

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062210.D
 Acq On : 18 Apr 2019 17:40
 Operator : FY/SY
 Sample : K2407-10
 Misc : 5.93g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:19:13 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	423387	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	635748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	489920	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	274620	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	215470	55.50	ug/l	0.02
Spiked Amount			Recovery	=	111.00%	
35) Dibromofluoromethane	4.30	113	278248	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	7.71	98	595832	42.33	ug/l	0.00
Spiked Amount			Recovery	=	84.66%	
62) 4-Bromofluorobenzene	11.49	95	281158	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.16	50	2372	0.357	ug/l #	80
5) Bromomethane	1.40	94	1189	0.358	ug/l #	11
6) Chloroethane	1.44	64	1010	0.423	ug/l	91
8) Diethyl Ether	1.60	74	415	0.275	ug/l	98
11) Tert butyl alcohol	2.70	59	1415	5.243	ug/l #	70
13) Acrolein	2.11	56	867	Below Cal	#	62
15) Acrylonitrile	3.01	53	923	1.123	ug/l #	77
16) Acetone	2.34	43	13451	14.495	ug/l	91
18) Methyl Acetate	2.49	43	6001	Below Cal	#	59
20) Methylene Chloride	2.32	84	36227	1.929	ug/l	93
23) Vinyl Acetate	3.56	43	3689	0.559	ug/l #	79
25) 2-Butanone	4.53	43	2554	1.376	ug/l #	54
26) 2,2-Dichloropropane	3.72	77	1141	0.298	ug/l #	54
29) Tetrahydrofuran	4.29	42	1844	2.196	ug/l #	78
30) Chloroform	4.06	83	17826	1.915	ug/l	90
31) Cyclohexane	3.87	56	2780	0.306	ug/l #	52
36) 1,1-Dichloropropene	4.22	75	34658	4.547	ug/l #	45
37) Ethyl Acetate	4.36	43	1312	0.365	ug/l #	74
39) Methylcyclohexane	5.65	83	10799	1.183	ug/l	84
47) Bromodichloromethane	6.55	83	4664	0.705	ug/l #	86
49) 1,4-Dioxane	6.89	88	62	2.175	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	7352	2.613	ug/l #	79
52) Toluene	7.78	92	4972	0.472	ug/l #	72
56) Ethyl methacrylate	8.75	69	1552	0.462	ug/l #	15
58) 2-Chloroethyl Vinyl ether	7.18	63	321	0.329	ug/l	100
59) 2-Hexanone	9.62	43	5521	3.282	ug/l	89
60) Dibromochloromethane	8.86	129	1671	0.381	ug/l	97
64) Tetrachloroethene	8.31	164	1549	0.350	ug/l #	77
67) Ethyl Benzene	10.02	91	4917	0.259	ug/l #	77
68) m/p-Xylenes	10.26	106	4139	0.592	ug/l	98
69) o-Xylene	10.81	106	2107	0.271	ug/l	83
70) Styrene	10.89	104	2673	0.244	ug/l #	46
74) N-amyl acetate	11.45	43	6233	Below Cal	#	68
76) 1,2,3-Trichloropropane	11.87	75	803	0.288	ug/l #	64

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 07:43:02 2019
Response via : Initial Calibration

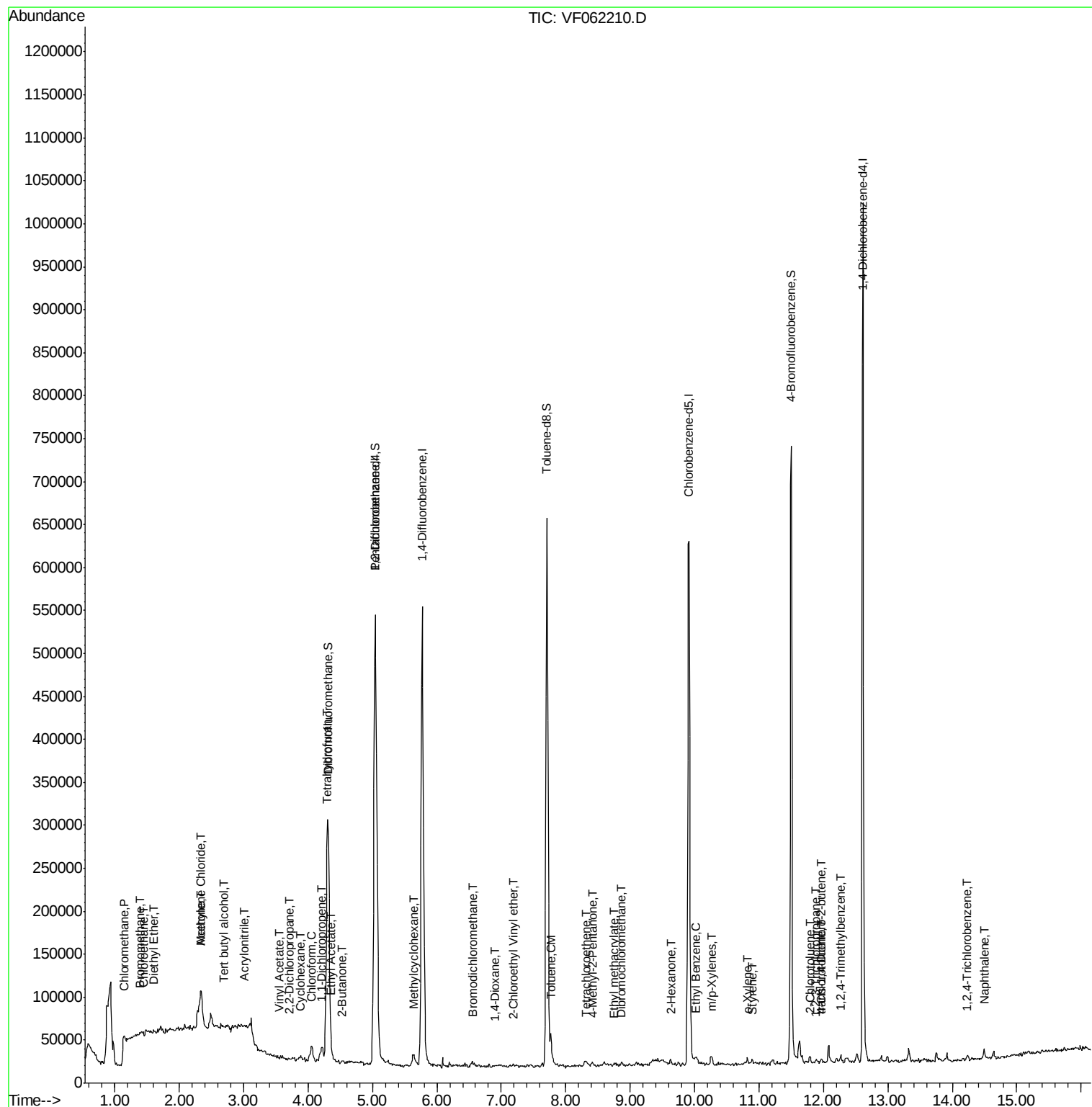
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.81	91	3103	0.206	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.95	75	1145	0.804	ug/l #	71
82) 4-Chlorotoluene	11.97	91	2962	0.203	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	4920	0.259	ug/l	89
89) n-Butylbenzene	12.90	91	3176	Below Cal		92
93) 1,2,4-Trichlorobenzene	14.24	180	1657	0.219	ug/l	90
95) Naphthalene	14.50	128	7021	0.530	ug/l	98

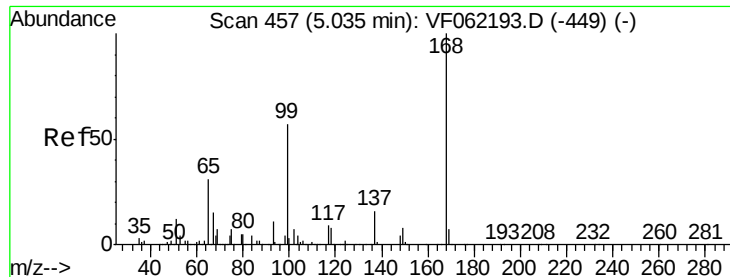
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

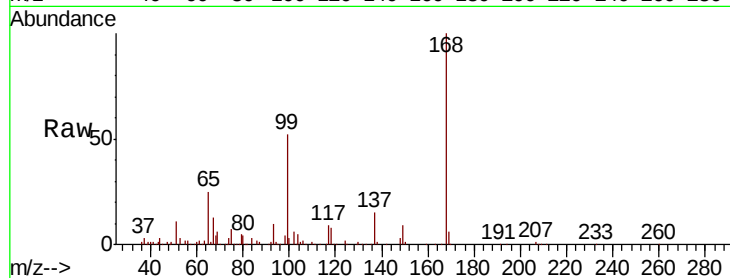
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 423387

Ion Ratio Lower Upper

168 100

99 51.7 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

150000

100000

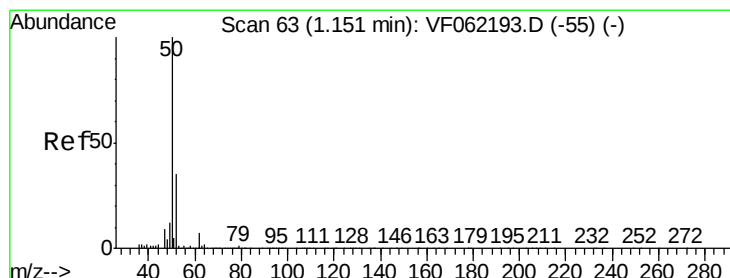
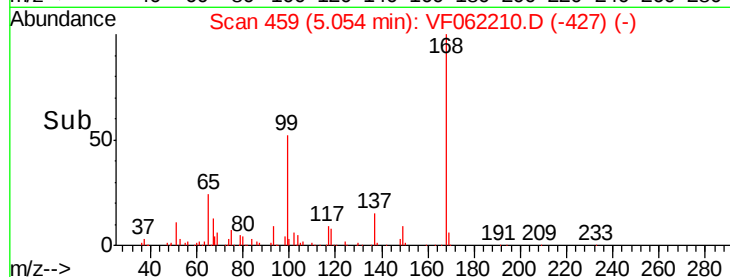
50000

0

Time-->

5.00

5.20



#3

Chloromethane

Concen: 0.357 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062210.D

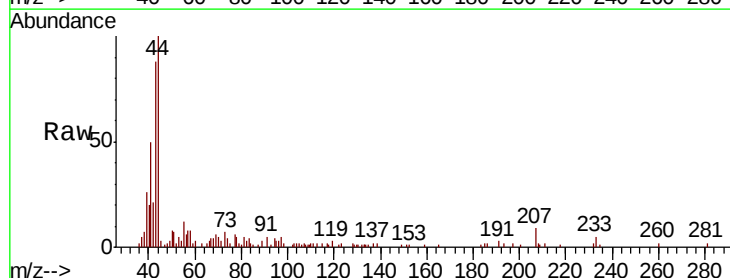
Acq: 18 Apr 2019 17:40

Tgt Ion: 50 Resp: 2372

Ion Ratio Lower Upper

50 100

52 22.5 27.0 40.4#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.16

800

600

400

200

0

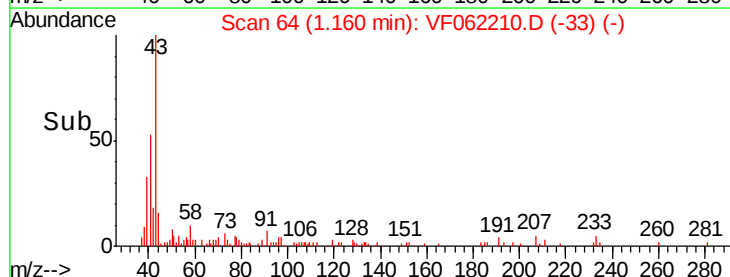
Time-->

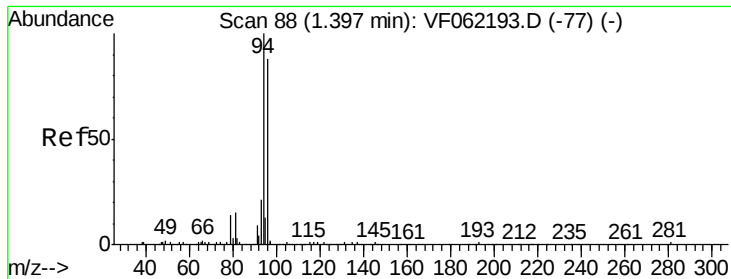
1.05

1.10

1.15

1.20





#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

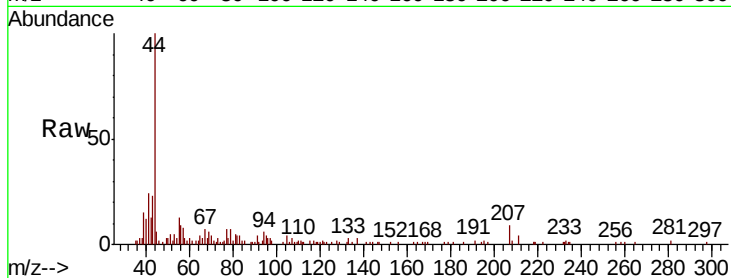
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 1189

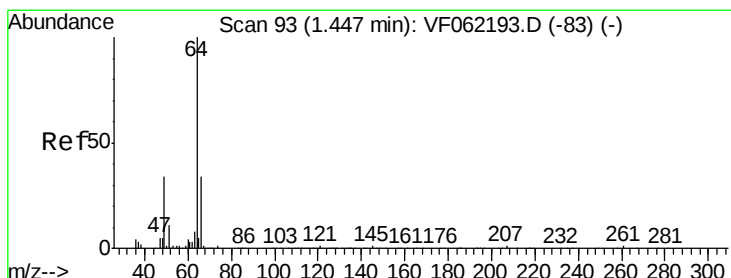
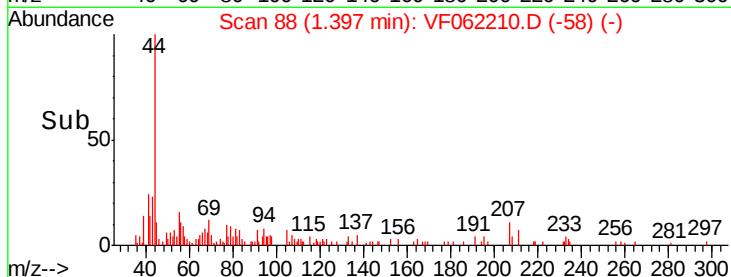
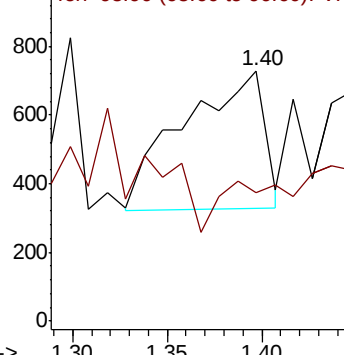
Ion Ratio Lower Upper

94 100

96 4.8 70.2 105.4#



Abundance Ion 93.90 (93.60 to 94.60): VF0
Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 0.423 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062210.D

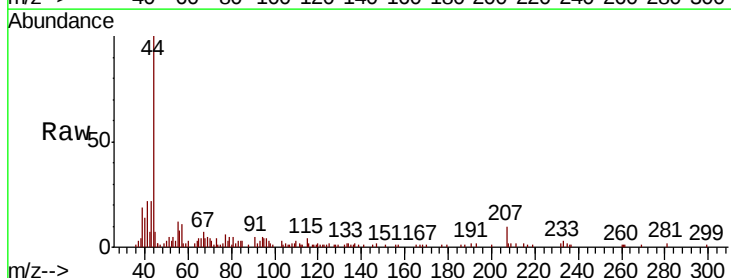
Acq: 18 Apr 2019 17:40

Tgt Ion: 64 Resp: 1010

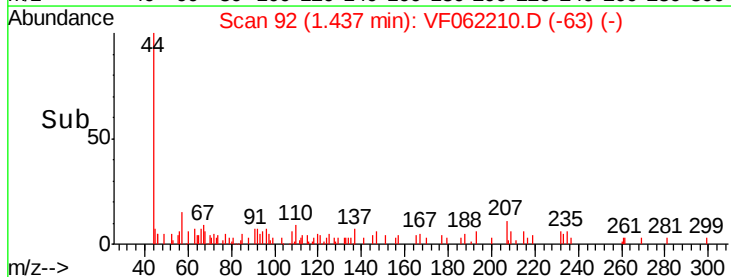
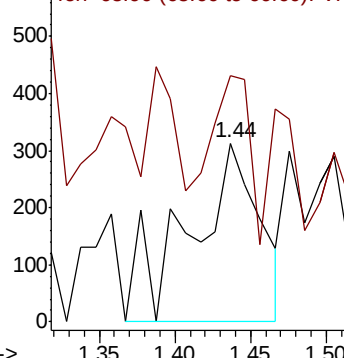
Ion Ratio Lower Upper

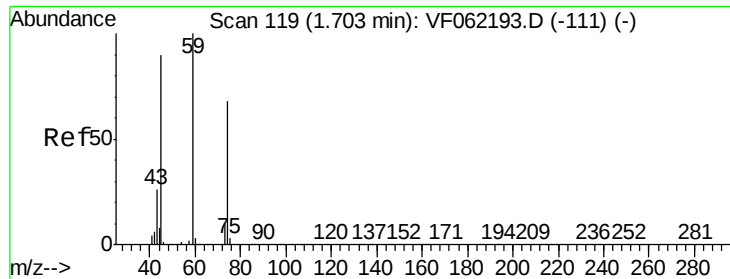
64 100

66 28.8 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VF0
Ion 65.90 (65.60 to 66.60): VF0





#8

Diethyl Ether

Concen: 0.275 ug/l

RT: 1.60 min Scan# 109

Delta R.T. -0.10 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

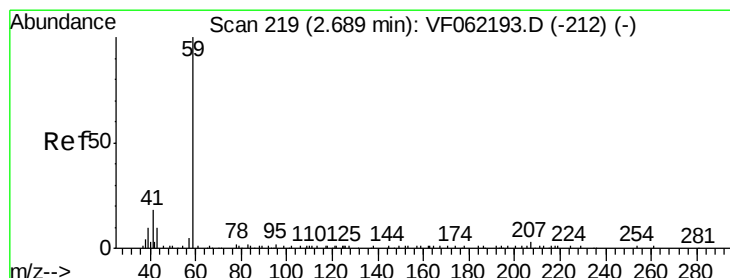
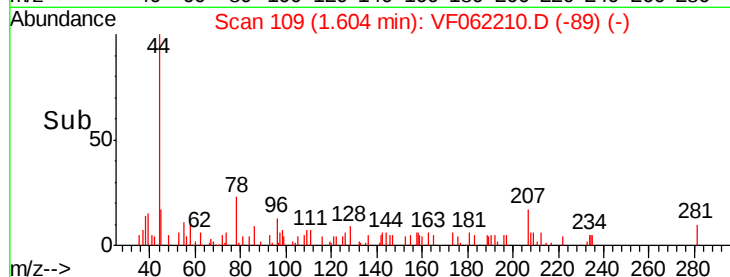
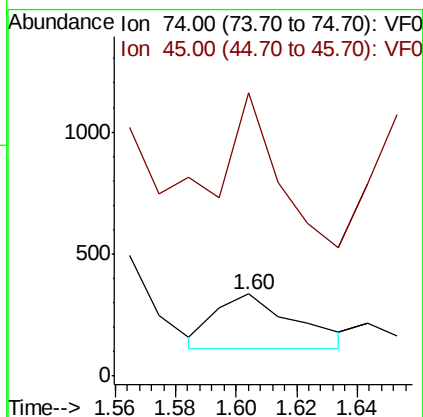
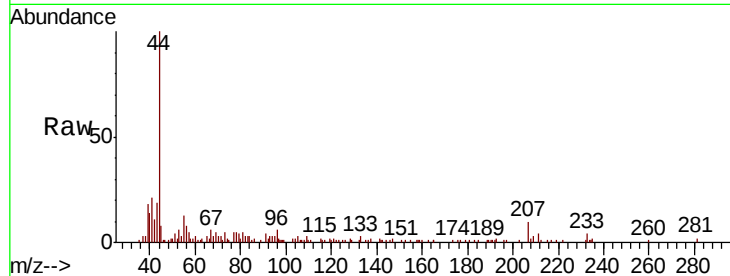
ClientSampleId :

Tot Ion: 74 Resp: 415

Ion Ratio Lower Upper

74 100

45 143.1 70.0 210.2



#11

Tert butyl alcohol

Concen: 5.243 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF062210.D

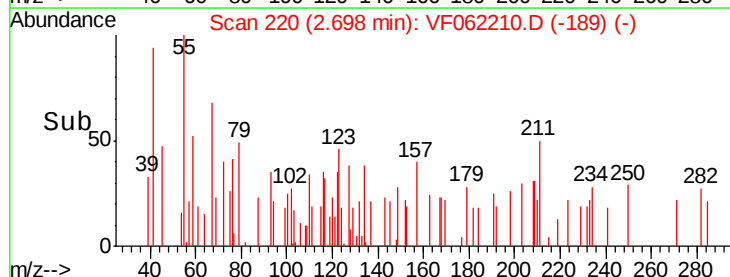
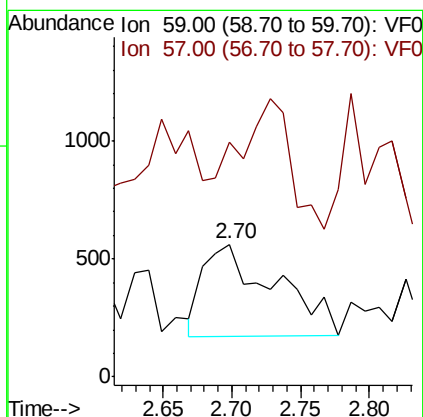
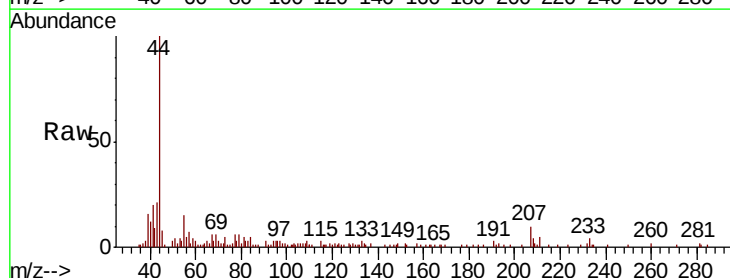
Acq: 18 Apr 2019 17:40

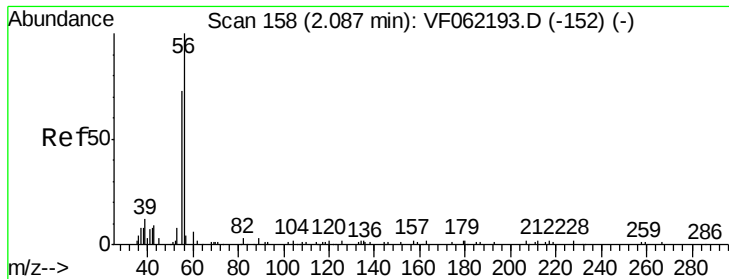
Tgt Ion: 59 Resp: 1415

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#





#13

Acrolein

Concen: Below Cal

RT: 2.11 min Scan# 160

Delta R.T. 0.02 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

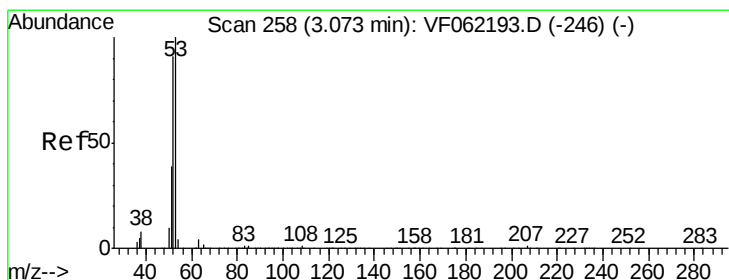
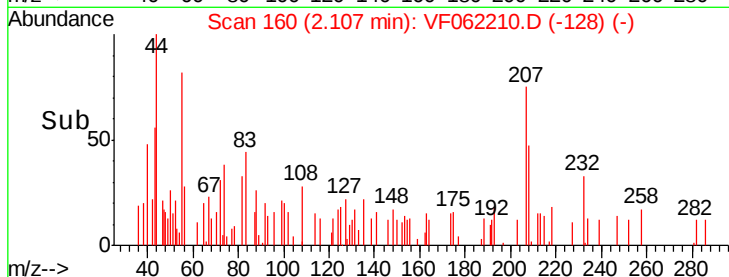
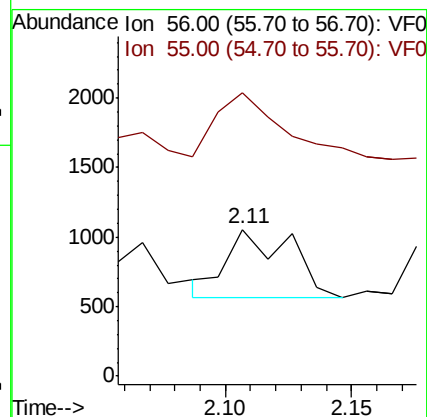
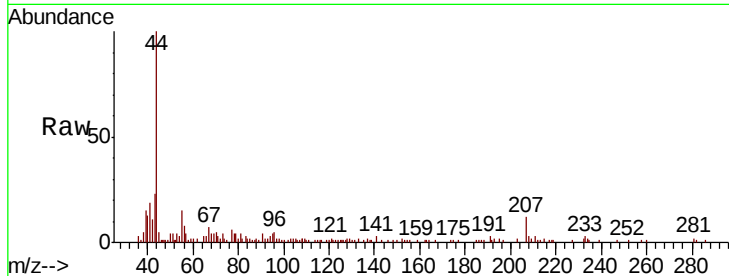
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 867

Ion Ratio Lower Upper

56 100

55 103.1 57.4 86.0#



#15

Acrylonitrile

Concen: 1.123 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.06 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

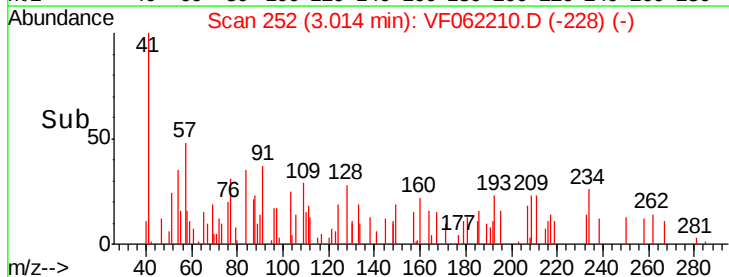
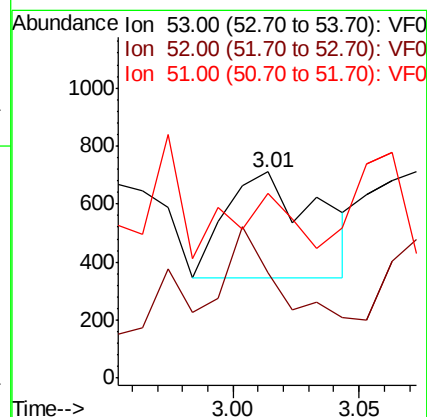
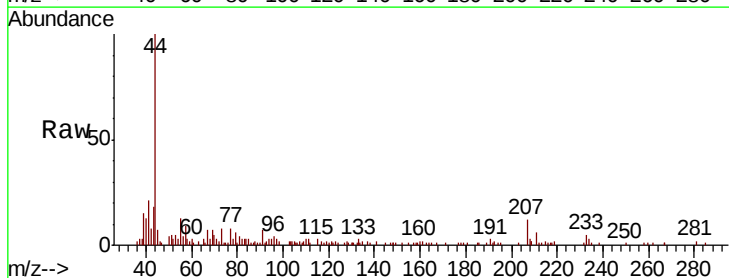
Tgt Ion: 53 Resp: 923

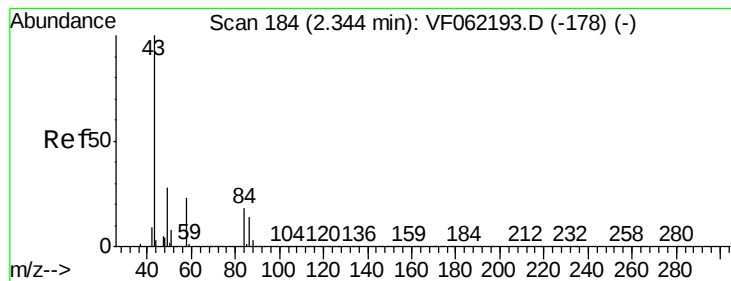
Ion Ratio Lower Upper

53 100

52 83.2 69.5 104.3

51 0.0 31.8 47.8#





#16

Acetone

Concen: 14.495 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

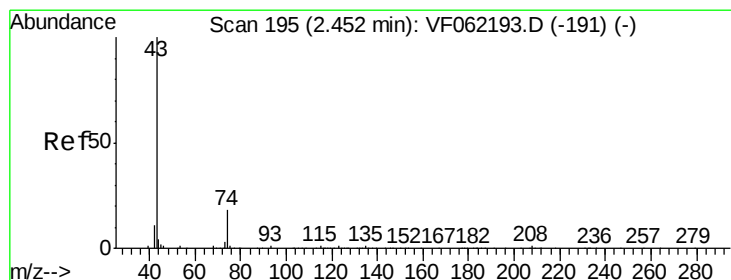
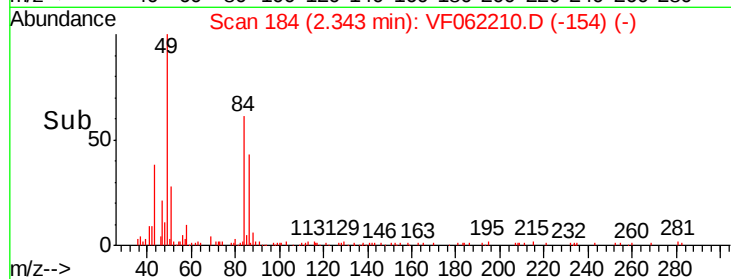
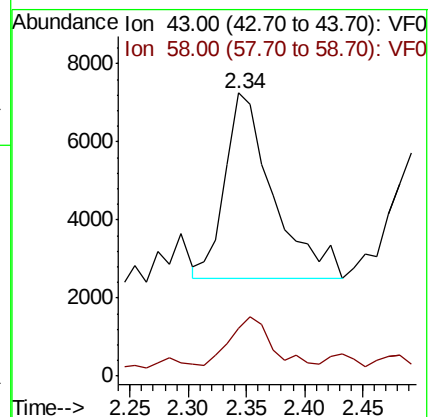
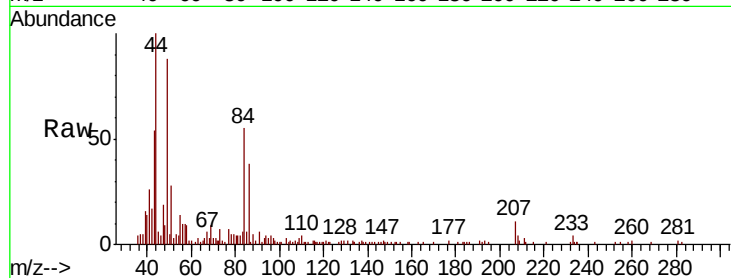
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 13451

Ion Ratio Lower Upper

43 100

58 18.9 18.8 28.2



#18

Methyl Acetate

Concen: Below Cal

RT: 2.49 min Scan# 199

Delta R.T. 0.04 min

Lab File: VF062210.D

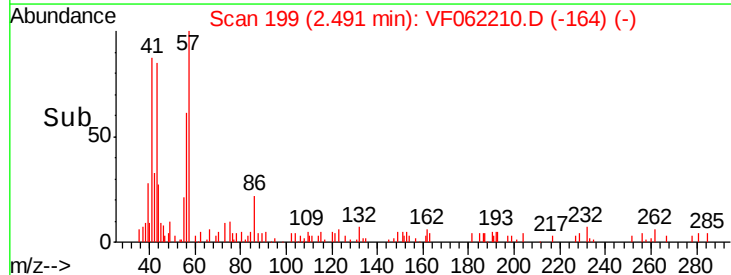
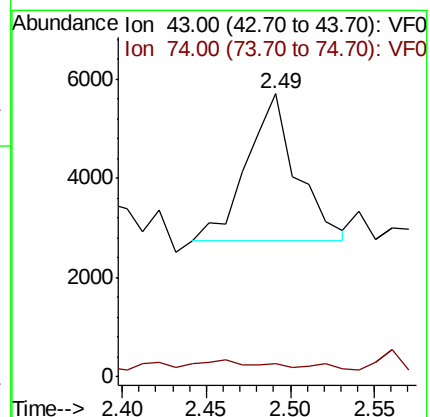
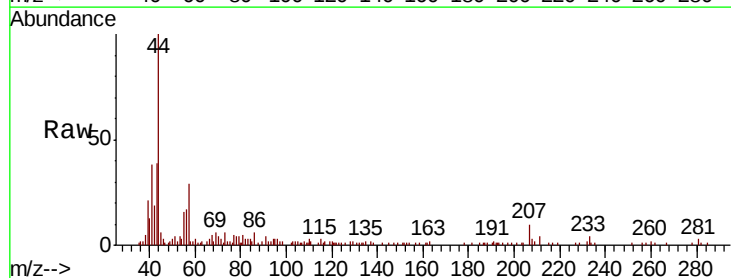
Acq: 18 Apr 2019 17:40

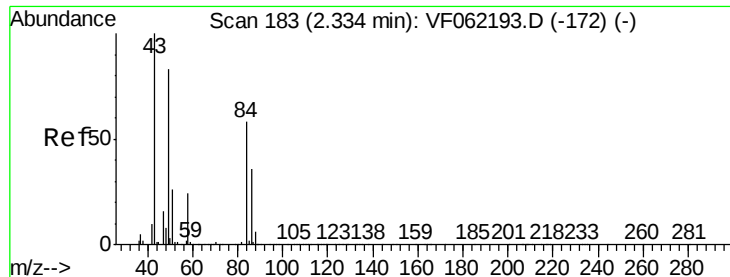
Tgt Ion: 43 Resp: 6001

Ion Ratio Lower Upper

43 100

74 0.0 14.5 21.7#

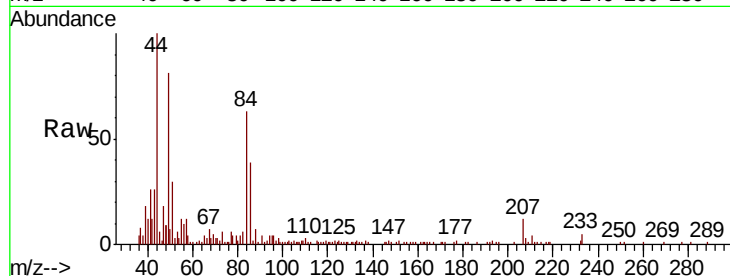




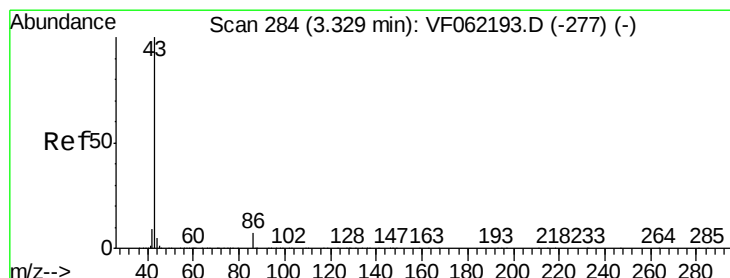
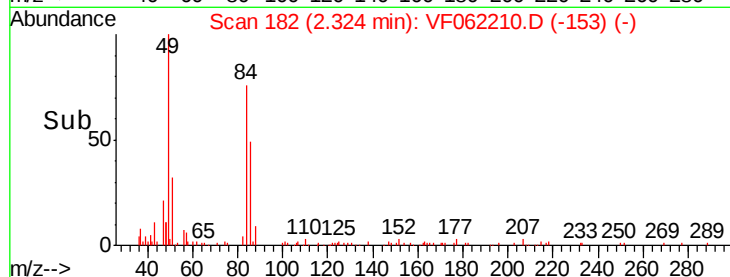
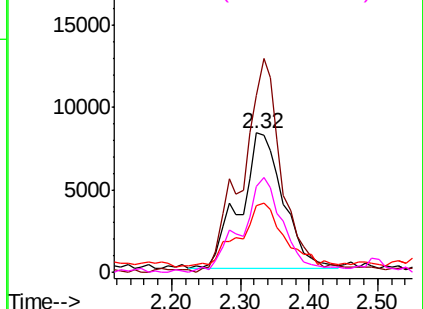
#20
Methvlene Chloride
Concen: 1.929 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	36227
Ion	Ratio	Lower	Upper
84	100		
49	129.2	114.0	171.0
51	44.6	37.0	55.4
86	63.5	49.8	74.8

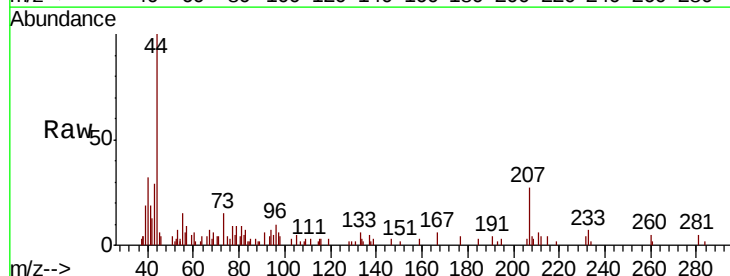


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

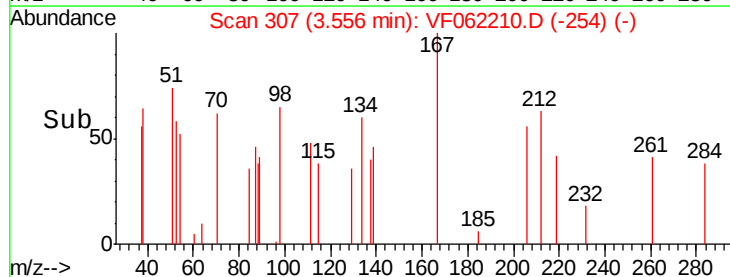
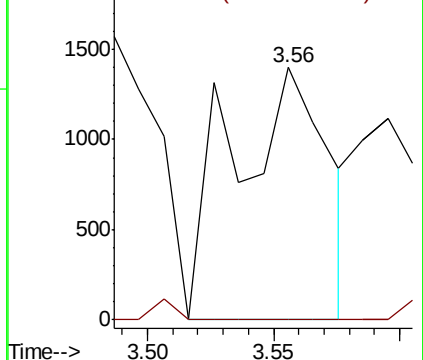


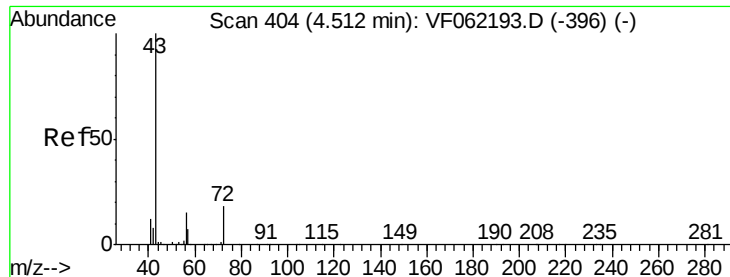
#23
Vinyl Acetate
Concen: 0.559 ug/l
RT: 3.56 min Scan# 307
Delta R.T. 0.23 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion:	43	Resp:	3689
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





#25

2-Butanone

Concen: 1.376 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

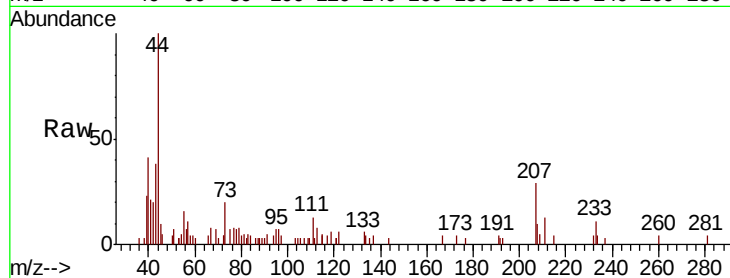
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2554

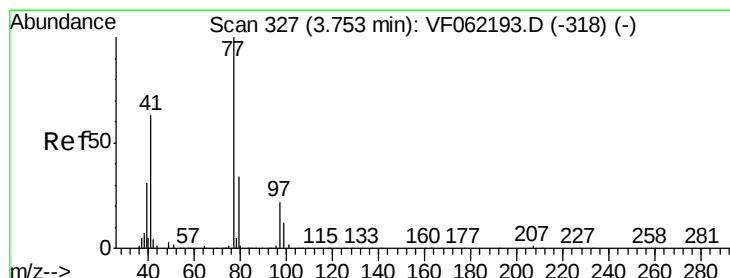
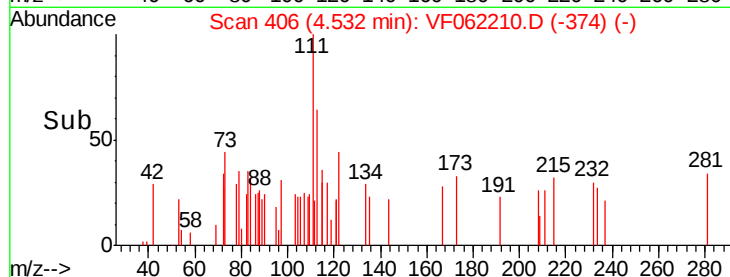
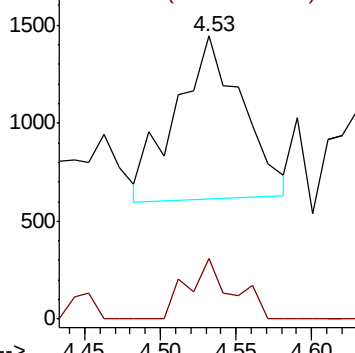
Ion Ratio Lower Upper

43 100

72 41.1 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 0.298 ug/l

RT: 3.72 min Scan# 324

Delta R.T. -0.03 min

Lab File: VF062210.D

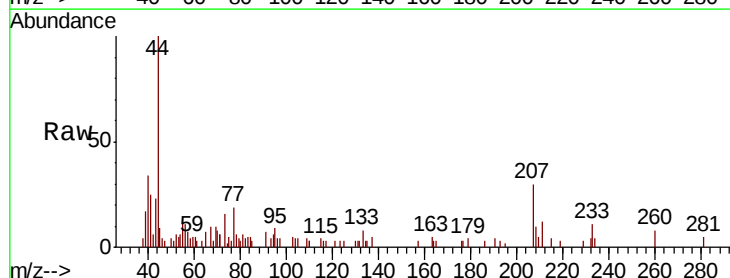
Acq: 18 Apr 2019 17:40

Tgt Ion: 77 Resp: 1141

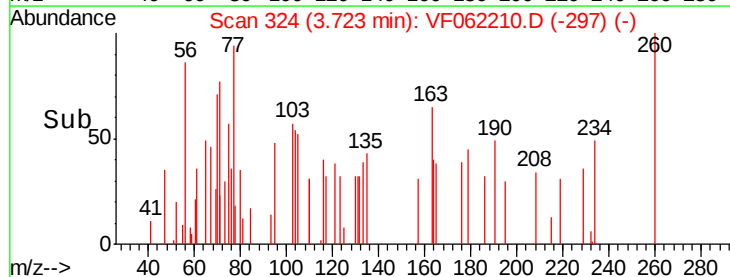
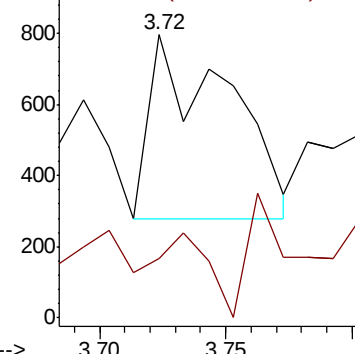
Ion Ratio Lower Upper

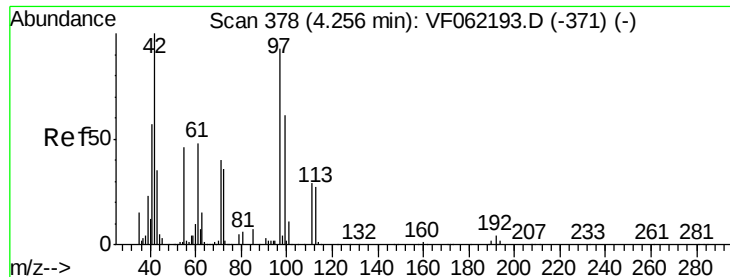
77 100

97 0.0 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VF0
Ion 96.90 (96.60 to 97.60): VF0





#29

Tetrahydrofuran

Concen: 2.196 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.03 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

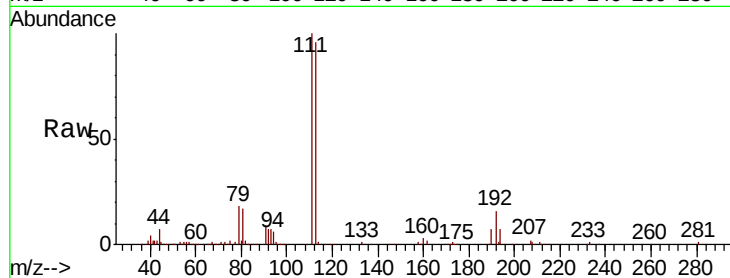
Tot Ion: 42 Resp: 1844

Ion Ratio Lower Upper

42 100

72 42.5 28.6 43.0

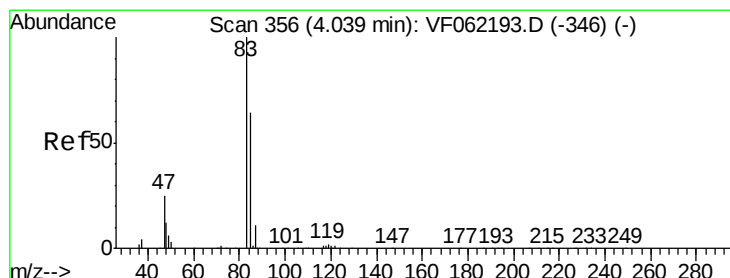
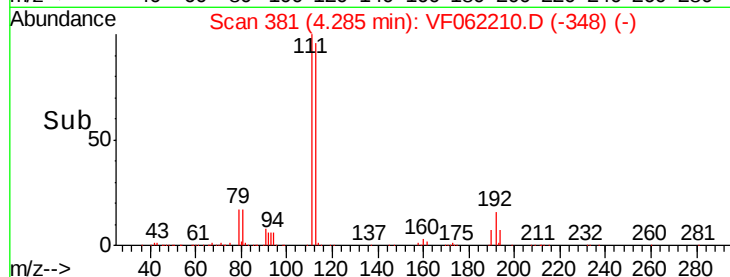
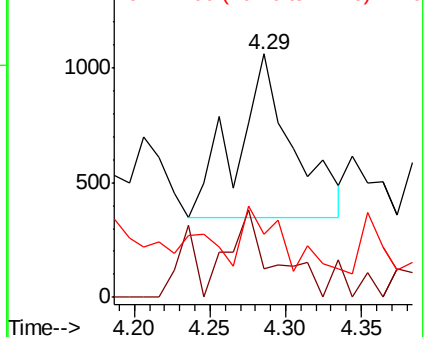
71 55.1 29.2 43.8#



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: 1.915 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF062210.D

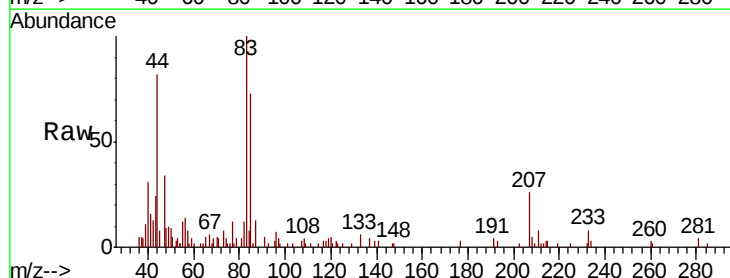
Acq: 18 Apr 2019 17:40

Tgt Ion: 83 Resp: 17826

Ion Ratio Lower Upper

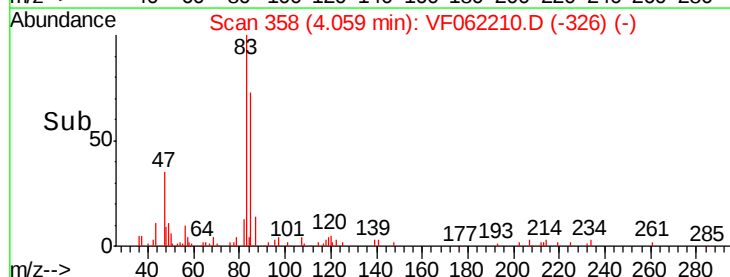
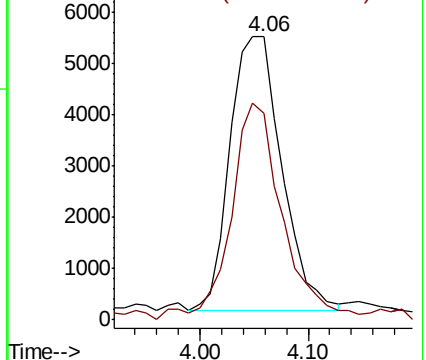
83 100

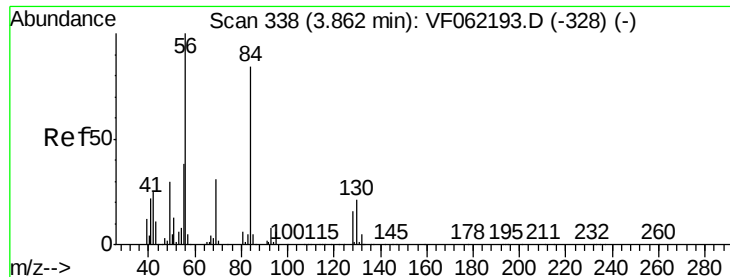
85 72.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

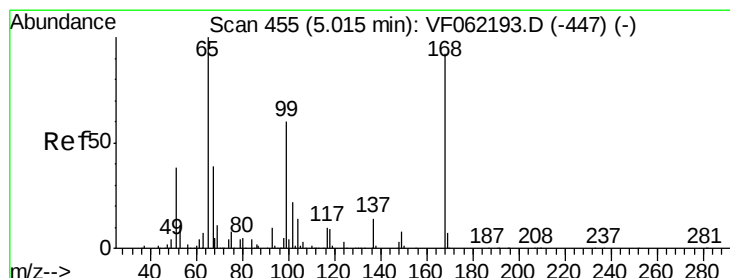
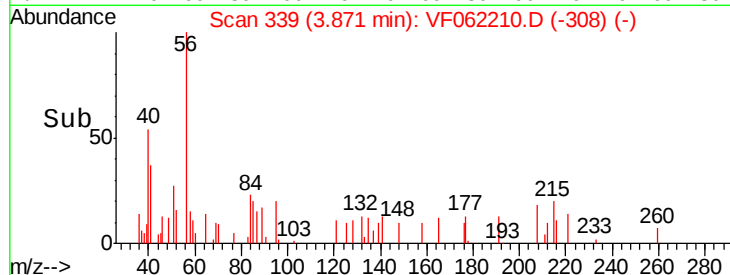
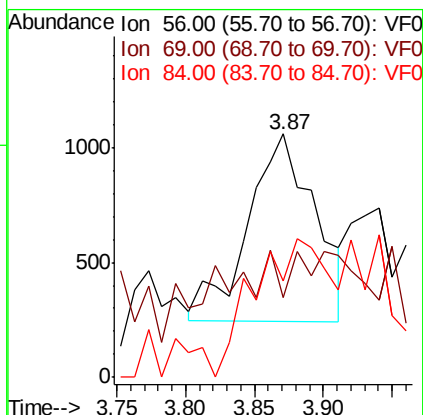
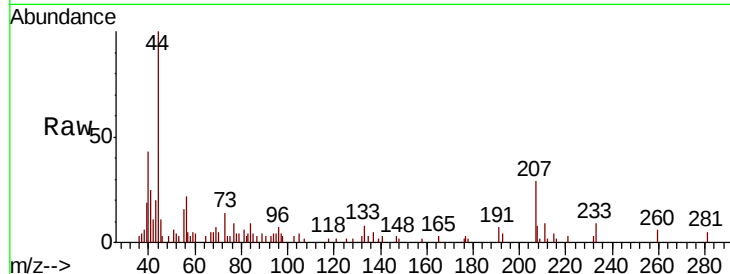




#31
Cyclohexane
Concen: 0.306 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

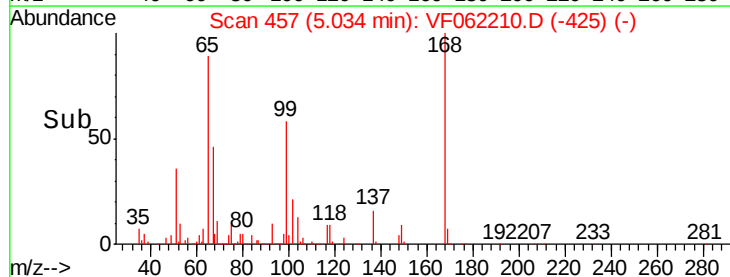
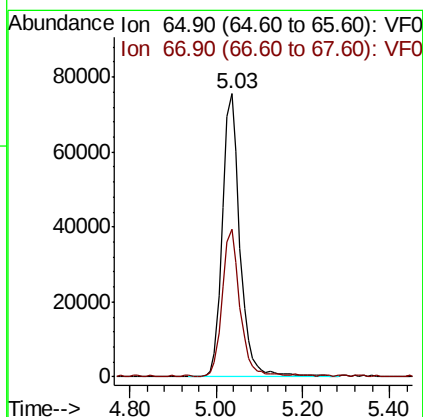
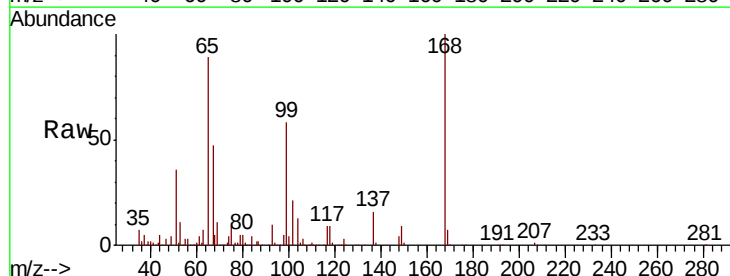
Instrument :
MSVOA_F
ClientSampleId :

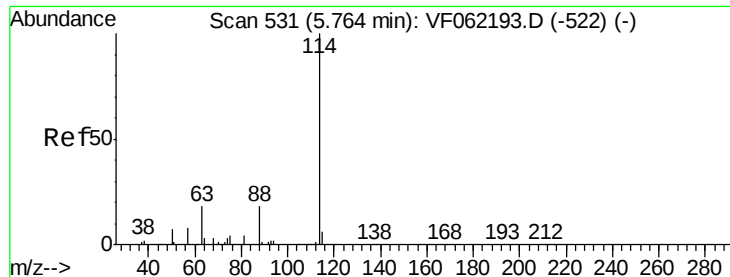
Tot Ion: 56 Resp: 2780
Ion Ratio Lower Upper
56 100
69 5.4 25.1 37.7#
84 40.7 67.8 101.6#



#33
1,2-Dichloroethane-d4
Concen: 55.502 ug/l
RT: 5.03 min Scan# 457
Delta R.T. 0.02 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion: 65 Resp: 215470
Ion Ratio Lower Upper
65 100
67 52.0 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: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

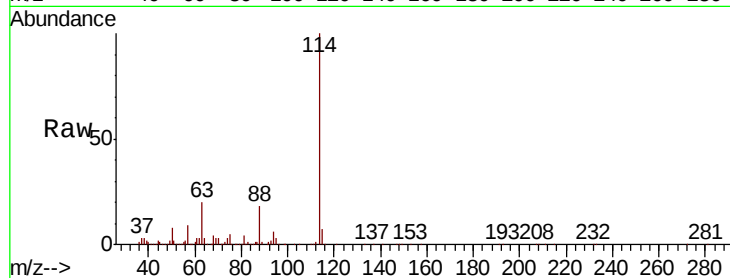
Tot Ion:114 Resp: 635748

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.6

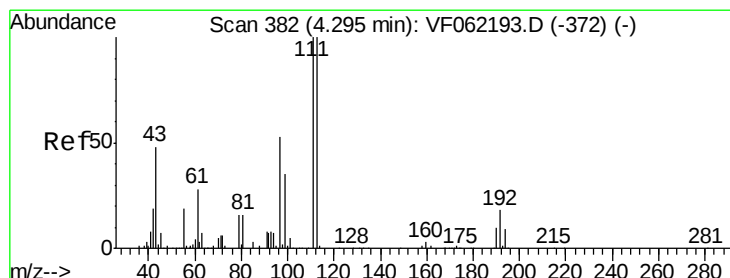
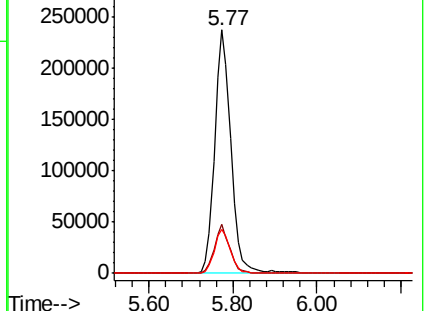
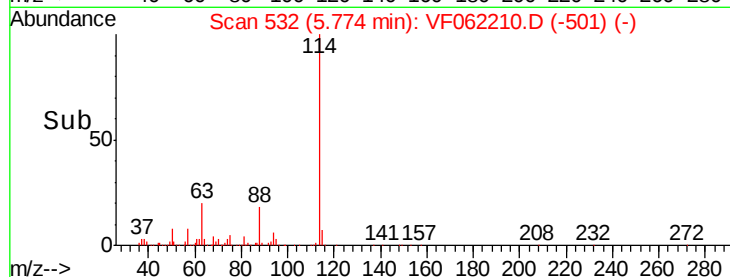
88 18.2 0.0 35.8



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: 50.035 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

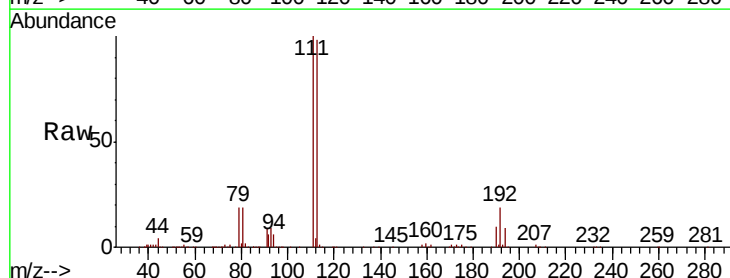
Tgt Ion:113 Resp: 278248

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

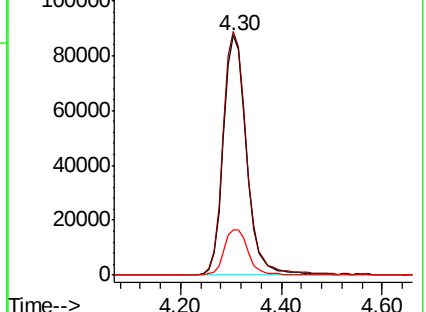
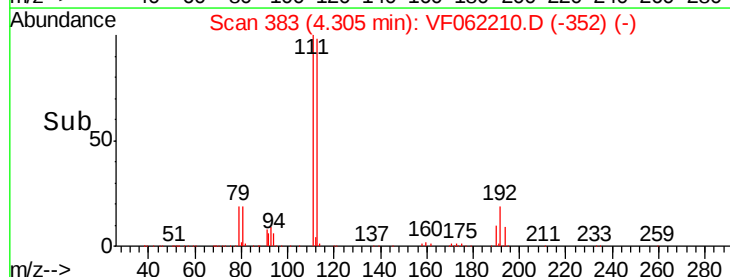
192 19.6 14.7 22.1

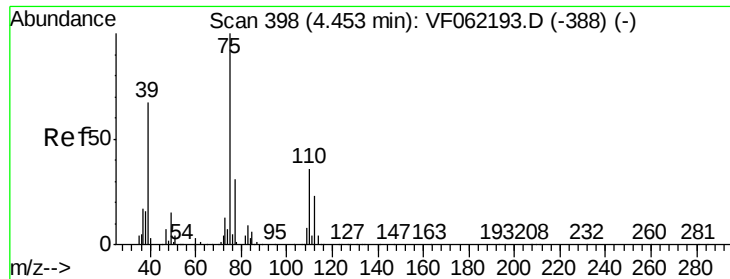


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

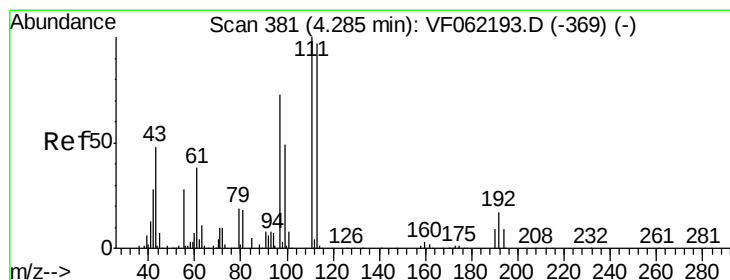
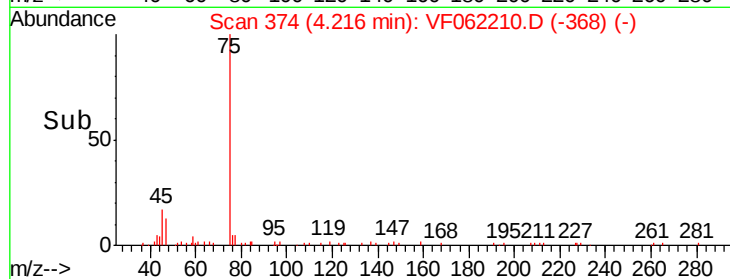
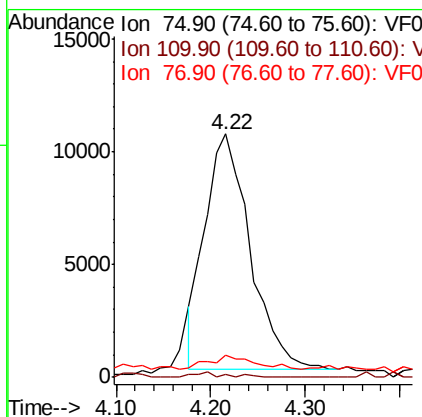
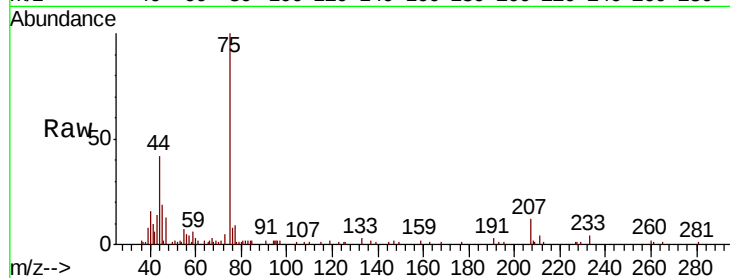




#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 4.22 min Scan# 374
 Delta R.T. -0.24 min
 Lab File: VF062210.D
 Acq: 18 Apr 2019 17:40

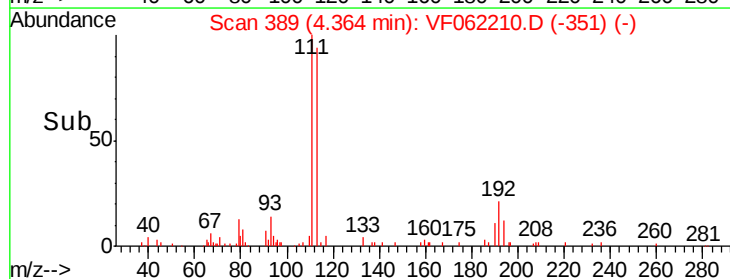
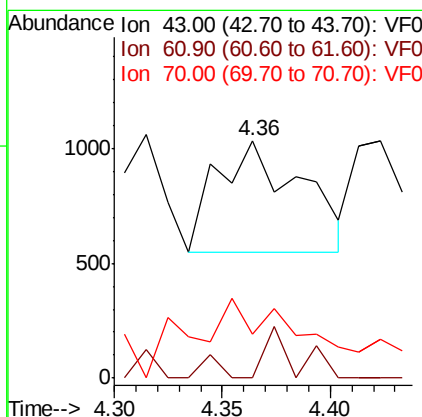
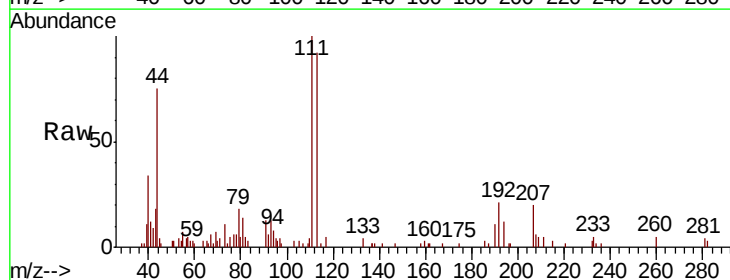
Instrument :
 MSVOA_F
 ClientSampleId :

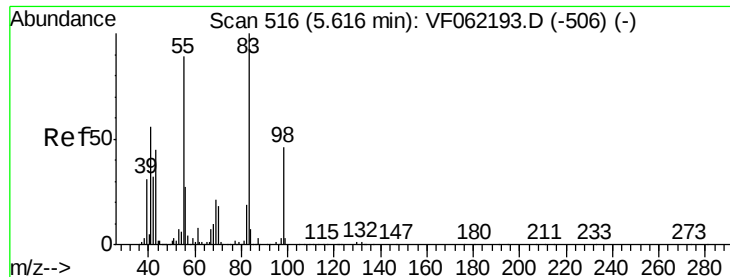
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.4	18.4	55.2#
77	5.4	25.4	38.2#



#37
 Ethyl Acetate
 Concen: 0.365 ug/l
 RT: 4.36 min Scan# 389
 Delta R.T. 0.08 min
 Lab File: VF062210.D
 Acq: 18 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.6	0.0	0.0#
70	0.0	7.8	11.6#

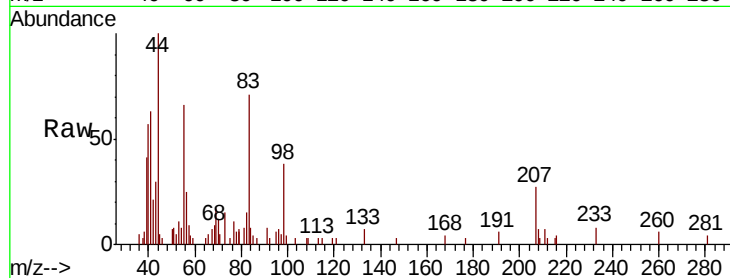




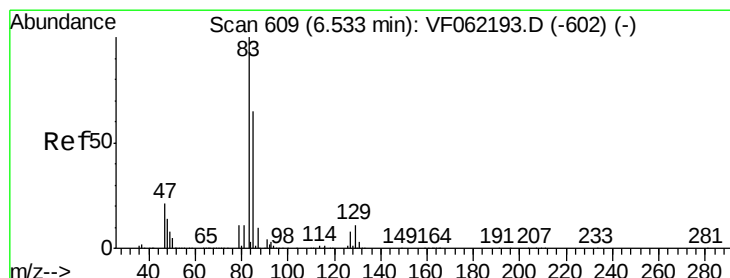
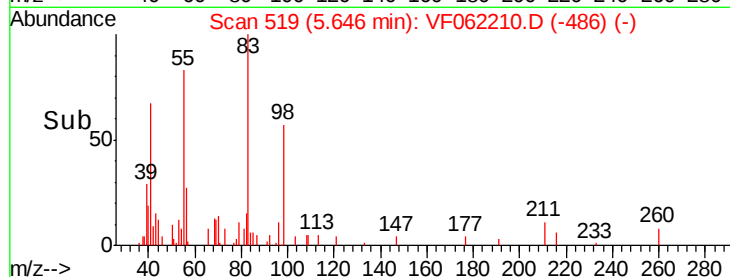
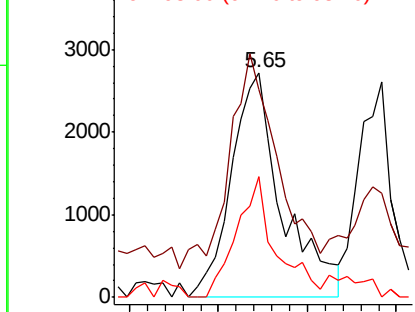
#39
Methvlcvclohexane
Concen: 1.183 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.03 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 10799
Ion Ratio Lower Upper
83 100
55 71.1 71.0 106.6
98 53.7 36.7 55.1

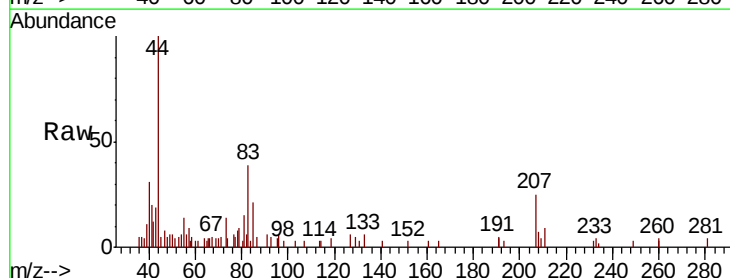


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

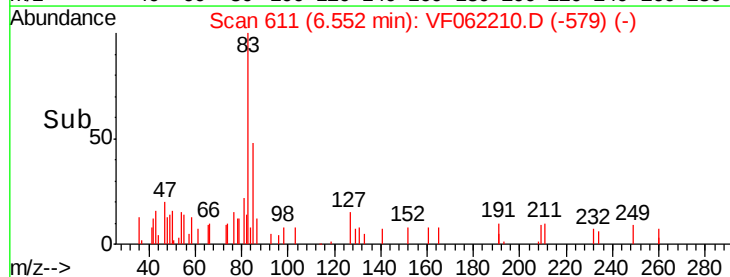
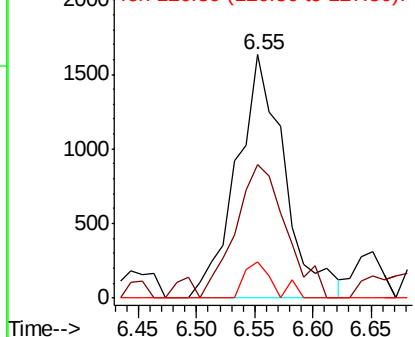


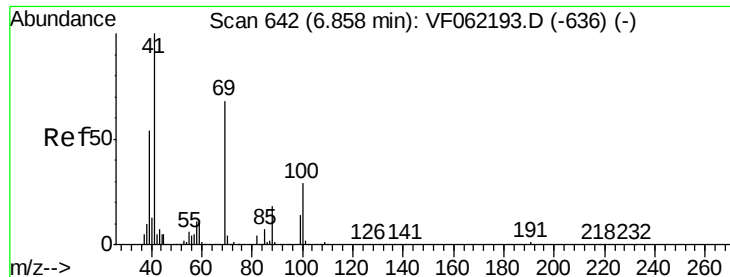
#47
Bromodichloromethane
Concen: 0.705 ug/l
RT: 6.55 min Scan# 611
Delta R.T. 0.02 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion: 83 Resp: 4664
Ion Ratio Lower Upper
83 100
85 54.7 52.2 78.4
127 14.6 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0
Ion 126.80 (126.50 to 127.50): V

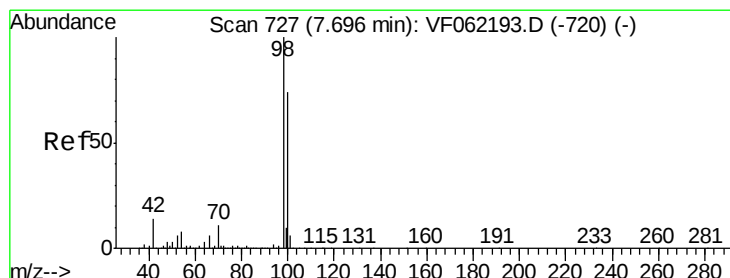
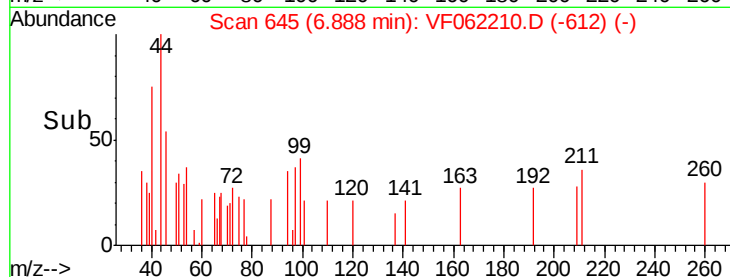
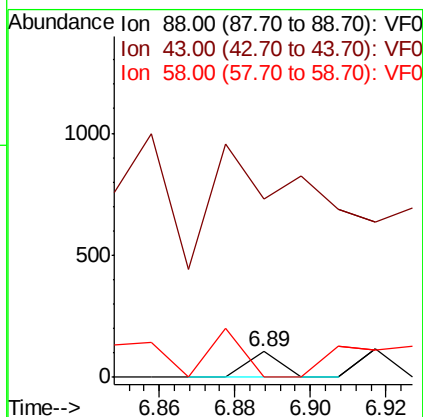
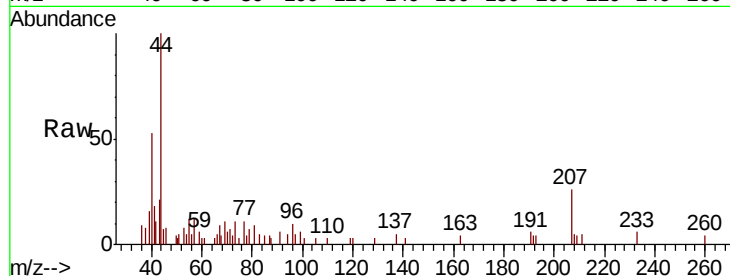




#49
 1,4-Dioxane
 Concen: 2.175 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.03 min
 Lab File: VF062210.D
 Acq: 18 Apr 2019 17:40

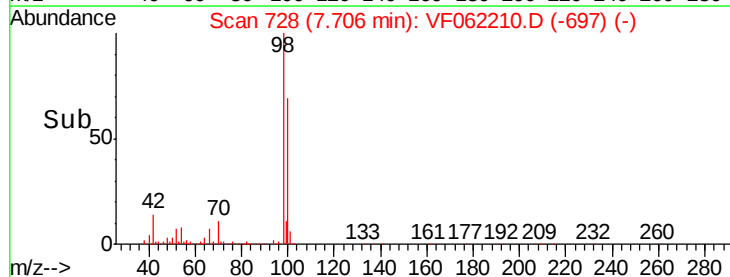
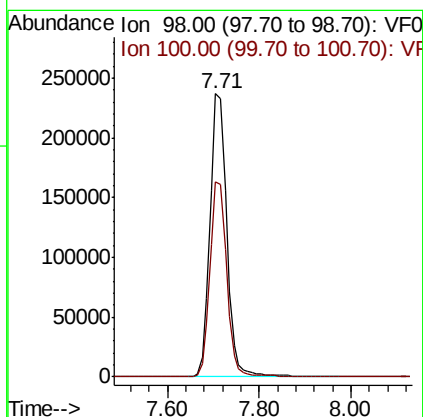
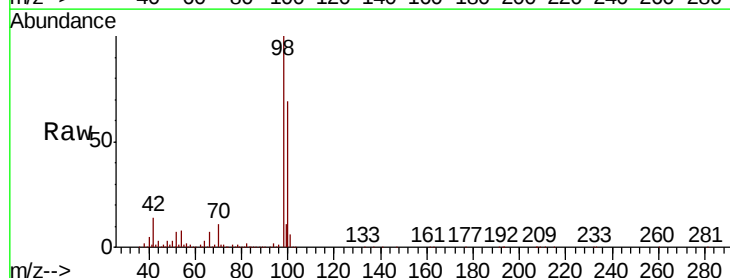
Instrument :
 MSVOA_F
 ClientSampled :

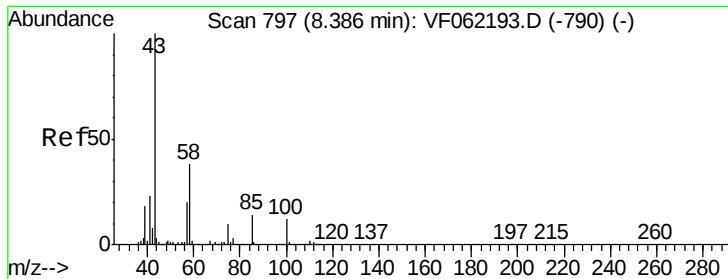
Tot Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 1558.1 36.9 55.3#
 58 0.0 56.8 85.2#



#50
 Toluene-d8
 Concen: 42.326 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF062210.D
 Acq: 18 Apr 2019 17:40

Tgt Ion: 98 Resp: 595832
 Ion Ratio Lower Upper
 98 100
 100 68.8 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 2.613 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

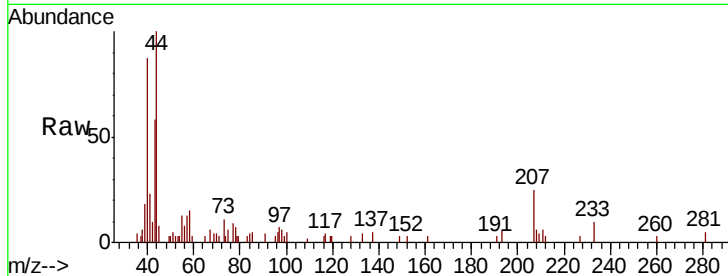
ClientSampleId :

Tot Ion: 43 Resp: 7352

Ion Ratio Lower Upper

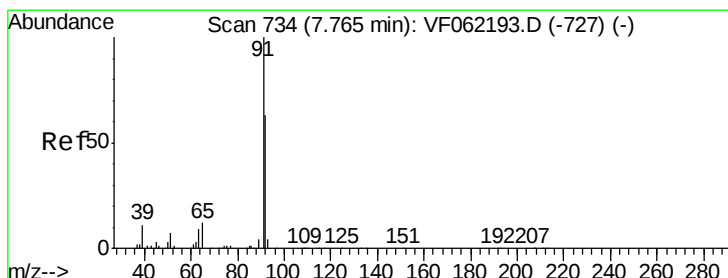
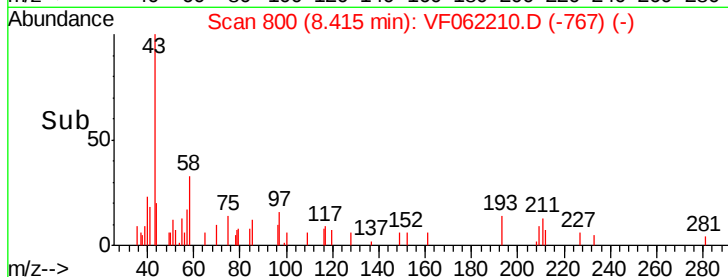
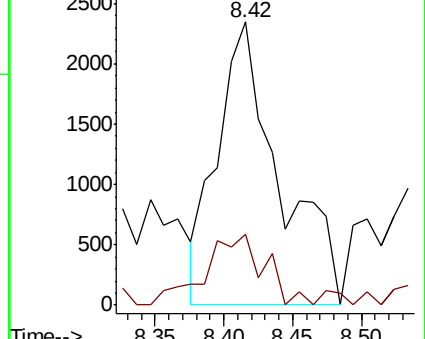
43 100

58 24.2 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 0.472 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062210.D

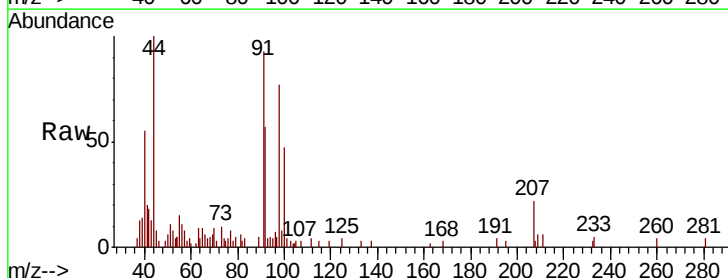
Acq: 18 Apr 2019 17:40

Tgt Ion: 92 Resp: 4972

Ion Ratio Lower Upper

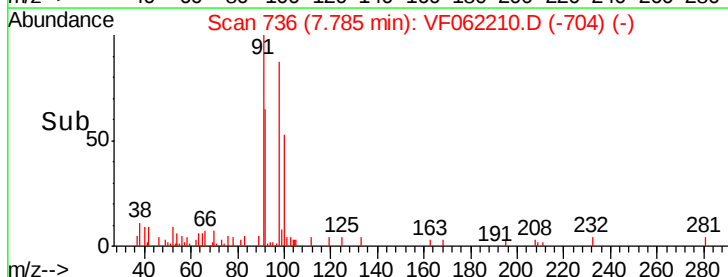
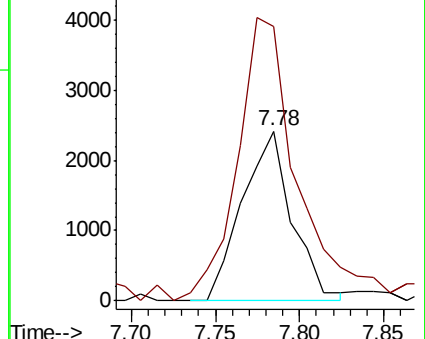
92 100

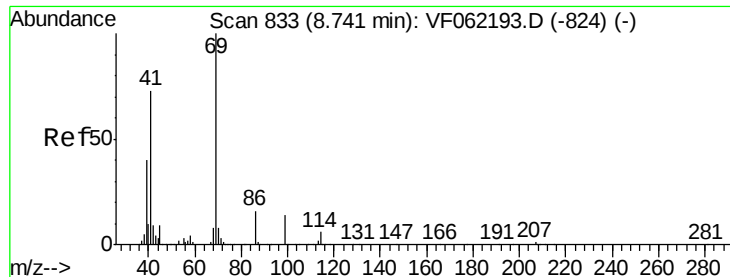
91 200.1 130.1 195.1#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 0.462 ug/l

RT: 8.75 min Scan# 834

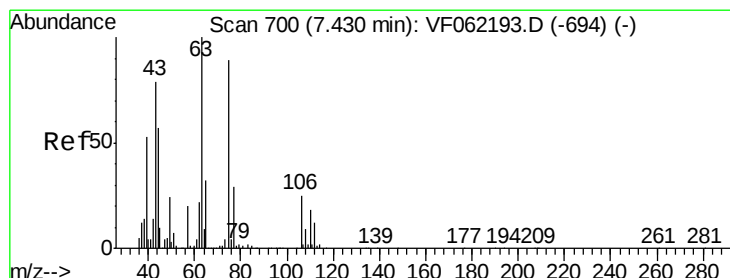
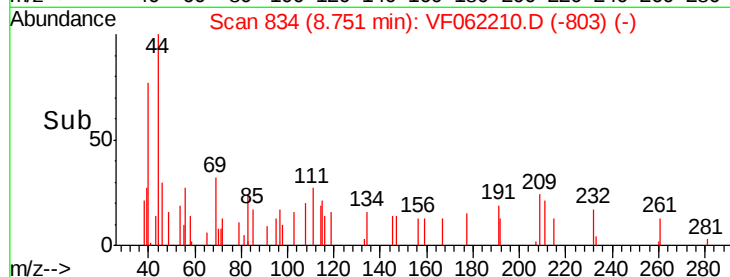
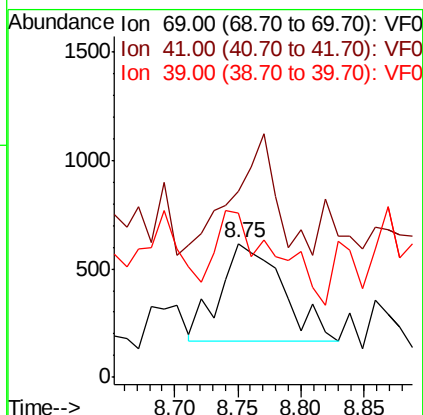
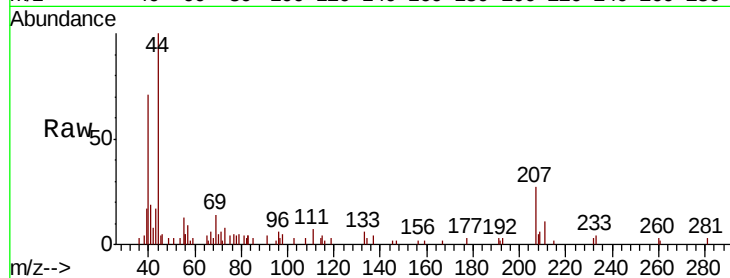
Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69	Resp:	1552
Ion	Ratio	Lower	Upper
69	100		
41	0.0	61.5	92.3#
39	91.0	33.3	49.9#



#58

2-Chloroethyl Vinyl ether

Concen: 0.329 ug/l

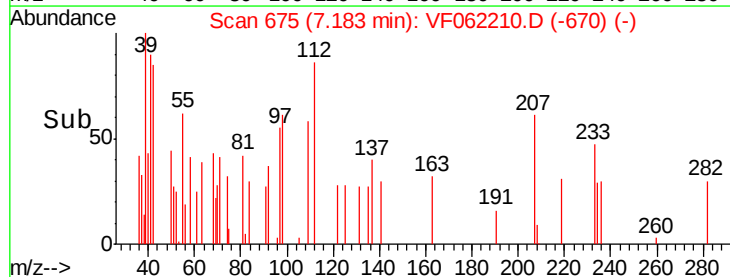
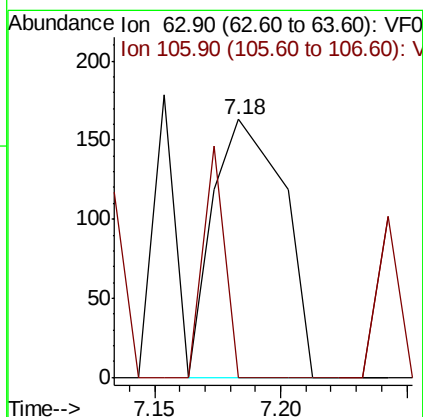
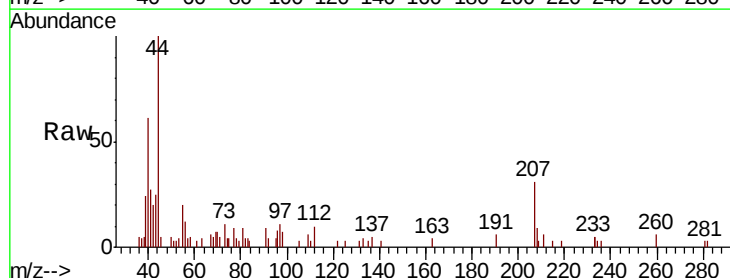
RT: 7.18 min Scan# 675

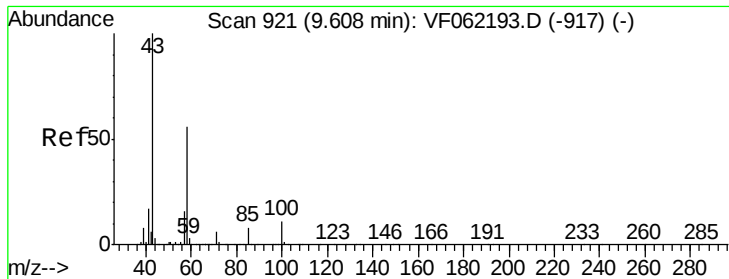
Delta R.T. -0.25 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Tgt Ion:	63	Resp:	321
Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.4	32.0

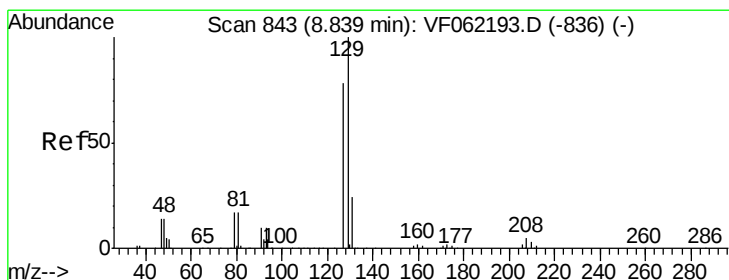
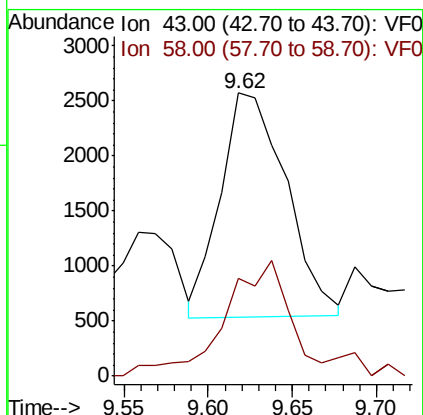
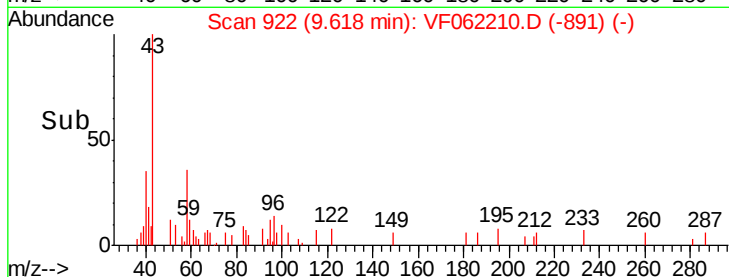
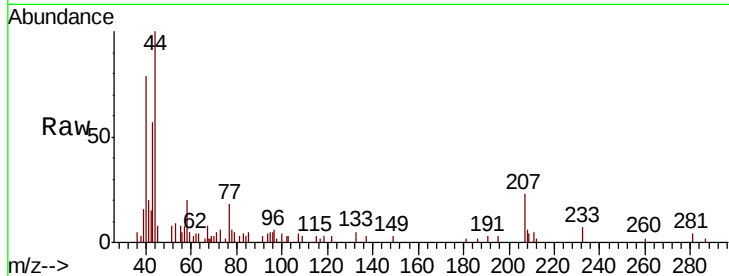




#59
2-Hexanone
Concen: 3.282 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

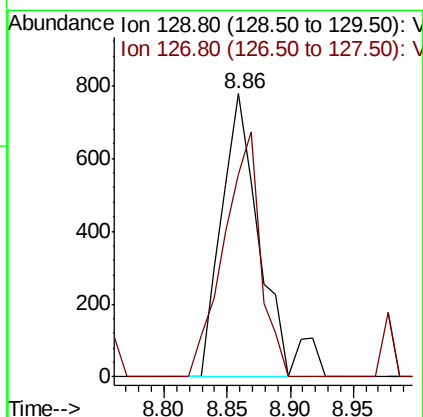
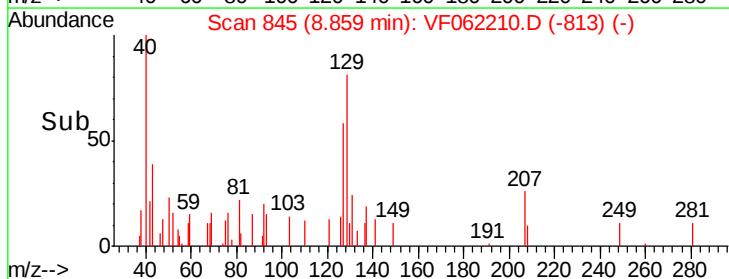
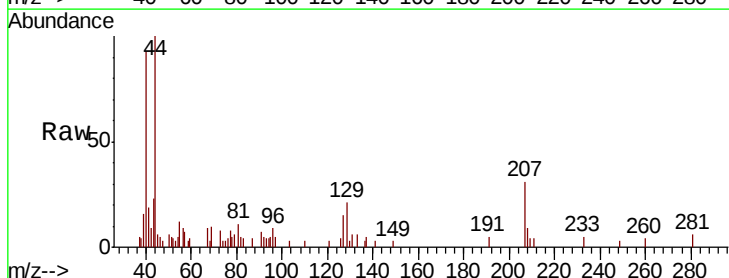
Instrument :
MSVOA_F
ClientSampled :

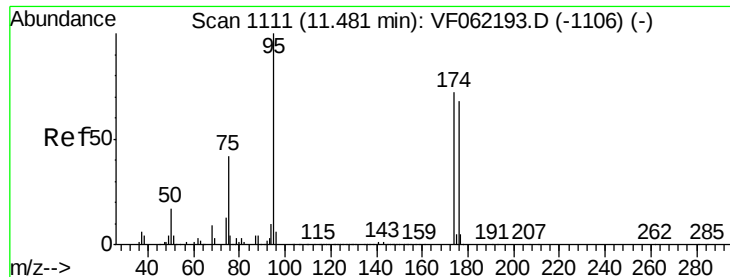
Tot Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
58 56.6 24.6 74.0



#60
Dibromochloromethane
Concen: 0.381 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion: 129 Resp: 1671
Ion Ratio Lower Upper
129 100
127 80.8 39.0 117.0





#62

4-Bromofluorobenzene

Concen: 51.918 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

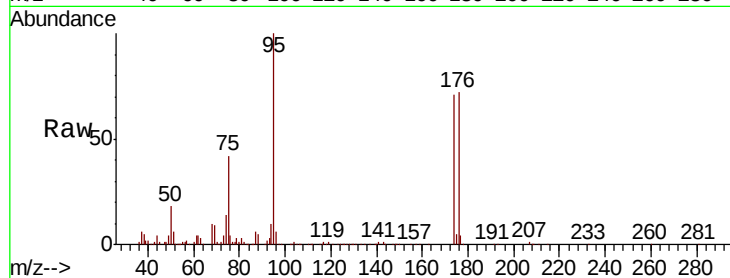
Tot Ion: 95 Resp: 281158

Ion Ratio Lower Upper

95 100

174 83.6 0.0 159.4

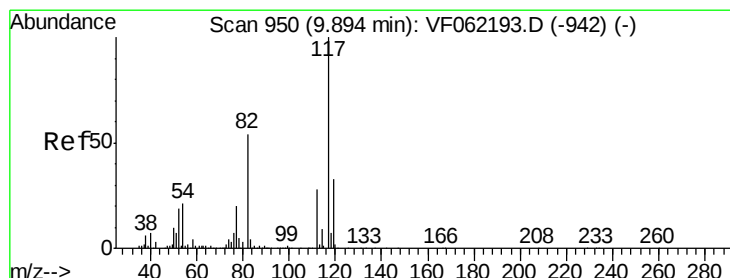
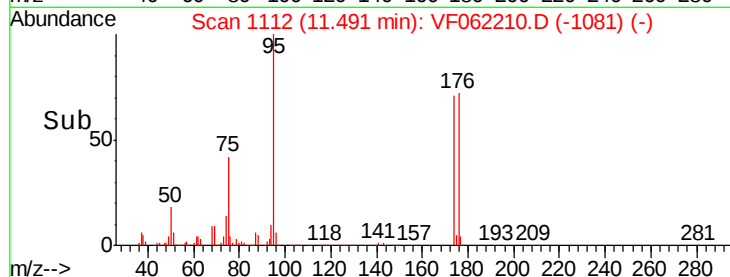
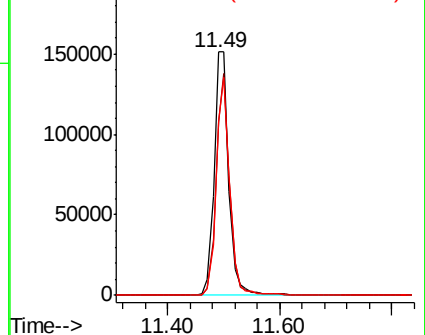
176 82.7 0.0 155.4



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: VF062210.D

Acq: 18 Apr 2019 17:40

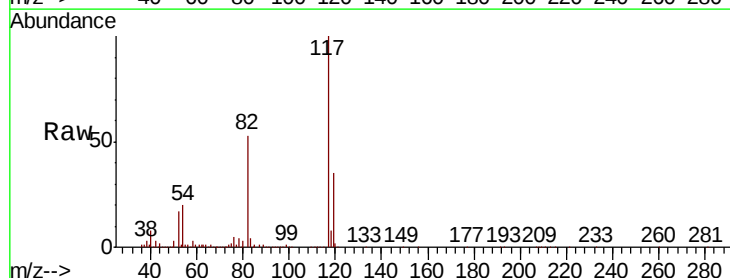
Tgt Ion: 117 Resp: 489920

Ion Ratio Lower Upper

117 100

82 53.2 43.2 64.8

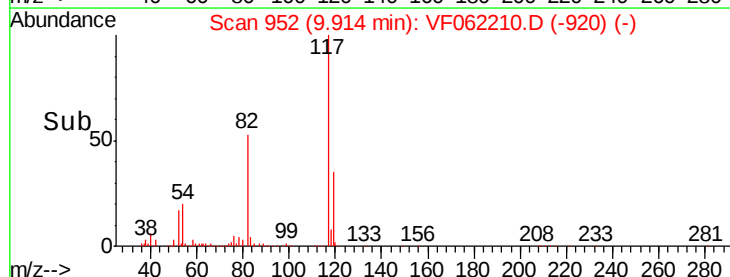
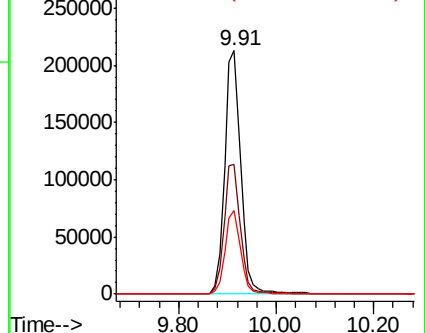
119 34.5 26.2 39.4

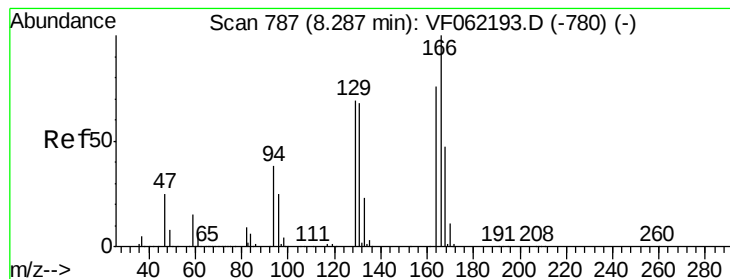


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.350 ug/l

RT: 8.31 min Scan# 789

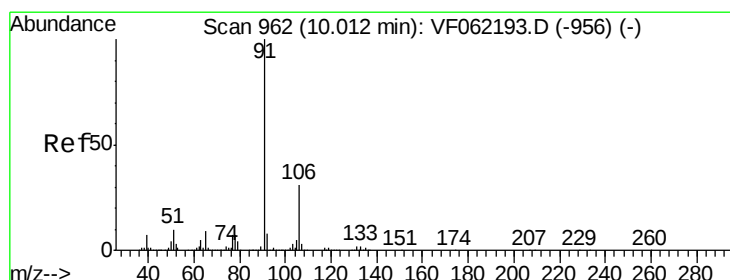
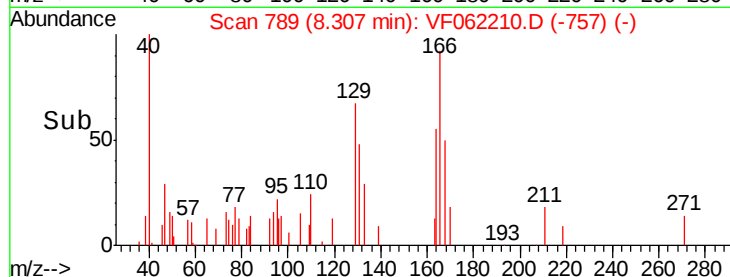
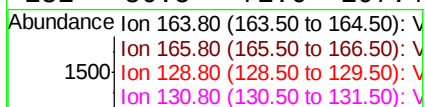
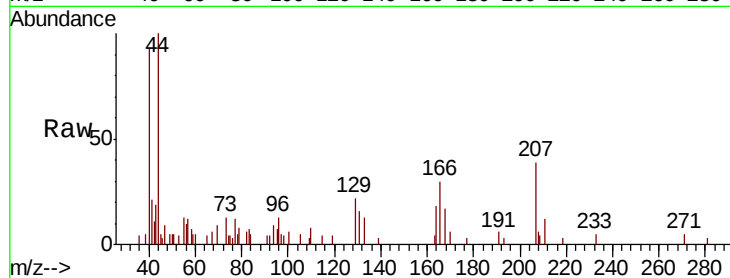
Delta R.T. 0.02 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:164	Resp:	1549
Ion	Ratio	Lower Upper
164	100	
166	166.1	104.7 157.1#
129	121.2	72.6 109.0#
131	86.5	71.6 107.4



#67

Ethyl Benzene

Concen: 0.259 ug/l

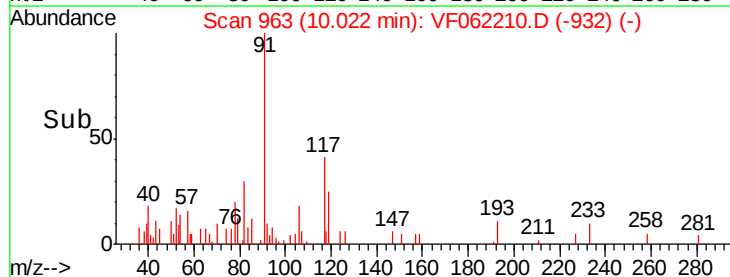
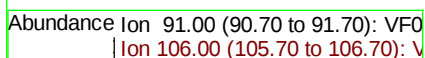
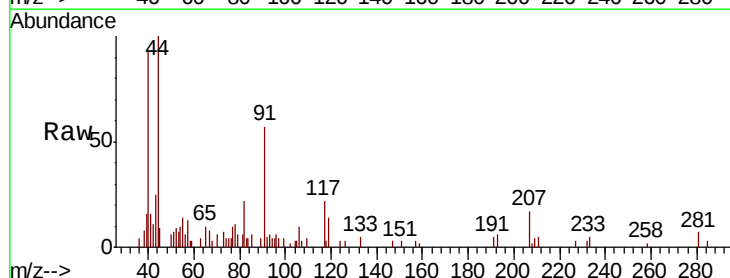
RT: 10.02 min Scan# 963

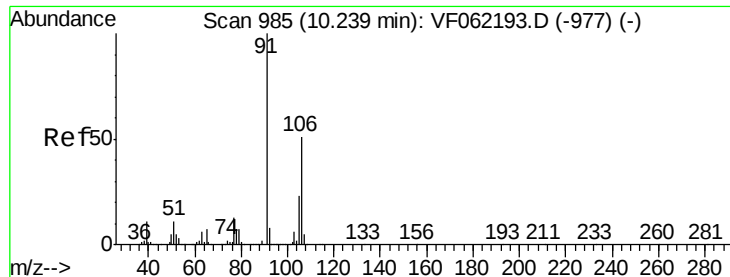
Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Tgt Ion: 91	Resp:	4917
Ion	Ratio	Lower Upper
91	100	
106	18.3	24.9 37.3#

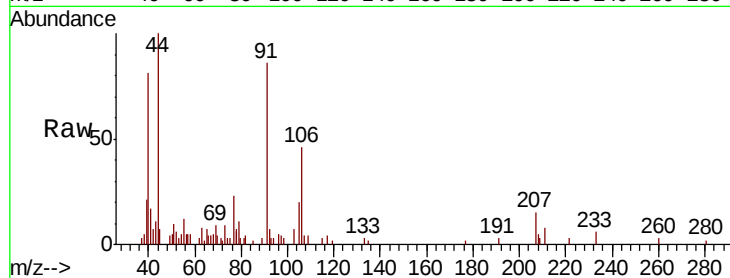




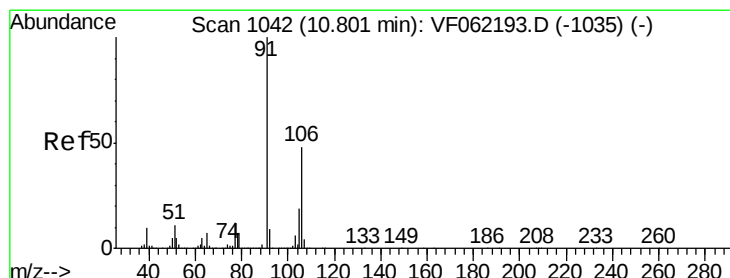
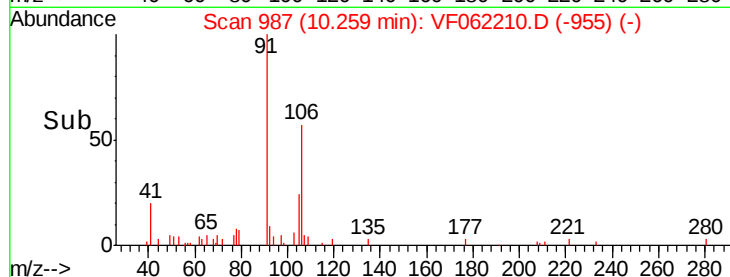
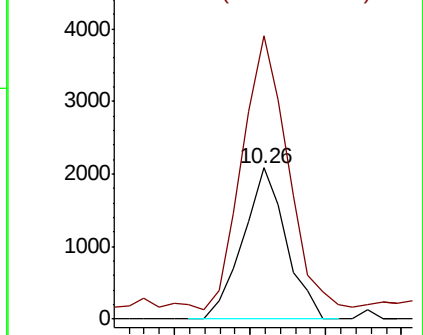
#68
m/p-Xylenes
Concen: 0.592 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.02 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 4139
Ion Ratio Lower Upper
106 100
91 201.9 159.1 238.7

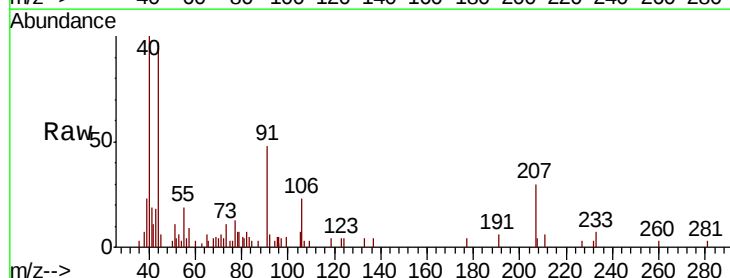


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

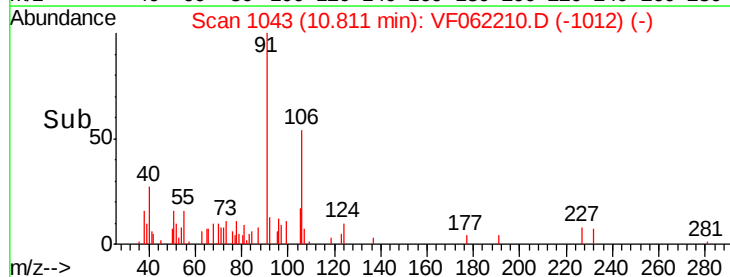
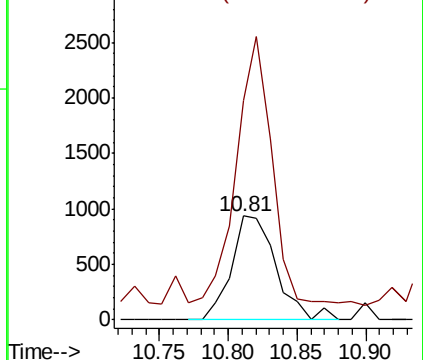


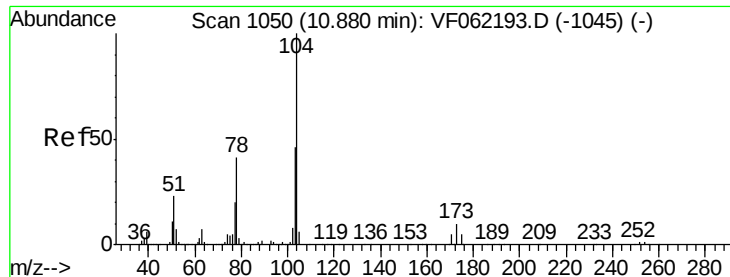
#69
o-Xylene
Concen: 0.271 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion:106 Resp: 2107
Ion Ratio Lower Upper
106 100
91 241.2 107.5 322.4



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

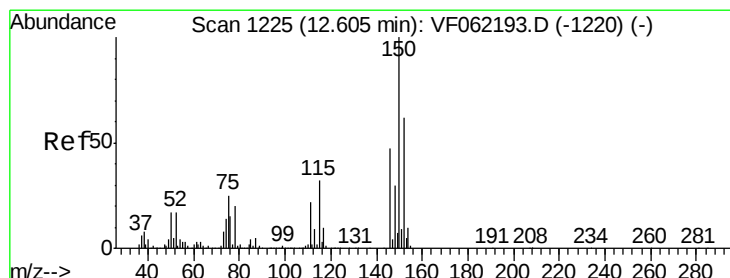
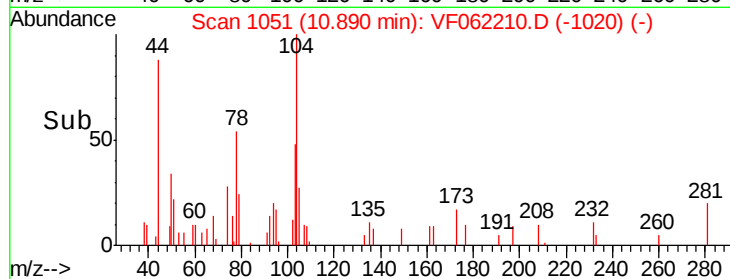
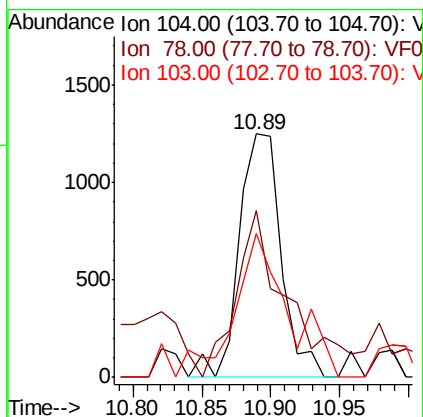
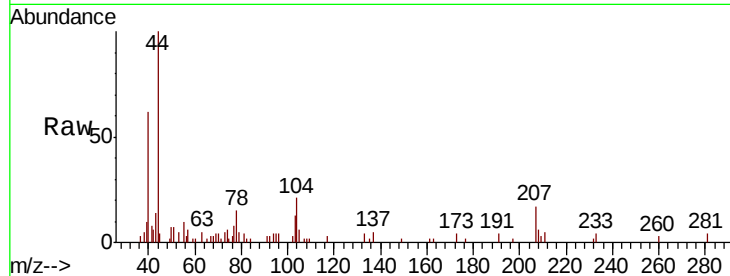




#70
Stvrene
Concen: 0.244 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

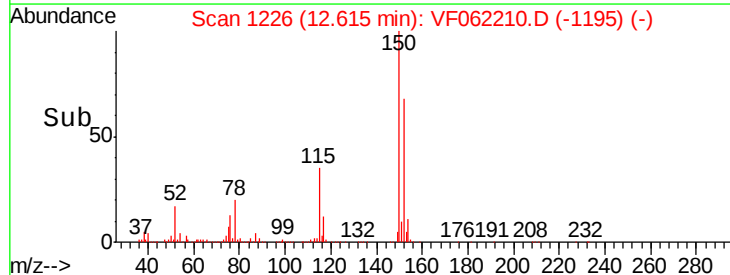
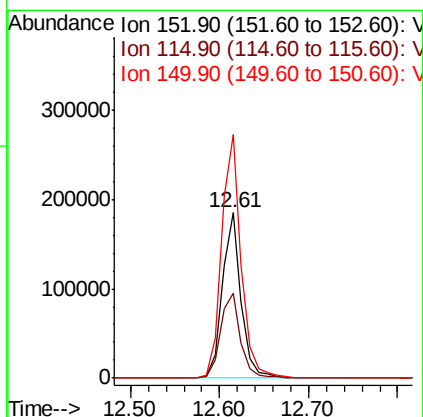
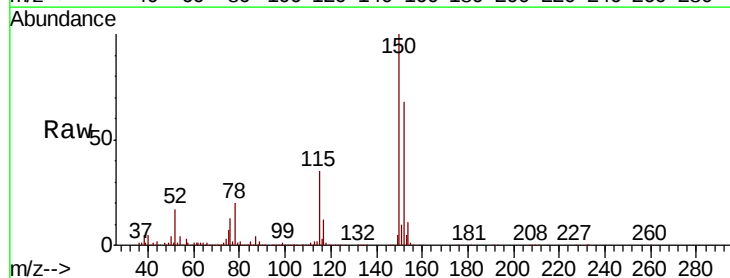
Instrument :
MSVOA_F
ClientSampleId :

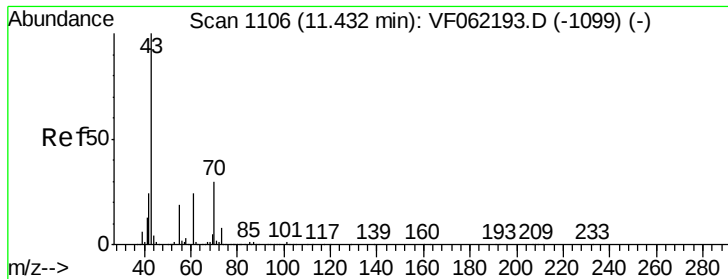
Tot Ion:104 Resp: 2673
Ion Ratio Lower Upper
104 100
78 84.1 34.5 51.7#
103 75.9 37.2 55.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion:152 Resp: 274620
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.3
150 153.1 0.0 341.8





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062210.D

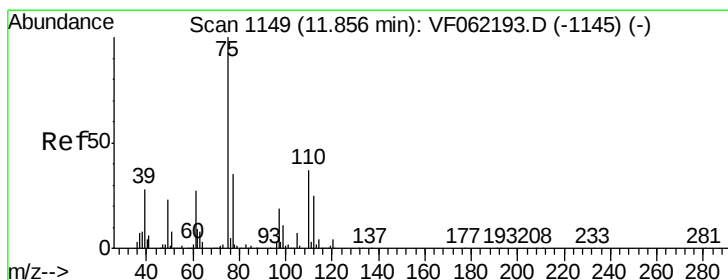
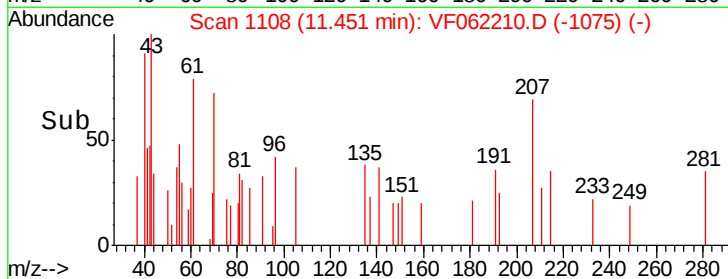
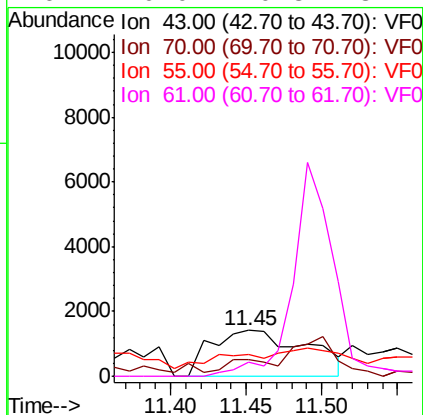
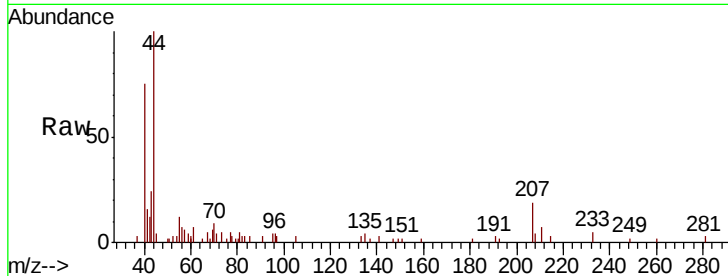
Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	43	Resp:	6233
Ion	Ratio	Lower	Upper
43	100		
70	13.9	27.0	40.4#
55	18.3	15.7	23.5
61	0.0	20.8	31.2#



#76

1,2,3-Trichloropropane

Concen: 0.288 ug/l

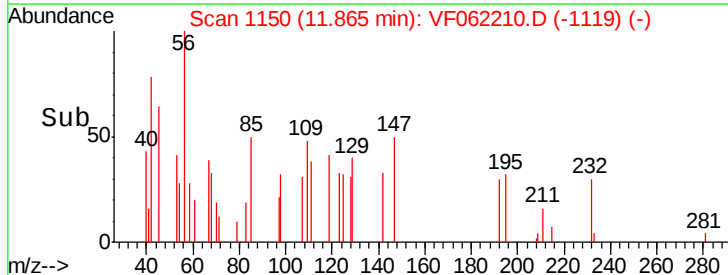
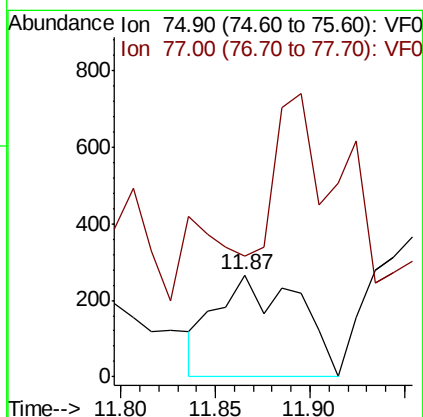
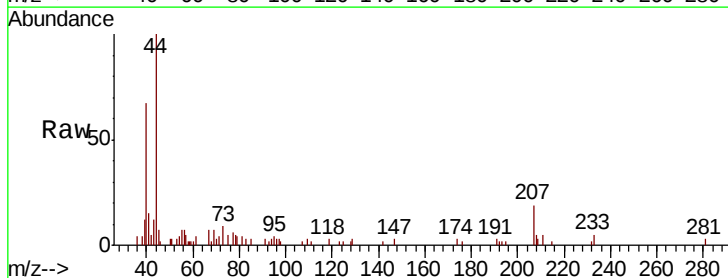
RT: 11.87 min Scan# 1150

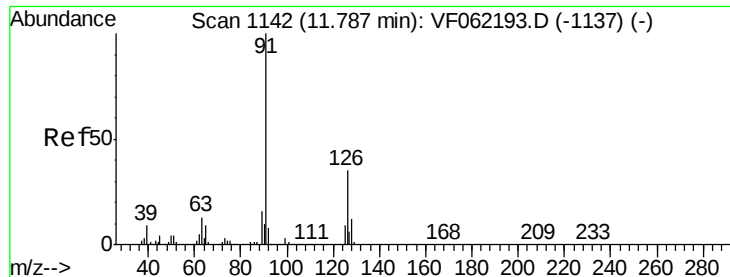
Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Tgt Ion:	75	Resp:	803
Ion	Ratio	Lower	Upper
75	100		
77	0.0	7.4	22.2#

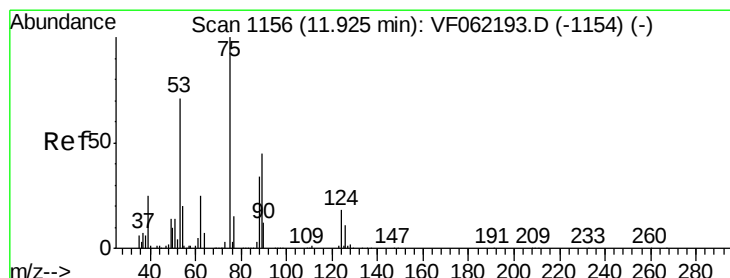
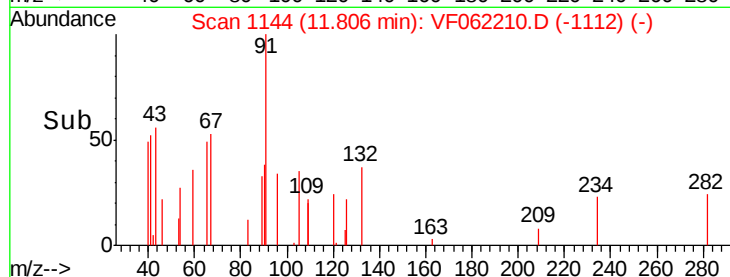
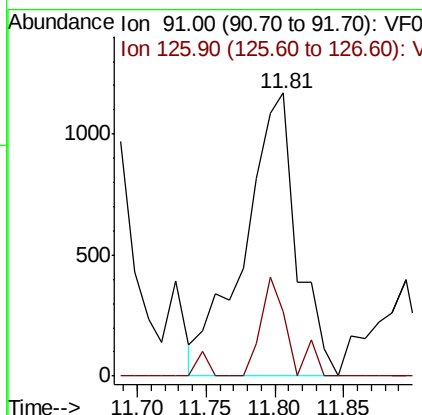
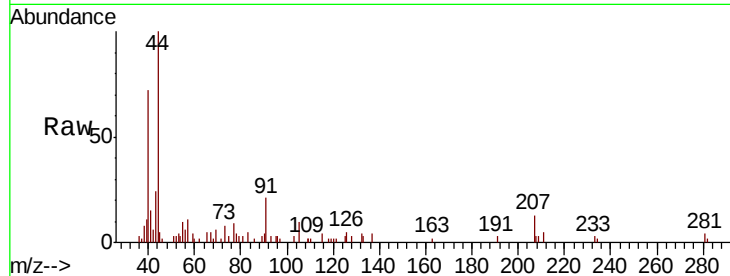




#79
2-Chlorotoluene
Concen: 0.206 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

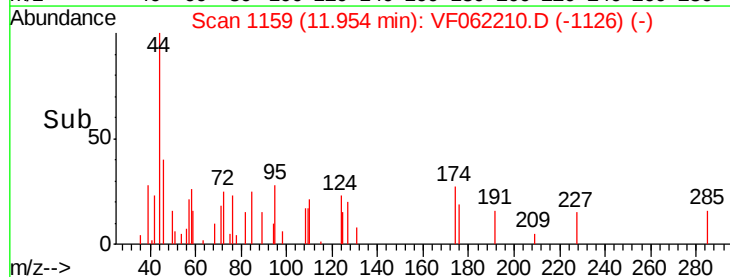
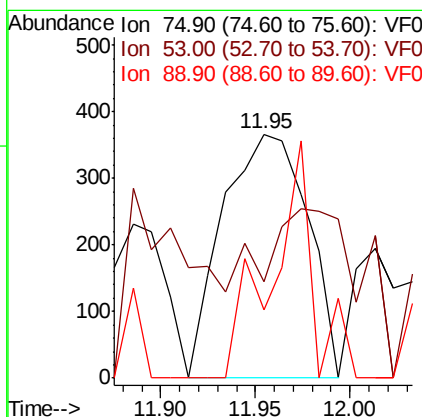
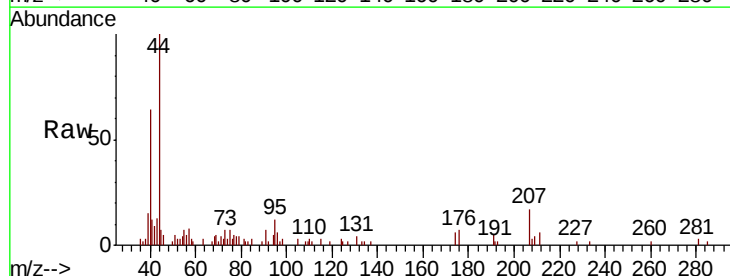
Instrument :
MSVOA_F
ClientSampled :

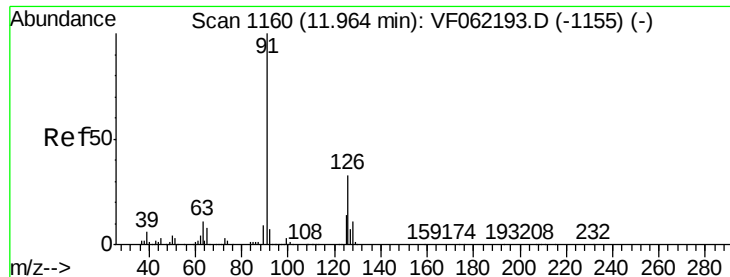
Tot Ion: 91 Resp: 3103
Ion Ratio Lower Upper
91 100
126 18.3 16.9 50.6



#81
trans-1,4-Dichloro-2-butene
Concen: 0.804 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.03 min
Lab File: VF062210.D
Acq: 18 Apr 2019 17:40

Tgt Ion: 75 Resp: 1145
Ion Ratio Lower Upper
75 100
53 85.1 50.2 75.4#
89 47.6 0.0 0.0#





#82

4-Chlorotoluene

Concen: 0.203 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

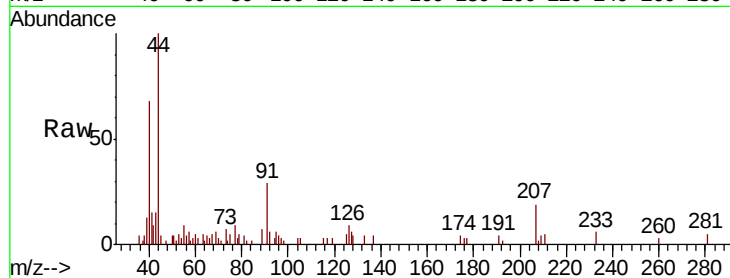
ClientSampleId :

Tot Ion: 91 Resp: 2962

Ion Ratio Lower Upper

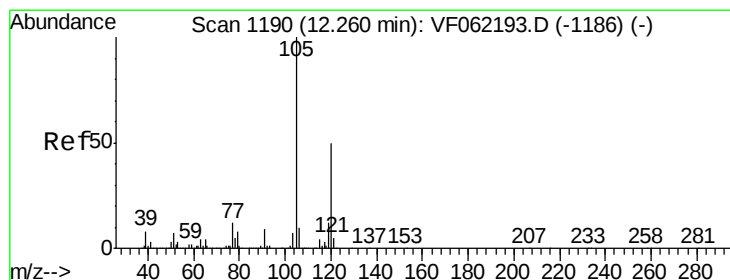
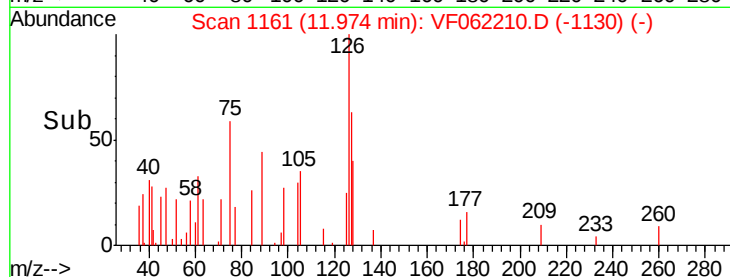
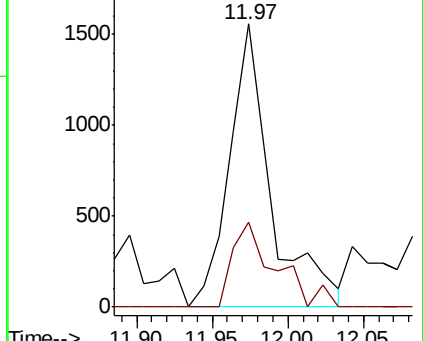
91 100

126 31.3 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.259 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062210.D

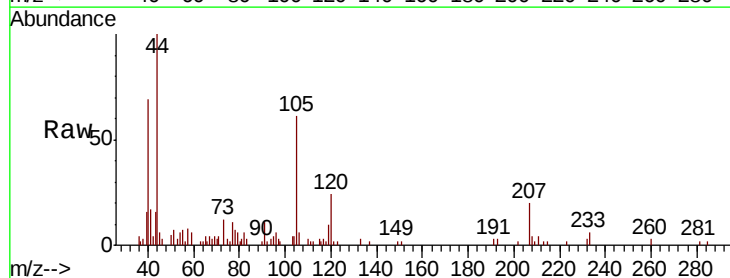
Acq: 18 Apr 2019 17:40

Tgt Ion:105 Resp: 4920

Ion Ratio Lower Upper

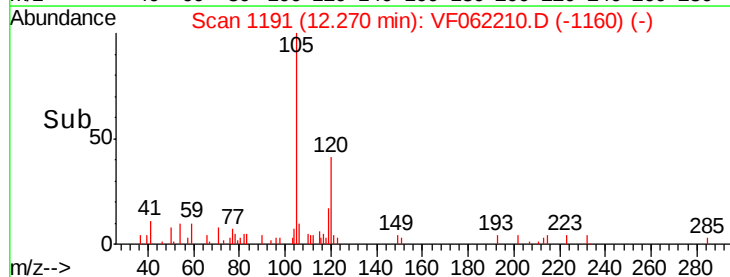
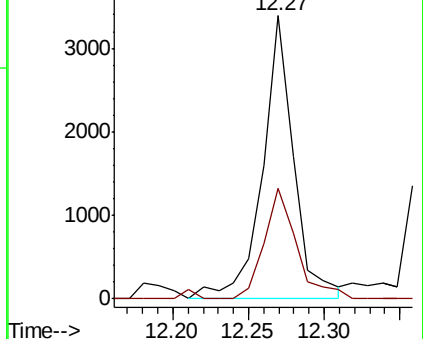
105 100

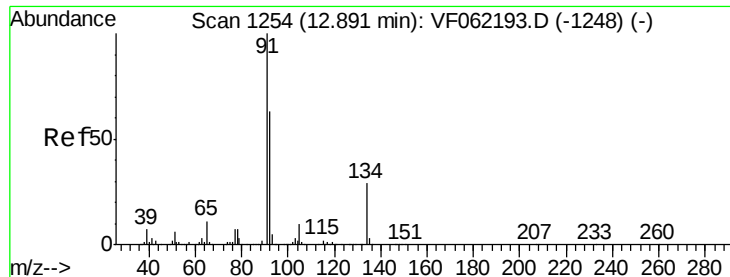
120 40.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

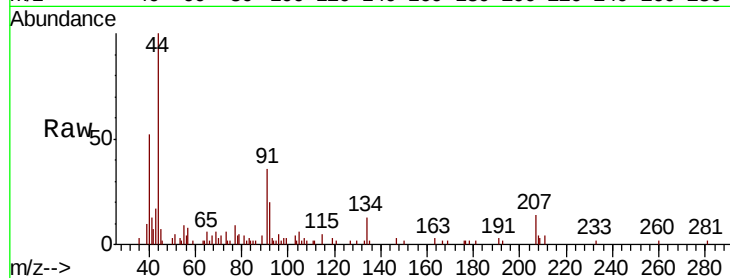
Tot Ion: 91 Resp: 3176

Ion Ratio Lower Upper

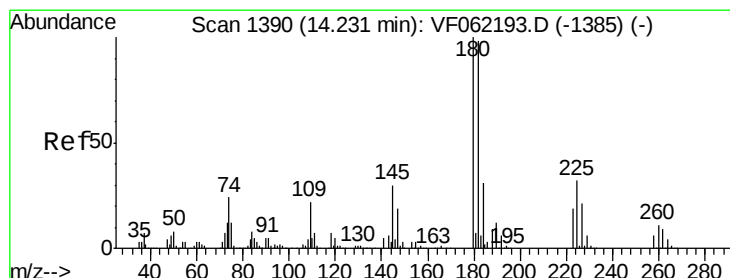
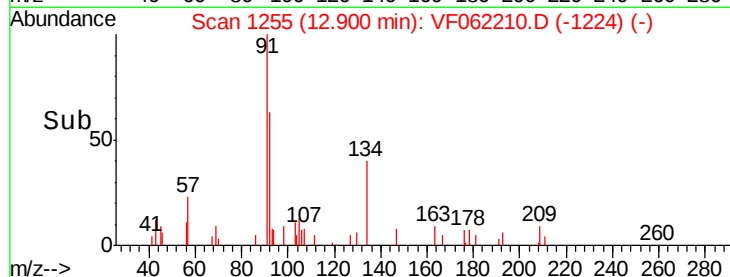
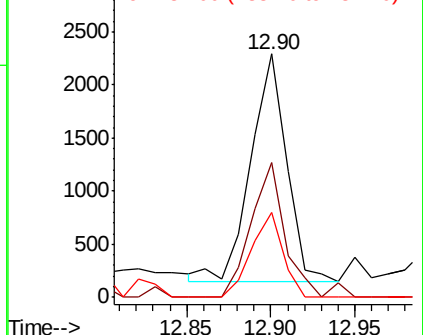
91 100

92 57.6 31.2 93.6

134 32.7 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 0.219 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

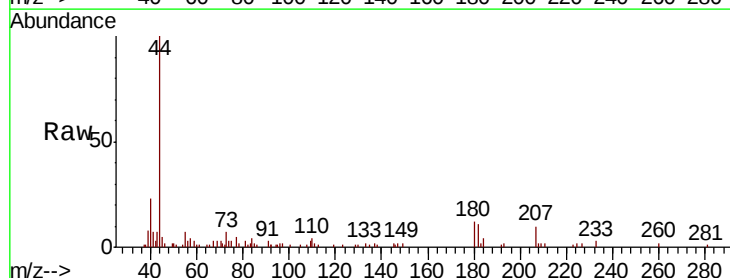
Tgt Ion: 180 Resp: 1657

Ion Ratio Lower Upper

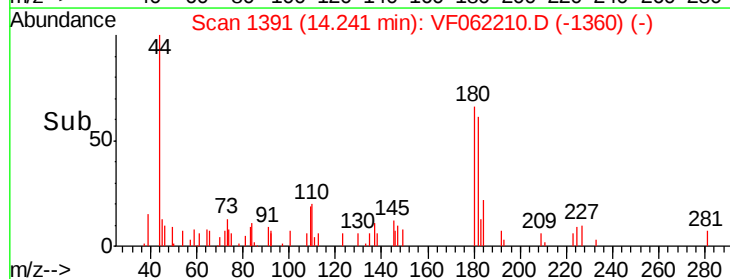
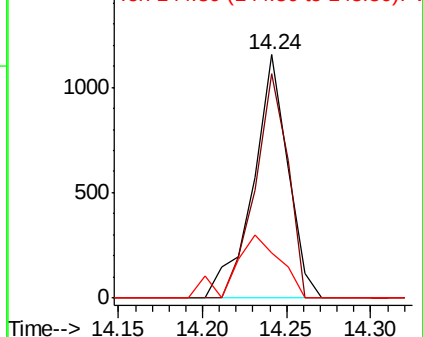
180 100

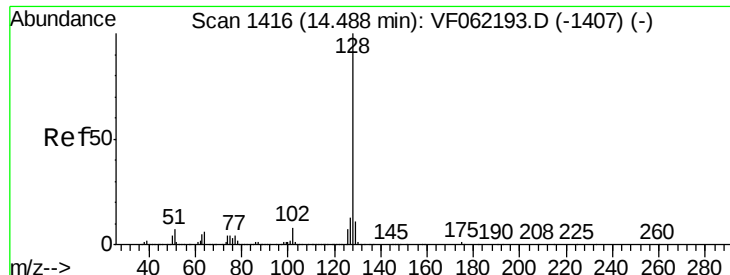
182 86.4 49.3 147.9

145 33.8 18.1 54.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.530 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062210.D

Acq: 18 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

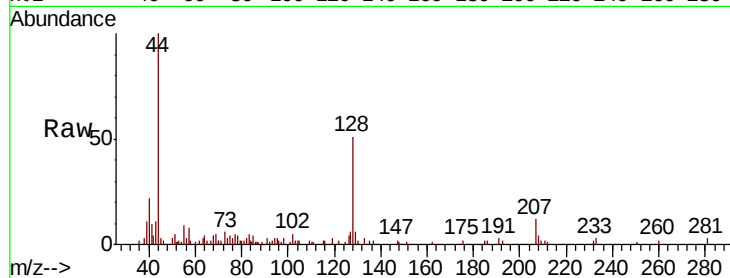
Tot Ion:128 Resp: 7021

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 10.9 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

