

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050819\
 Data File : VF062372.D
 Acq On : 8 May 2019 12:44
 Operator : FY/SY
 Sample : VF0508SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBL01

Quant Time: May 08 16:01:02 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	5.03	168	387502	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	495770	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.89	117	416976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	290832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	192236	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
35) Dibromofluoromethane	4.28	113	220316	55.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.56%	
50) Toluene-d8	7.70	98	502025	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
62) 4-Bromofluorobenzene	11.48	95	240219	55.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.38%	

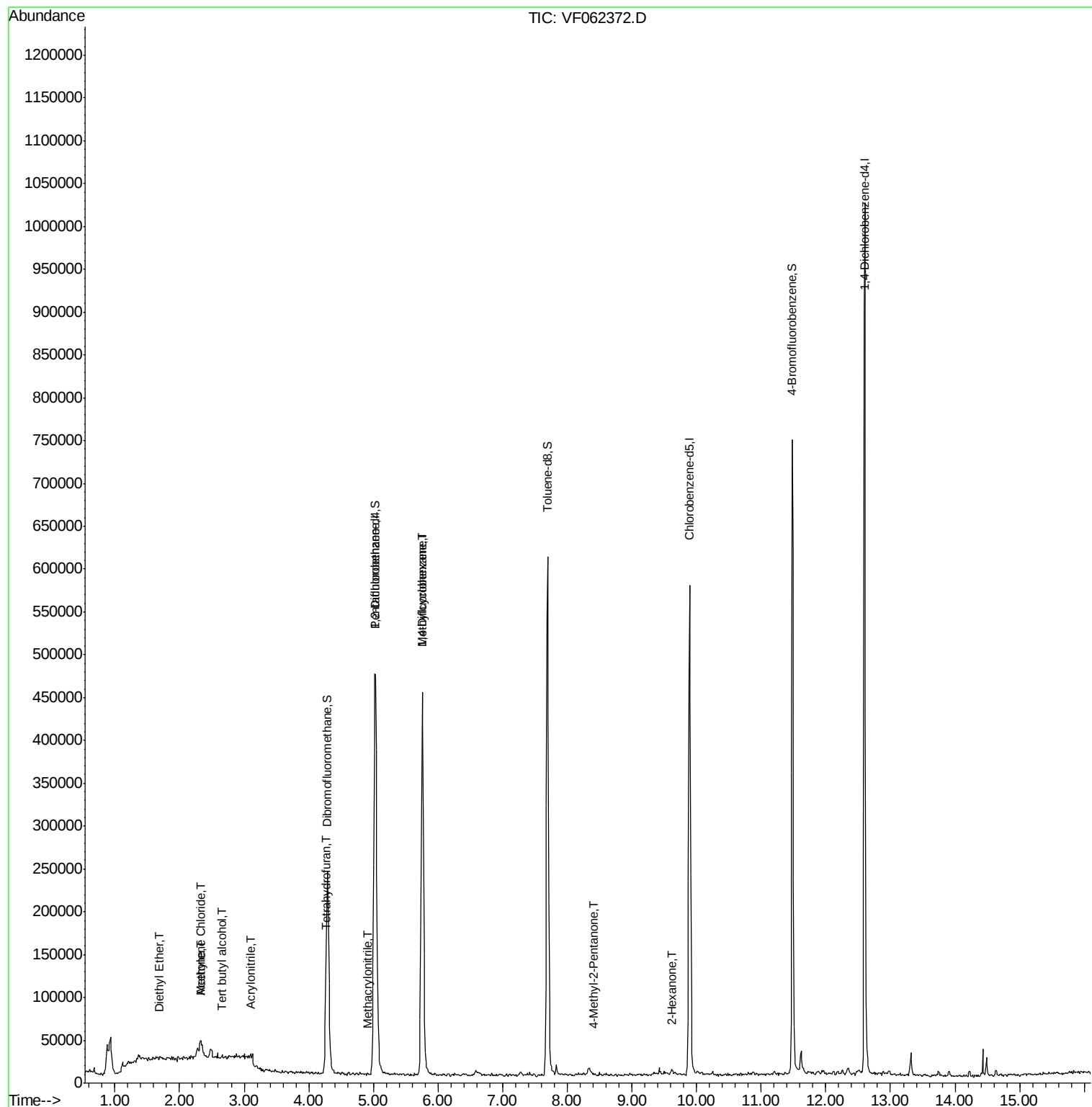
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.37	94	451	Below Cal	#	39
8) Diethyl Ether	1.70	74	1690	1.825	ug/l	80
11) Tert butyl alcohol	2.66	59	933	4.508	ug/l #	70
13) Acrolein	2.08	56	1369	Below Cal	#	70
15) Acrylonitrile	3.10	53	929	2.370	ug/l #	10
16) Acetone	2.33	43	3059	4.129	ug/l	93
18) Methyl Acetate	2.48	43	4217	Below Cal		98
20) Methylene Chloride	2.32	84	14088	5.256	ug/l #	89
29) Tetrahydrofuran	4.26	42	1451	3.392	ug/l #	54
37) Ethyl Acetate	4.29	43	466	Below Cal	#	1
38) Carbon Tetrachloride	4.15	117	98	Below Cal	#	14
39) Methylcyclohexane	5.75	83	7107	1.664	ug/l #	34
41) Methacrylonitrile	4.91	41	1528	1.496	ug/l #	18
49) 1,4-Dioxane	6.82	88	65	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.41	43	2675	1.822	ug/l	92
59) 2-Hexanone	9.62	43	3908	3.850	ug/l	95

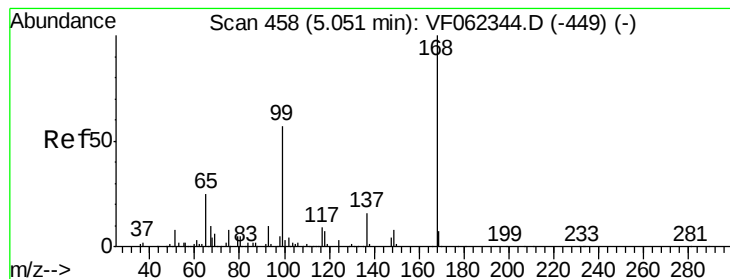
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050819\
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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: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

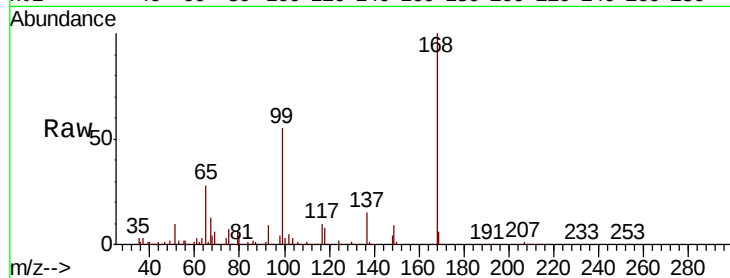
VF0508SBL01

Tgt Ion:168 Resp: 387502

Ion Ratio Lower Upper

168 100

99 55.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.03

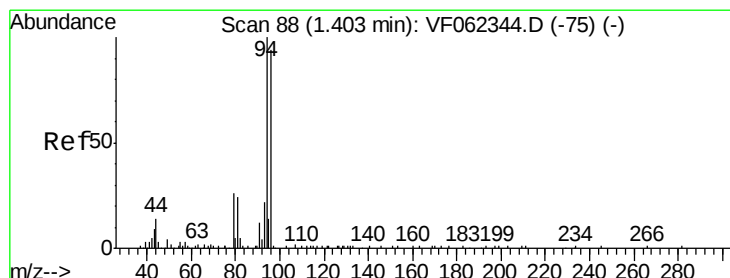
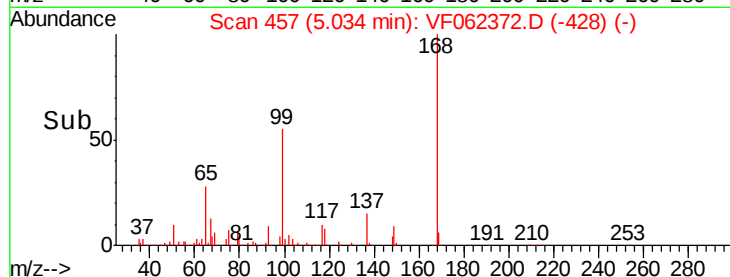
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.37 min Scan# 85

Delta R.T. -0.04 min

Lab File: VF062372.D

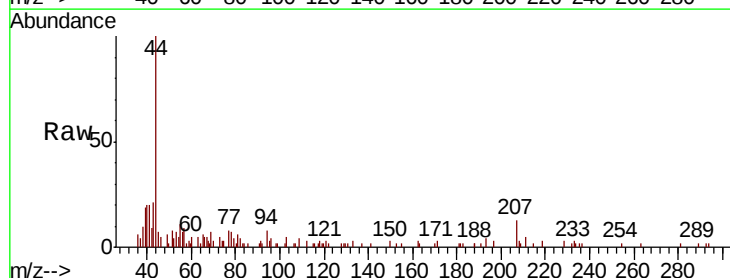
Acq: 8 May 2019 12:44

Tgt Ion: 94 Resp: 451

Ion Ratio Lower Upper

94 100

96 35.3 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.37

600

500

400

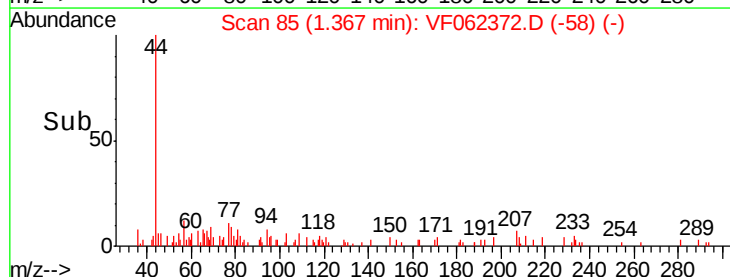
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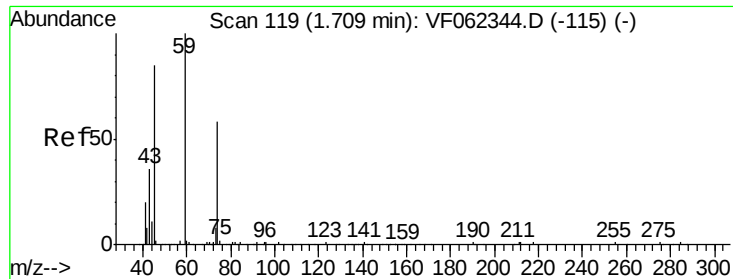
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100

0

Time-->

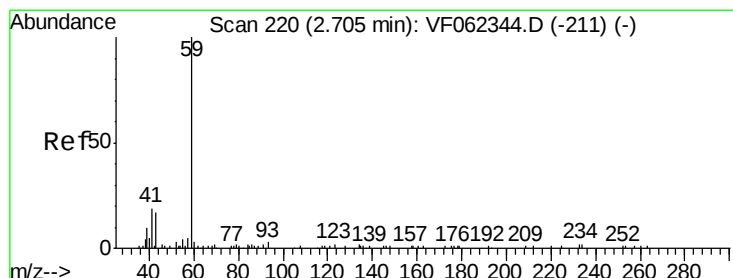
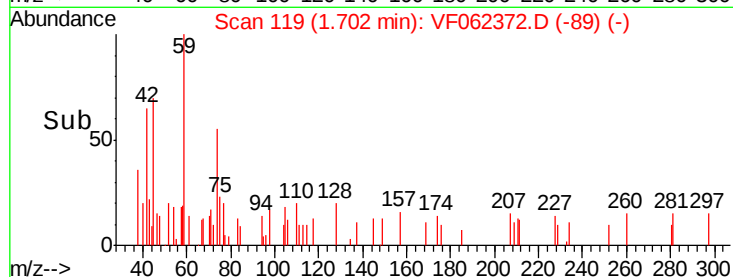
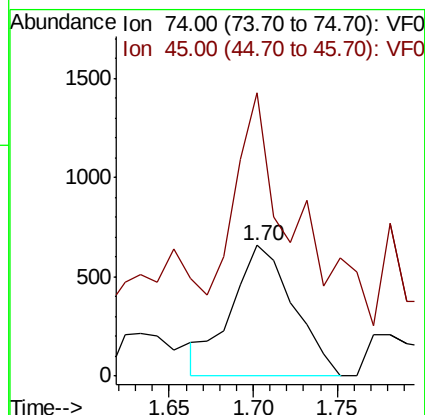
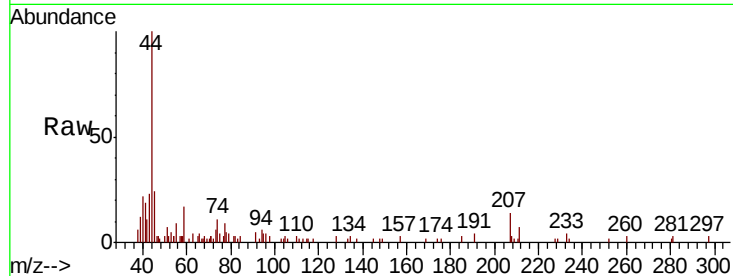




#8
Diethyl Ether
Concen: 1.825 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062372.D
Acq: 8 May 2019 12:44

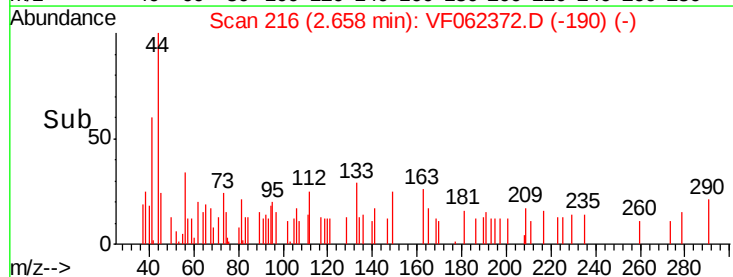
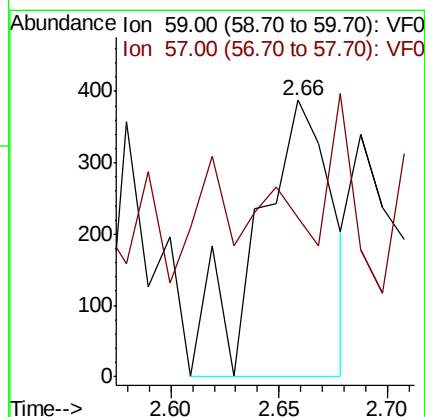
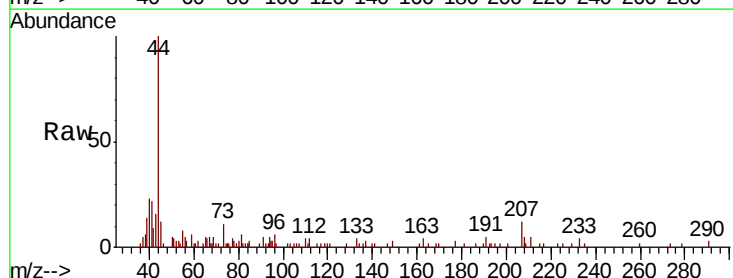
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBL01

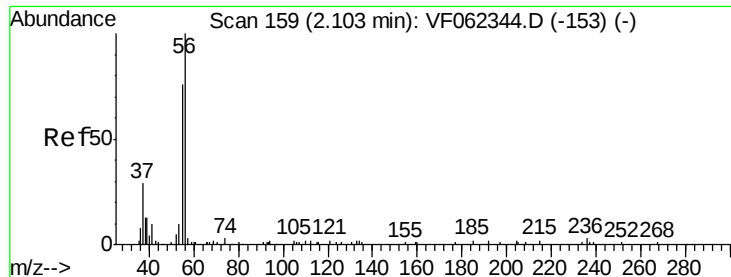
Tgt Ion: 74 Resp: 1690
Ion Ratio Lower Upper
74 100
45 172.5 73.9 221.6



#11
Tert butyl alcohol
Concen: 4.508 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.05 min
Lab File: VF062372.D
Acq: 8 May 2019 12:44

Tgt Ion: 59 Resp: 933
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#





#13

Acrolein

Concen: Below Cal

RT: 2.08 min Scan# 157

Delta R.T. -0.03 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

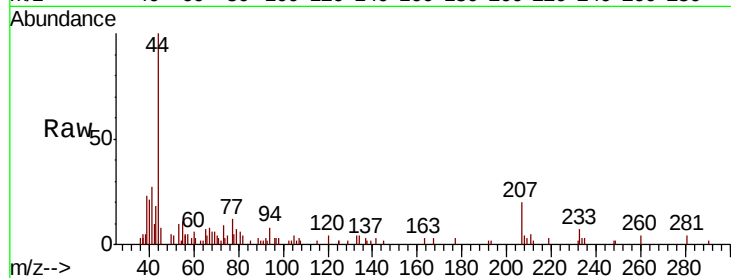
VF0508SBL01

Tgt Ion: 56 Resp: 1369

Ion Ratio Lower Upper

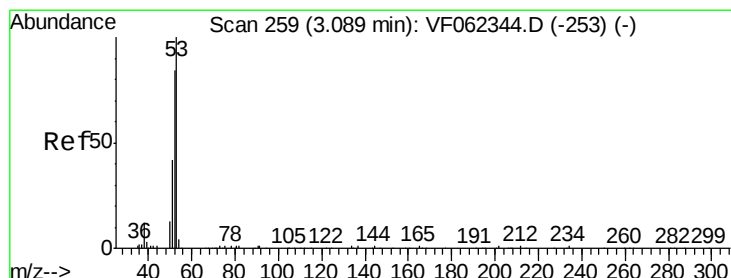
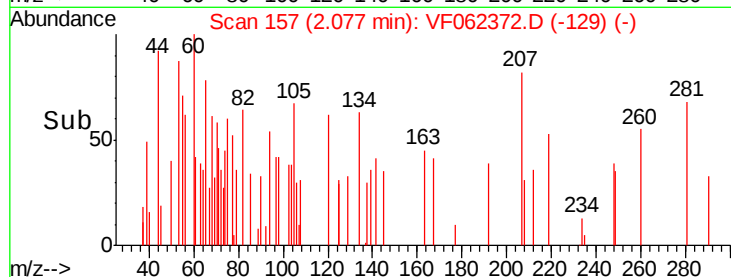
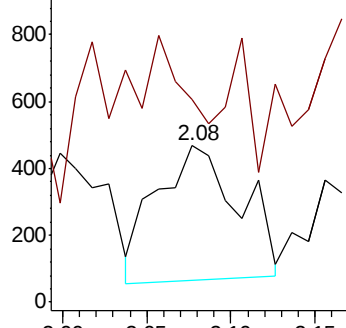
56 100

55 48.0 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 2.370 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

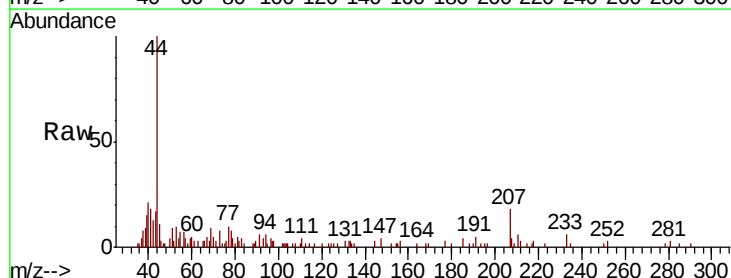
Tgt Ion: 53 Resp: 929

Ion Ratio Lower Upper

53 100

52 0.0 77.2 115.8#

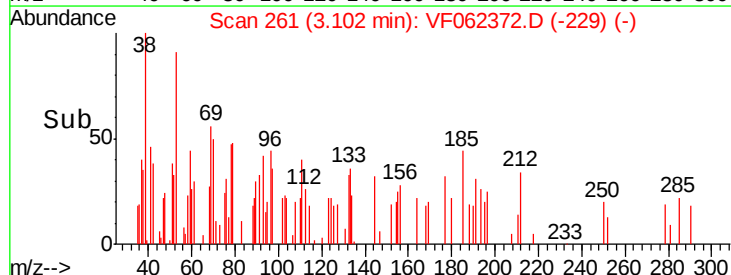
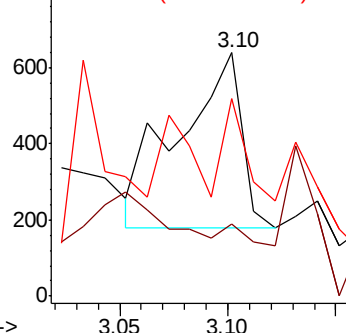
51 0.0 40.6 61.0#

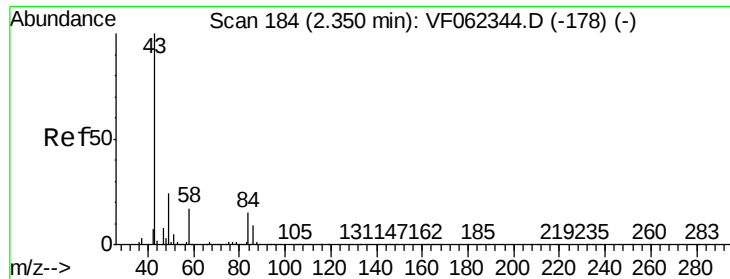


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 4.129 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

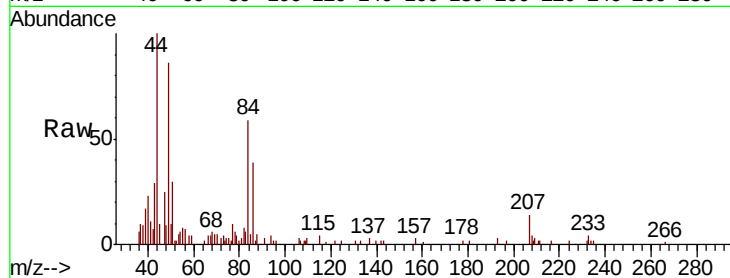
VF0508SBL01

Tgt Ion: 43 Resp: 3059

Ion Ratio Lower Upper

43 100

58 13.6 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

2000

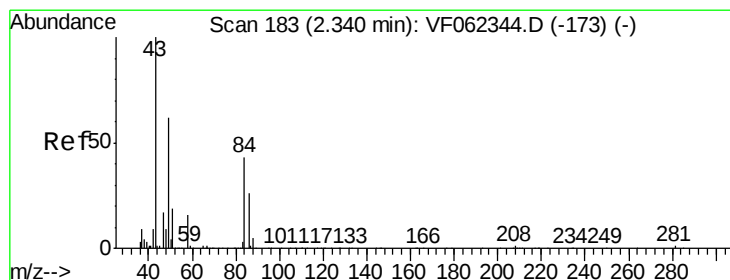
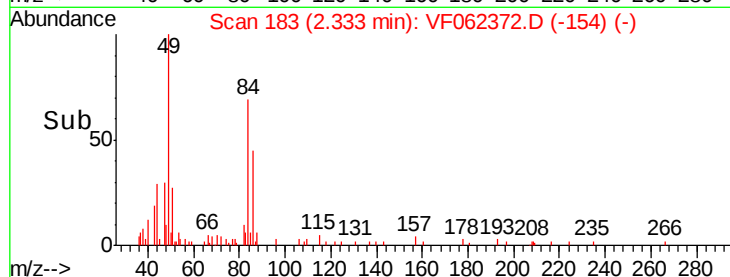
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 5.256 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Tgt Ion: 84 Resp: 14088

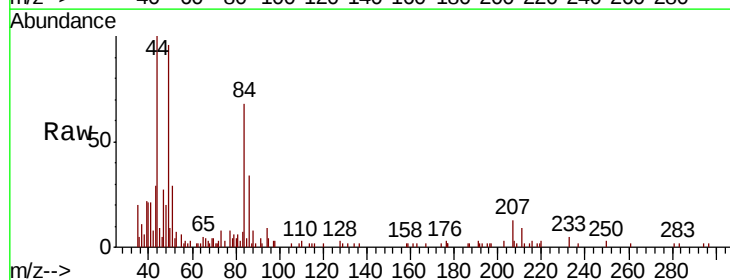
Ion Ratio Lower Upper

84 100

49 136.8 117.5 176.3

51 33.6 37.0 55.4#

86 51.8 49.3 73.9



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

8000

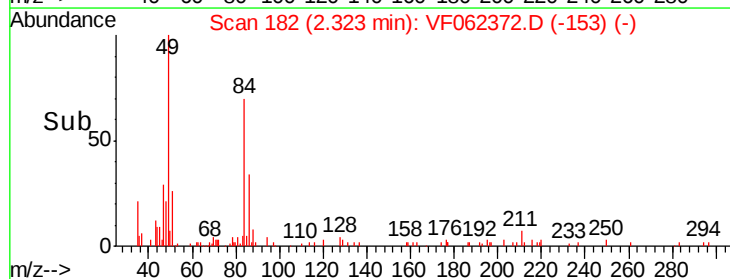
6000

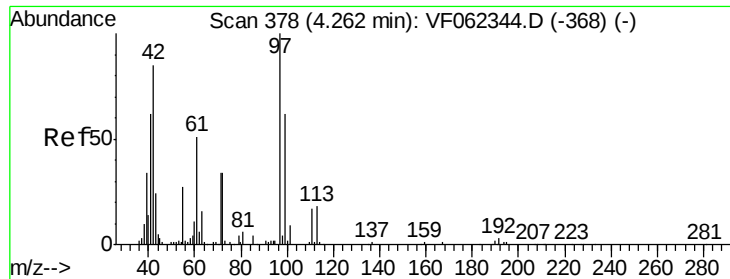
4000

2000

0

Time-->





#29

Tetrahydrofuran

Concen: 3.392 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBL01

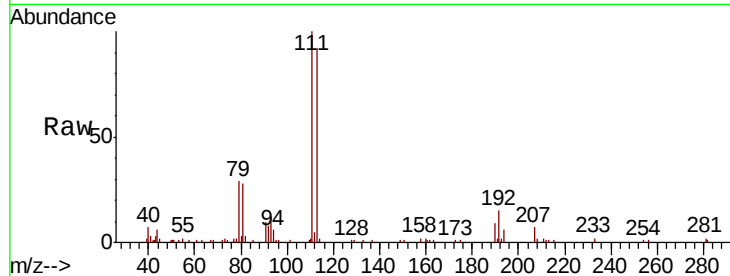
Tgt Ion: 42 Resp: 1451

Ion Ratio Lower Upper

42 100

72 13.4 31.4 47.0#

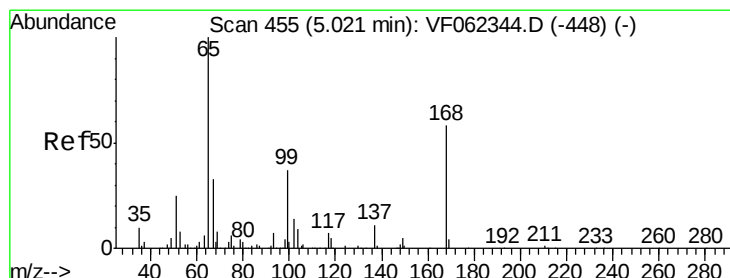
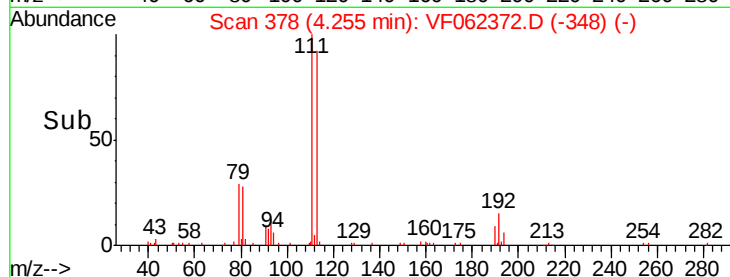
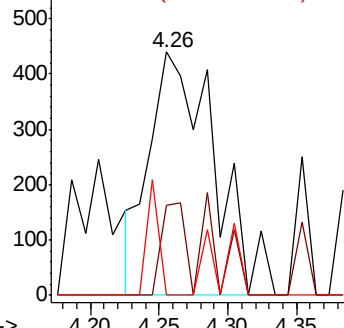
71 8.5 31.7 47.5#



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: 52.494 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062372.D

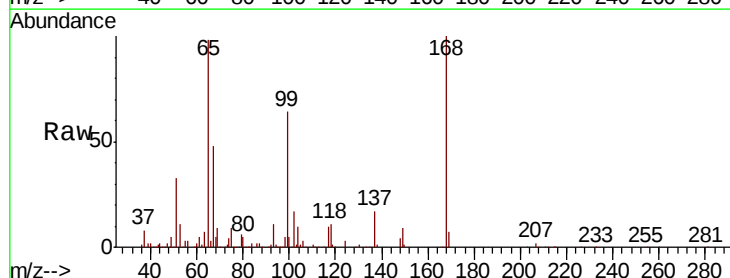
Acq: 8 May 2019 12:44

Tgt Ion: 65 Resp: 192236

Ion Ratio Lower Upper

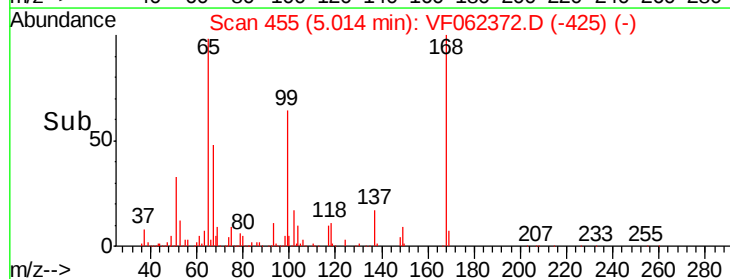
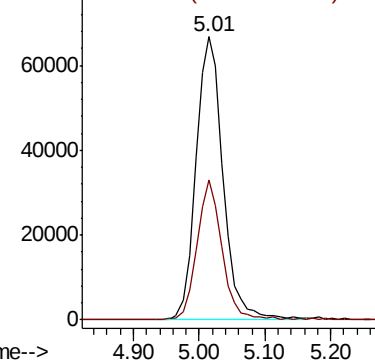
65 100

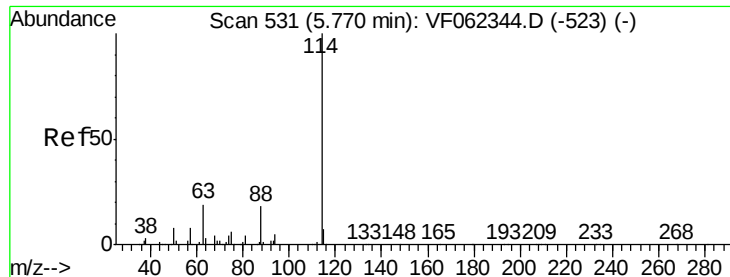
67 45.6 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

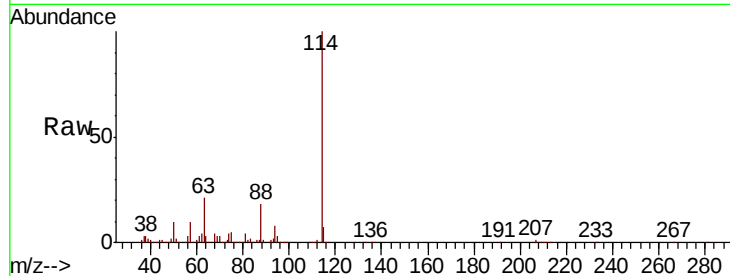




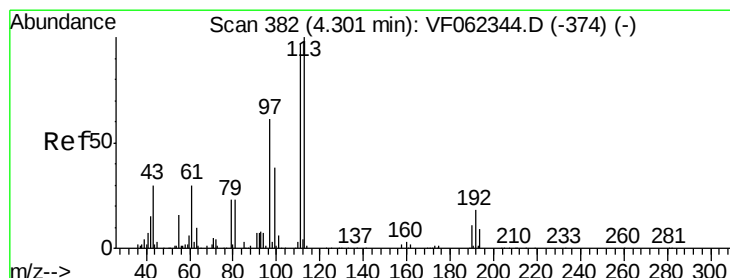
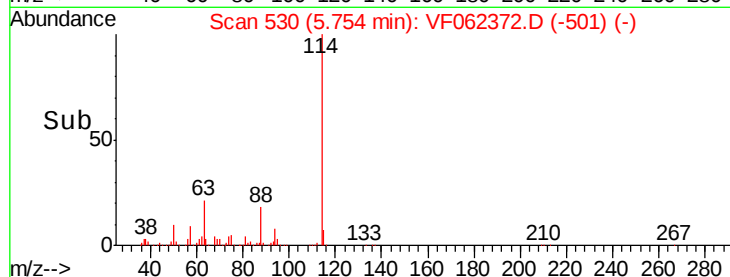
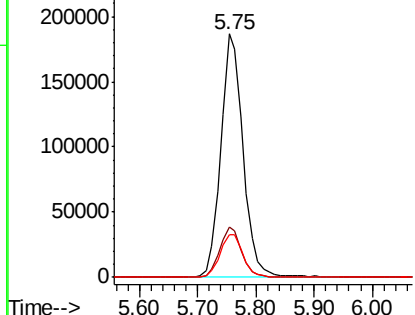
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062372.D
 Acq: 8 May 2019 12:44

Instrument :
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 VF0508SBL01

Tgt Ion:114 Resp: 495770
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.4
 88 17.8 0.0 36.4

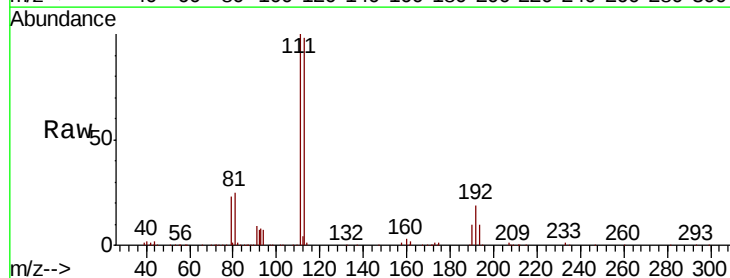


Abundance Ion 113.90 (113.60 to 114.60): V
 250000 Ion 63.00 (62.70 to 63.70): VF0
 200000 Ion 87.90 (87.60 to 88.60): VF0
 150000
 100000
 50000
 0

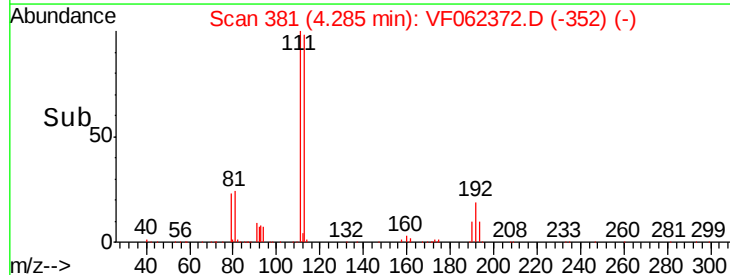
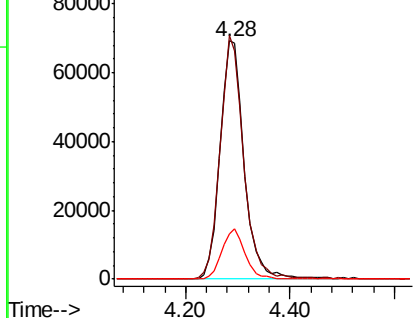


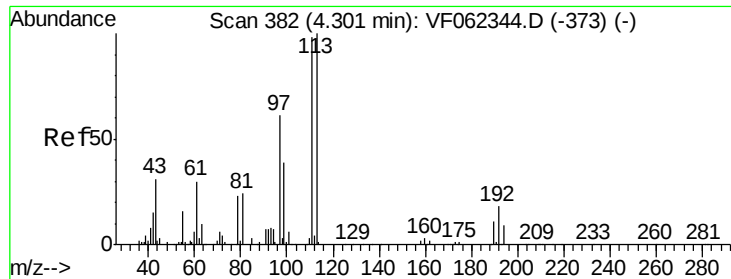
#35
 Dibromofluoromethane
 Concen: 55.780 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF062372.D
 Acq: 8 May 2019 12:44

Tgt Ion:113 Resp: 220316
 Ion Ratio Lower Upper
 113 100
 111 98.8 79.4 119.0
 192 20.2 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V
 80000 Ion 110.80 (110.50 to 111.50): V
 60000 Ion 191.70 (191.40 to 192.40): V
 40000
 20000
 0

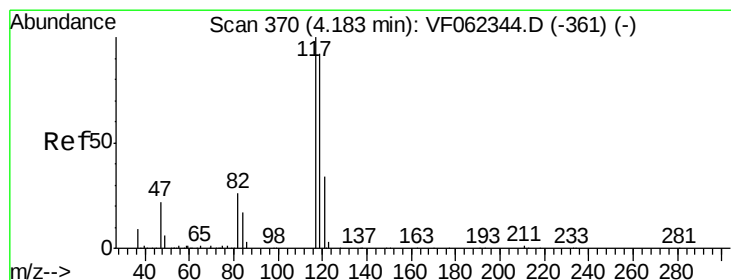
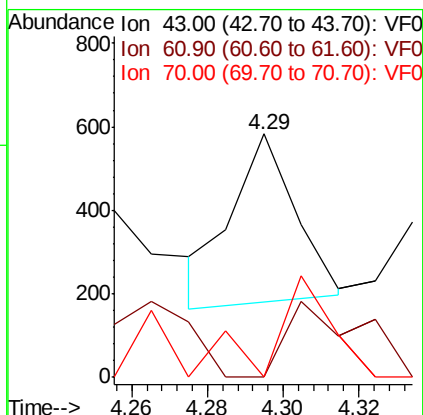
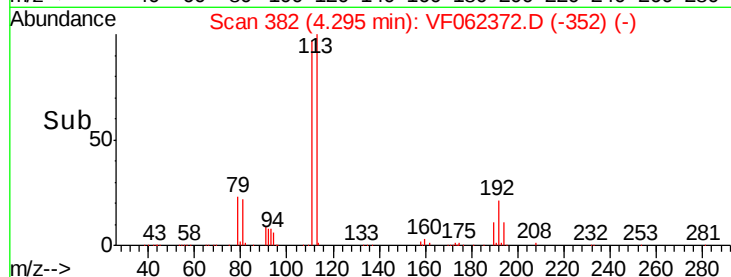
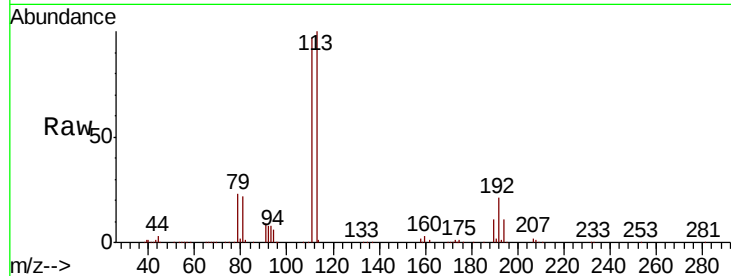




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062372.D
Acq: 8 May 2019 12:44

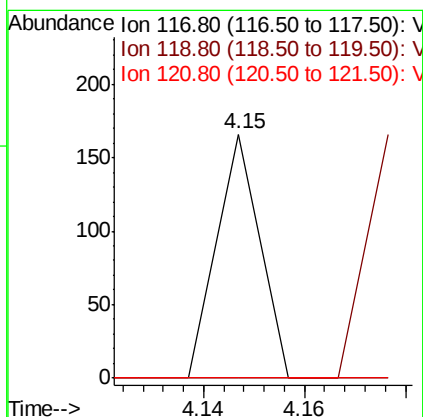
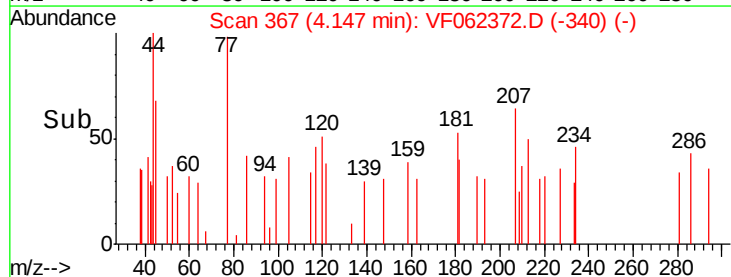
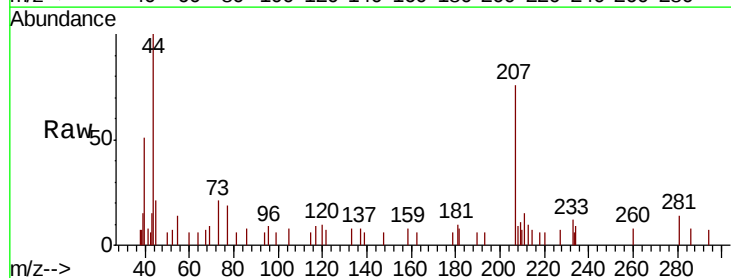
Instrument :
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VF0508SBL01

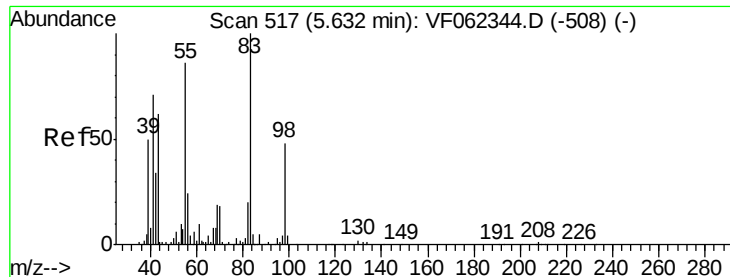
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
61 53.2 0.0 0.0#
70 57.9 8.2 12.2#



#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.15 min Scan# 367
Delta R.T. -0.04 min
Lab File: VF062372.D
Acq: 8 May 2019 12:44

Tgt Ion: 117 Resp: 98
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#





#39

Methylcyclohexane

Concen: 1.664 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.12 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBL01

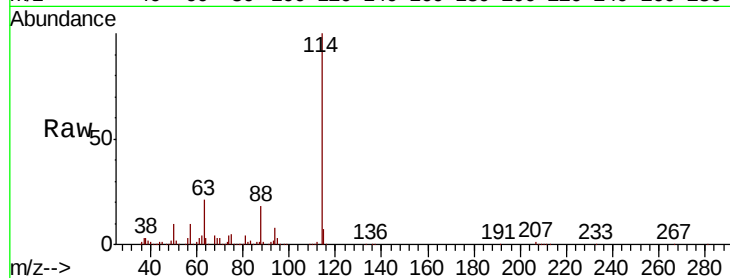
Tgt Ion: 83 Resp: 7107

Ion Ratio Lower Upper

83 100

55 24.8 69.0 103.6#

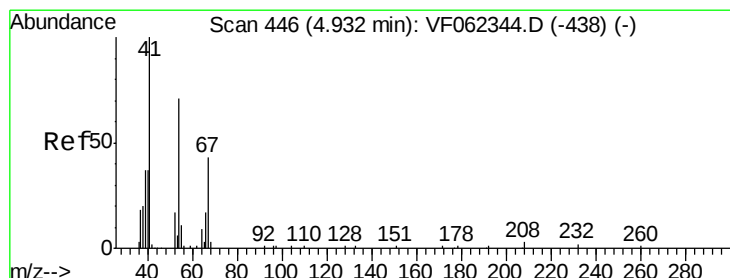
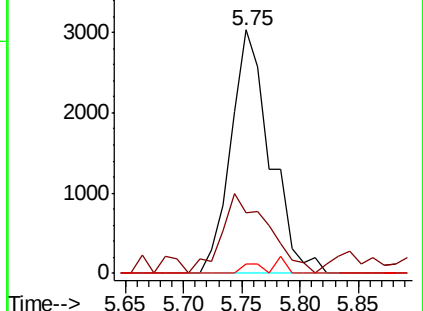
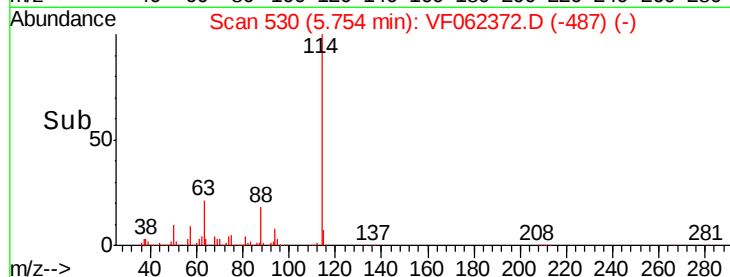
98 4.0 38.6 58.0#



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



#41

Methacrylonitrile

Concen: 1.496 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.03 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Tgt Ion: 41 Resp: 1528

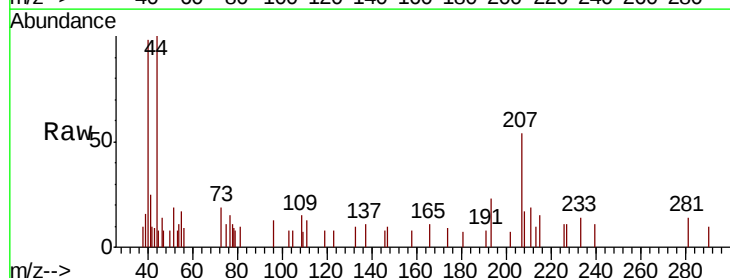
Ion Ratio Lower Upper

41 100

39 156.9 54.3 81.5#

67 0.0 37.8 56.8#

52 19.1 58.2 87.4#

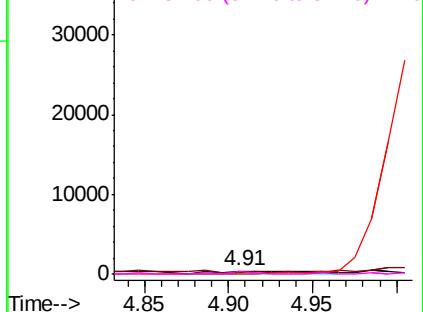
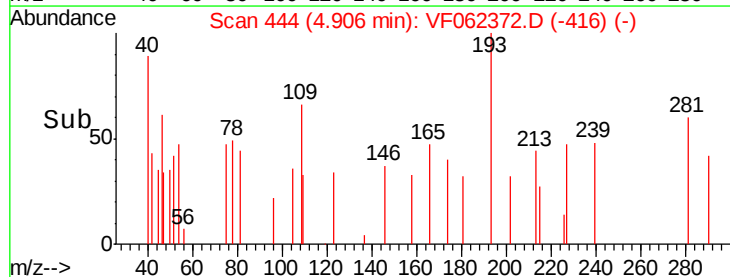


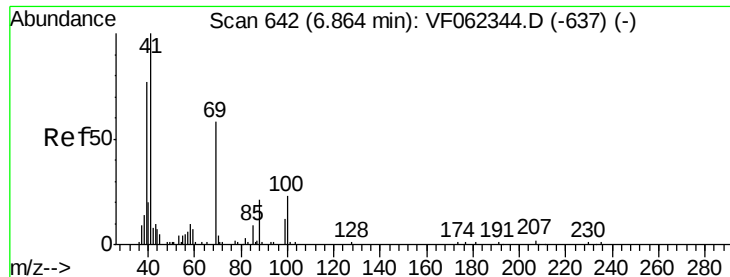
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

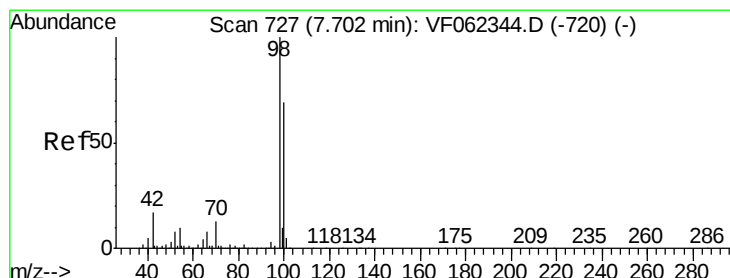
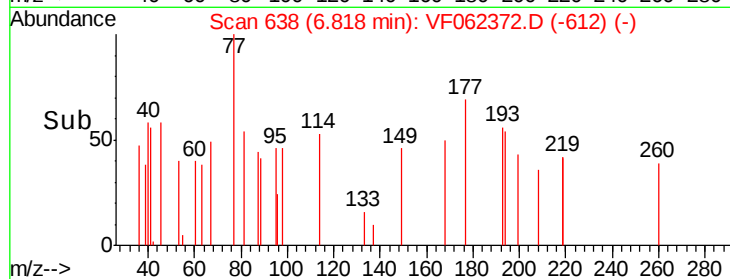
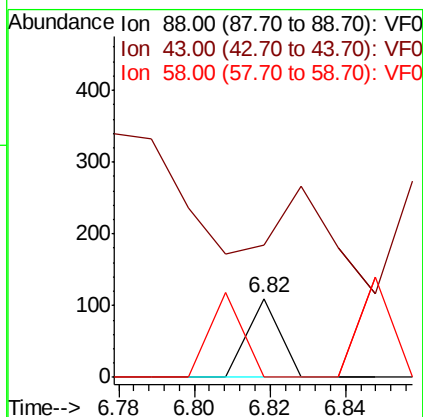
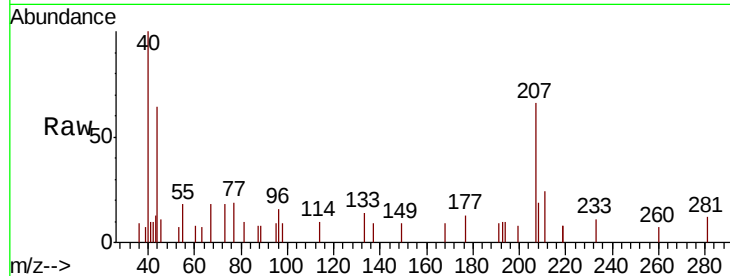




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.82 min Scan# 638
Delta R.T. -0.05 min
Lab File: VF062372.D
Acq: 8 May 2019 12:44

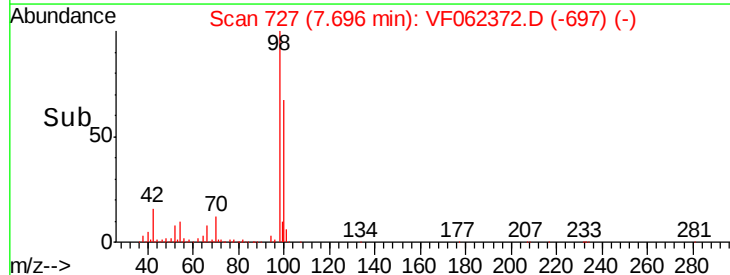
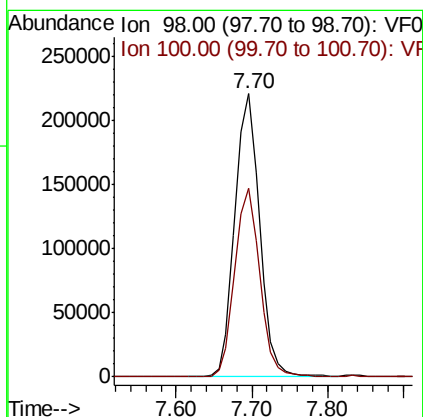
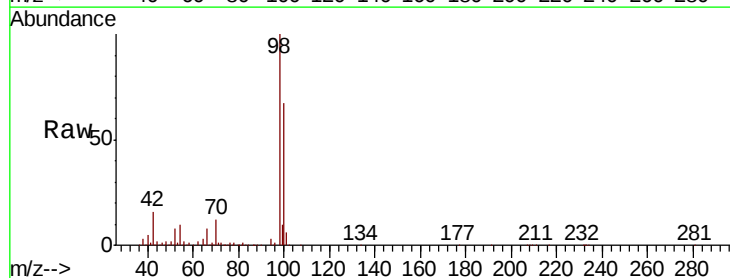
Instrument :
MSVOA_F
ClientSampleId :
VF0508SBL01

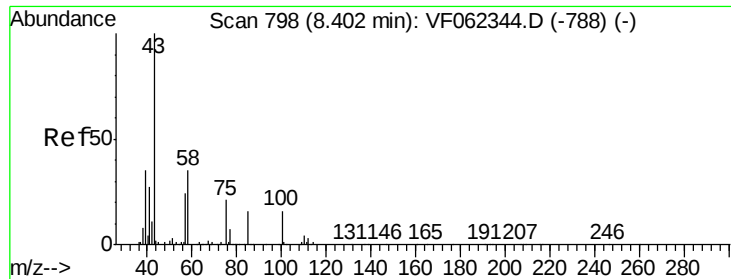
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 256.9 55.6 83.4#
58 107.7 52.8 79.2#



#50
Toluene-d8
Concen: 52.508 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062372.D
Acq: 8 May 2019 12:44

Tgt Ion: 98 Resp: 502025
Ion Ratio Lower Upper
98 100
100 67.5 53.3 79.9

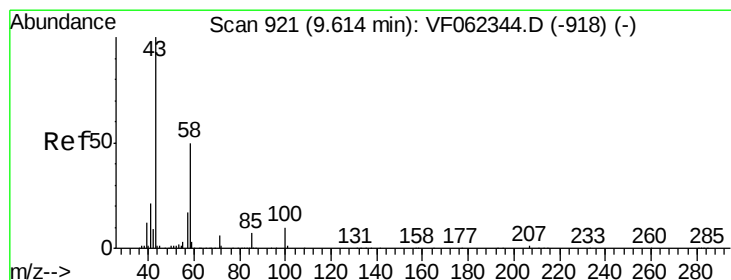
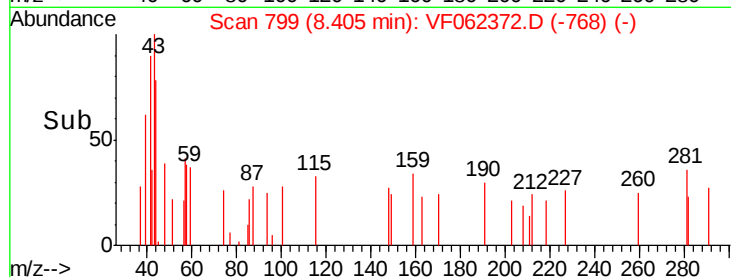
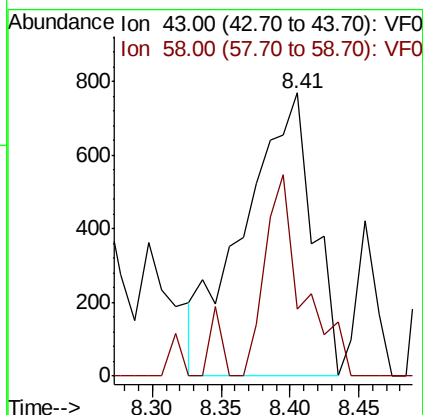
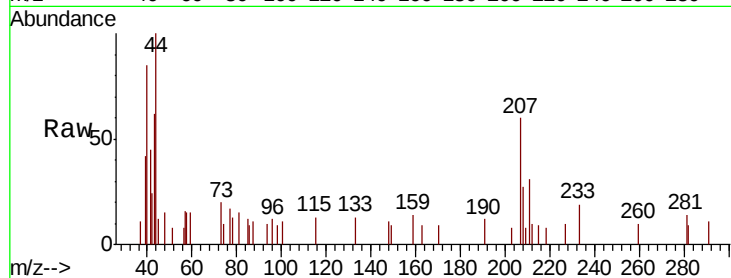




#51
 4-Methyl-2-Pentanone
 Concen: 1.822 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VF062372.D
 Acq: 8 May 2019 12:44

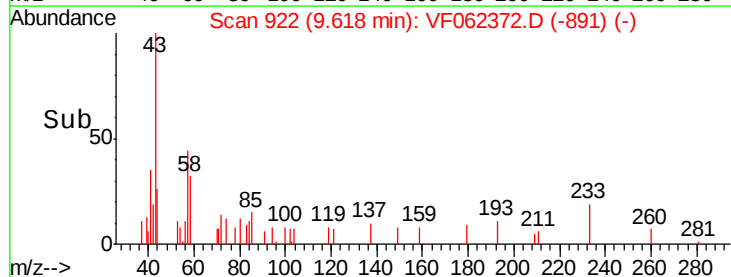
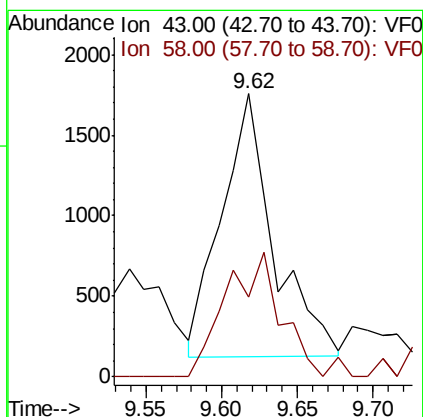
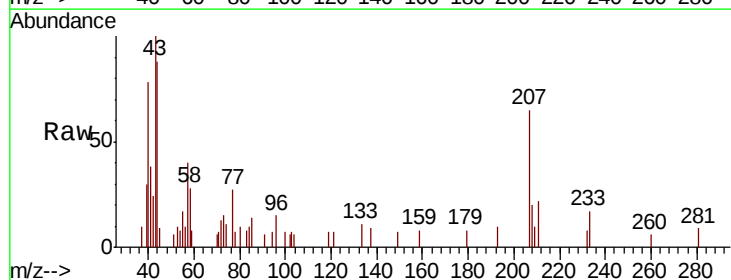
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBL01

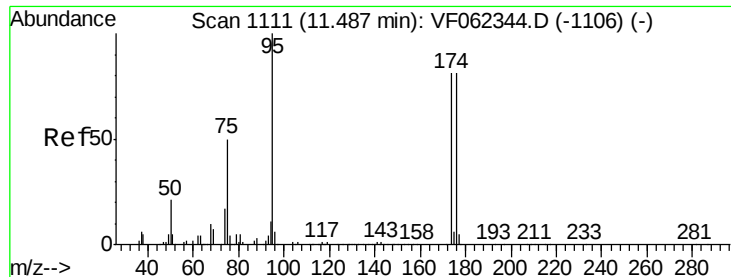
Tgt Ion: 43 Resp: 2675
 Ion Ratio Lower Upper
 43 100
 58 39.6 27.8 41.6



#59
 2-Hexanone
 Concen: 3.850 ug/l
 RT: 9.62 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VF062372.D
 Acq: 8 May 2019 12:44

Tgt Ion: 43 Resp: 3908
 Ion Ratio Lower Upper
 43 100
 58 51.9 24.3 73.0





#62

4-Bromofluorobenzene

Concen: 55.690 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF0508SBL01

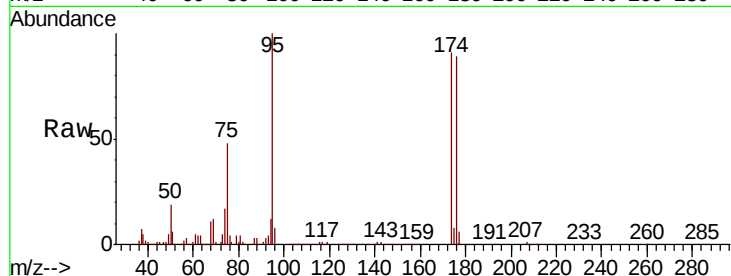
Tgt Ion: 95 Resp: 240219

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.8

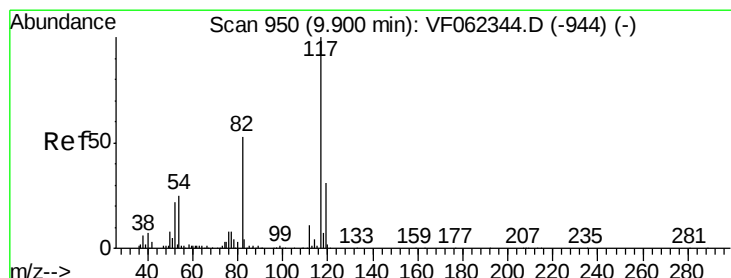
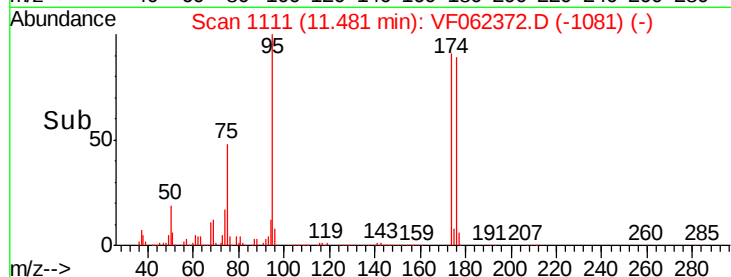
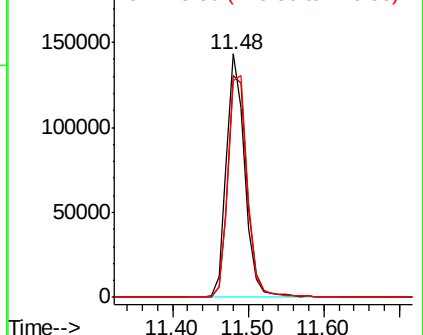
176 96.4 0.0 193.2



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: 9.89 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF062372.D

Acq: 8 May 2019 12:44

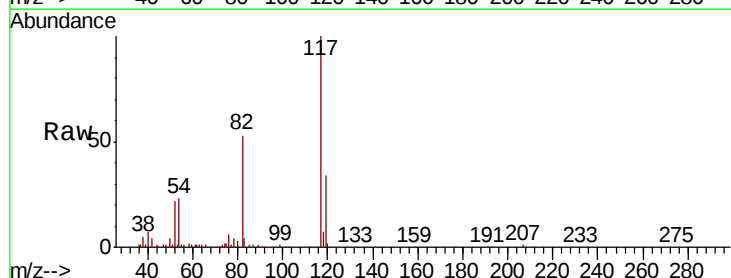
Tgt Ion: 117 Resp: 416976

Ion Ratio Lower Upper

117 100

82 53.2 42.2 63.2

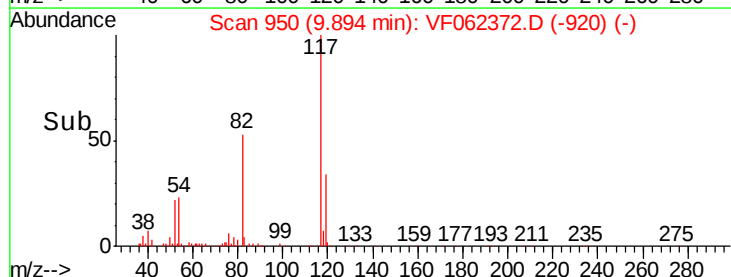
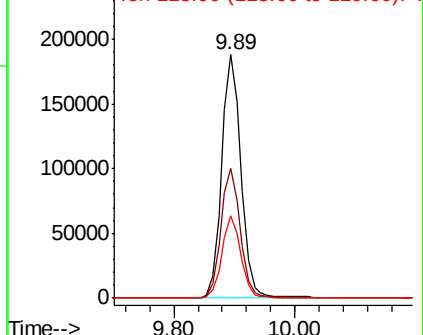
119 33.6 25.0 37.4

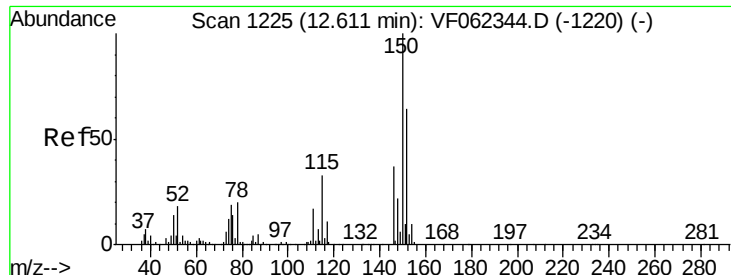


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V

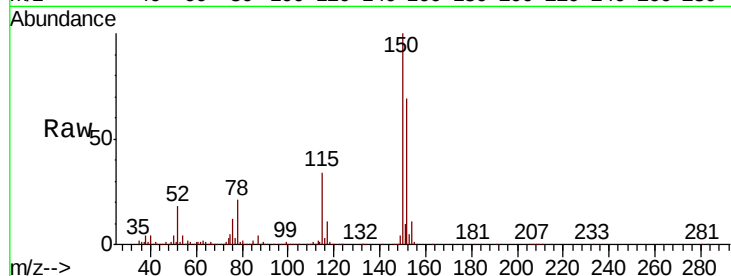




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.60 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062372.D
 Acq: 8 May 2019 12:44

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0508SBL01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	26.4	79.2
150	146.8	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

