

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF042319\
 Data File : VF062264.D
 Acq On : 23 Apr 2019 15:25
 Operator : FY/SY
 Sample : K2484-03
 Misc : 7.07g/5mL/MSVOA_F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 200027

Quant Time: Apr 23 15:51:40 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	285206	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	363014	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	270934	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	153721	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	94627	36.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.36%	
35) Dibromofluoromethane	4.31	113	130026	40.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	81.90%	
50) Toluene-d8	7.72	98	272708	33.93	ug/l	0.02
Spiked Amount 50.000			Recovery	=	67.86%	
62) 4-Bromofluorobenzene	11.50	95	114501	37.03	ug/l	0.02
Spiked Amount 50.000			Recovery	=	74.06%	

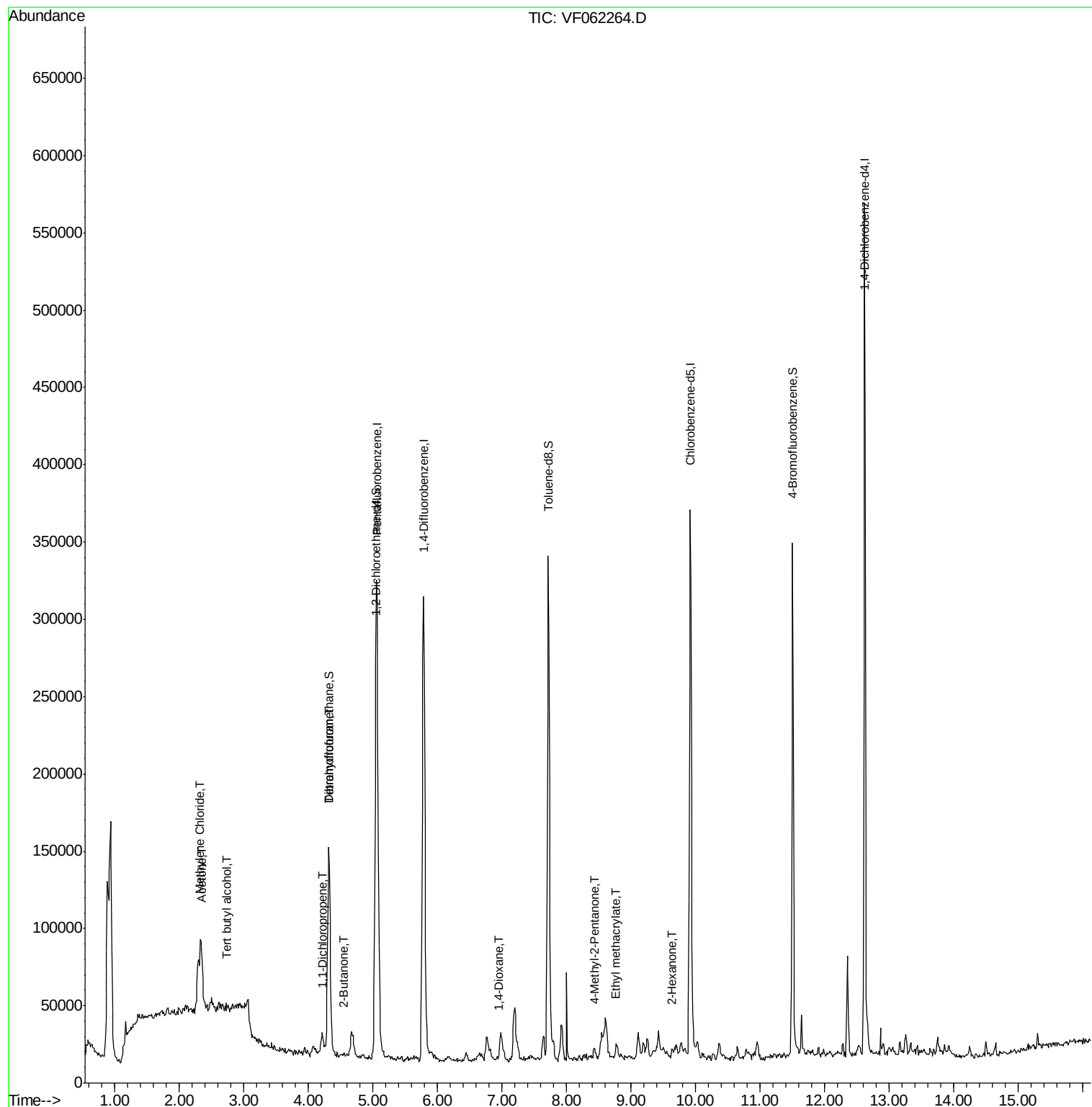
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	656	3.609	ug/l #	19
13) Acrolein	2.07	56	918	Below Cal	#	1
16) Acetone	2.35	43	15808	25.289	ug/l #	76
18) Methyl Acetate	2.45	43	1028	Below Cal	#	67
20) Methylene Chloride	2.33	84	43724	9.123	ug/l	92
25) 2-Butanone	4.54	43	4820	3.856	ug/l	95
29) Tetrahydrofuran	4.30	42	870	1.538	ug/l #	58
36) 1,1-Dichloropropene	4.22	75	24225	5.566	ug/l #	43
49) 1,4-Dioxane	6.94	88	65	3.993	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	6652	4.140	ug/l #	73
56) Ethyl methacrylate	8.77	69	5924	3.091	ug/l #	67
59) 2-Hexanone	9.64	43	5945	6.068	ug/l	79
74) N-amyl acetate	11.41	43	679	Below Cal	#	33
89) n-Butylbenzene	12.90	91	2419	Below Cal		93

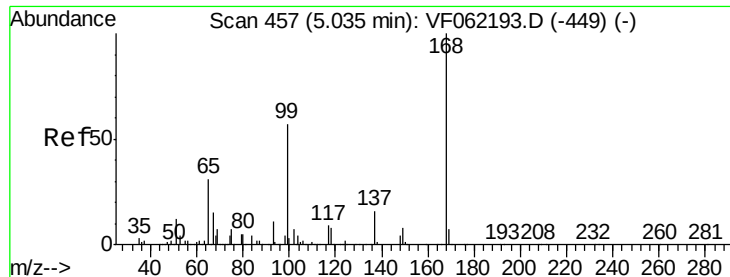
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF042319\
Data File : VF062264.D
Acq On : 23 Apr 2019 15:25
Operator : FY/SY
Sample : K2484-03
Misc : 7.07g/5mL/MSVOA_F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
200027

Quant Time: Apr 23 15:51:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

Instrument :

MSVOA_F

ClientSampleId :

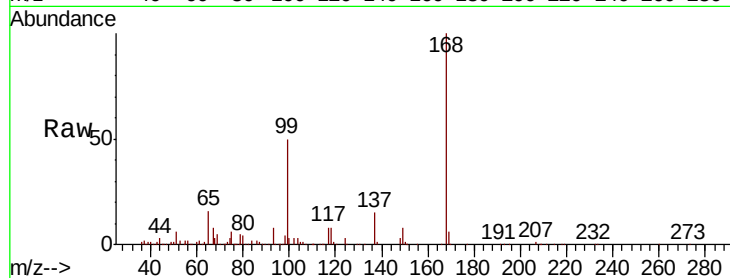
200027

Tgt Ion:168 Resp: 285206

Ion Ratio Lower Upper

168 100

99 49.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.06

100000

80000

60000

40000

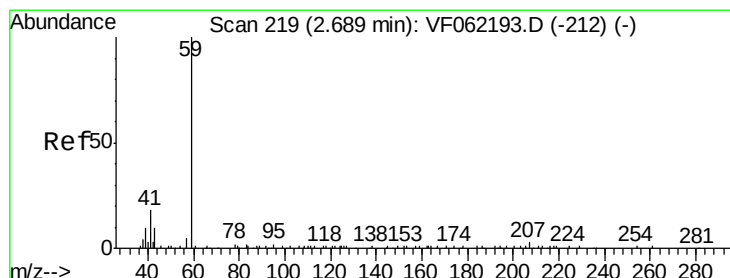
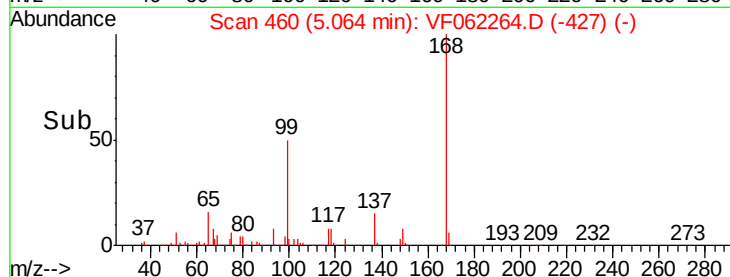
20000

0

Time-->

5.00

5.20



#11

Tert butyl alcohol

Concen: 3.609 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.03 min

Lab File: VF062264.D

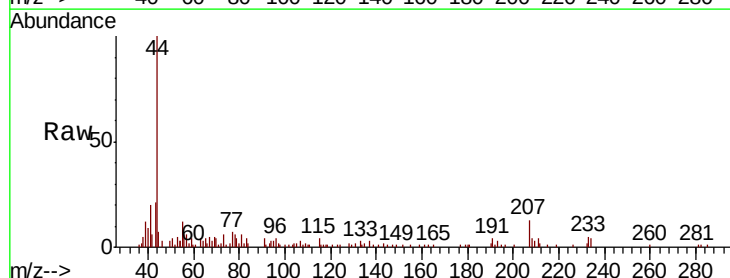
Acq: 23 Apr 2019 15:25

Tgt Ion: 59 Resp: 656

Ion Ratio Lower Upper

59 100

57 42.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.72

800

600

400

200

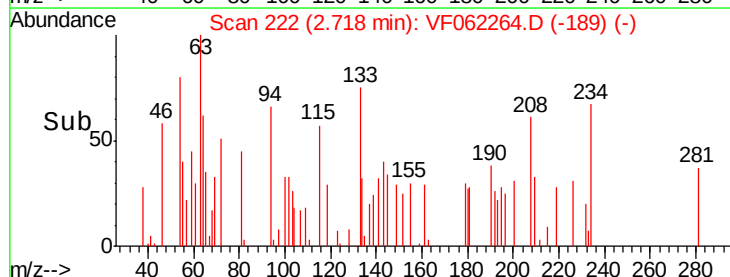
0

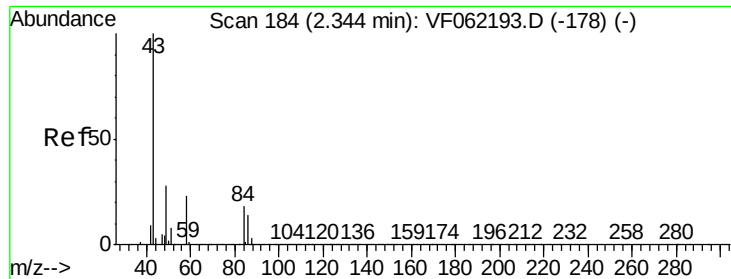
Time-->

2.65

2.70

2.75

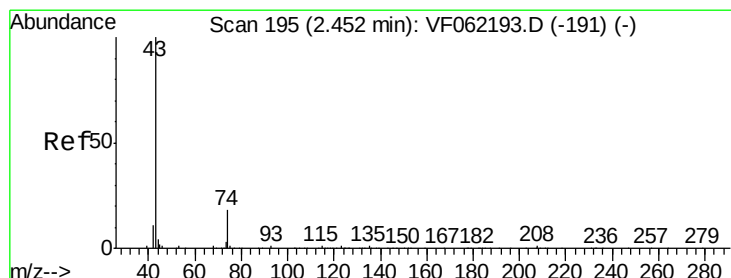
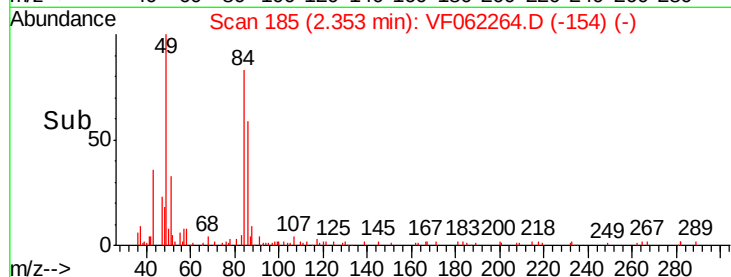
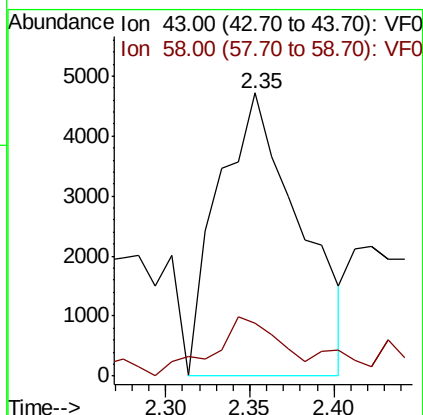
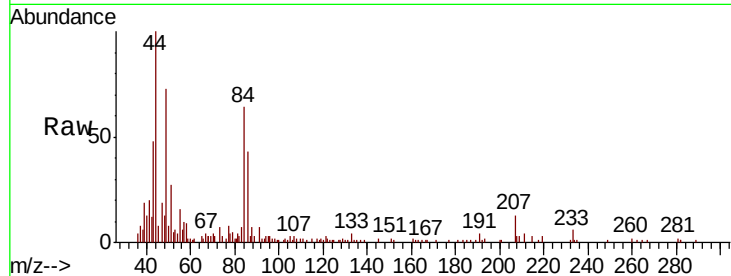




#16
Acetone
Concen: 25.289 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

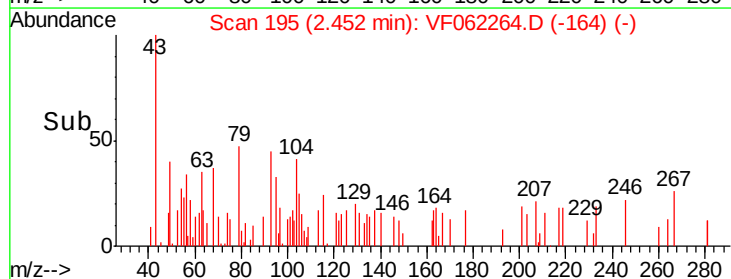
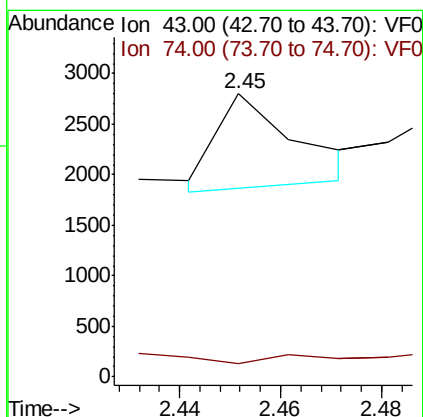
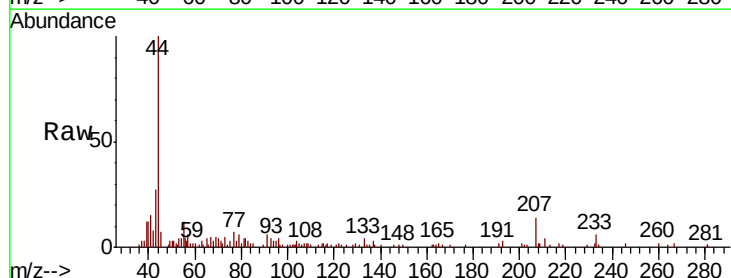
Instrument :
MSVOA_F
ClientSampleId :
200027

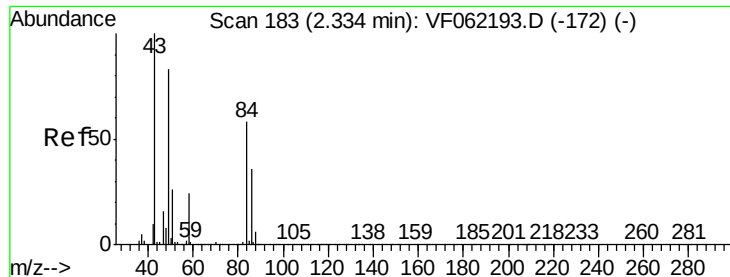
Tgt Ion: 43 Resp: 15808
Ion Ratio Lower Upper
43 100
58 11.7 18.8 28.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
74 32.9 14.5 21.7#

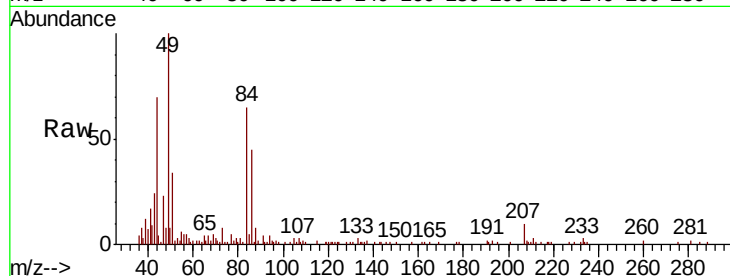




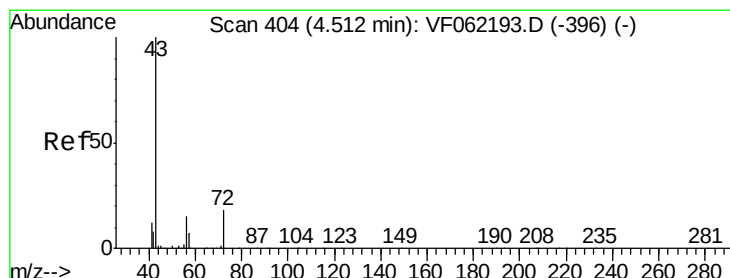
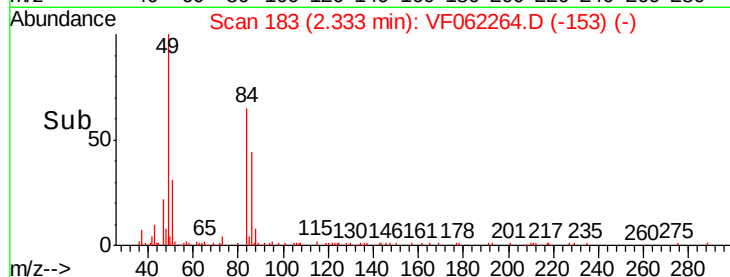
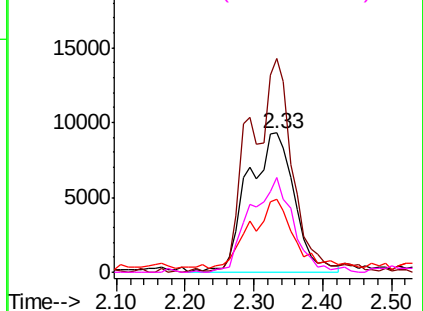
#20
Methylene Chloride
Concen: 9.123 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Instrument :
MSVOA_F
ClientSampleId :
200027

Tgt Ion: 84 Resp: 43724
Ion Ratio Lower Upper
84 100
49 152.5 114.0 171.0
51 49.6 37.0 55.4
86 68.5 49.8 74.8

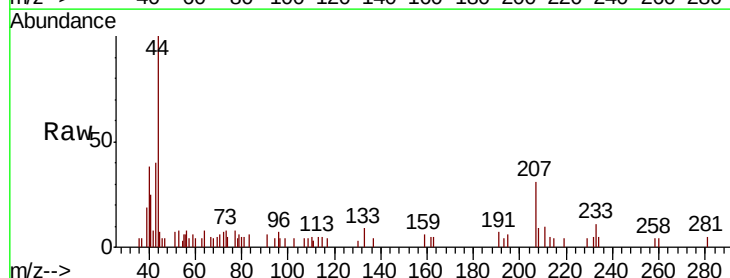


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

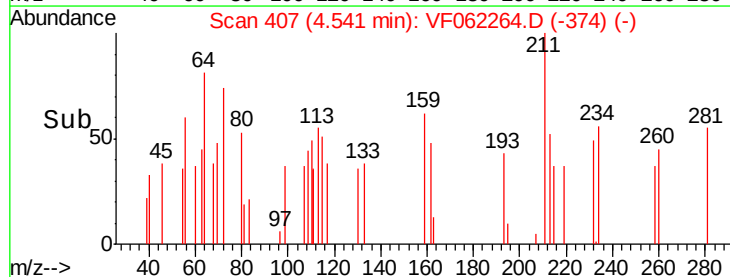
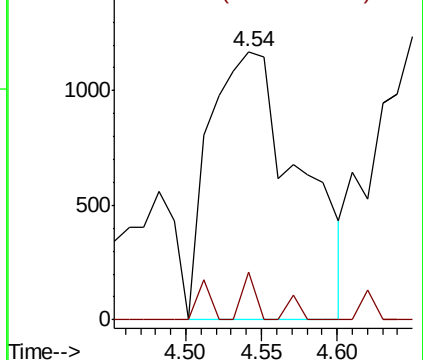


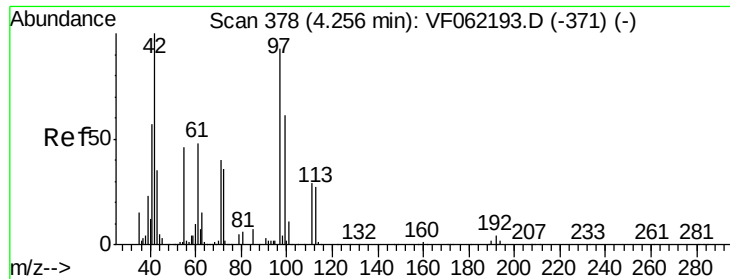
#25
2-Butanone
Concen: 3.856 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.03 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Tgt Ion: 43 Resp: 4820
Ion Ratio Lower Upper
43 100
72 17.9 16.1 24.1



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





#29

Tetrahydrofuran

Concen: 1.538 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.05 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

Instrument :

MSVOA_F

ClientSampleId :

200027

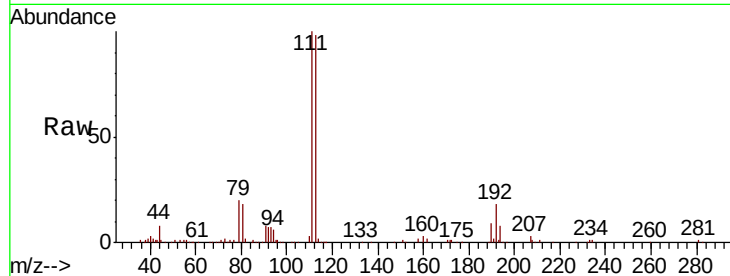
Tgt Ion: 42 Resp: 870

Ion Ratio Lower Upper

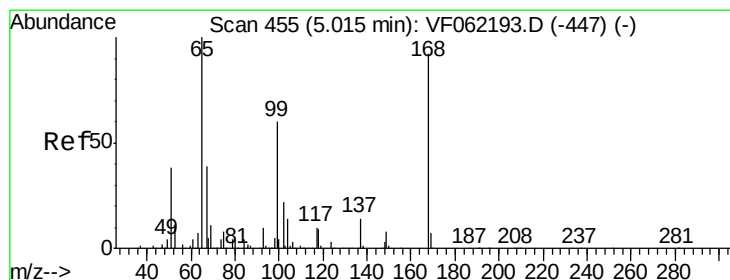
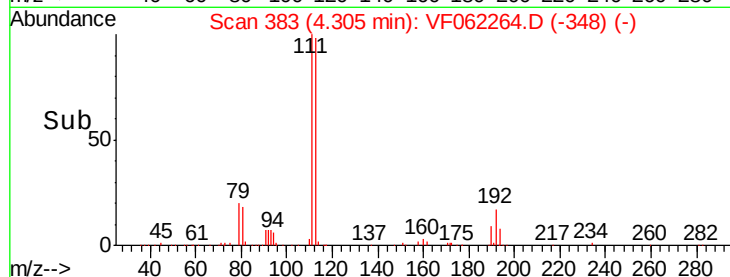
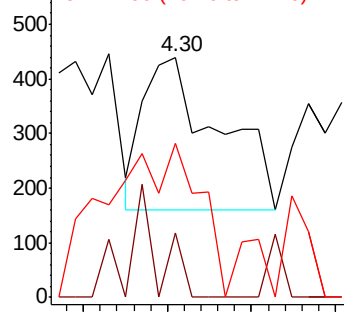
42 100

72 29.3 28.6 43.0

71 79.2 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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062264.D

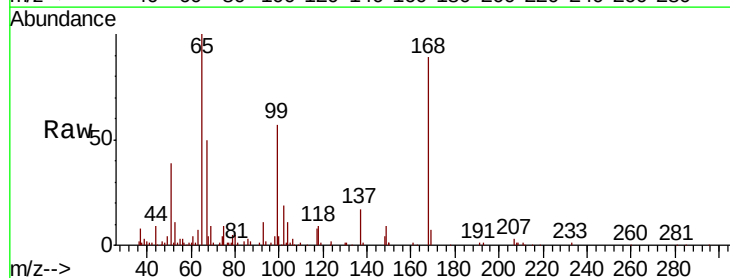
Acq: 23 Apr 2019 15:25

Tgt Ion: 65 Resp: 94627

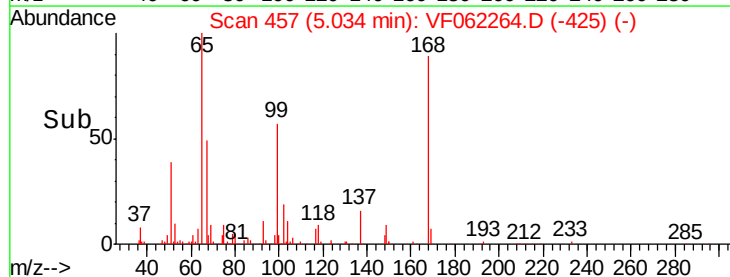
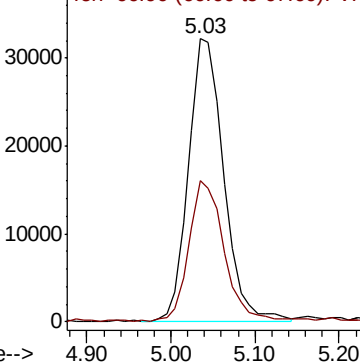
Ion Ratio Lower Upper

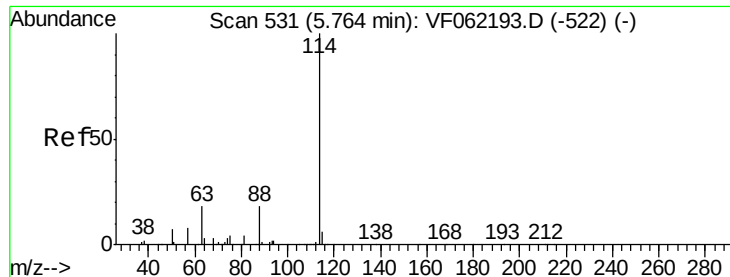
65 100

67 50.7 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0
Ion 66.90 (66.60 to 67.60): VF0

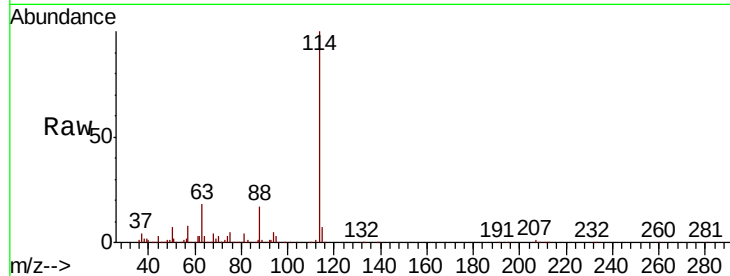




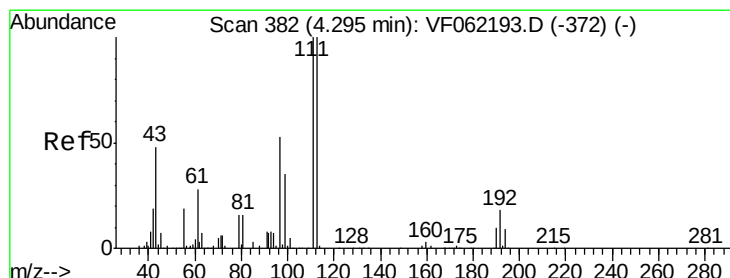
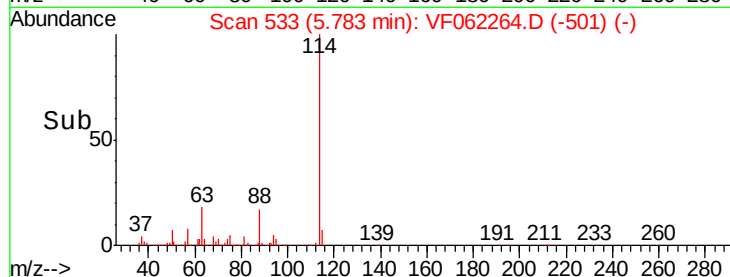
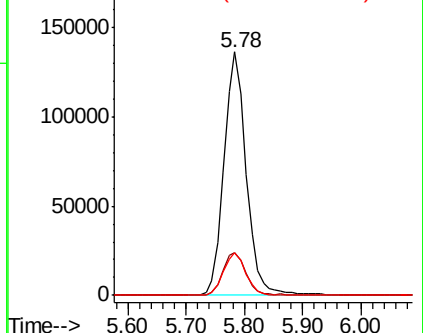
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.02 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Instrument :
MSVOA_F
ClientSampleId :
200027

Tgt Ion:114 Resp: 363014
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.6
88 17.4 0.0 35.8

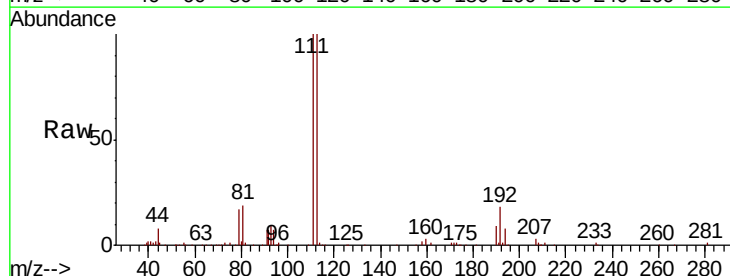


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 87.90 (87.60 to 88.60): VF0

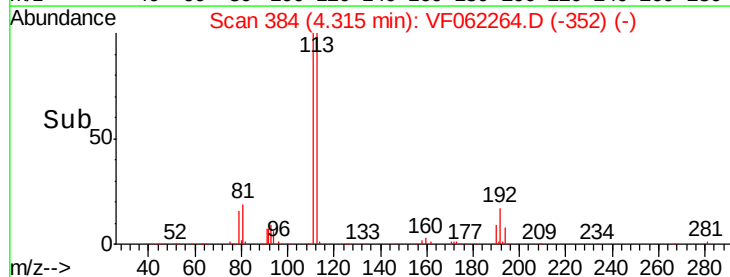
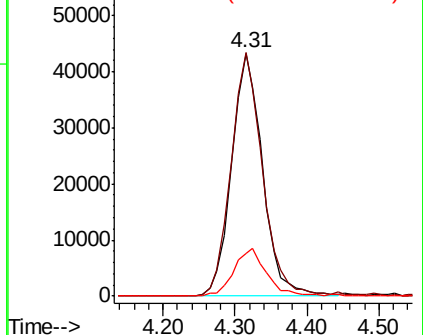


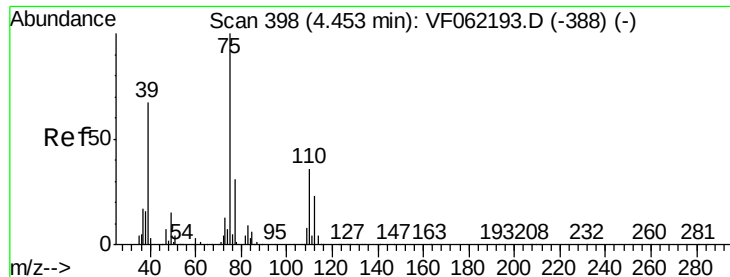
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Tgt Ion:113 Resp: 130026
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 20.9 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: 5.566 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.24 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

Instrument :

MSVOA_F

ClientSampleId :

200027

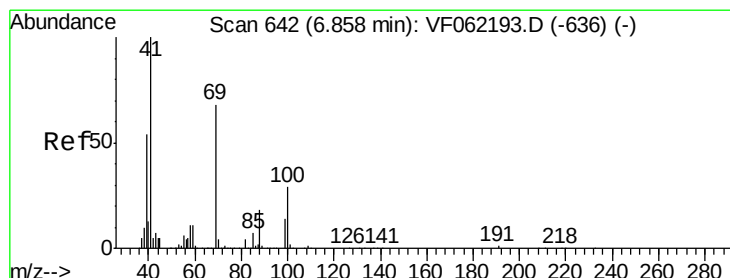
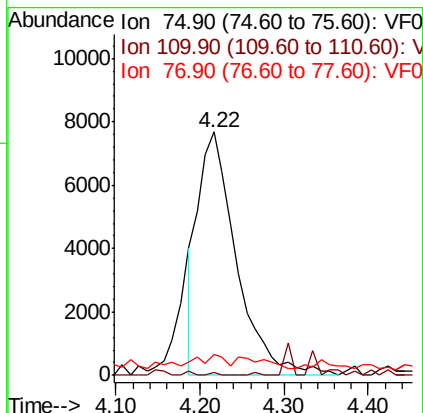
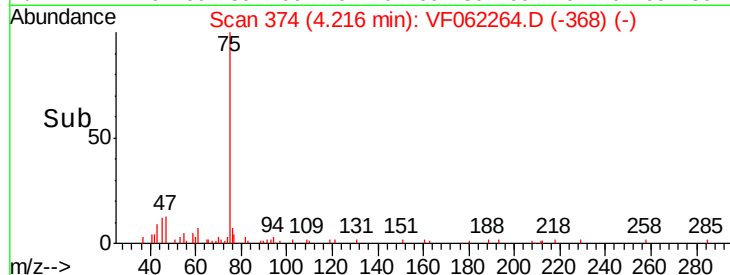
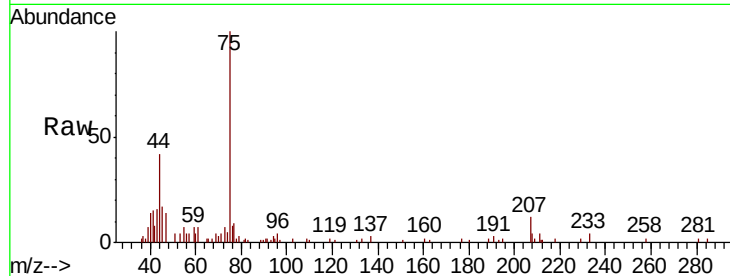
Tgt Ion: 75 Resp: 24225

Ion Ratio Lower Upper

75 100

110 0.3 18.4 55.2#

77 2.7 25.4 38.2#



#49

1,4-Dioxane

Concen: 3.993 ug/l

RT: 6.94 min Scan# 650

Delta R.T. 0.08 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

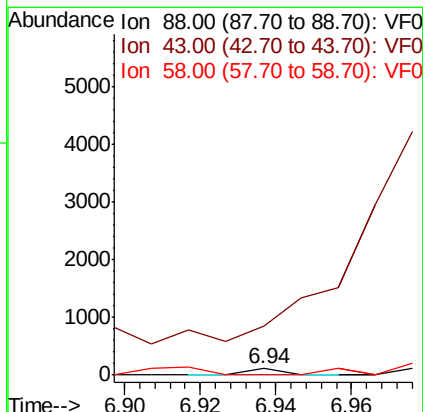
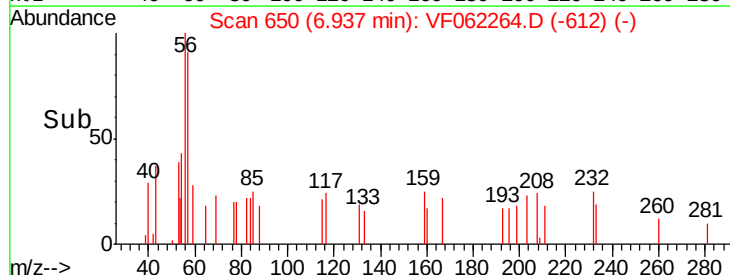
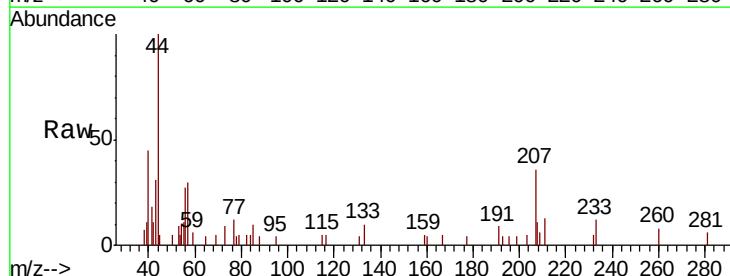
Tgt Ion: 88 Resp: 65

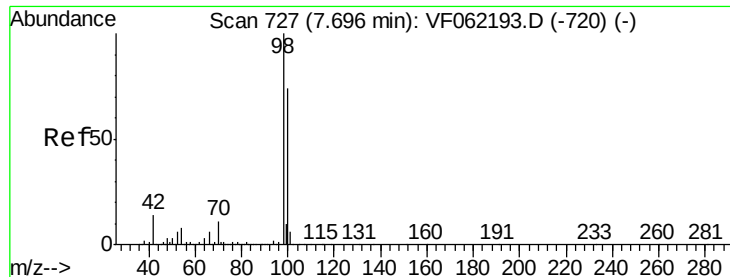
Ion Ratio Lower Upper

88 100

43 0.0 36.9 55.3#

58 229.2 56.8 85.2#

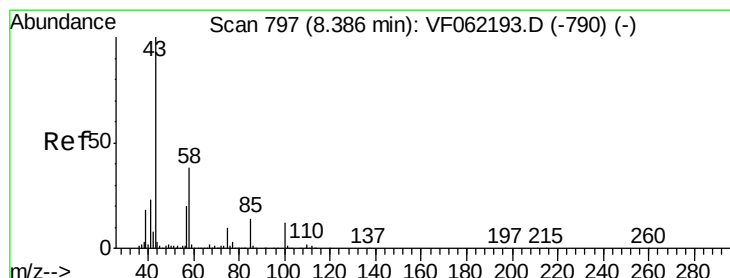
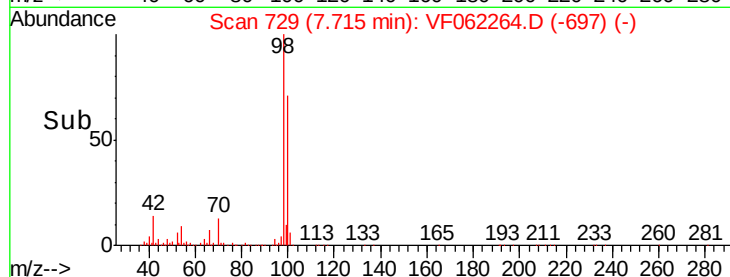
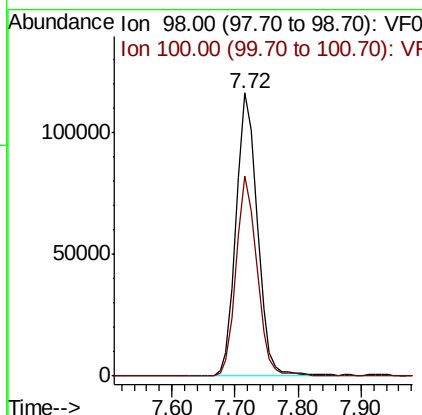
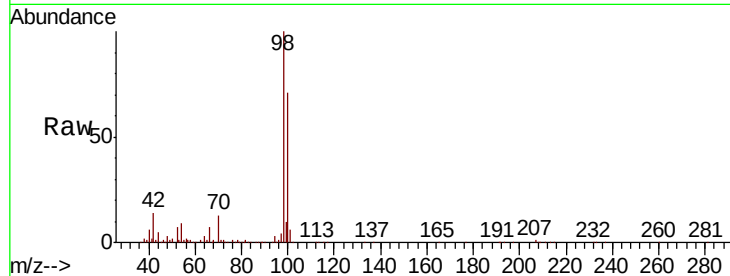




#50
Toluene-d8
Concen: 3.993 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

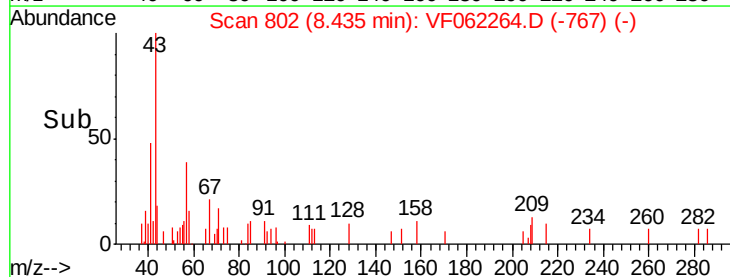
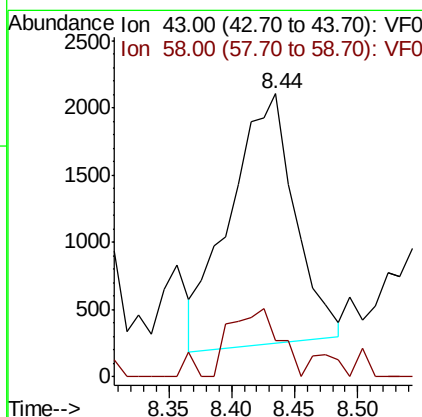
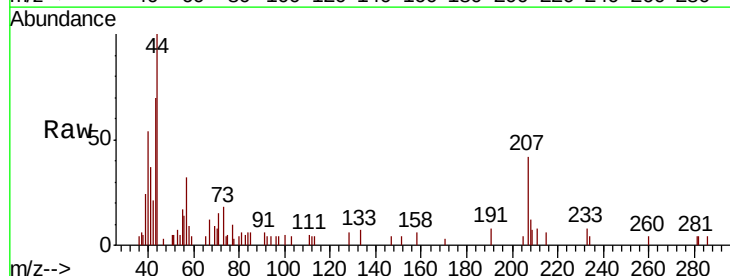
Instrument :
MSVOA_F
ClientSampleId :
200027

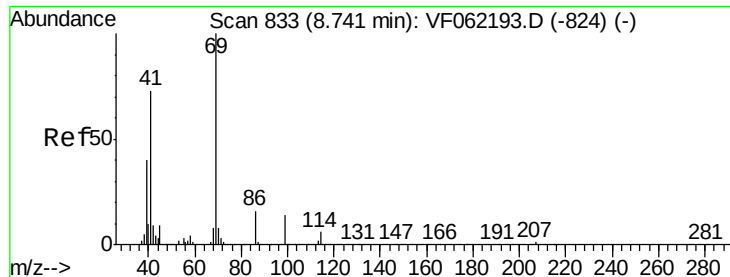
Tgt Ion: 98 Resp: 272708
Ion Ratio Lower Upper
98 100
100 68.7 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 4.140 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.05 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Tgt Ion: 43 Resp: 6652
Ion Ratio Lower Upper
43 100
58 20.3 29.3 43.9#





#56

Ethyl methacrylate

Concen: 3.091 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.03 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

Instrument :

MSVOA_F

ClientSampled :

200027

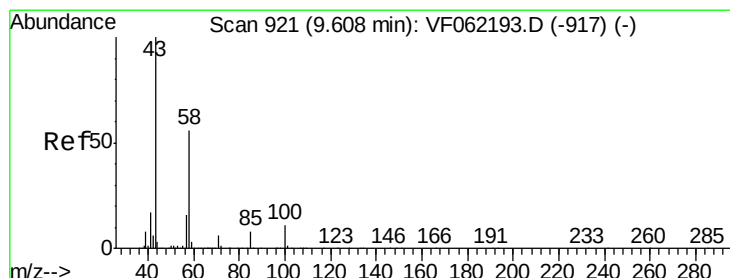
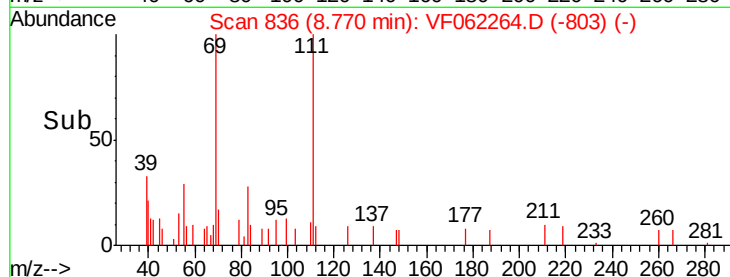
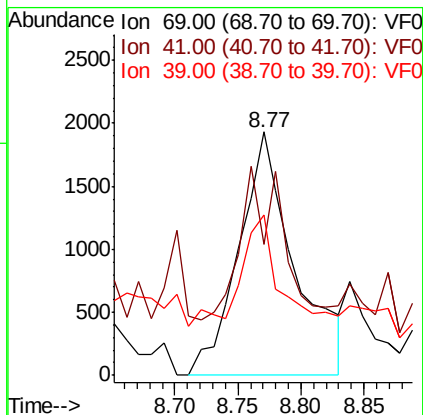
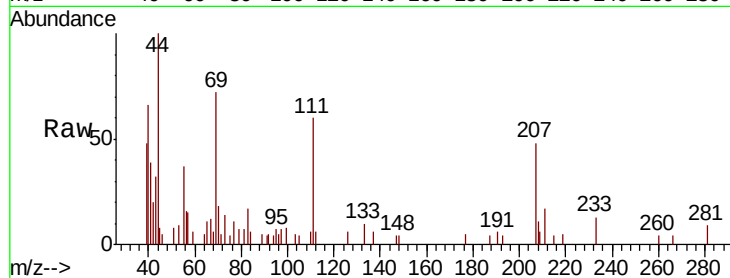
Tgt Ion: 69 Resp: 5924

Ion Ratio Lower Upper

69 100

41 46.7 61.5 92.3#

39 23.8 33.3 49.9#



#59

2-Hexanone

Concen: 6.068 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.03 min

Lab File: VF062264.D

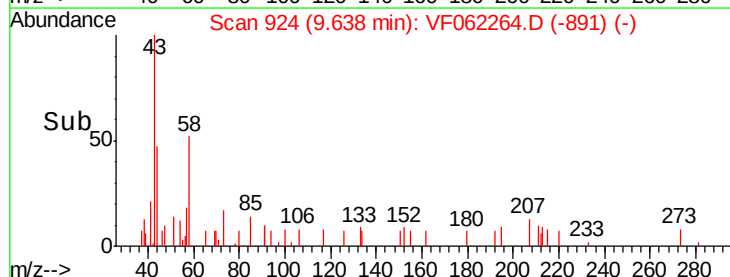
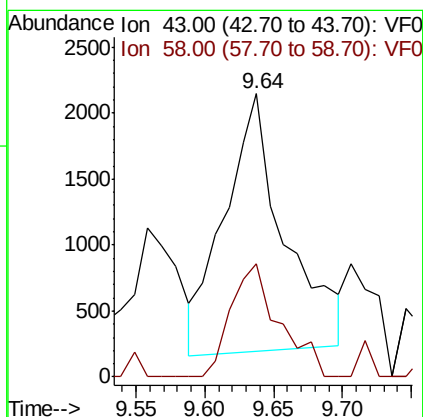
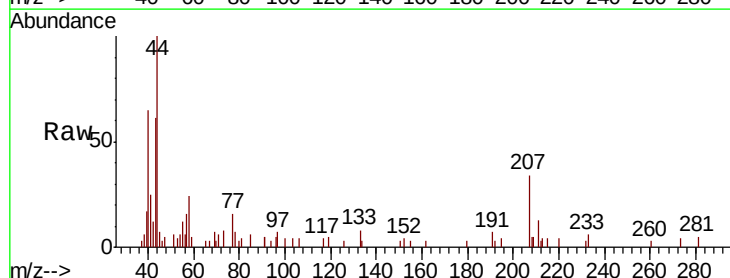
Acq: 23 Apr 2019 15:25

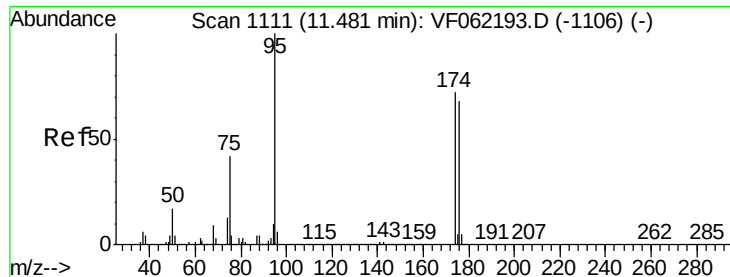
Tgt Ion: 43 Resp: 5945

Ion Ratio Lower Upper

43 100

58 35.3 24.6 74.0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

Instrument :

MSVOA_F

ClientSampleId :

200027

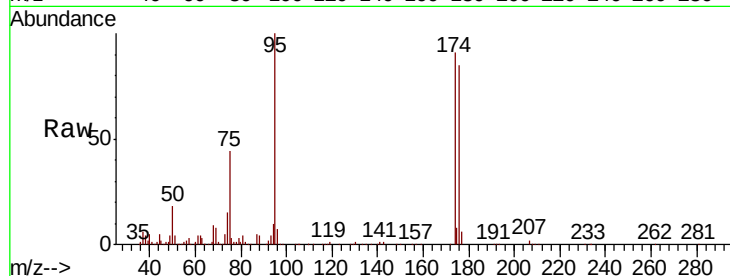
Tgt Ion: 95 Resp: 114501

Ion Ratio Lower Upper

95 100

174 95.8 0.0 159.4

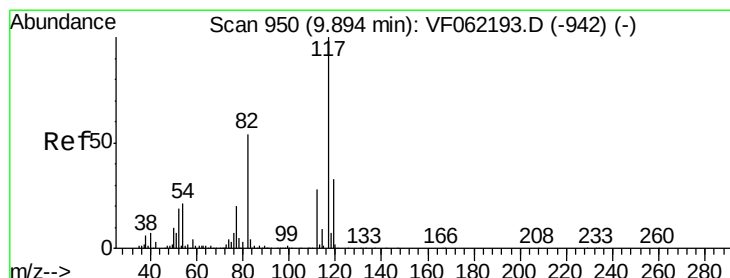
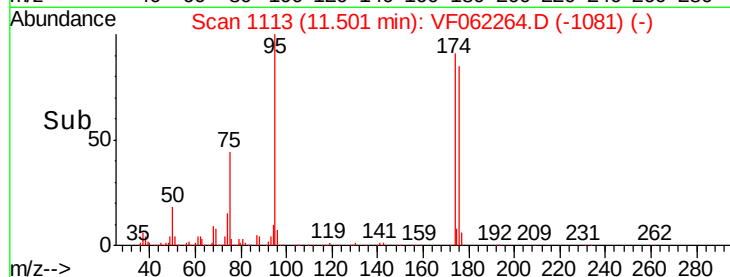
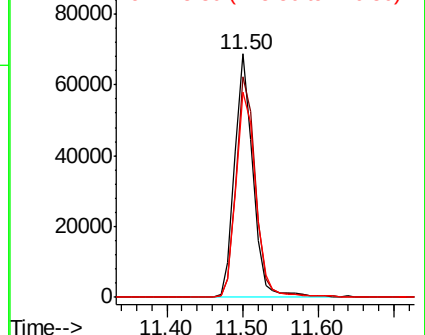
176 91.5 0.0 155.4



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: VF062264.D

Acq: 23 Apr 2019 15:25

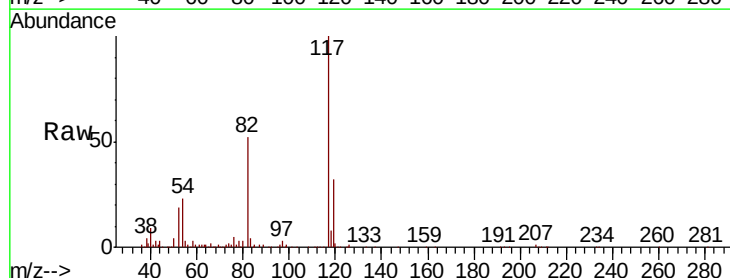
Tgt Ion: 117 Resp: 270934

Ion Ratio Lower Upper

117 100

82 51.7 43.2 64.8

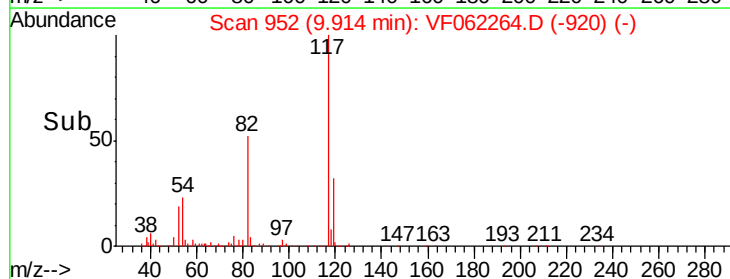
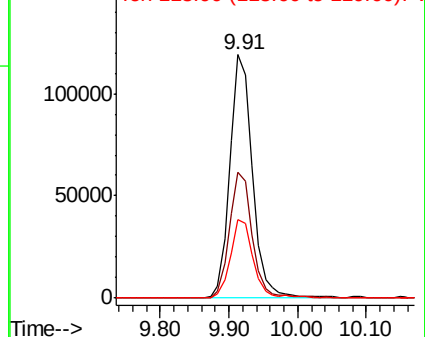
119 32.1 26.2 39.4

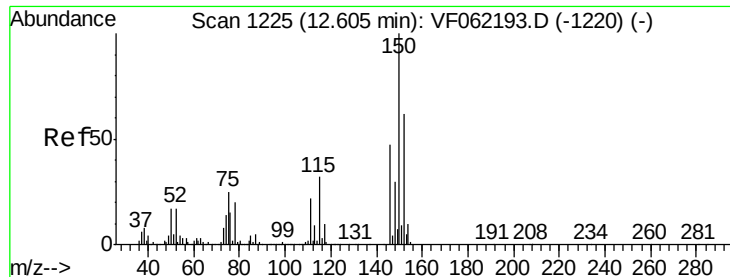


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



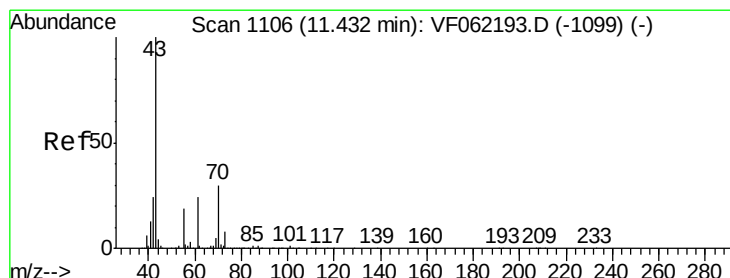
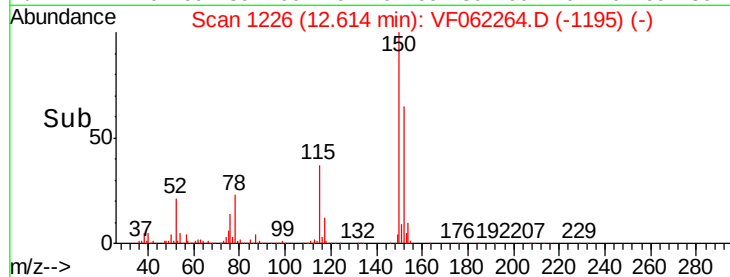
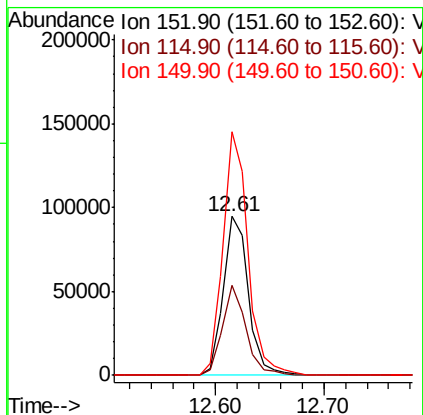
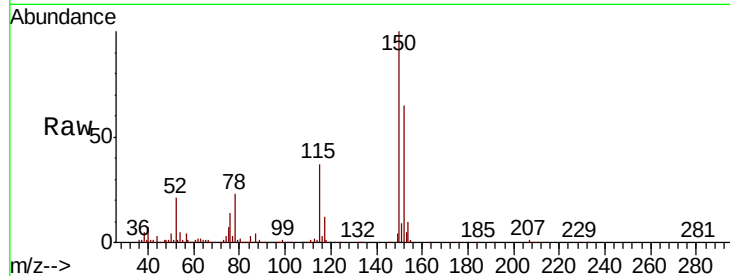


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Instrument :
MSVOA_F
ClientSampleId :
200027

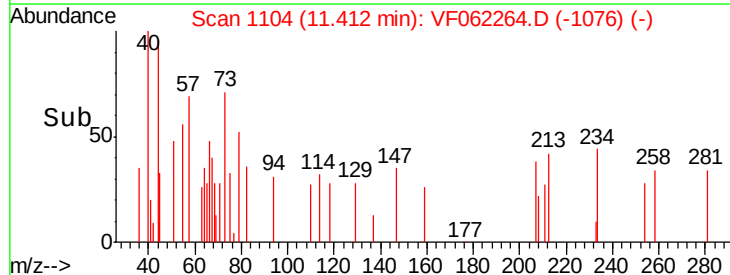
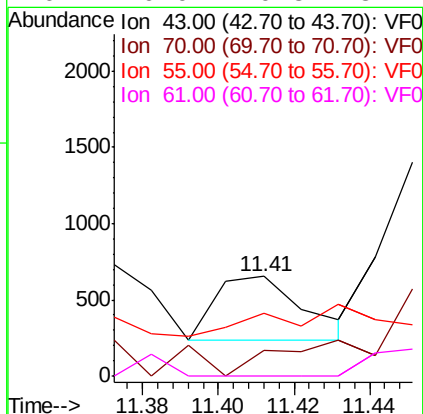
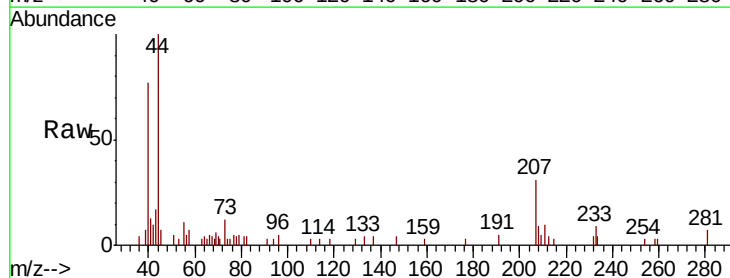
Tgt Ion:152 Resp: 153721
Ion Ratio Lower Upper
152 100
115 53.9 27.8 83.3
150 152.1 0.0 341.8

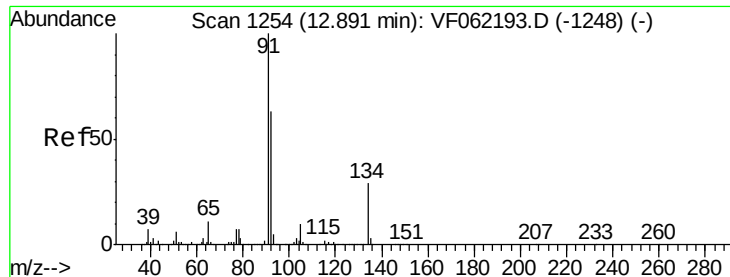


#74

N-amyl acetate
Concen: Below Cal
RT: 11.41 min Scan# 1104
Delta R.T. -0.02 min
Lab File: VF062264.D
Acq: 23 Apr 2019 15:25

Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
70 0.0 27.0 40.4#
55 65.8 15.7 23.5#
61 0.0 20.8 31.2#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062264.D

Acq: 23 Apr 2019 15:25

Instrument :

MSVOA_F

ClientSampleId :

200027

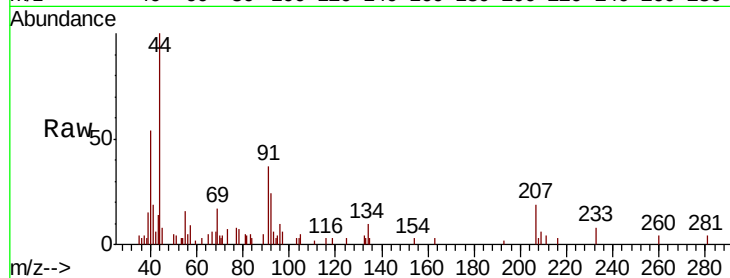
Tgt Ion: 91 Resp: 2419

Ion Ratio Lower Upper

91 100

92 63.8 31.2 93.6

134 36.7 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

