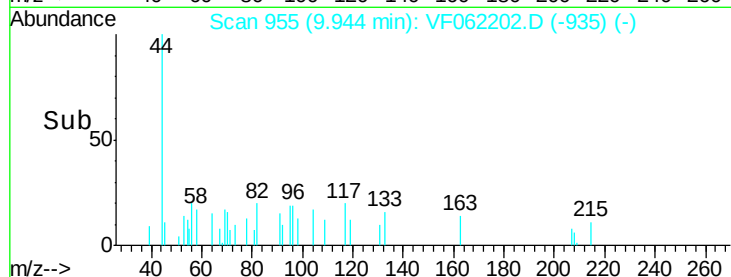
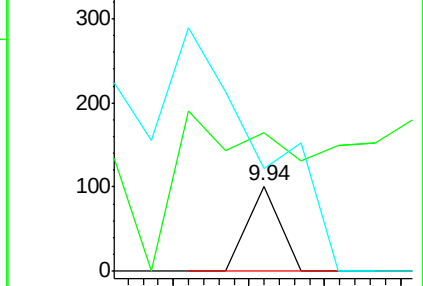
119 1458.3 34.6 103.9#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 4.425 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062202.D

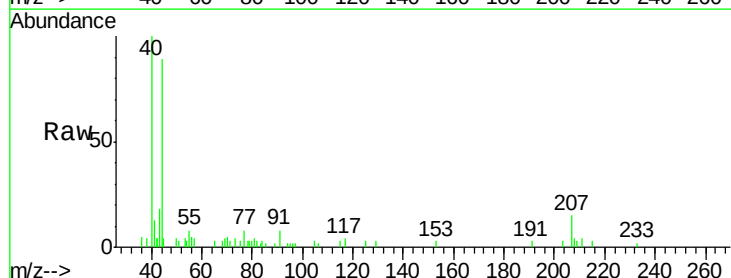
Acq: 18 Apr 2019 13:49

Tgt Ion: 91 Resp: 337

Ion Ratio Lower Upper

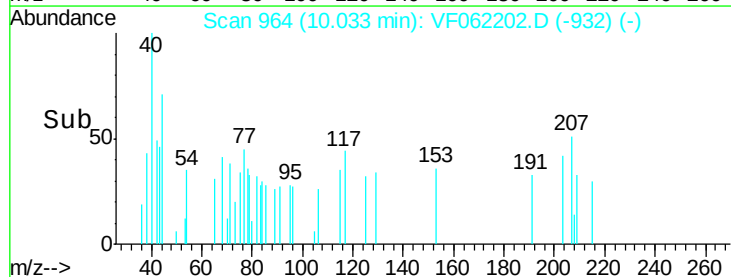
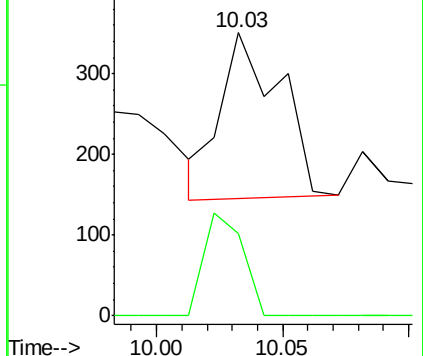
91 100

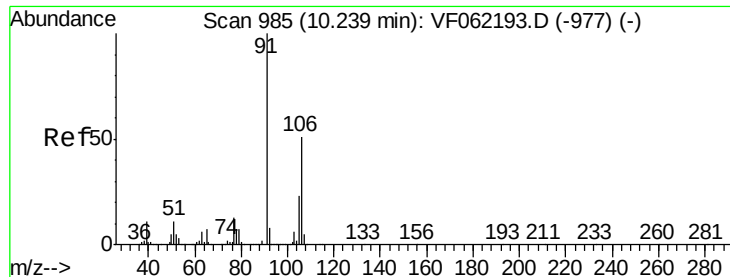
106 50.7 24.9 37.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

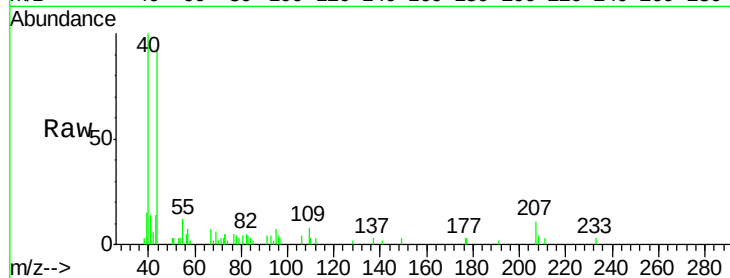




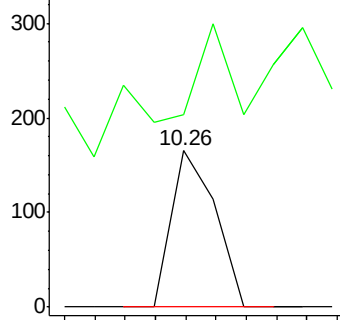
#68
m/p-Xylenes
Concen: 5.886 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampleId :
TP5-B

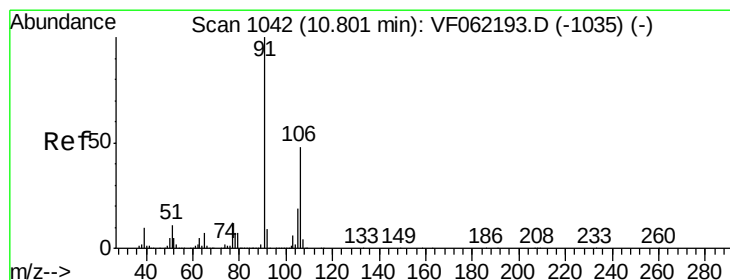
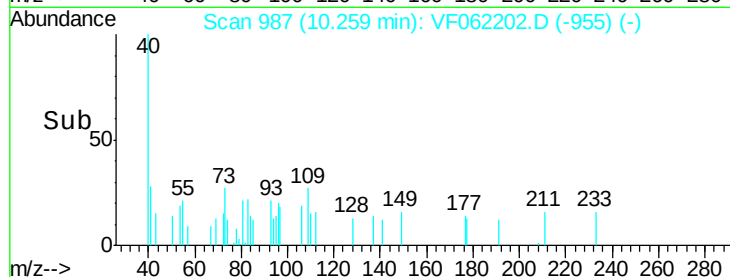
Tot Ion:106 Resp: 165
Ion Ratio Lower Upper
106 100
91 34.5 159.1 238.7#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

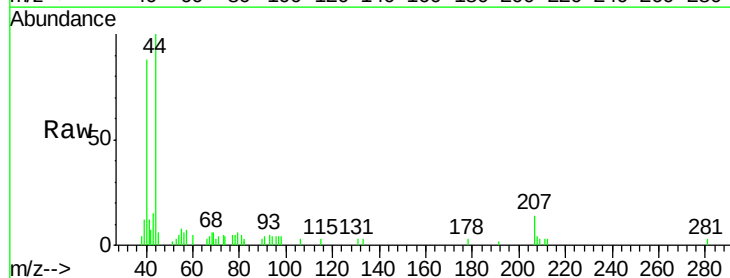


Time-->

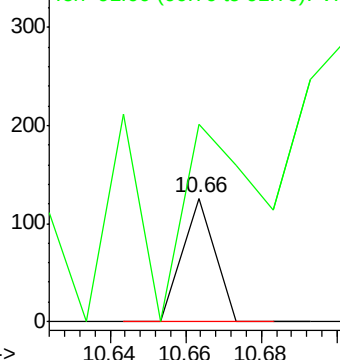


#69
o-Xylene
Concen: 2.410 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. -0.14 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

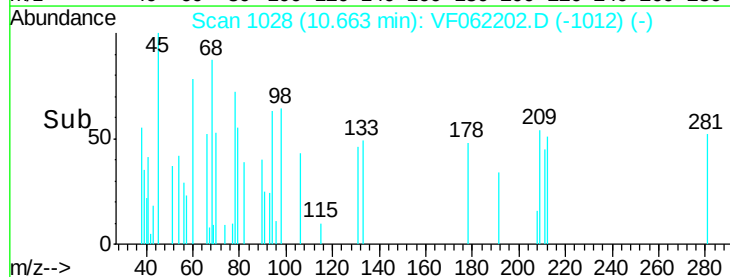
Tgt Ion:106 Resp: 75
Ion Ratio Lower Upper
106 100
91 166.7 107.5 322.4

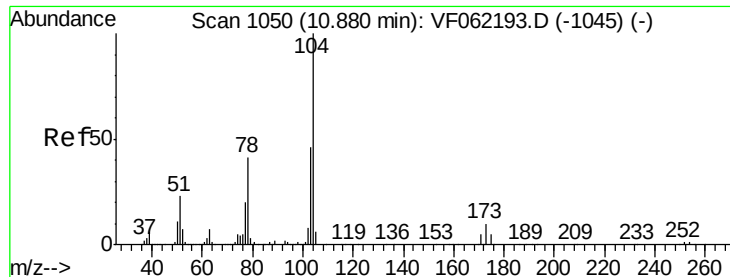


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



Time-->





#70

Stvrene

Concen: 1.616 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

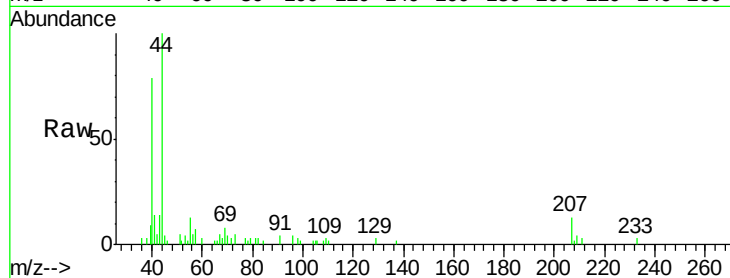
Tot Ion:104 Resp: 71

Ion Ratio Lower Upper

104 100

78 90.1 34.5 51.7#

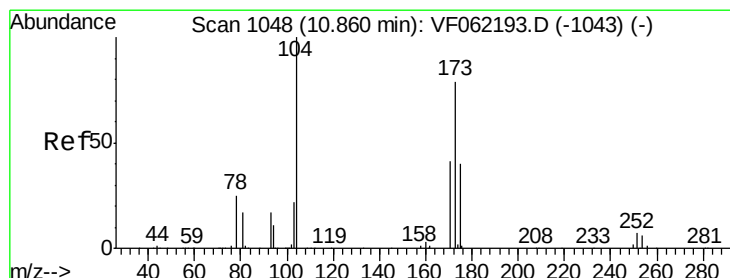
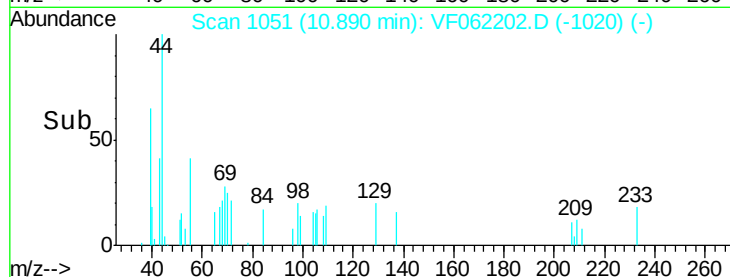
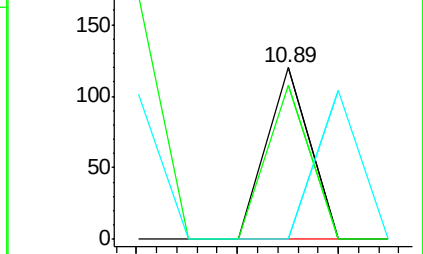
103 85.9 37.2 55.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 6.277 ug/l

RT: 10.61 min Scan# 1023

Delta R.T. -0.25 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

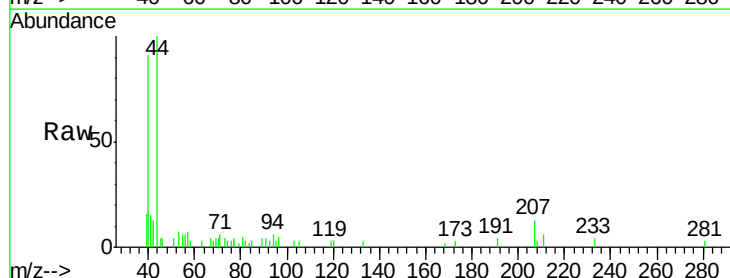
Tgt Ion:173 Resp: 65

Ion Ratio Lower Upper

173 100

175 0.0 24.5 73.5#

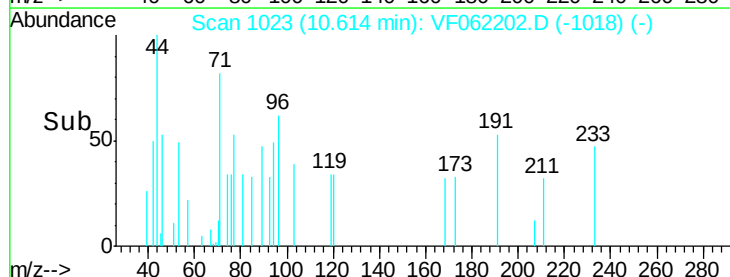
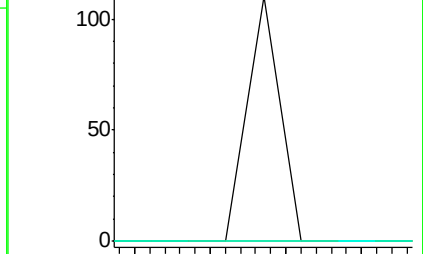
254 0.0 0.1 0.1#

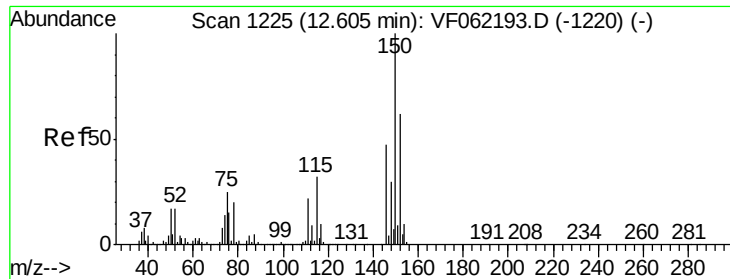


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



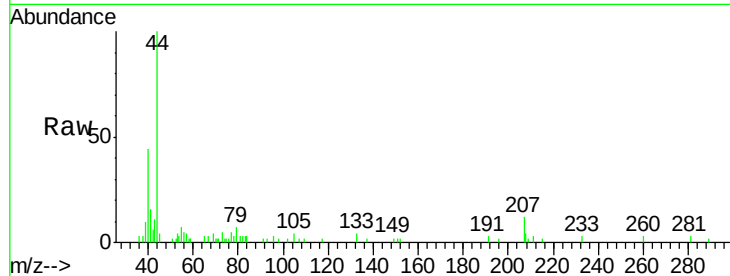


#72

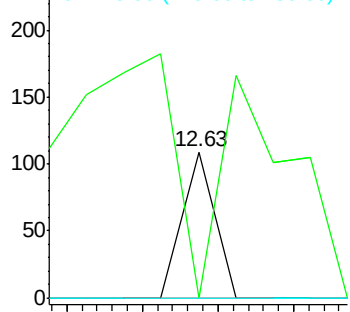
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.03 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Instrument :
MSVOA_F
ClientSampled :
TP5-B

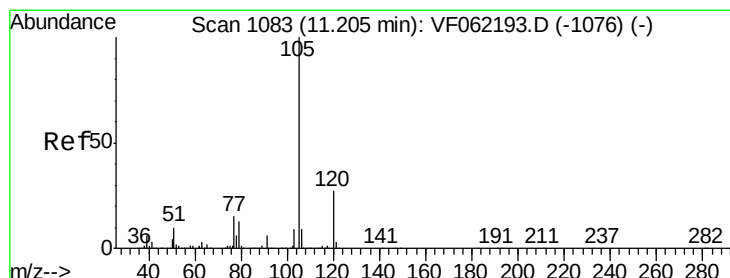
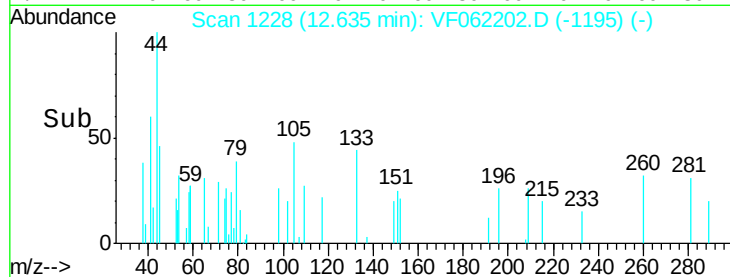
Tot Ion	Ratio	Lower	Upper
152	100		
115	343.8	27.8	83.3#
150	0.0	0.0	341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



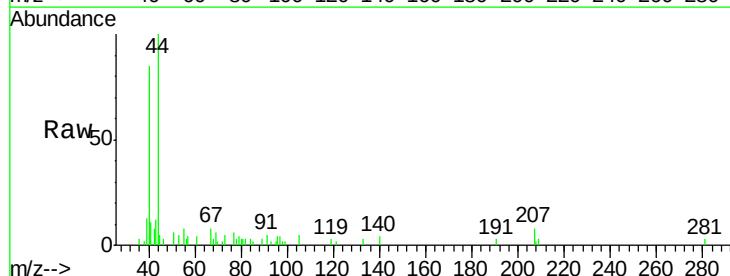
Time-->



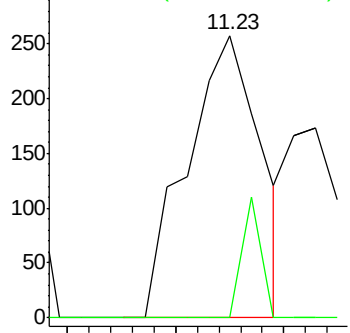
#73

Isopropylbenzene
Concen: 110.775 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

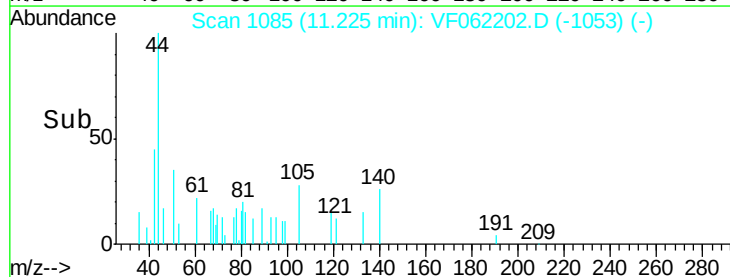
Tgt Ion	Ratio	Lower	Upper
105	100		
120	10.7	13.0	38.9#

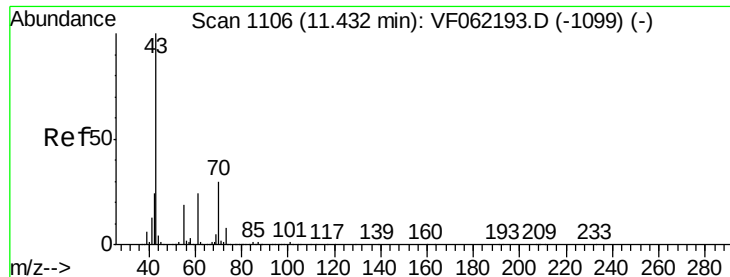


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#74

N-amvl acetate

Concen: 858.109 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.06 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

TP5-B

Tot Ion: 43 Resp: 1073

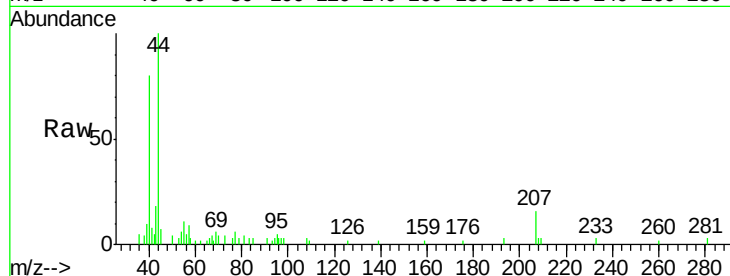
Ion Ratio Lower Upper

43 100

70 38.6 27.0 40.4

55 51.6 15.7 23.5#

61 0.0 20.8 31.2#

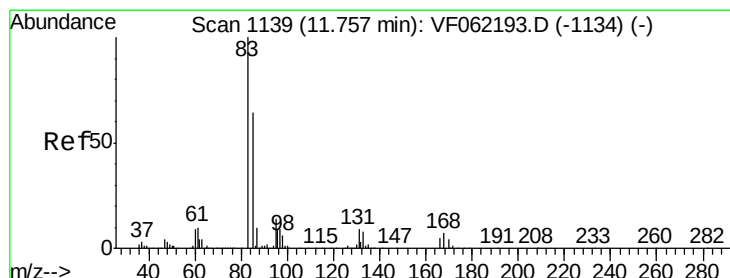
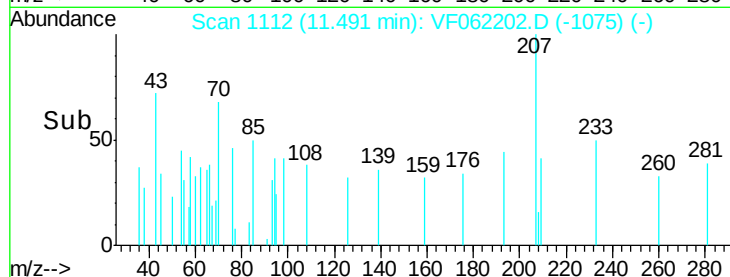
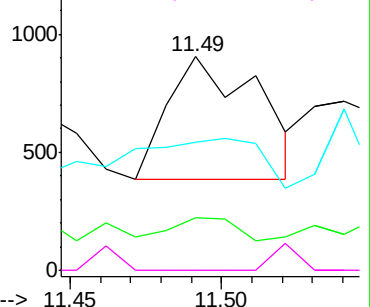


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 775.281 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.03 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

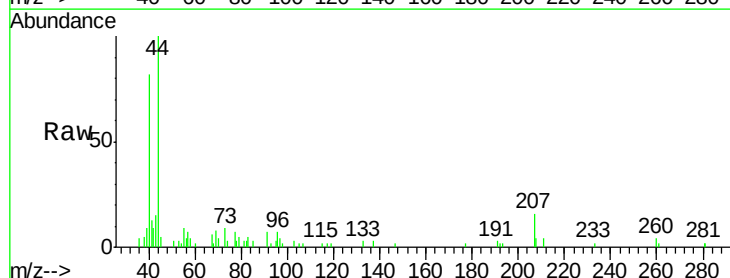
Tgt Ion: 83 Resp: 733

Ion Ratio Lower Upper

83 100

131 10.0 4.5 13.5

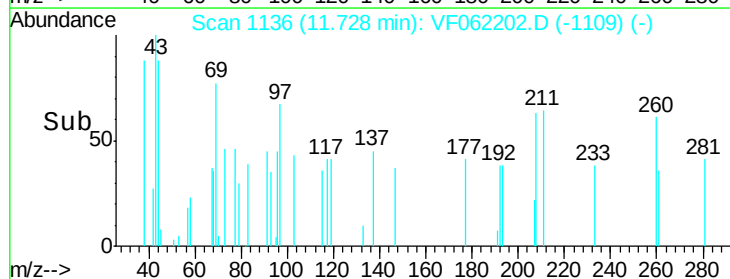
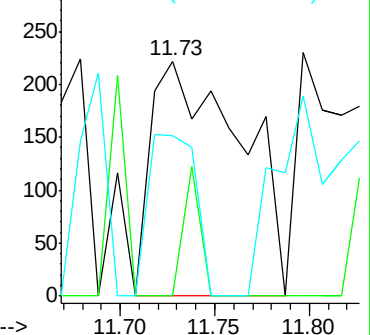
85 35.9 34.7 104.1

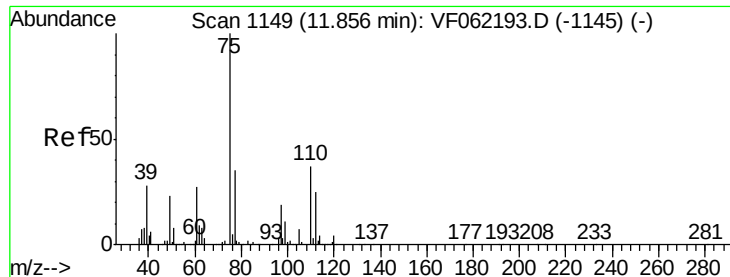


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 115.299 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

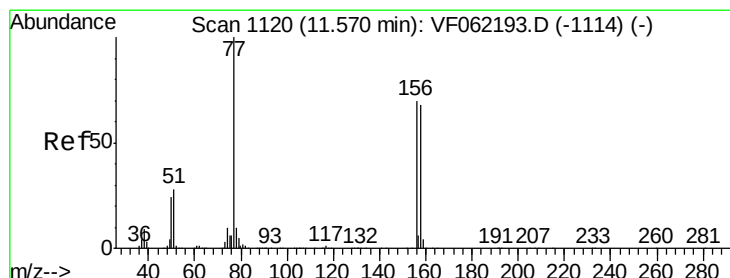
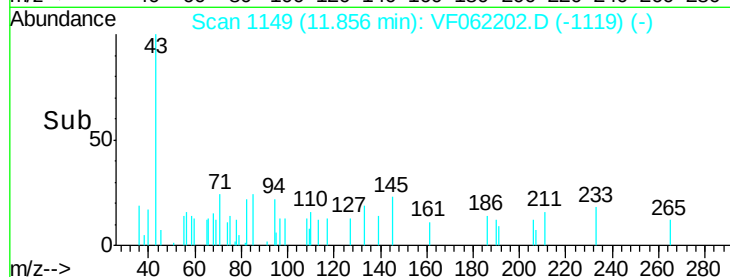
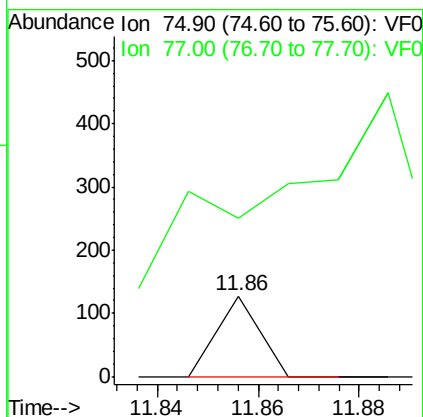
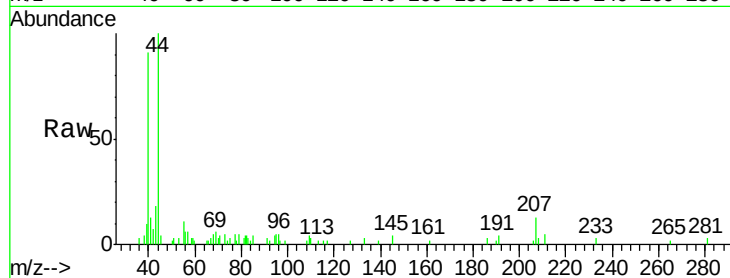
TP5-B

Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

77 0.0 7.4 22.2#



#77

Bromobenzene

Concen: 54.343 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

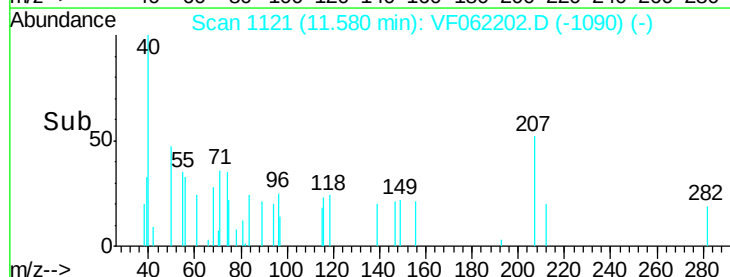
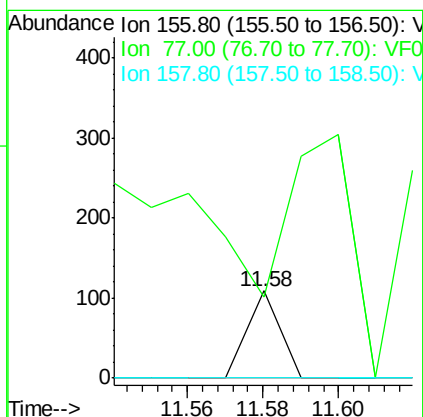
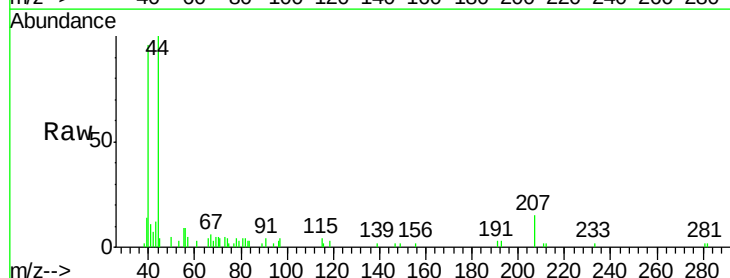
Tgt Ion: 156 Resp: 64

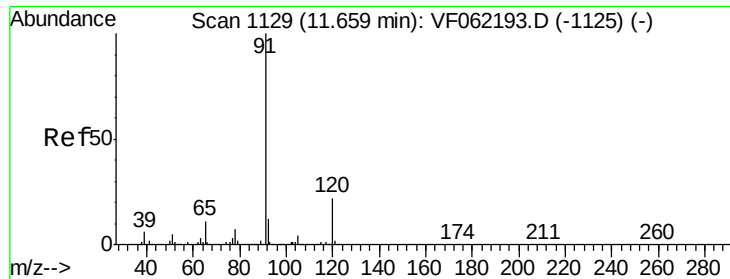
Ion Ratio Lower Upper

156 100

77 537.5 80.9 242.7#

158 0.0 49.8 149.4#





#78

n-propylbenzene

Concen: 87.766 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

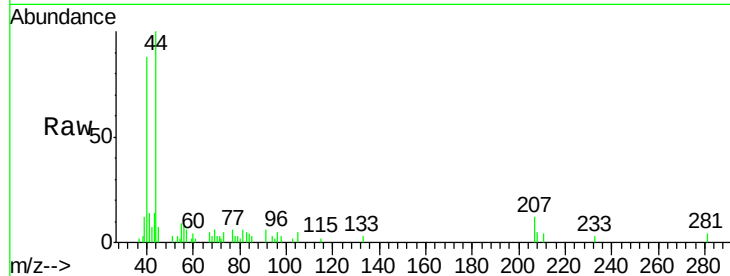
TP5-B

Tot Ion: 91 Resp: 509

Ion Ratio Lower Upper

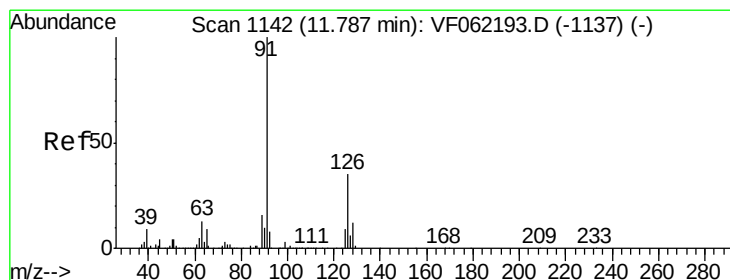
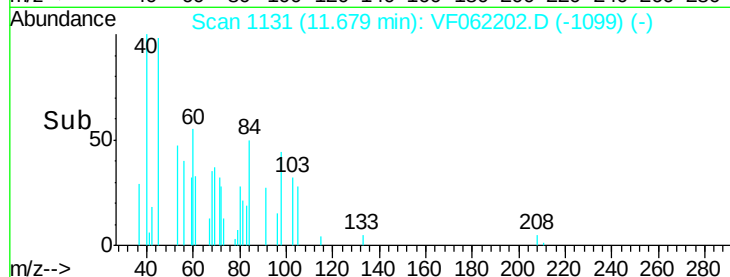
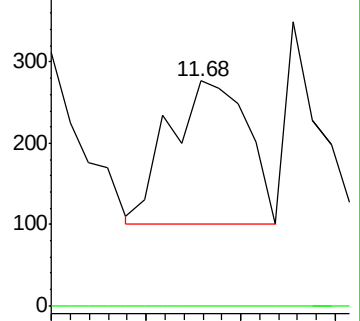
91 100

120 0.0 11.2 33.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 106.027 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VF062202.D

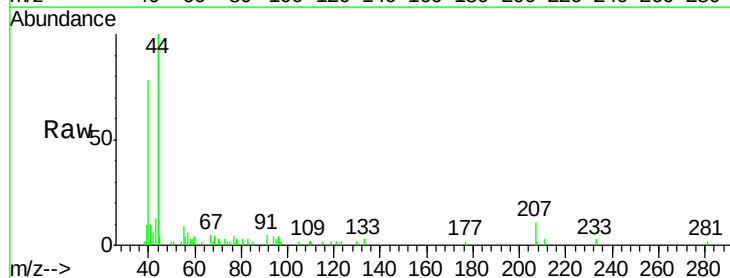
Acq: 18 Apr 2019 13:49

Tgt Ion: 91 Resp: 373

Ion Ratio Lower Upper

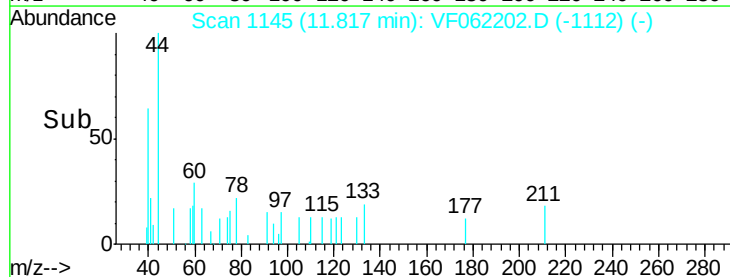
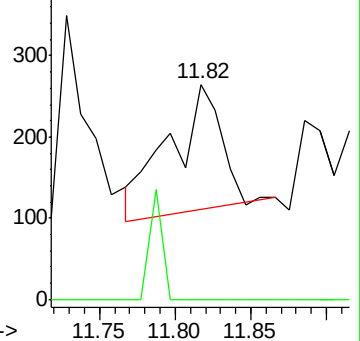
91 100

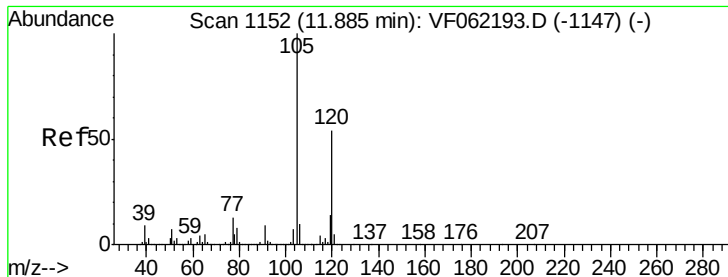
126 0.0 16.9 50.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

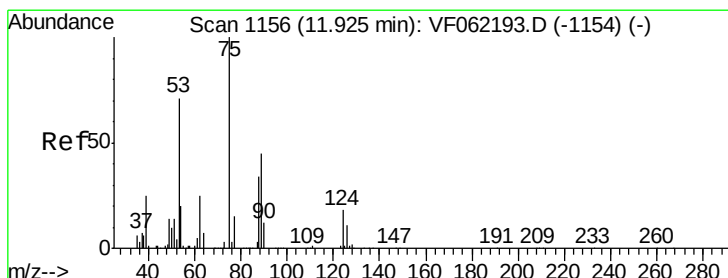
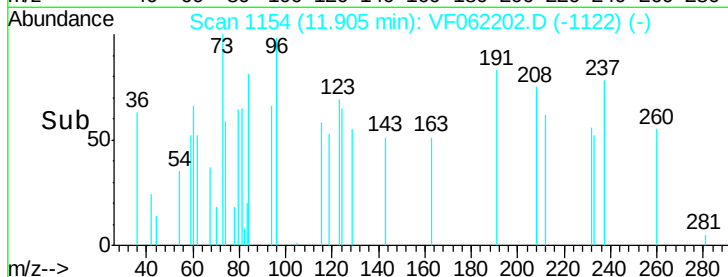
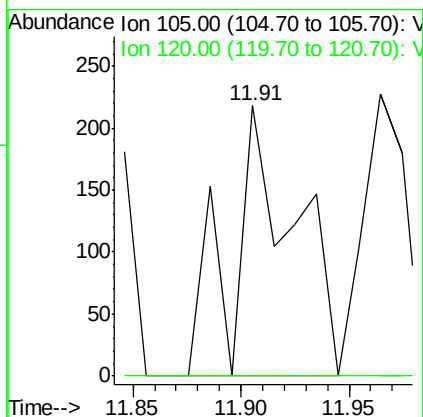
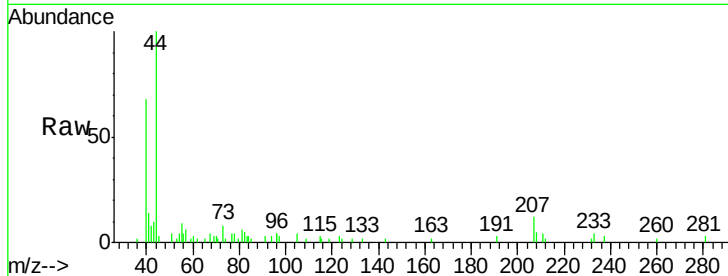




#80
 1,3,5-Trimethylbenzene
 Concen: 96.312 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

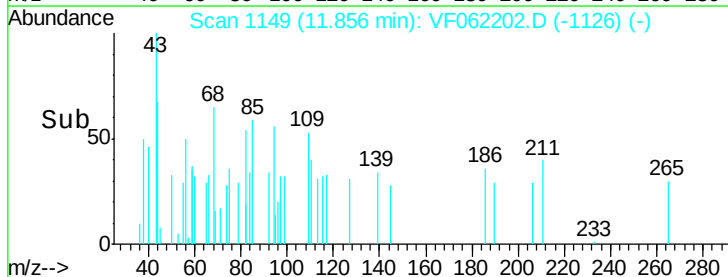
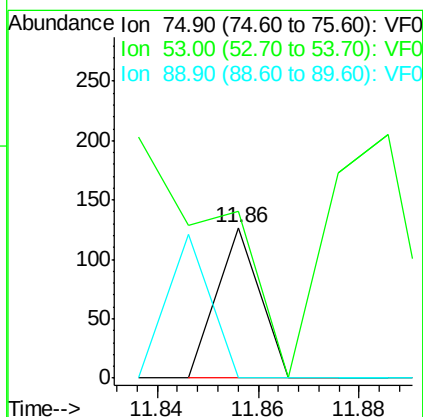
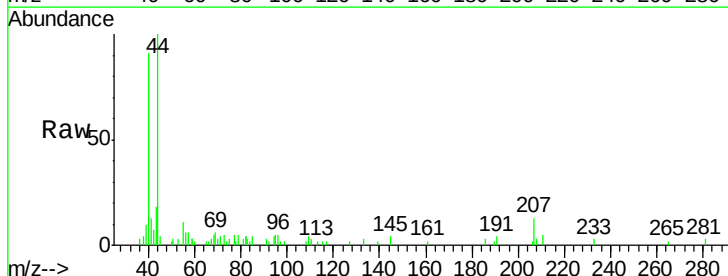
Instrument :
 MSVOA_F
 ClientSampled :
 TP5-B

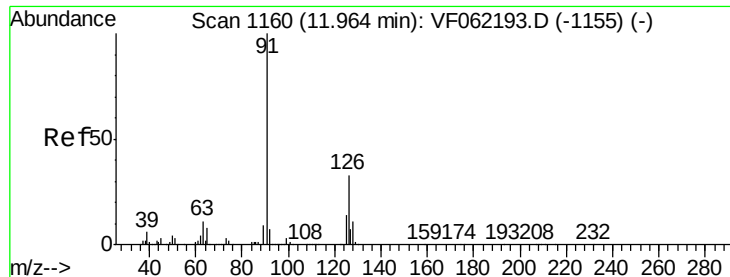
Tot Ion:105 Resp: 441
 Ion Ratio Lower Upper
 105 100
 120 0.0 26.2 78.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 226.078 ug/l
 RT: 11.86 min Scan# 1149
 Delta R.T. -0.07 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion: 75 Resp: 75
 Ion Ratio Lower Upper
 75 100
 53 0.0 50.2 75.4#
 89 184.0 0.0 0.0#

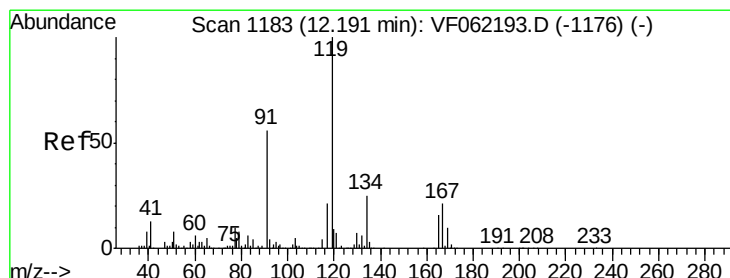
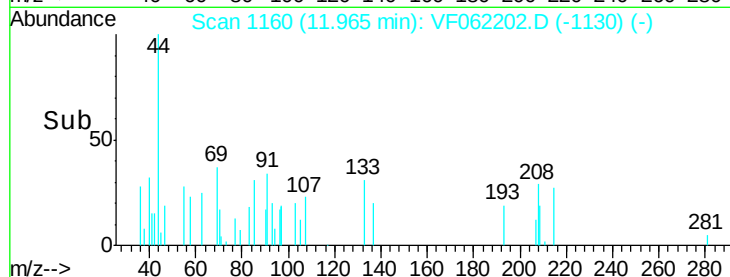
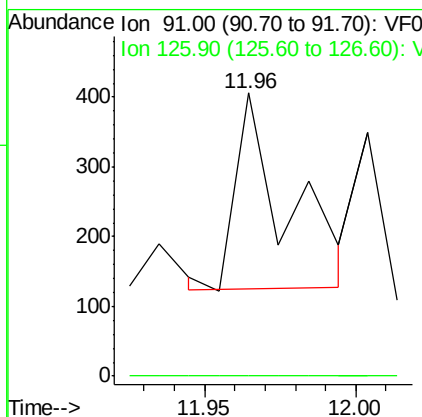
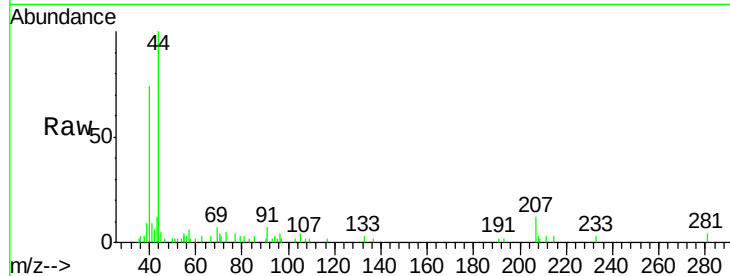




#82
4-Chlorotoluene
Concen: 96.768 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

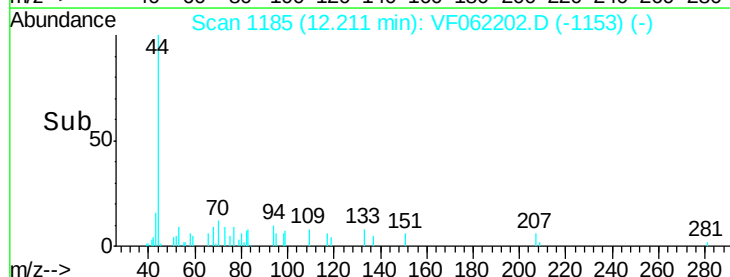
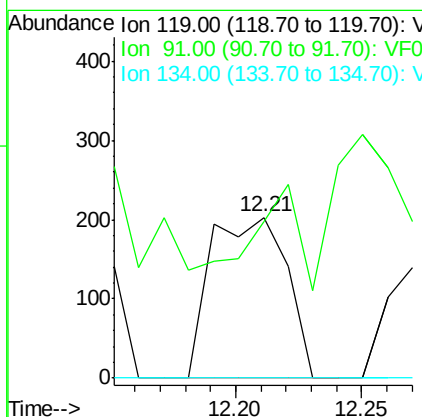
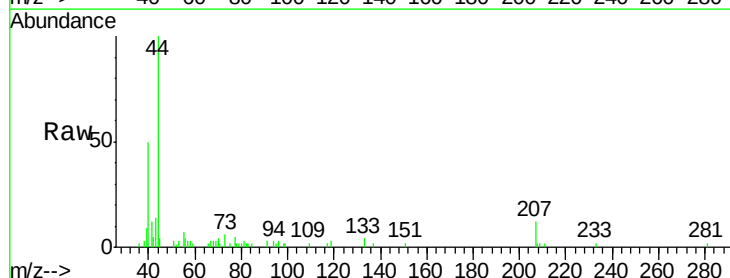
Instrument :
MSVOA_F
ClientSampleId :
TP5-B

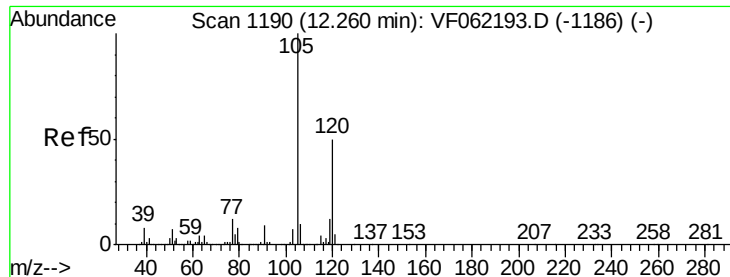
Tot Ion: 91 Resp: 329
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#83
tert-Butylbenzene
Concen: 89.544 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VF062202.D
Acq: 18 Apr 2019 13:49

Tgt Ion: 119 Resp: 424
Ion Ratio Lower Upper
119 100
91 36.3 29.4 88.2
134 0.0 11.8 35.3#

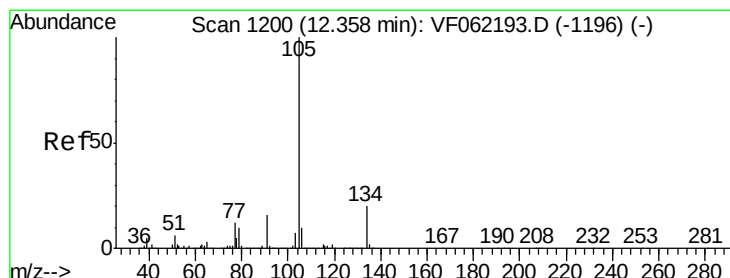
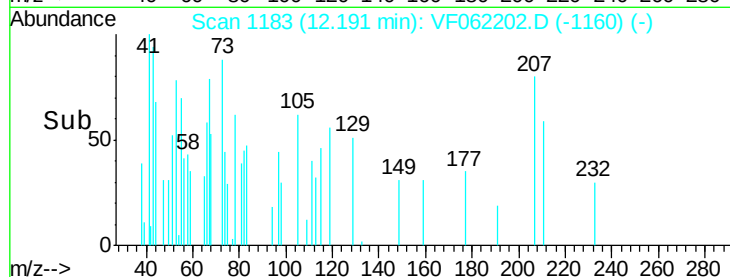
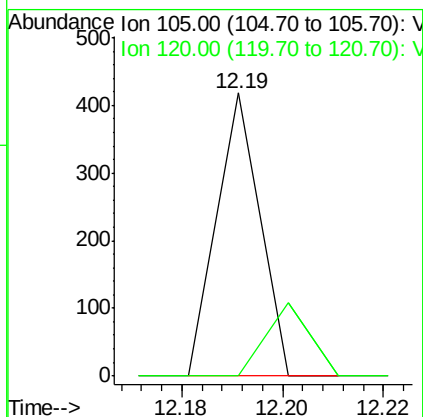
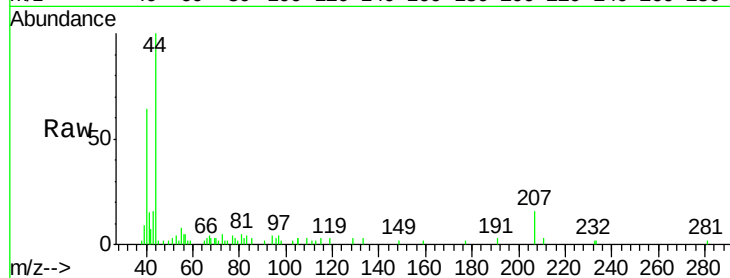




#84
 1,2,4-Trimethylbenzene
 Concen: 55.744 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.07 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

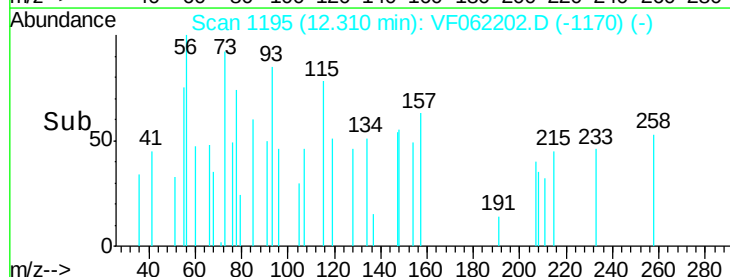
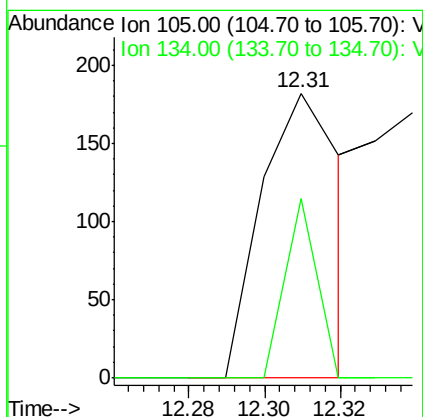
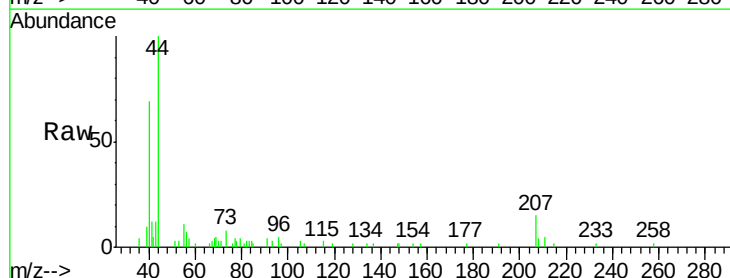
Instrument :
 MSVOA_F
 ClientSampled :
 TP5-B

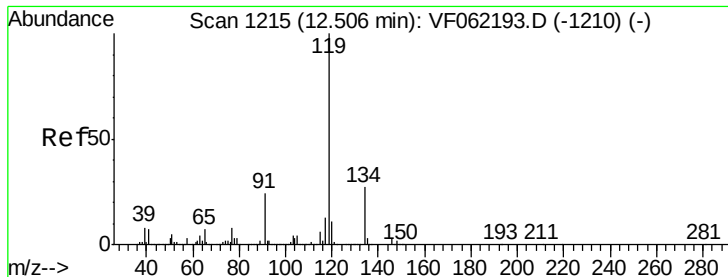
Tot Ion:105 Resp: 247
 Ion Ratio Lower Upper
 105 100
 120 25.9 24.0 72.0



#85
 sec-Butylbenzene
 Concen: 43.758 ug/l
 RT: 12.31 min Scan# 1195
 Delta R.T. -0.05 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion:105 Resp: 269
 Ion Ratio Lower Upper
 105 100
 134 25.3 9.7 29.1





#86

p-Isopropyltoluene

Concen: 41.229 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

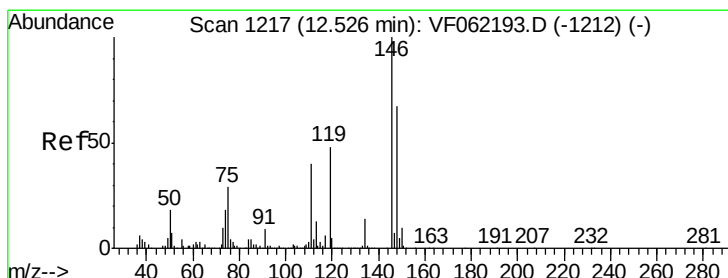
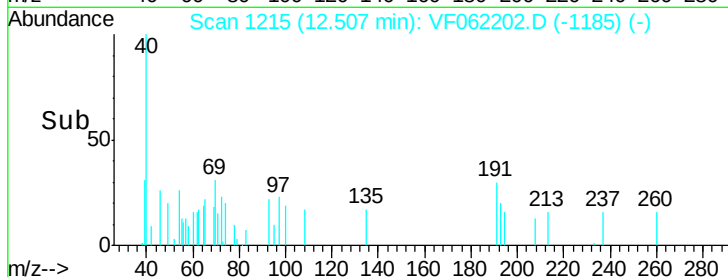
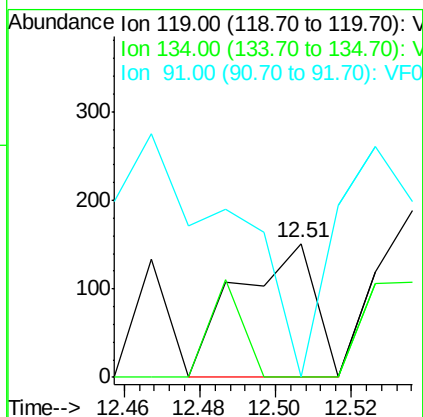
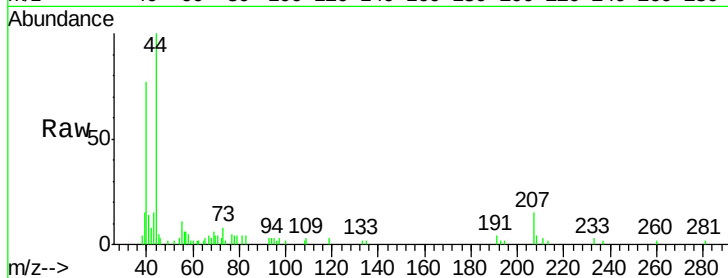
Instrument :

MSVOA_F

ClientSampled :

TP5-B

Tot Ion:119	Resp:	215
Ion	Ratio	Lower Upper
119	100	
134	30.2	13.2 39.5
91	0.0	11.7 35.1#



#87

1,3-Dichlorobenzene

Concen: 33.860 ug/l

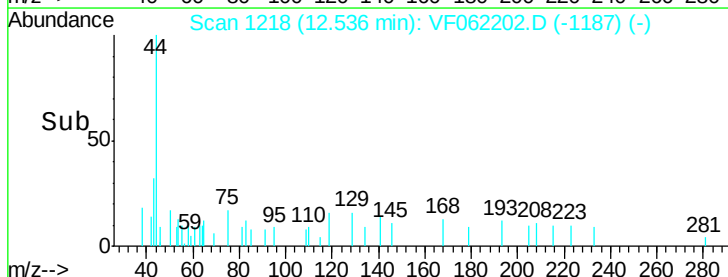
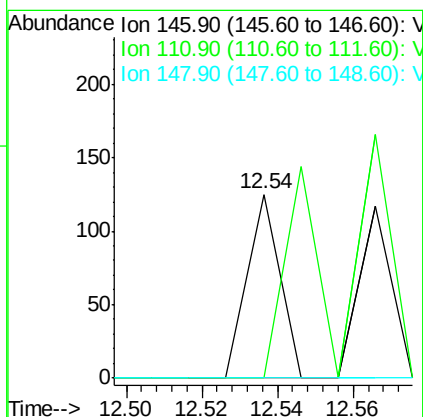
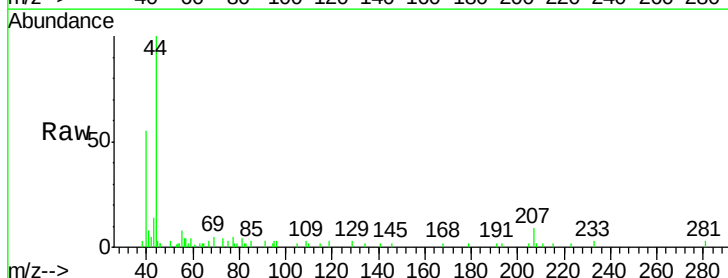
RT: 12.54 min Scan# 1218

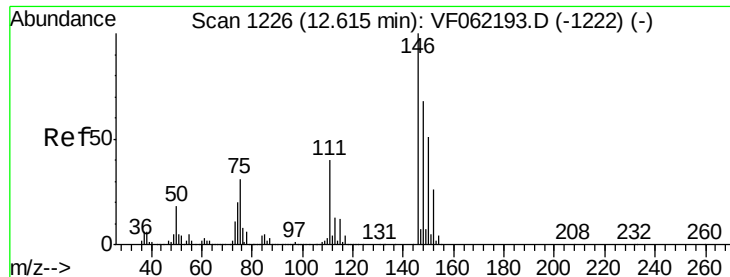
Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion:146	Resp:	74
Ion	Ratio	Lower Upper
146	100	
111	114.9	19.7 59.0#
148	0.0	32.9 98.6#

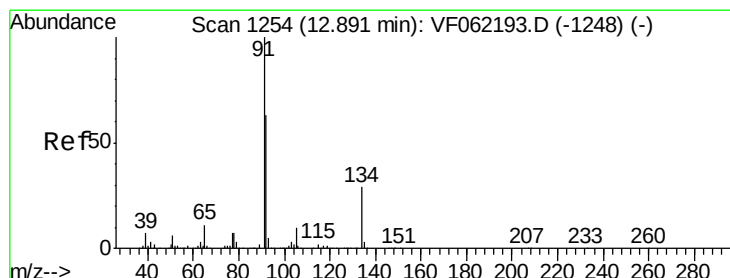
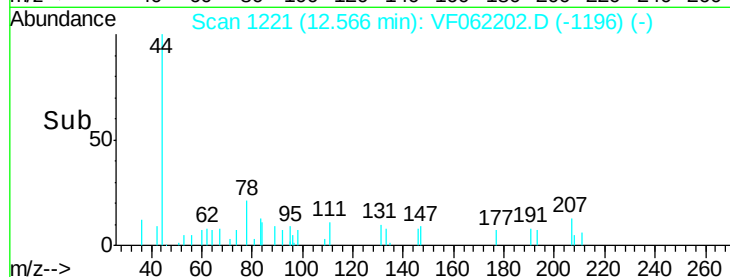
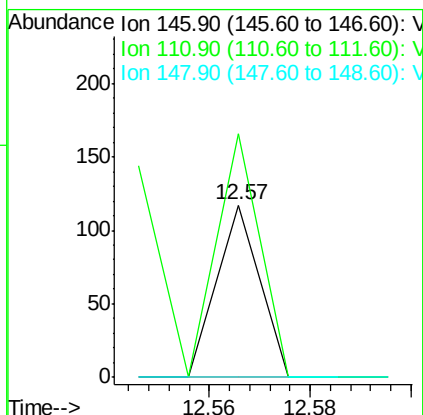
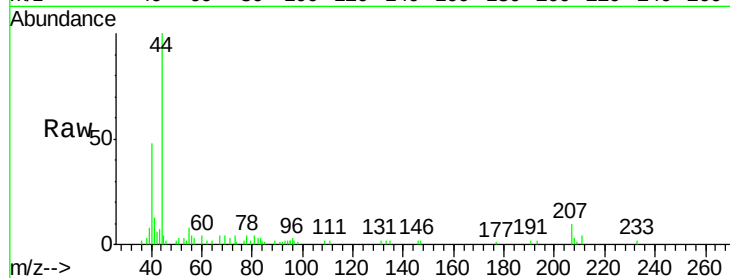




#88
 1,4-Dichlorobenzene
 Concen: 32.733 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. -0.05 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

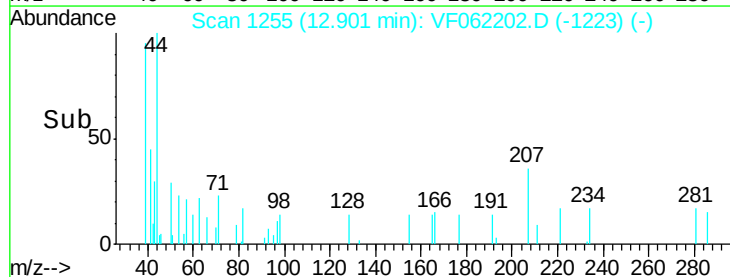
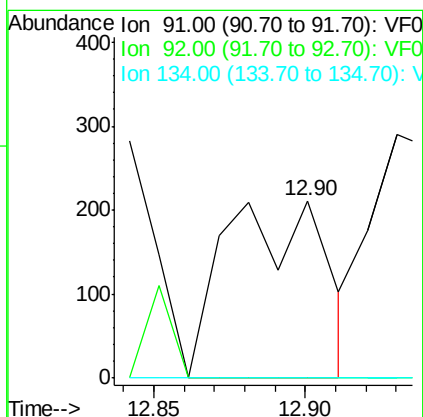
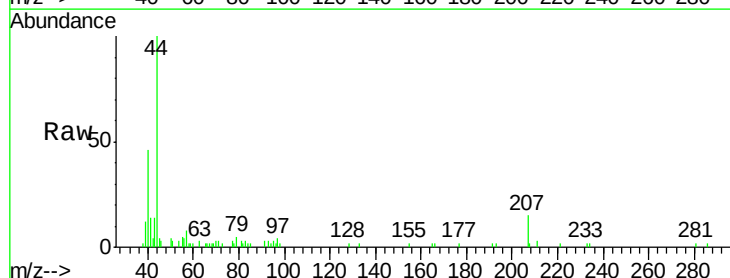
Instrument :
 MSVOA_F
 ClientSampled :
 TP5-B

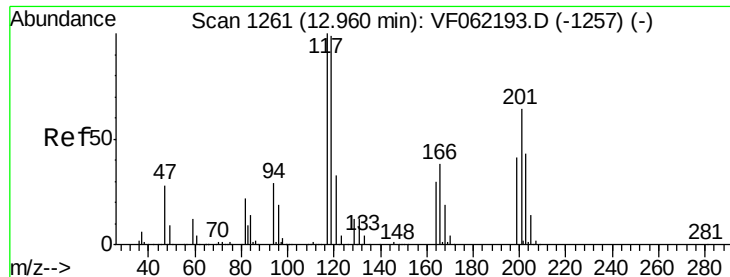
Tot Ion:146 Resp: 69
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.0 60.0#
 148 0.0 33.6 100.8#



#89
 n-Butylbenzene
 Concen: 120.658 ug/l
 RT: 12.90 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VF062202.D
 Acq: 18 Apr 2019 13:49

Tgt Ion: 91 Resp: 486
 Ion Ratio Lower Upper
 91 100
 92 0.0 31.2 93.6#
 134 0.0 13.1 39.1#





#90

Hexachloroethane

Concen: 377.869 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampled :

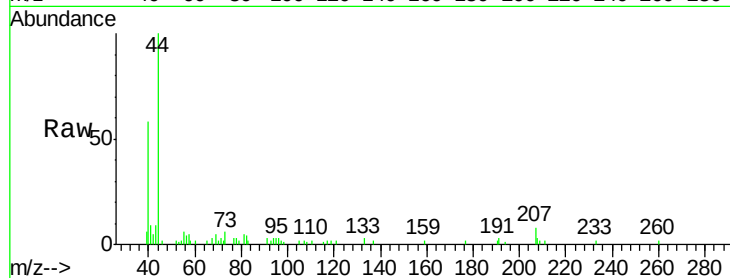
TP5-B

Tot Ion:117 Resp: 506

Ion Ratio Lower Upper

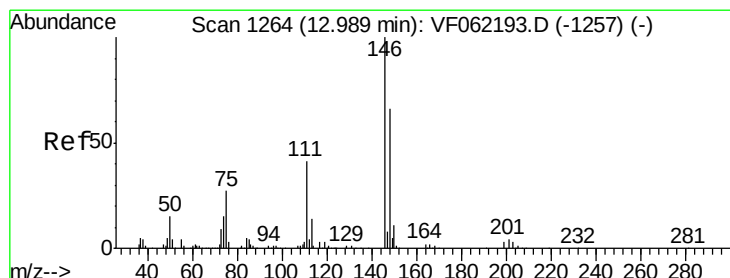
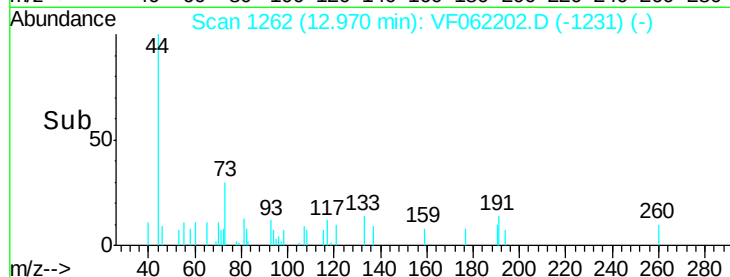
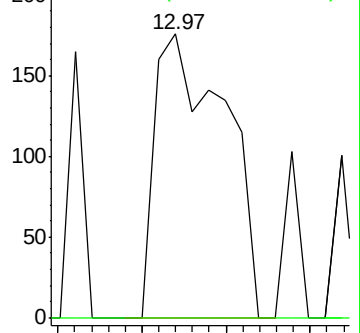
117 100

201 0.0 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 36.015 ug/l

RT: 12.86 min Scan# 1251

Delta R.T. -0.13 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

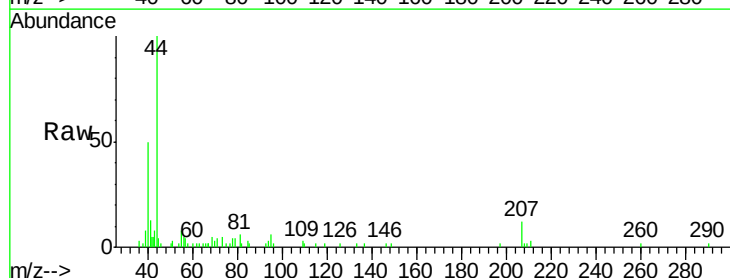
Tgt Ion:146 Resp: 76

Ion Ratio Lower Upper

146 100

111 90.8 20.8 62.5#

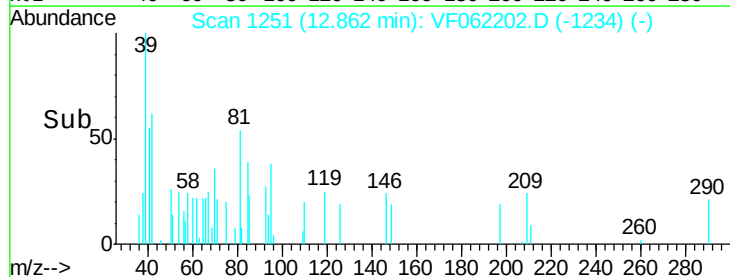
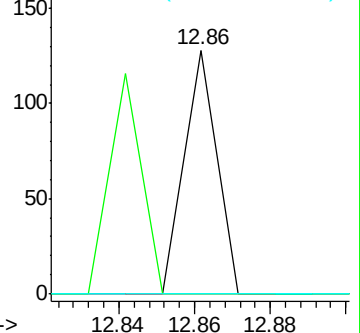
148 0.0 33.0 99.0#

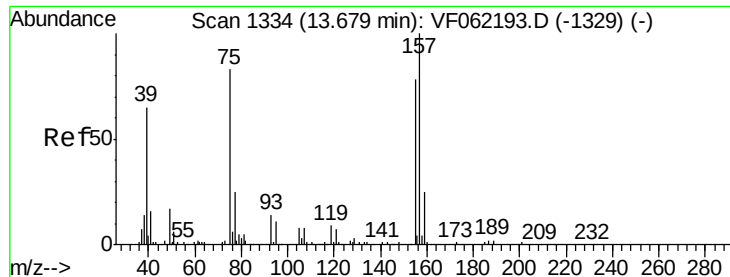


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1798.036 ug/l

RT: 13.66 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Instrument :

MSVOA_F

ClientSampleId :

TP5-B

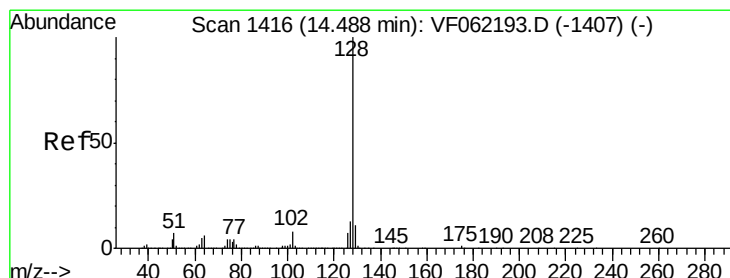
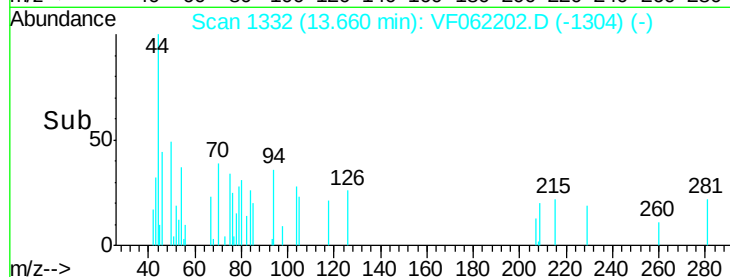
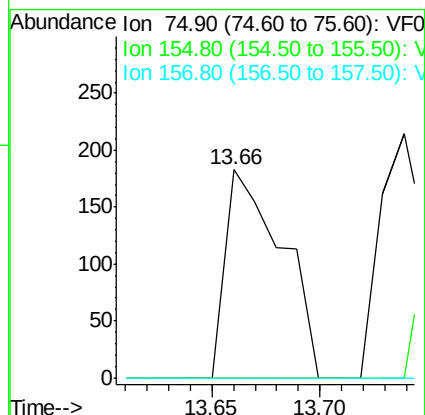
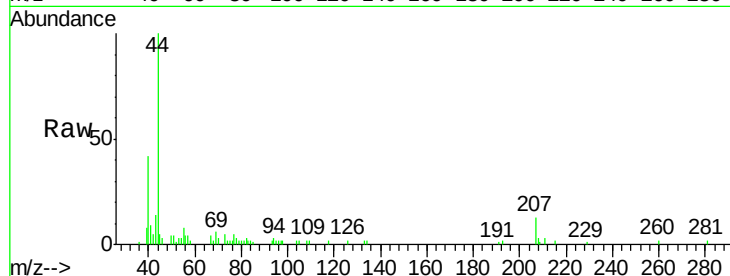
Tot Ion: 75 Resp: 334

Ion Ratio Lower Upper

75 100

155 0.0 47.6 142.8#

157 0.0 61.3 183.9#



#95

Naphthalene

Concen: 81.627 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062202.D

Acq: 18 Apr 2019 13:49

Tgt Ion: 128 Resp: 252

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 28.2 9.2 13.8#

