

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
 Data File : VF062400.D
 Acq On : 9 May 2019 17:18
 Operator : FY/SY
 Sample : K2672-01
 Misc : 5.05g/5mL/MSVOA_F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5

Quant Time: May 10 01:53:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	404703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	560433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	416818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	193333	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	214178	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
35) Dibromofluoromethane	4.30	113	255887	57.31	ug/l	0.00
Spiked Amount			Recovery	=	114.62%	
50) Toluene-d8	7.70	98	498434	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.49	95	205782	42.20	ug/l	0.00
Spiked Amount			Recovery	=	84.40%	

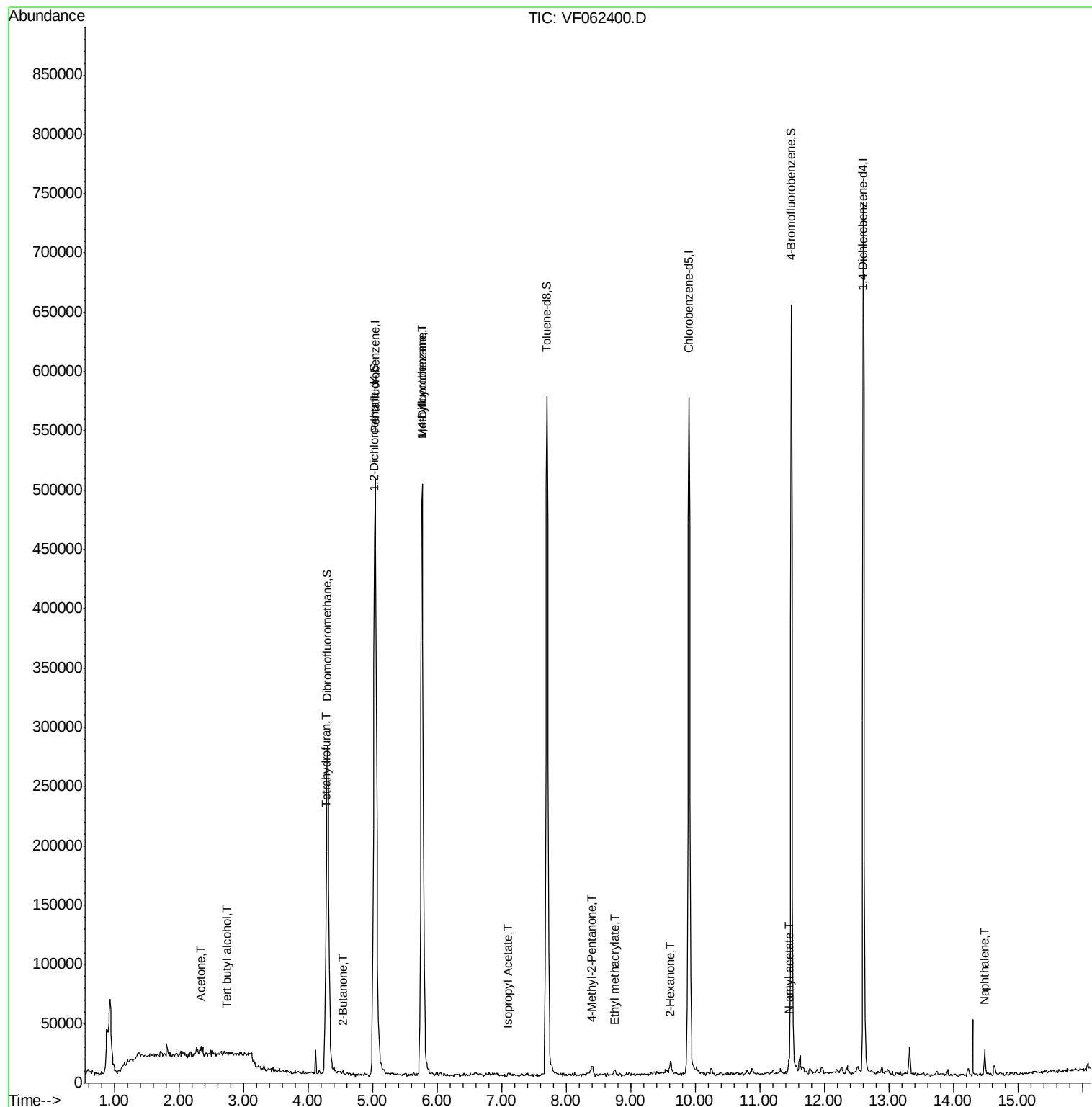
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.38	94	135	Below Cal		91
11) Tert butyl alcohol	2.73	59	823	3.807 ug/l #		19
13) Acrolein	2.10	56	545	Below Cal #		48
16) Acetone	2.35	43	7760	10.030 ug/l		98
18) Methyl Acetate	2.45	43	906	Below Cal #		48
25) 2-Butanone	4.53	43	1772	1.823 ug/l #		73
29) Tetrahydrofuran	4.27	42	894	2.001 ug/l #		85
37) Ethyl Acetate	4.31	43	1722	Below Cal #		83
38) Carbon Tetrachloride	4.18	117	68	Below Cal #		82
39) Methylcyclohexane	5.77	83	7298	1.511 ug/l #		37
43) Isopropyl Acetate	7.11	43	2566	1.172 ug/l #		73
49) 1,4-Dioxane	6.87	88	183	Below Cal #		1
51) 4-Methyl-2-Pentanone	8.39	43	9270	5.587 ug/l #		82
56) Ethyl methacrylate	8.76	69	2664	1.216 ug/l #		42
59) 2-Hexanone	9.61	43	9323	8.124 ug/l		90
74) N-amyl acetate	11.45	43	8110	3.296 ug/l #		80
95) Naphthalene	14.48	128	11771	1.642 ug/l		96

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

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

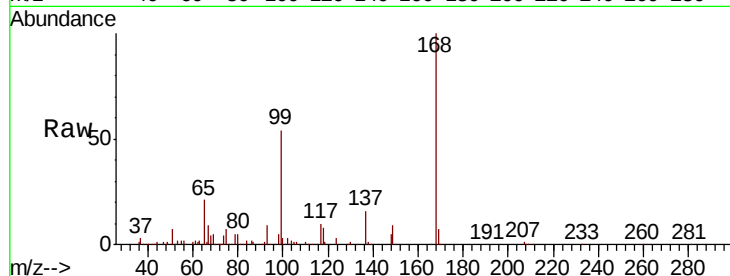
SB-01-1.0-1.5

Tgt Ion:168 Resp: 404703

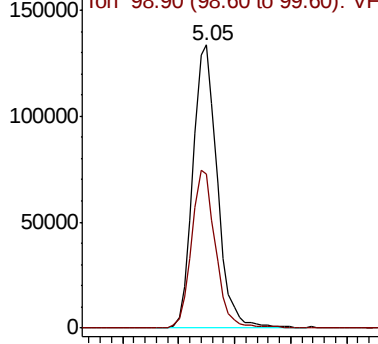
Ion Ratio Lower Upper

168 100

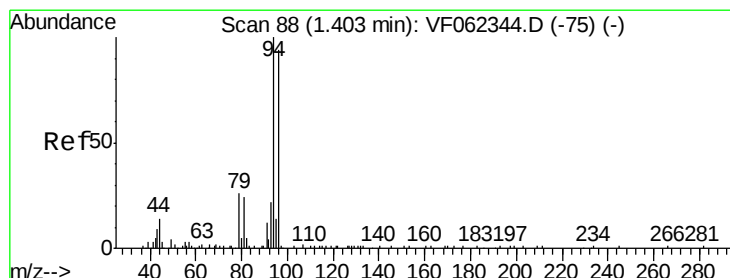
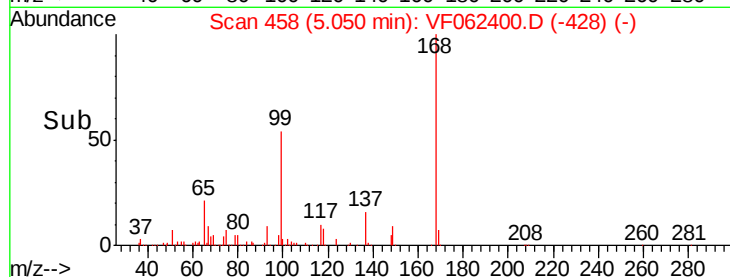
99 54.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062400.D

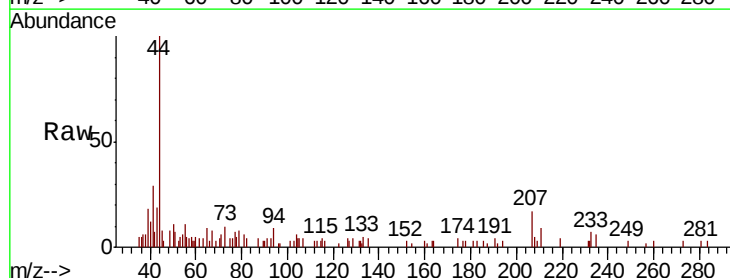
Acq: 9 May 2019 17:18

Tgt Ion: 94 Resp: 135

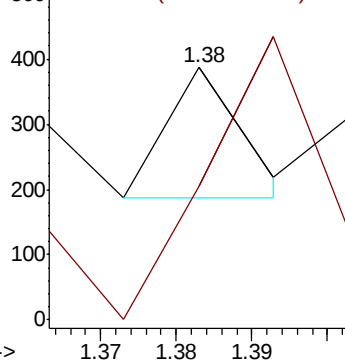
Ion Ratio Lower Upper

94 100

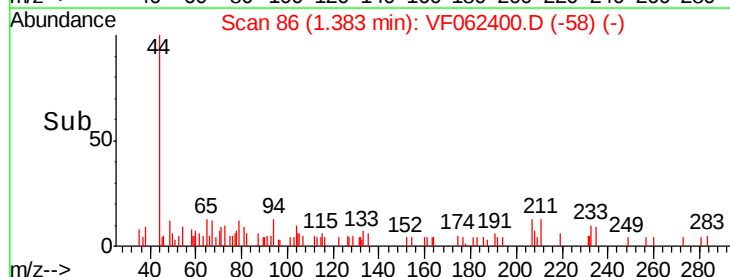
96 103.0 75.4 113.2

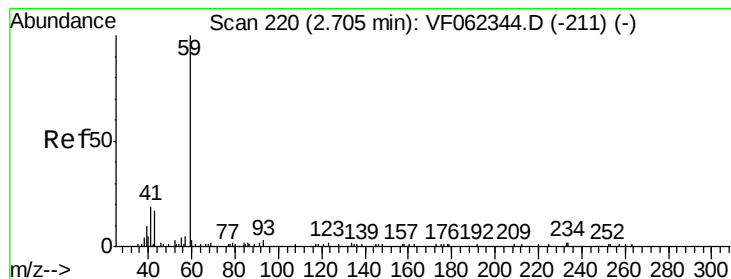


Abundance Ion 93.90 (93.60 to 94.60): VF0



Time-->



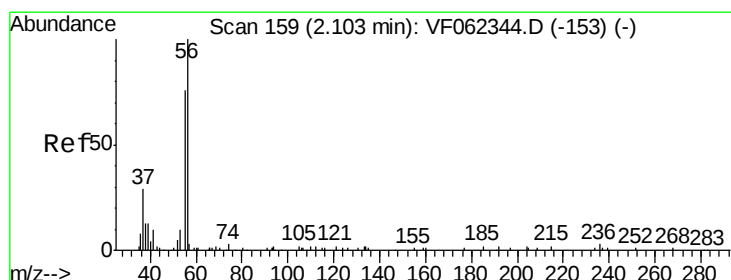
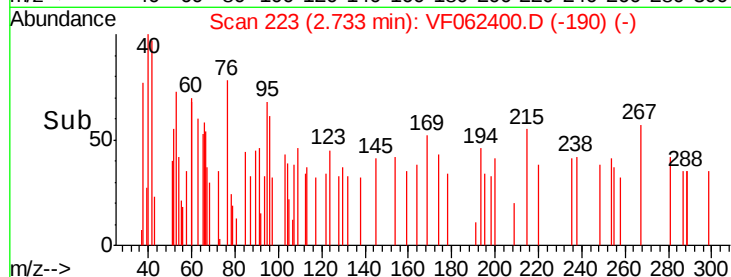
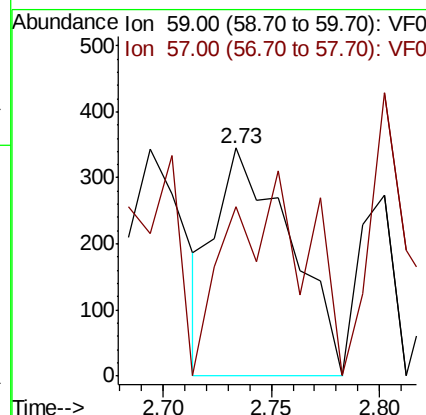
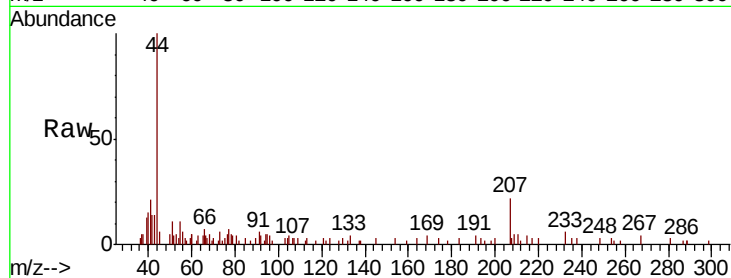


#11

Tert butyl alcohol
 Concen: 3.807 ug/l
 RT: 2.73 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VF062400.D
 Acq: 9 May 2019 17:18

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5

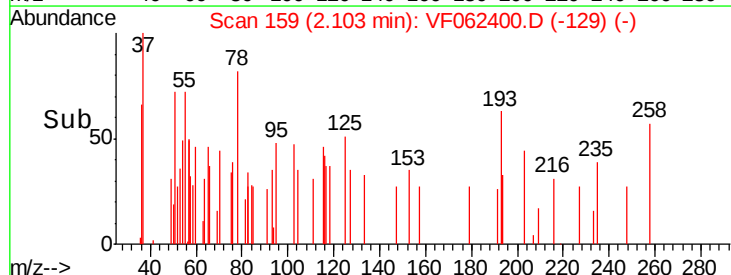
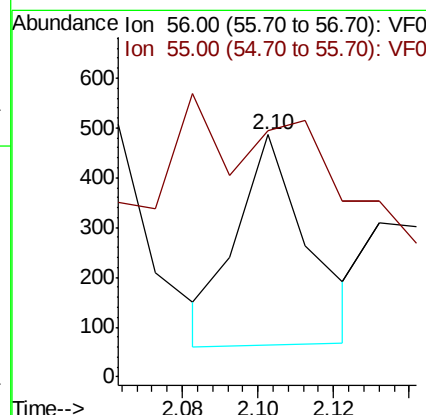
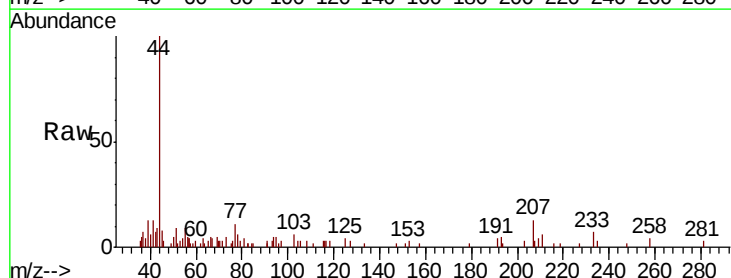
Tgt Ion: 59 Resp: 823
 Ion Ratio Lower Upper
 59 100
 57 42.8 9.3 13.9#

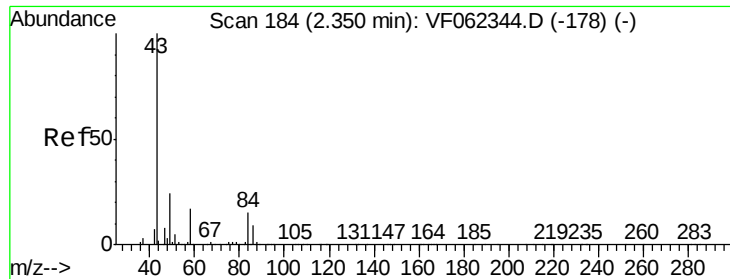


#13

Acrolein
 Concen: Below Cal
 RT: 2.10 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VF062400.D
 Acq: 9 May 2019 17:18

Tgt Ion: 56 Resp: 545
 Ion Ratio Lower Upper
 56 100
 55 116.7 58.4 87.6#





#16

Acetone

Concen: 10.030 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

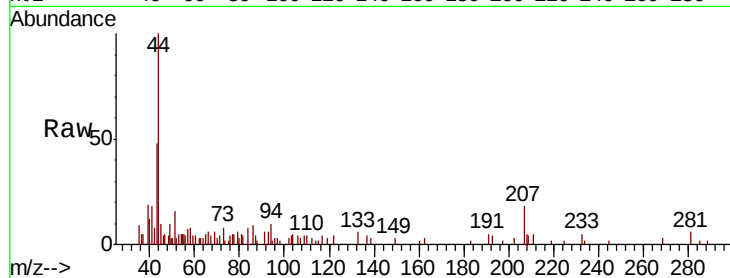
SB-01-1.0-1.5

Tgt Ion: 43 Resp: 7760

Ion Ratio Lower Upper

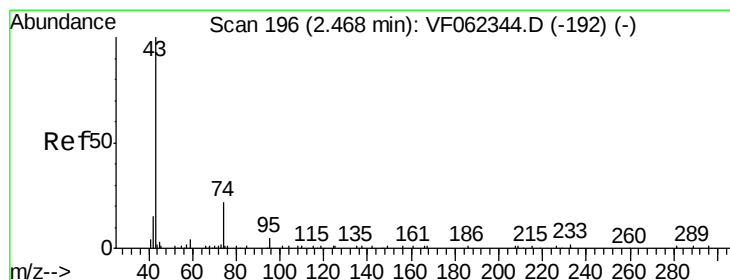
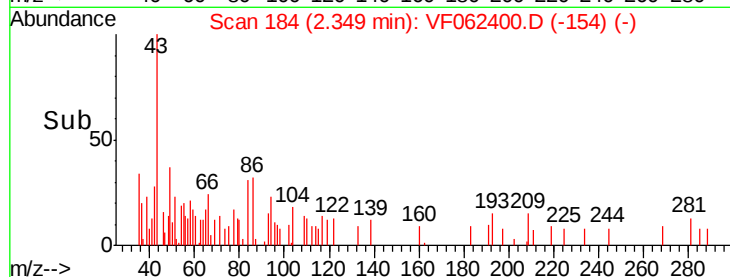
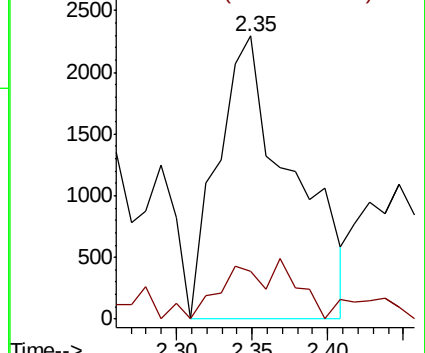
43 100

58 17.1 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.45 min Scan# 194

Delta R.T. -0.02 min

Lab File: VF062400.D

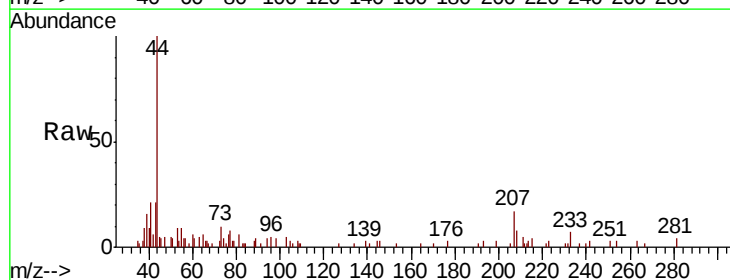
Acq: 9 May 2019 17:18

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

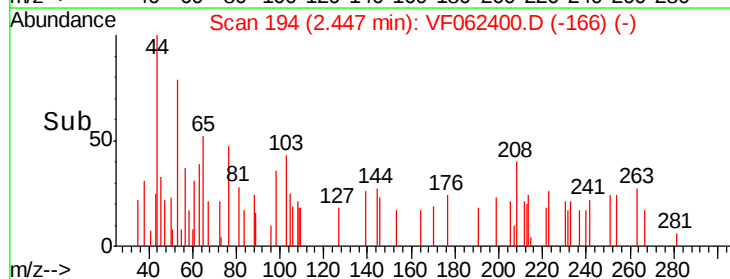
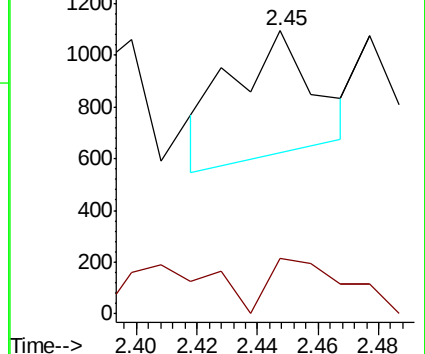
43 100

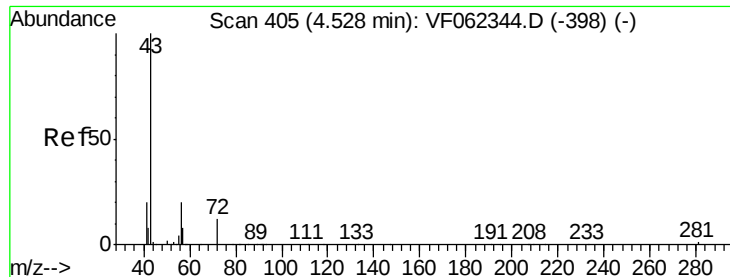
74 42.2 15.0 22.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#25

2-Butanone

Concen: 1.823 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

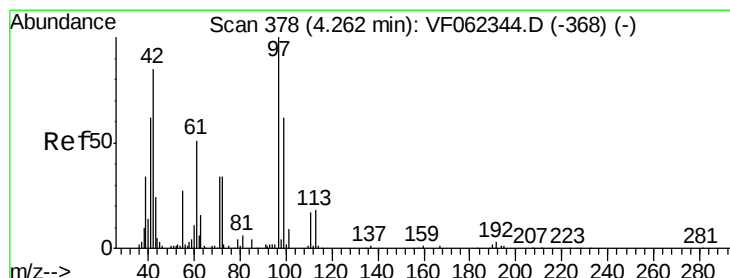
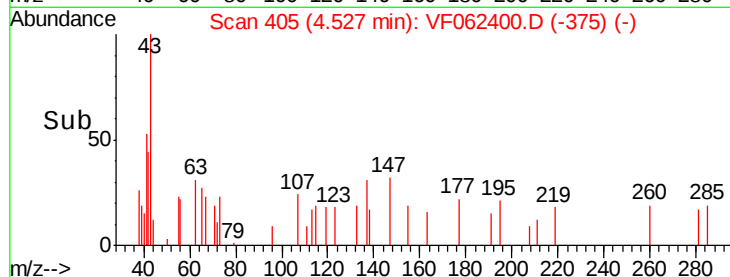
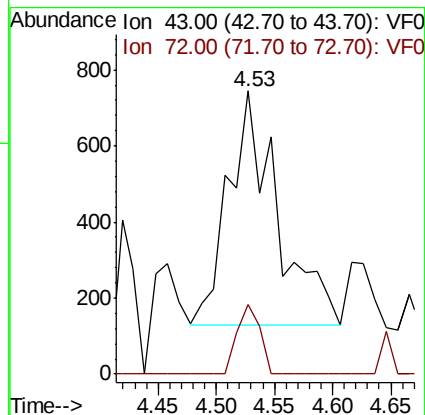
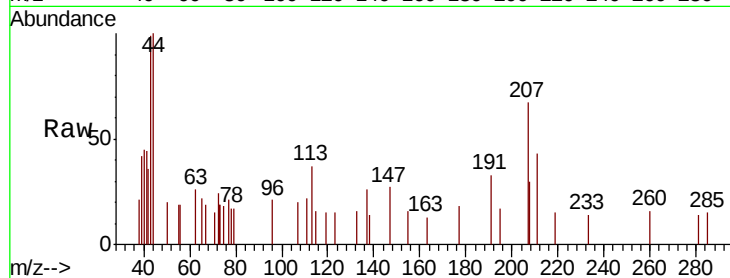
SB-01-1.0-1.5

Tgt Ion: 43 Resp: 1772

Ion Ratio Lower Upper

43 100

72 29.8 14.2 21.4#



#29

Tetrahydrofuran

Concen: 2.001 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

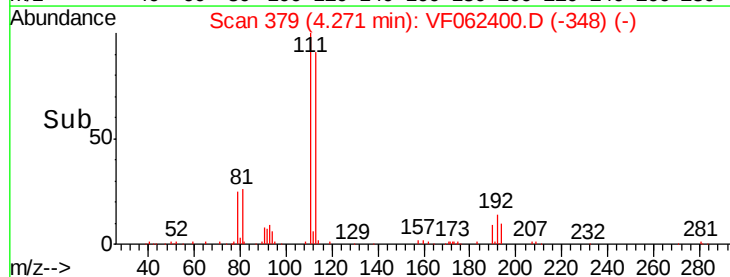
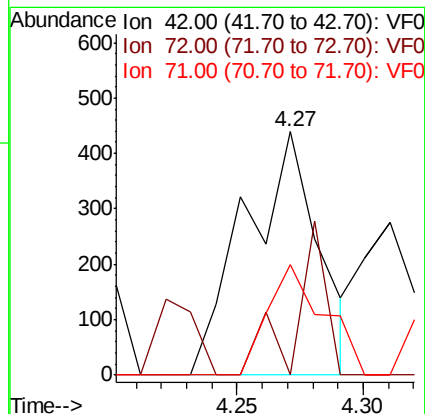
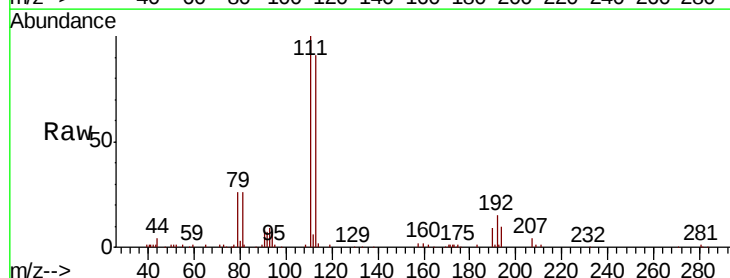
Tgt Ion: 42 Resp: 894

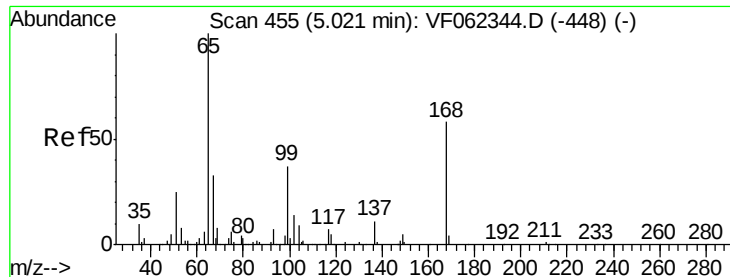
Ion Ratio Lower Upper

42 100

72 26.0 31.4 47.0#

71 35.0 31.7 47.5

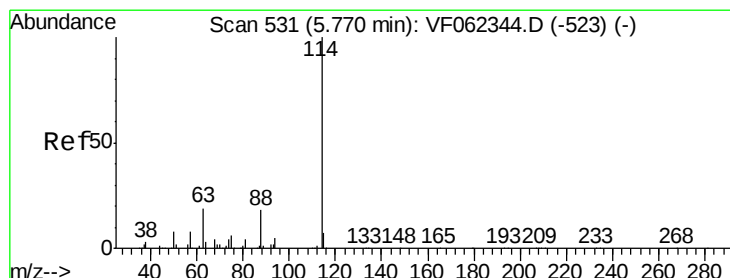
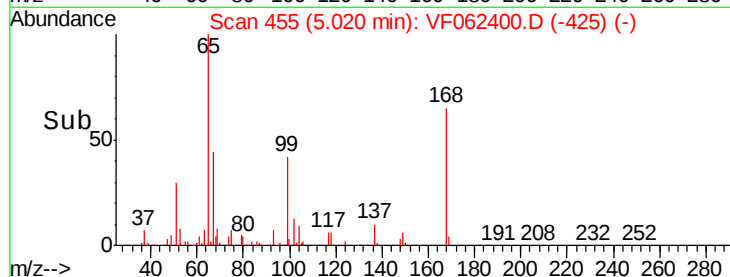
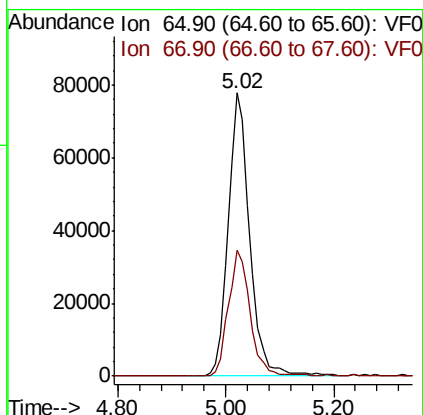
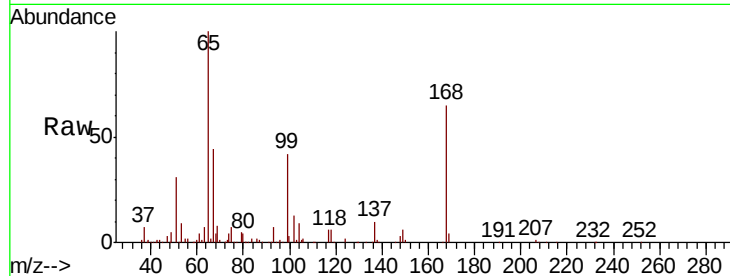




#33
 1,2-Dichloroethane-d4
 Concen: 56.000 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062400.D
 Acq: 9 May 2019 17:18

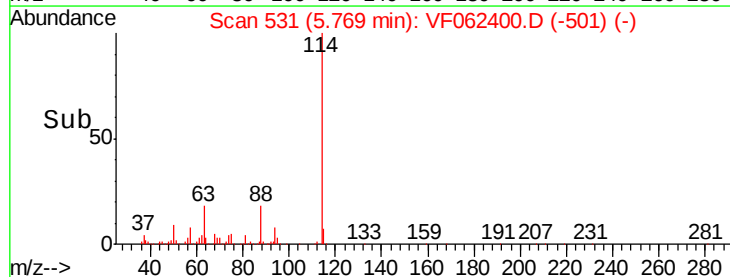
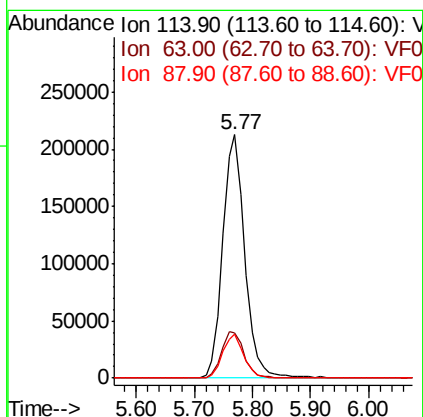
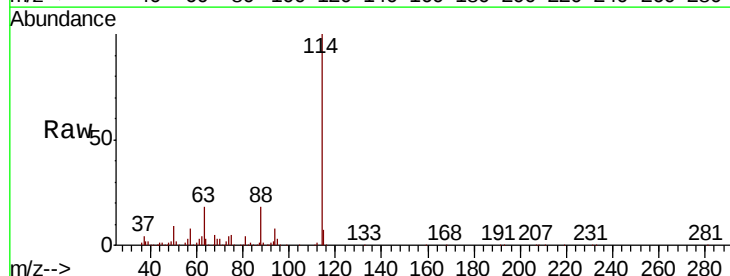
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-01-1.0-1.5

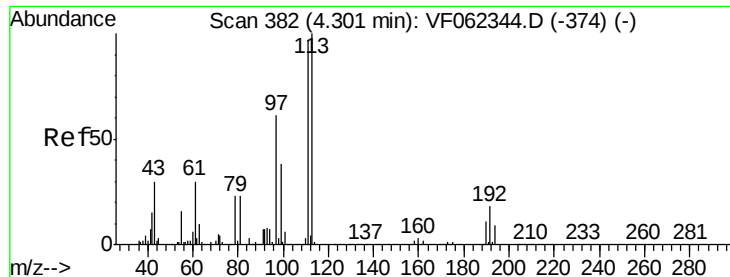
Tgt Ion: 65 Resp: 214178
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062400.D
 Acq: 9 May 2019 17:18

Tgt Ion: 114 Resp: 560433
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.4
 88 17.8 0.0 36.4

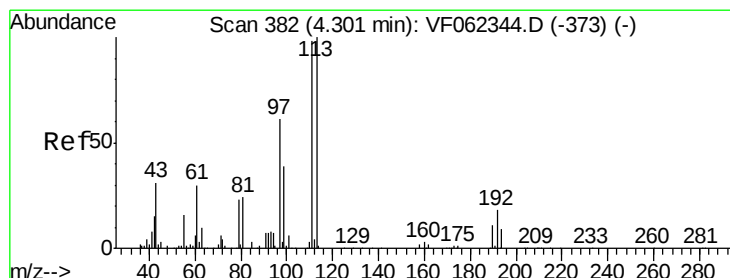
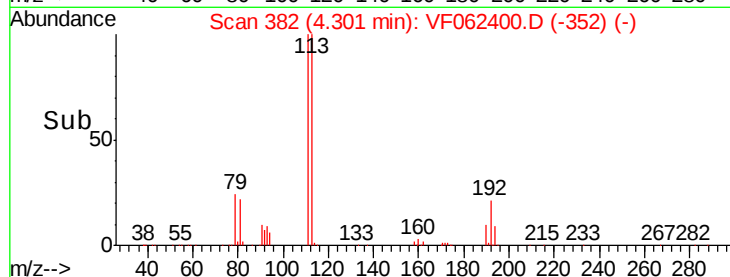
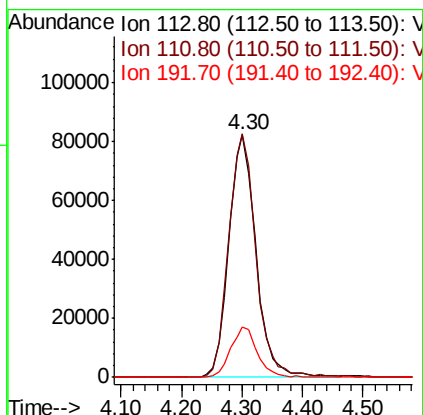
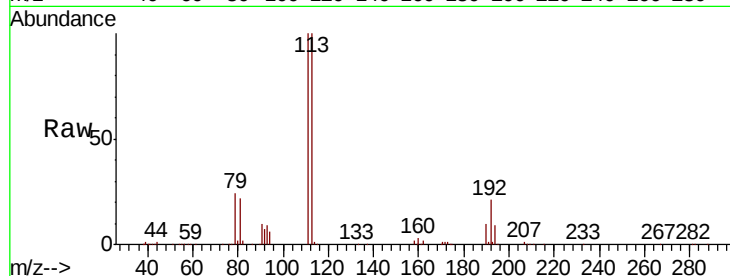




#35
Dibromofluoromethane
Concen: 57.311 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062400.D
Acq: 9 May 2019 17:18

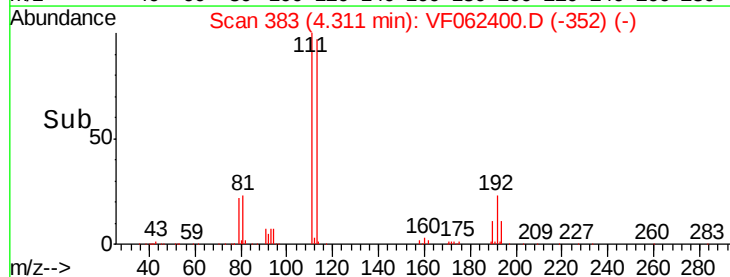
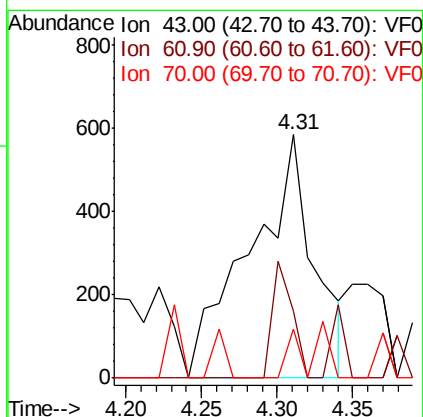
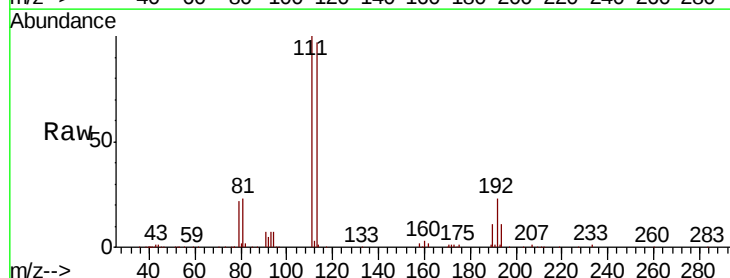
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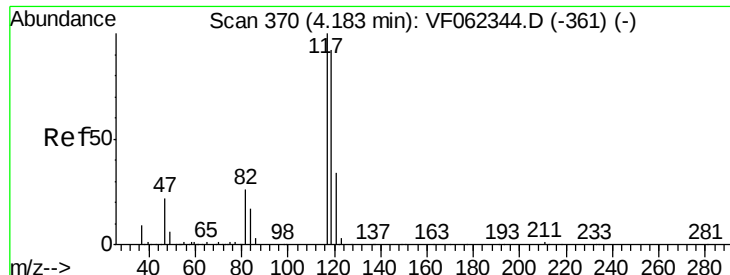
Tgt Ion:113 Resp: 255887
Ion Ratio Lower Upper
113 100
111 100.7 79.4 119.0
192 20.5 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062400.D
Acq: 9 May 2019 17:18

Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
61 15.1 0.0 0.0#
70 4.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.18 min Scan# 370

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5

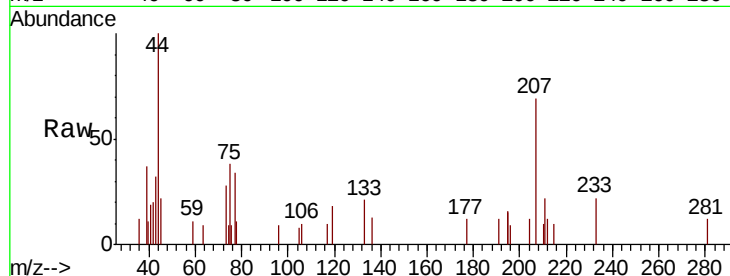
Tgt Ion:117 Resp: 68

Ion Ratio Lower Upper

117 100

119 94.8 73.4 110.2

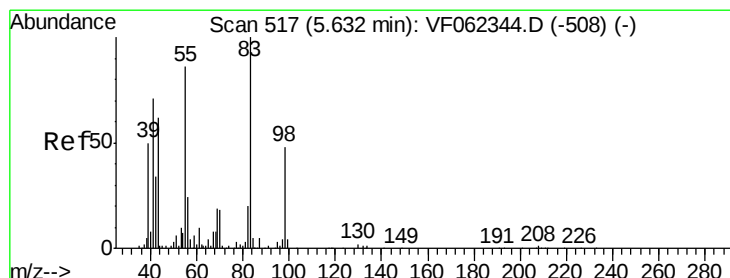
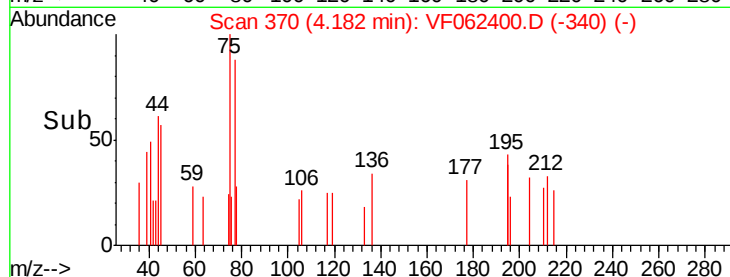
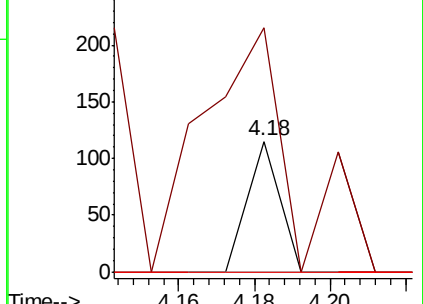
121 0.0 27.4 41.0#



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: 1.511 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.14 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

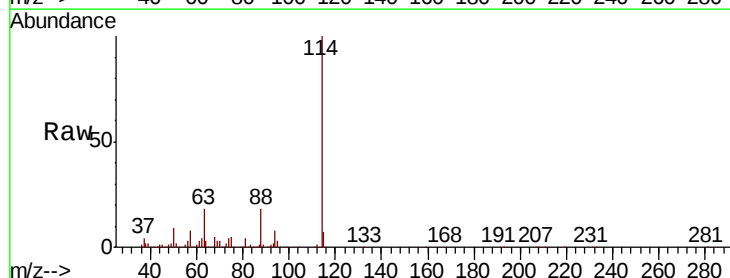
Tgt Ion: 83 Resp: 7298

Ion Ratio Lower Upper

83 100

55 33.3 69.0 103.6#

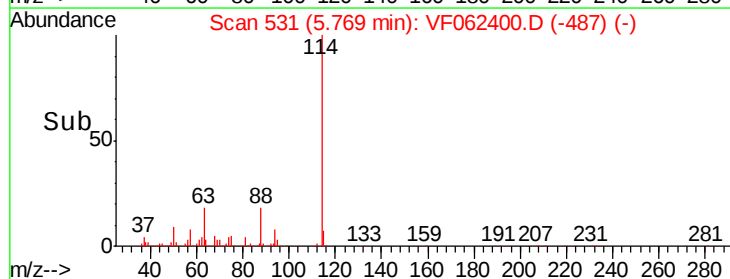
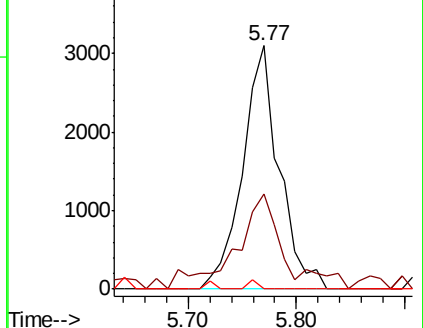
98 0.0 38.6 58.0#

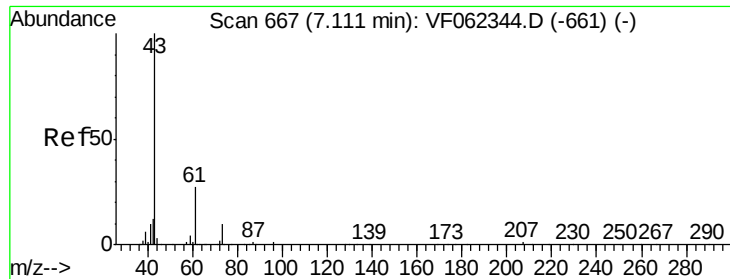


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 1.172 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5

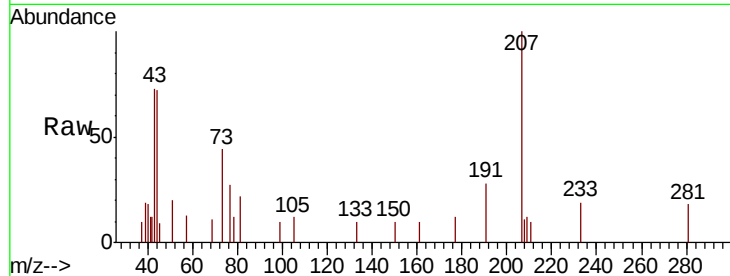
Tgt Ion: 43 Resp: 2566

Ion Ratio Lower Upper

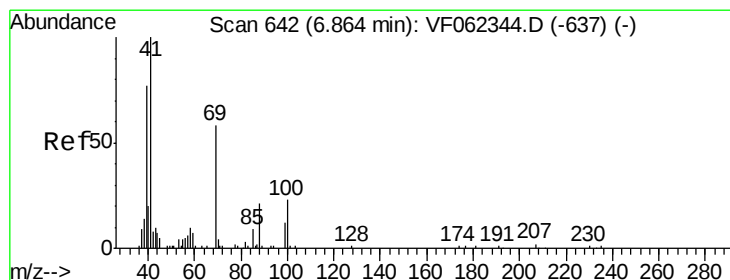
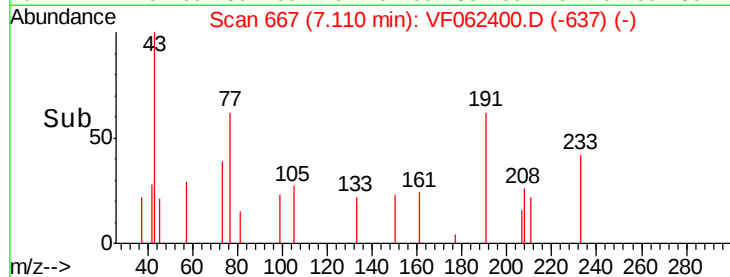
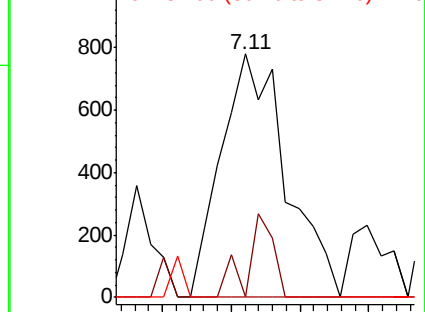
43 100

61 13.7 22.8 34.2#

87 0.0 0.6 1.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

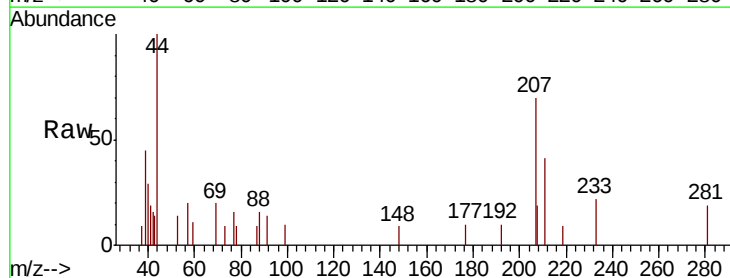
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

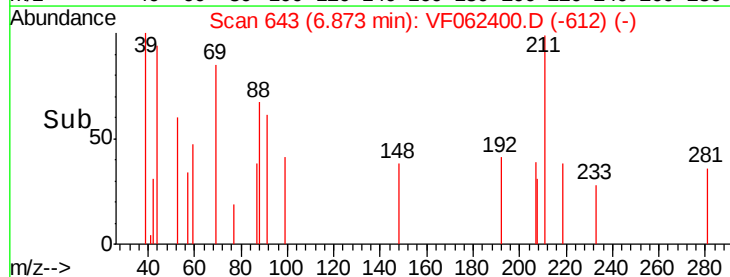
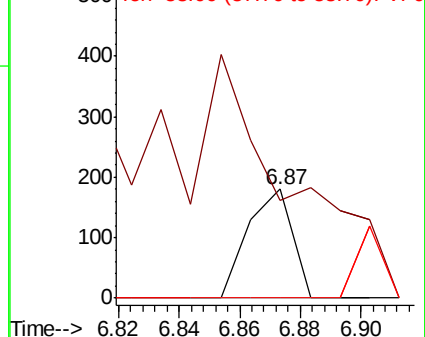
88 100

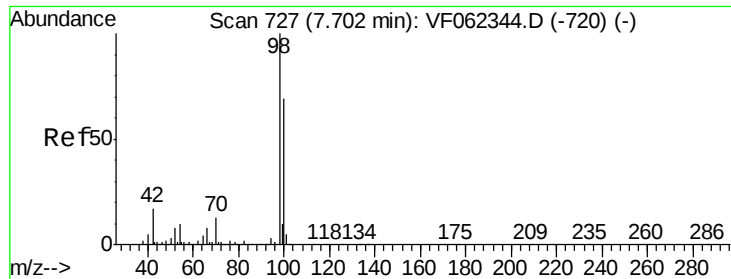
43 414.2 55.6 83.4#

58 0.0 52.8 79.2#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

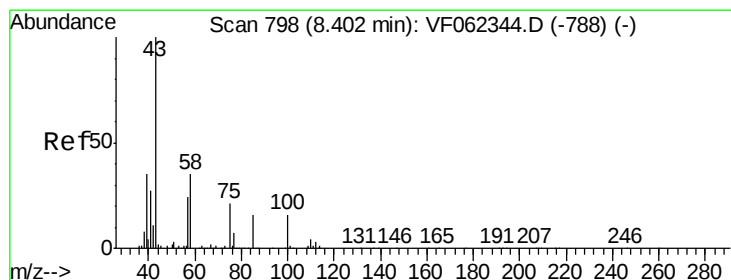
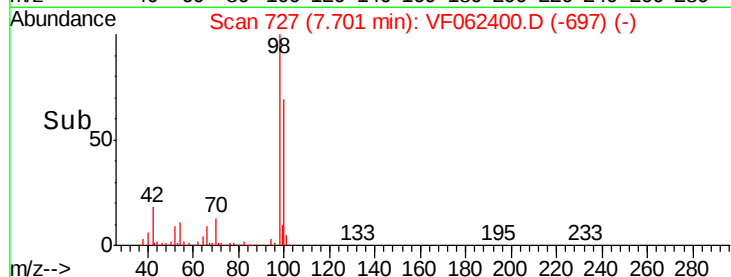
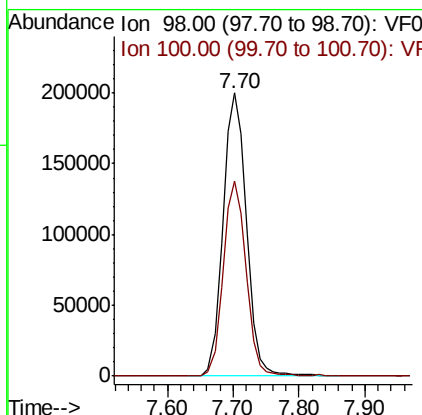
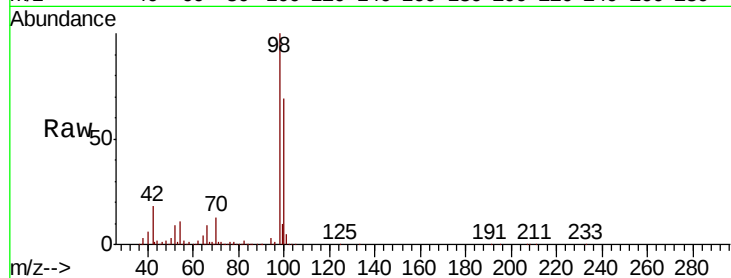




#50
Toluene-d8
Concen: 46.118 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062400.D
Acq: 9 May 2019 17:18

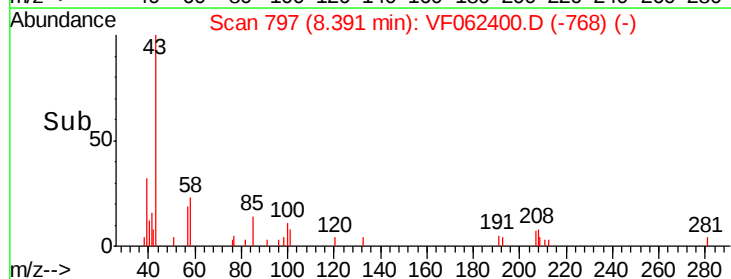
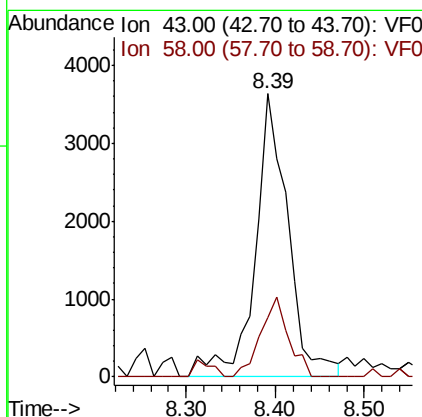
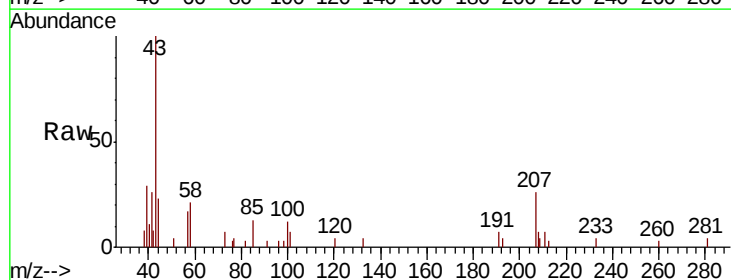
Instrument :
MSVOA_F
ClientSampleId :
SB-01-1.0-1.5

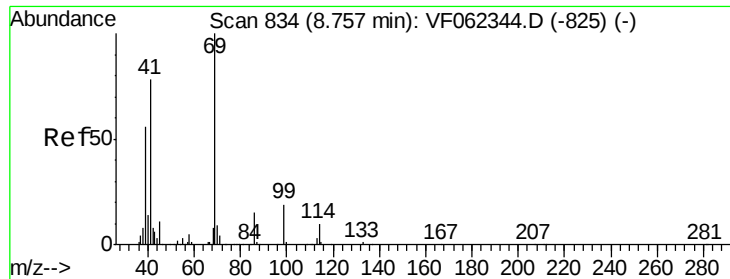
Tgt Ion: 98 Resp: 498434
Ion Ratio Lower Upper
98 100
100 67.4 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 5.587 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.01 min
Lab File: VF062400.D
Acq: 9 May 2019 17:18

Tgt Ion: 43 Resp: 9270
Ion Ratio Lower Upper
43 100
58 24.1 27.8 41.6#





#56

Ethyl methacrylate

Concen: 1.216 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

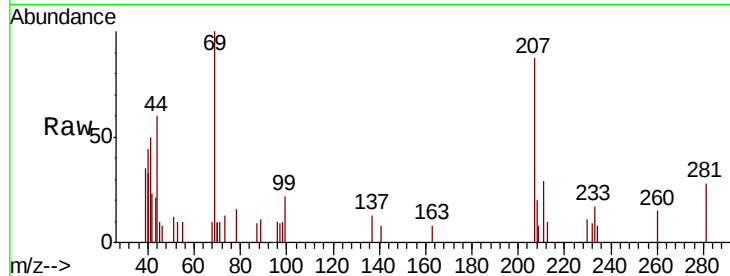
MSVOA_F

ClientSampleId :

SB-01-1.0-1.5

Tgt Ion: 69 Resp: 2664

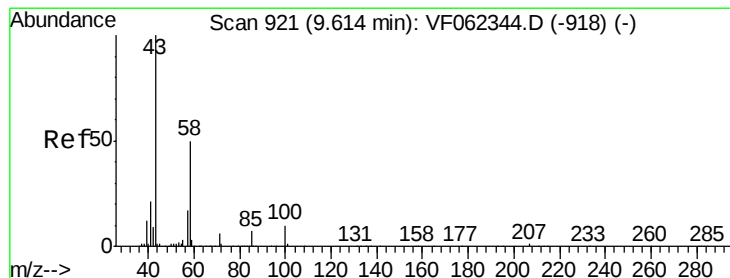
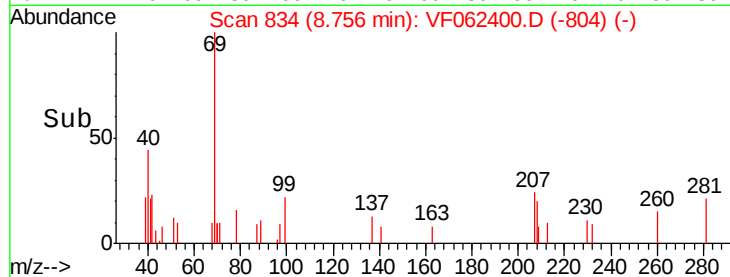
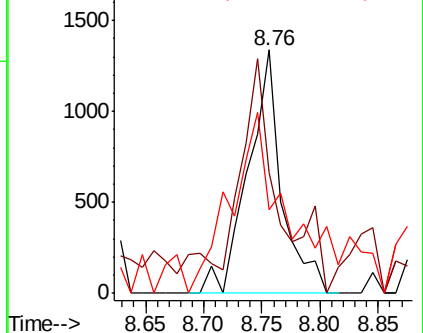
Ion	Ratio	Lower	Upper
69	100		
41	121.4	66.3	99.5#
39	123.9	50.1	75.1#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 8.124 ug/l

RT: 9.61 min Scan# 921

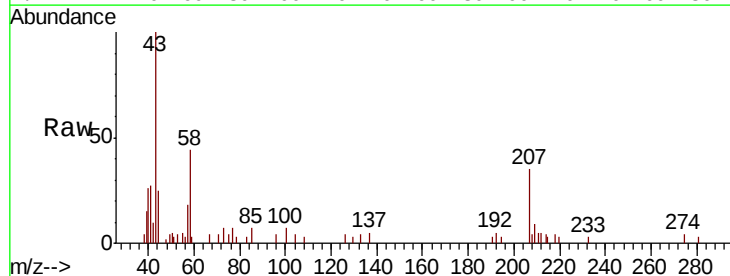
Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

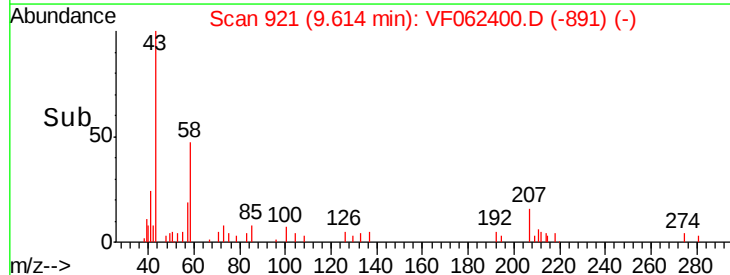
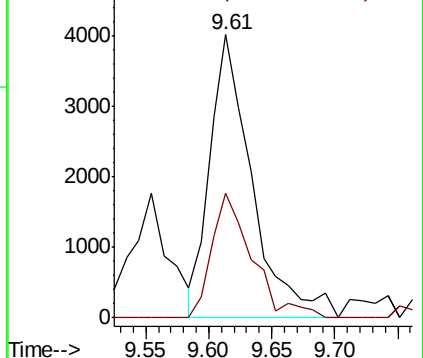
Tgt Ion: 43 Resp: 9323

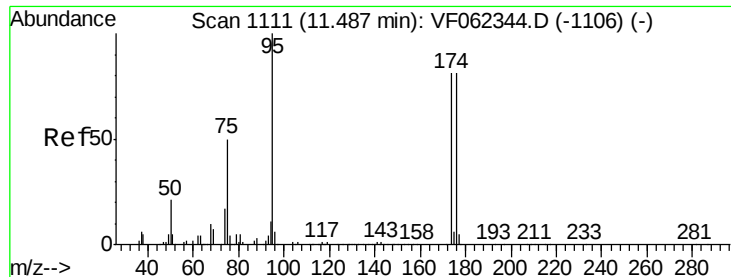
Ion	Ratio	Lower	Upper
43	100		
58	42.2	24.3	73.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 42.202 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5

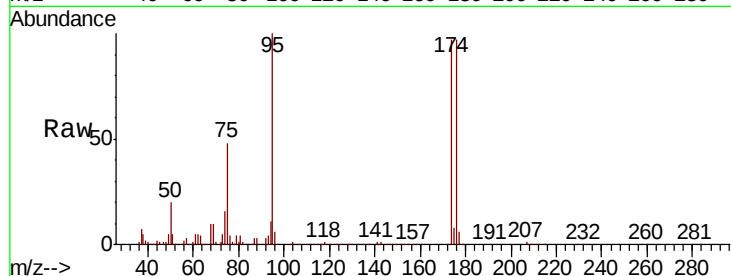
Tgt Ion: 95 Resp: 205782

Ion Ratio Lower Upper

95 100

174 97.4 0.0 191.8

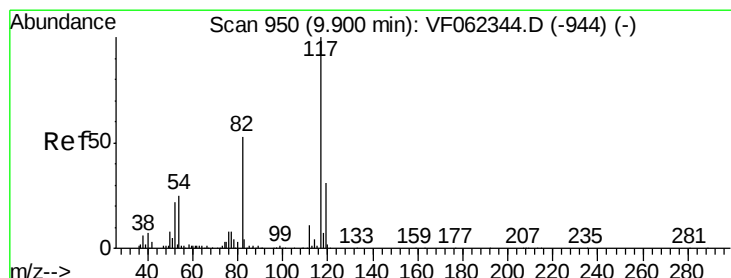
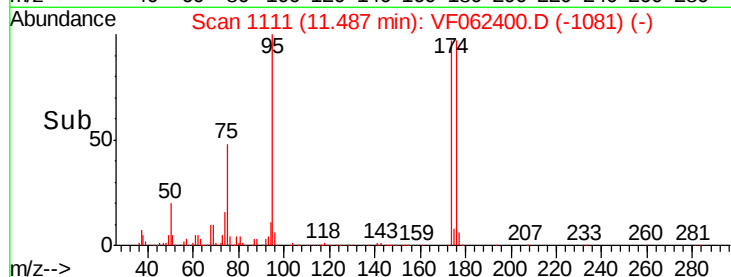
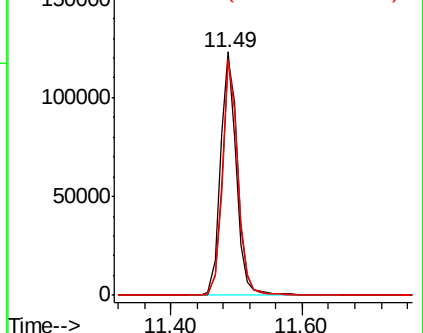
176 95.2 0.0 193.2



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: 9.90 min Scan# 950

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

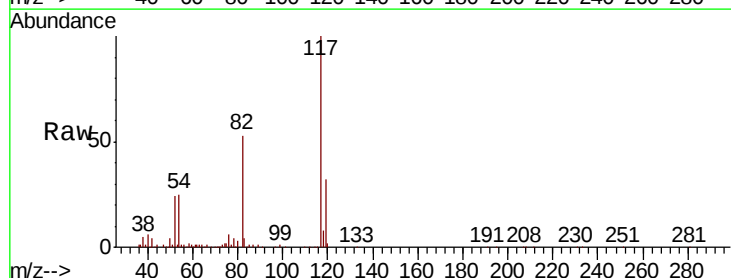
Tgt Ion: 117 Resp: 416818

Ion Ratio Lower Upper

117 100

82 53.1 42.2 63.2

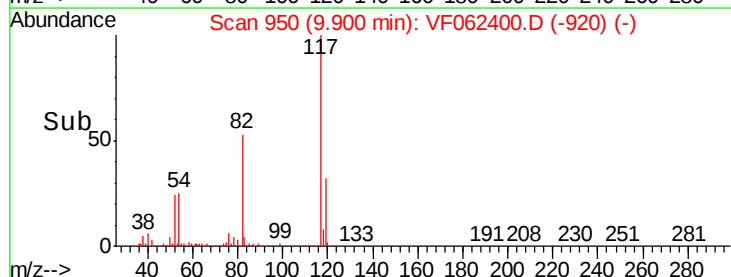
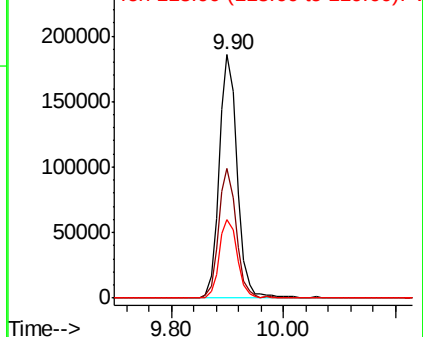
119 32.2 25.0 37.4

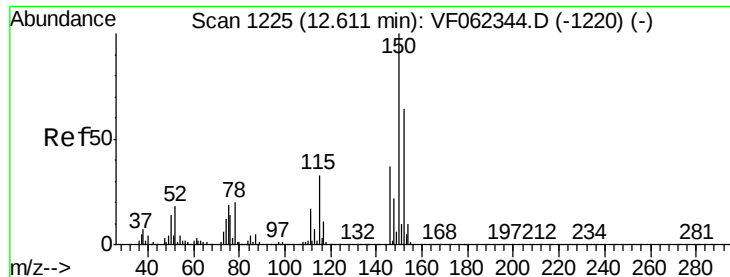


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5

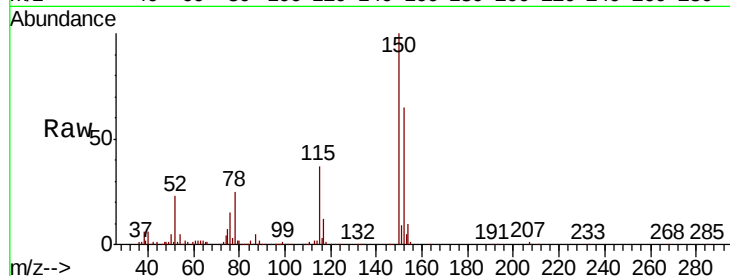
Tgt Ion:152 Resp: 193333

Ion Ratio Lower Upper

152 100

115 54.4 26.4 79.2

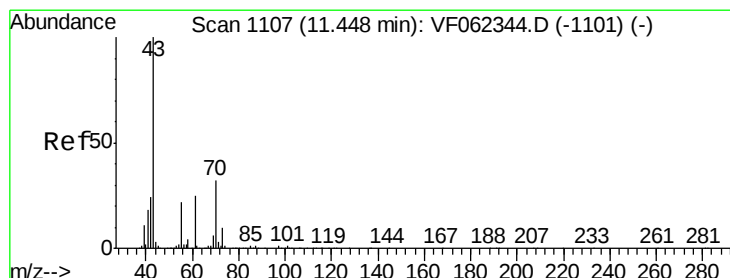
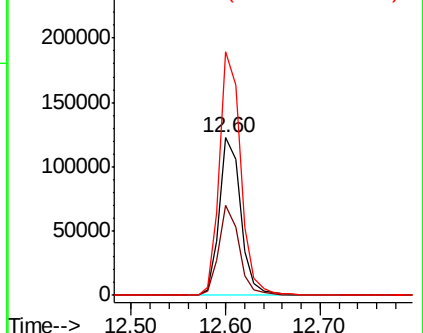
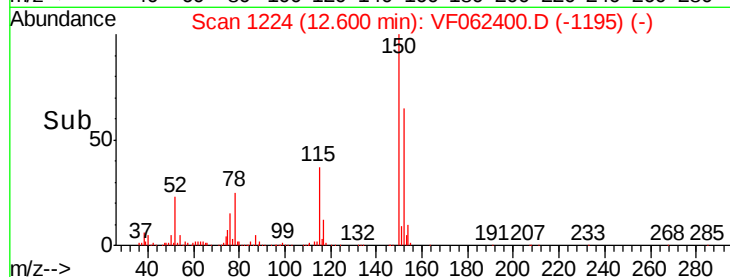
150 153.6 0.0 335.0



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



#74

N-ethyl acetate

Concen: 3.296 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062400.D

Acq: 9 May 2019 17:18

Tgt Ion: 43 Resp: 8110

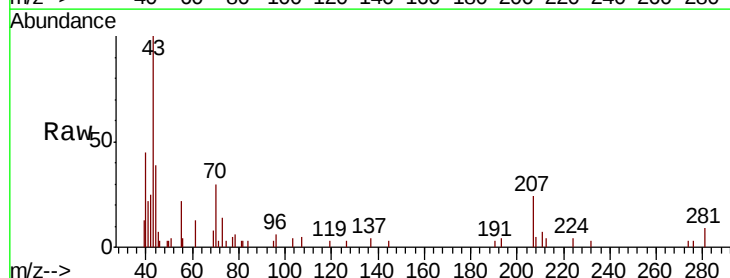
Ion Ratio Lower Upper

43 100

70 30.8 26.5 39.7

55 26.4 17.8 26.6

61 0.0 20.2 30.2#

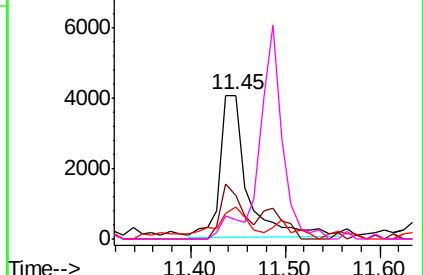
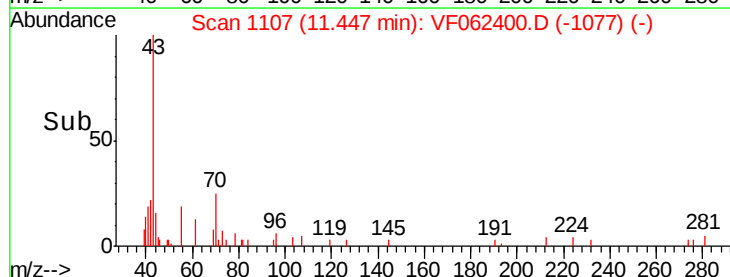


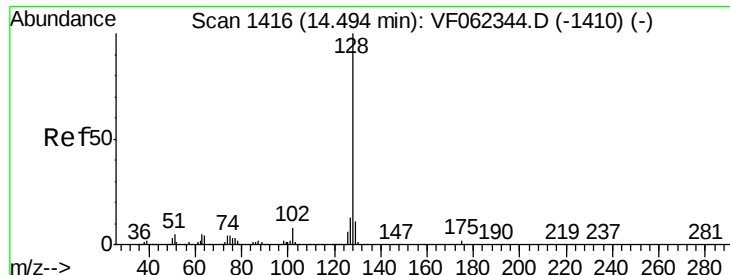
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#95

Naphthalene

Concen: 1.642 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF062400.D

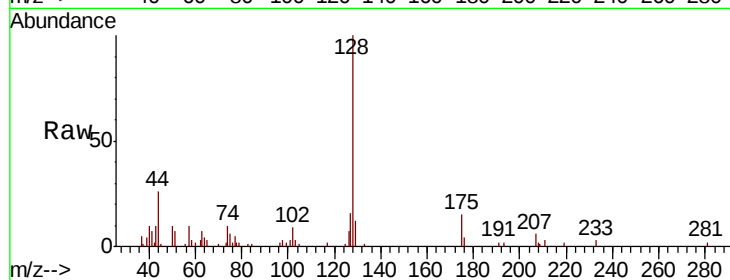
Acq: 9 May 2019 17:18

Instrument :

MSVOA_F

ClientSampleId :

SB-01-1.0-1.5



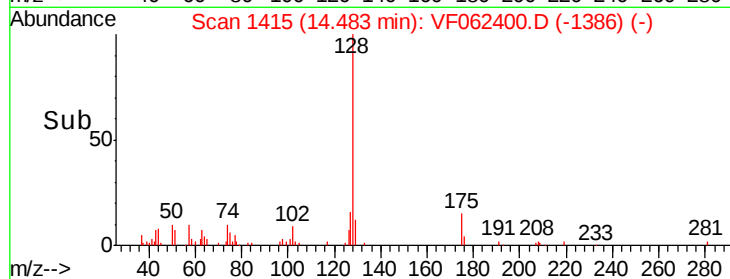
Tgt Ion:128 Resp: 11771

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 12.7 8.6 12.8



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

