

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
 Data File : VF062359.D
 Acq On : 7 May 2019 16:01
 Operator : FY/SY
 Sample : K2635-05
 Misc : 5.32g/5mL/MSVOA_F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-050219-C

Quant Time: May 07 16:23:21 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

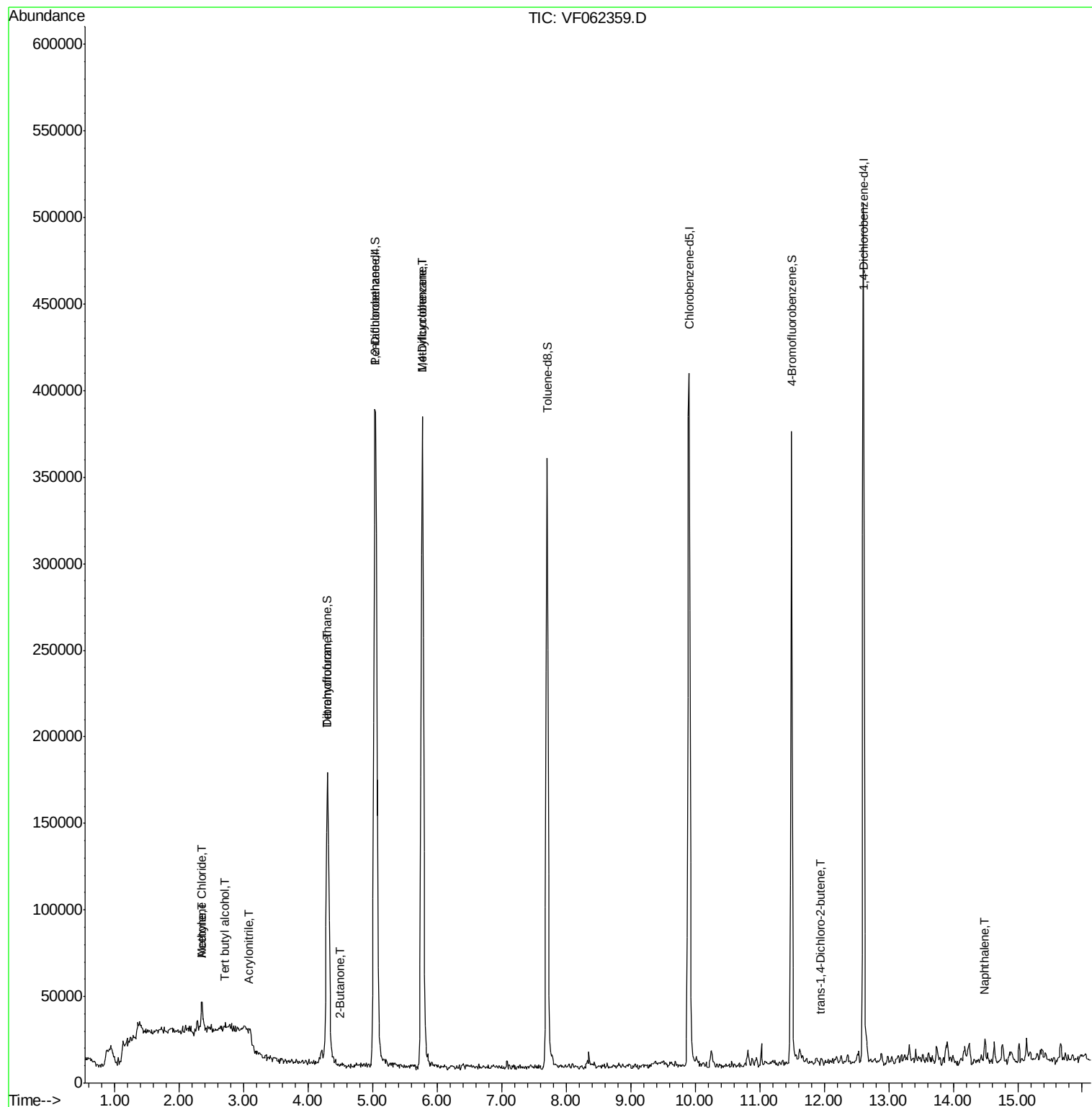
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	335729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	437753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	297157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	129585	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	147616	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
35) Dibromofluoromethane	4.30	113	156944	45.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.00%	
50) Toluene-d8	7.71	98	311730	36.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.86%	
62) 4-Bromofluorobenzene	11.49	95	120101	31.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.06%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.39	94	577	Below Cal	#	74
11) Tert butyl alcohol	2.69	59	2751	15.342	ug/l	94
13) Acrolein	2.12	56	544	Below Cal	#	1
15) Acrylonitrile	3.09	53	1735	5.108	ug/l #	29
16) Acetone	2.35	43	22367	34.849	ug/l #	92
18) Methyl Acetate	2.45	43	1299	Below Cal	#	3
20) Methylene Chloride	2.35	84	2944	1.268	ug/l #	53
25) 2-Butanone	4.50	43	1199	1.487	ug/l #	60
29) Tetrahydrofuran	4.29	42	1747	4.714	ug/l #	68
37) Ethyl Acetate	4.31	43	938	Below Cal	#	93
38) Carbon Tetrachloride	4.19	117	140	Below Cal	#	14
39) Methylcyclohexane	5.77	83	6465	1.714	ug/l #	35
49) 1,4-Dioxane	6.86	88	70	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	11.95	75	381	1.104	ug/l #	44
95) Naphthalene	14.49	128	5744	1.195	ug/l #	87

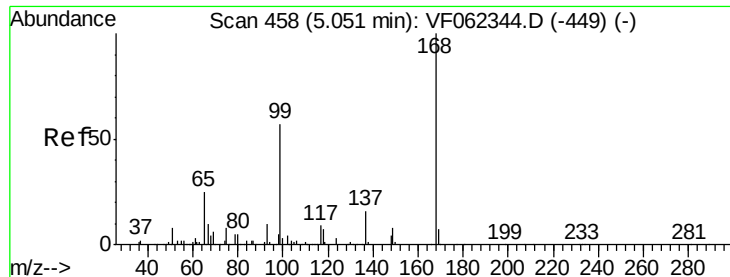
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF050719\
Data File : VF062359.D
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

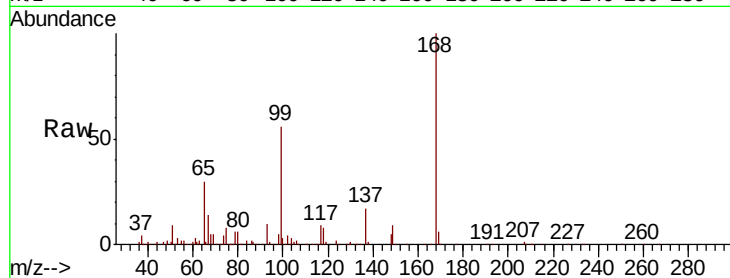
AU-05-050219-C

Tgt Ion:168 Resp: 335729

Ion Ratio Lower Upper

168 100

99 55.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

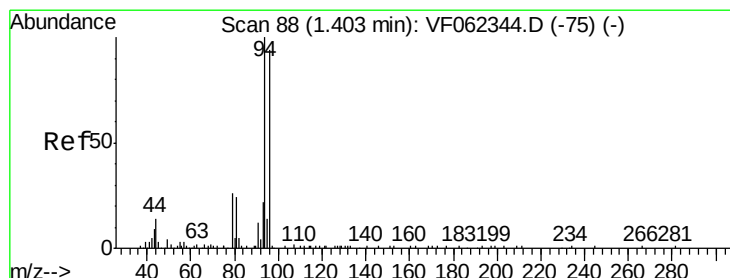
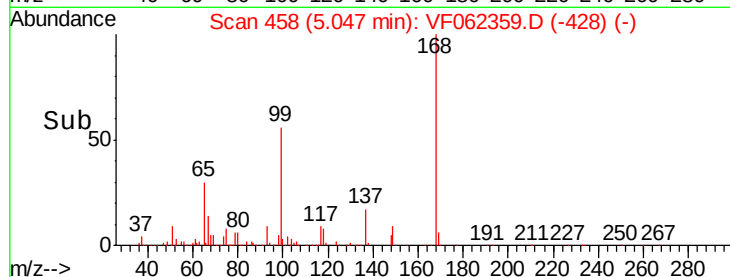
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062359.D

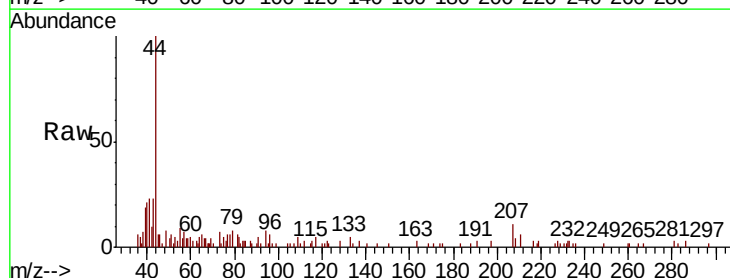
Acq: 7 May 2019 16:01

Tgt Ion: 94 Resp: 577

Ion Ratio Lower Upper

94 100

96 68.7 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.39

600

500

400

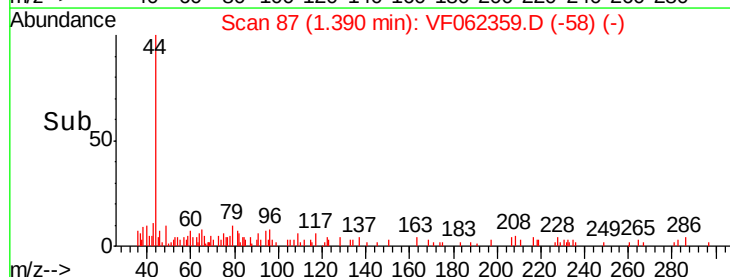
300

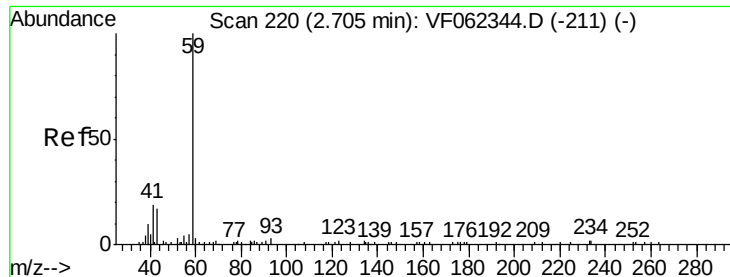
200

100

0

Time-->



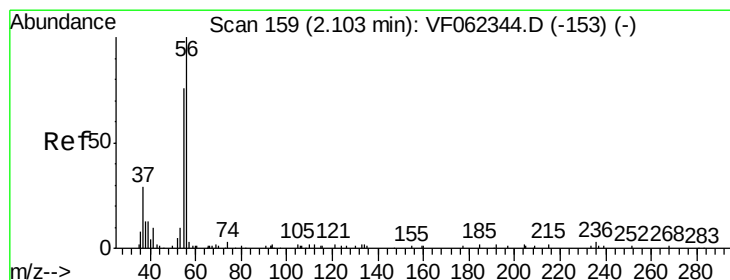
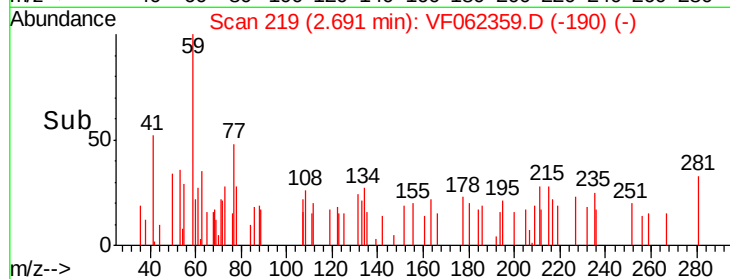
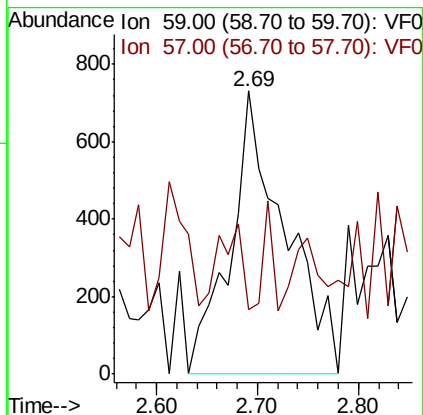
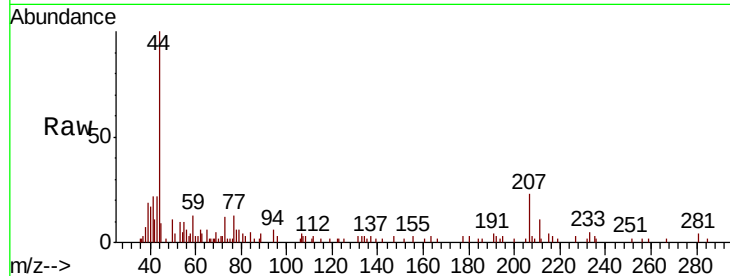


#11

Tert butyl alcohol
Concen: 15.342 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-C

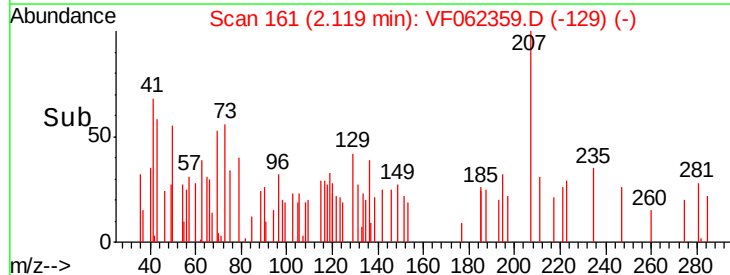
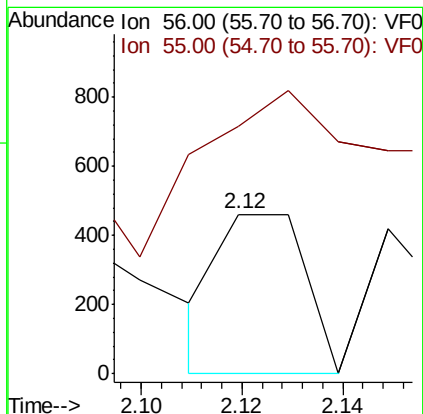
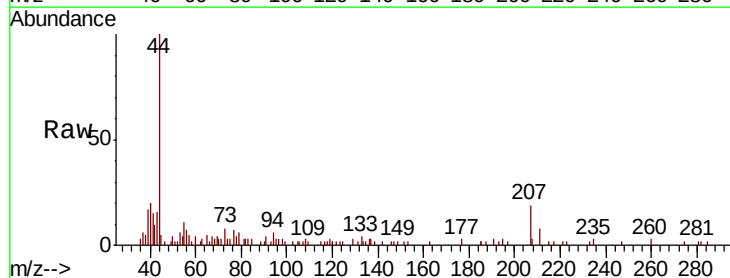
Tgt Ion: 59 Resp: 2751
Ion Ratio Lower Upper
59 100
57 13.8 9.3 13.9

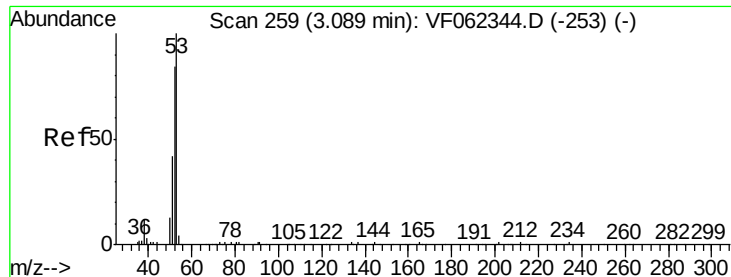


#13

Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Tgt Ion: 56 Resp: 544
Ion Ratio Lower Upper
56 100
55 237.1 58.4 87.6#





#15

Acrylonitrile

Concen: 5.108 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-C

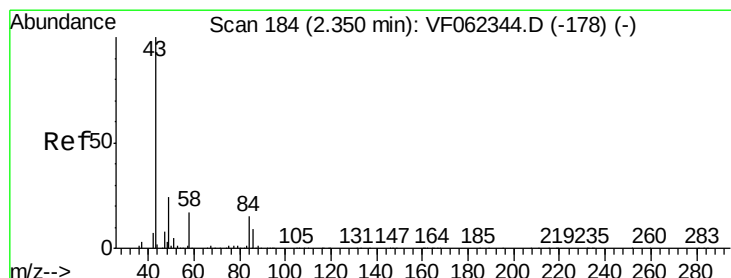
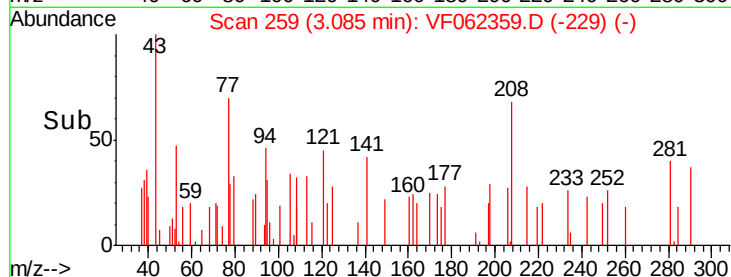
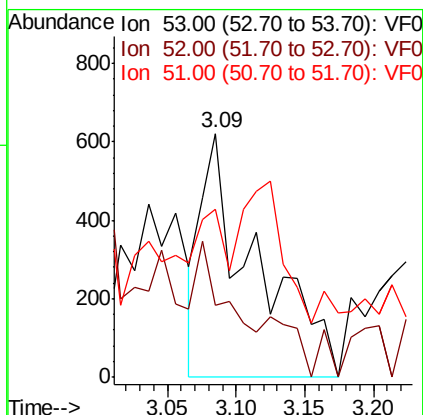
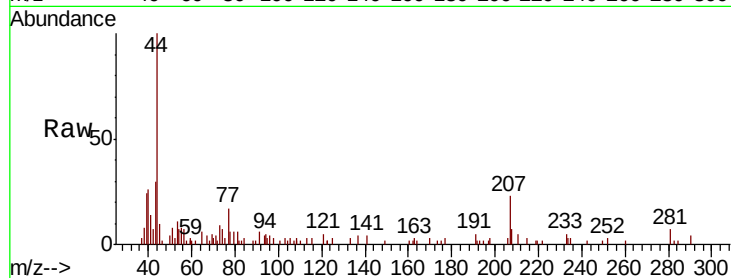
Tgt Ion: 53 Resp: 1735

Ion Ratio Lower Upper

53 100

52 13.6 77.2 115.8#

51 19.6 40.6 61.0#



#16

Acetone

Concen: 34.849 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062359.D

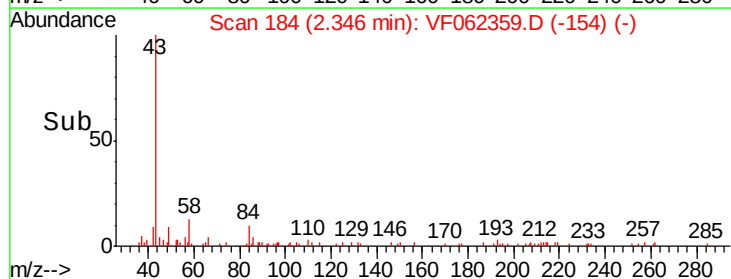
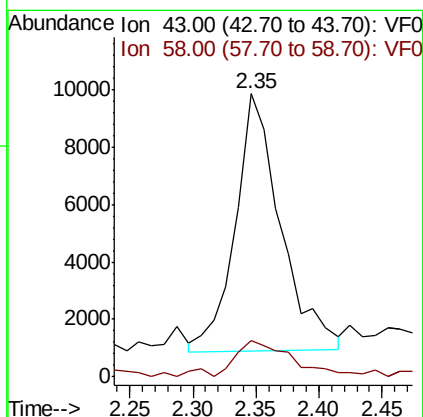
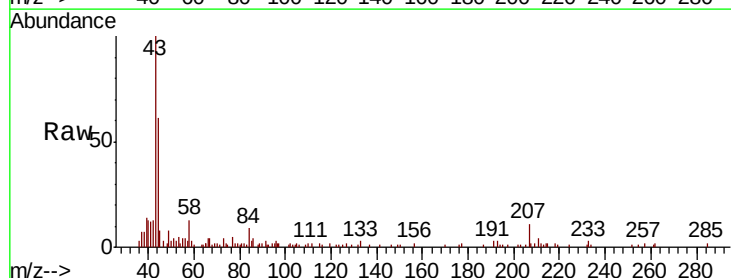
Acq: 7 May 2019 16:01

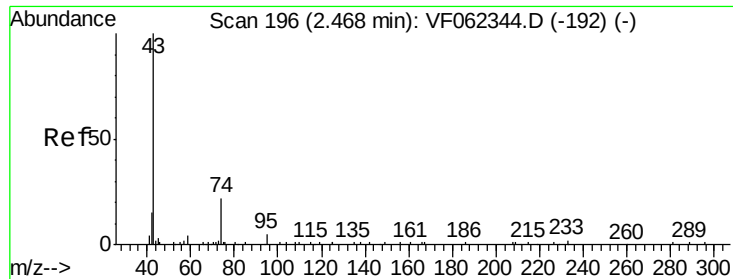
Tgt Ion: 43 Resp: 22367

Ion Ratio Lower Upper

43 100

58 12.8 13.1 19.7#

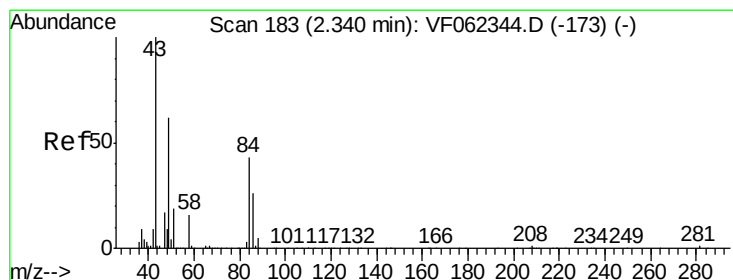
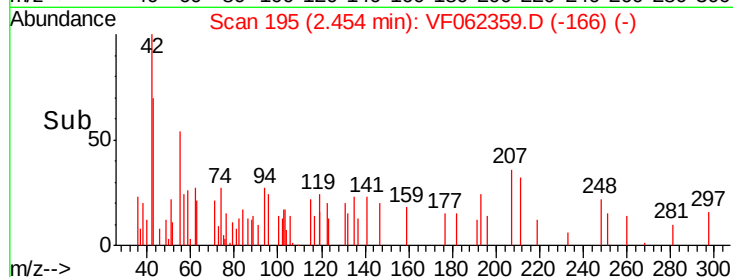
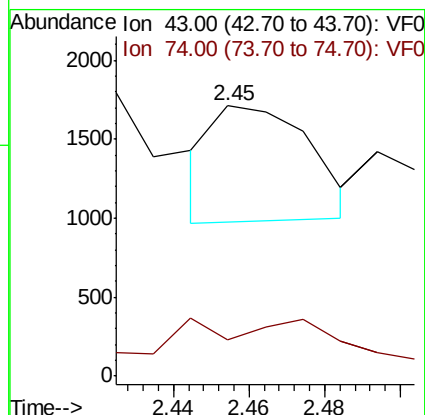
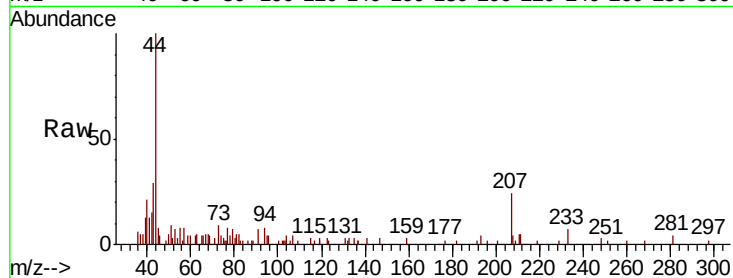




#18
Methyl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

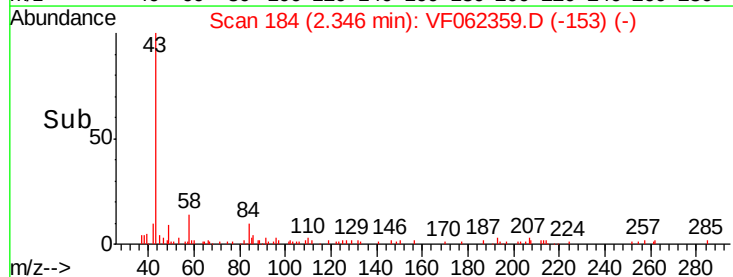
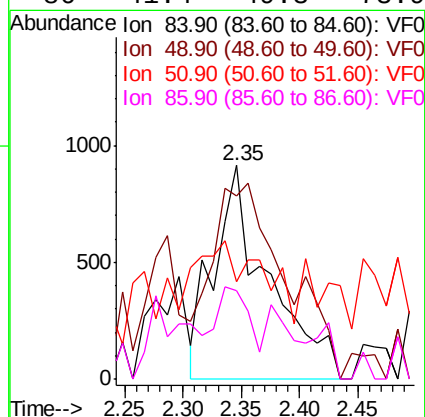
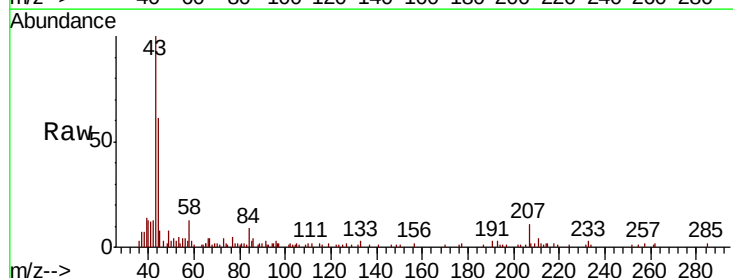
Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-C

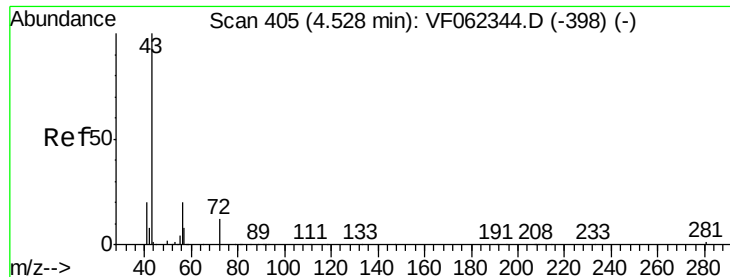
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
74 62.3 15.0 22.4#



#20
Methylene Chloride
Concen: 1.268 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Tgt Ion: 84 Resp: 2944
Ion Ratio Lower Upper
84 100
49 85.9 117.5 176.3#
51 1.5 37.0 55.4#
86 41.4 49.3 73.9#





#25

2-Butanone

Concen: 1.487 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

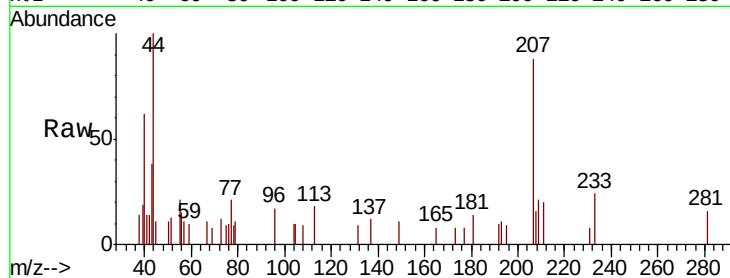
AU-05-050219-C

Tgt Ion: 43 Resp: 1199

Ion Ratio Lower Upper

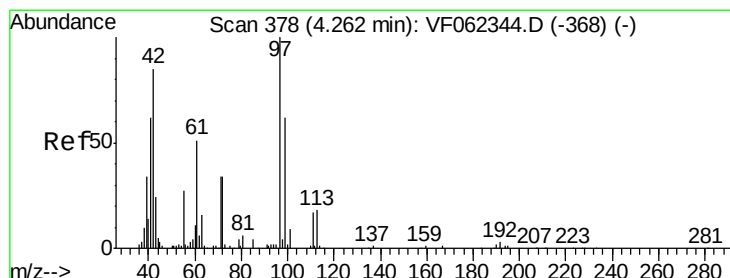
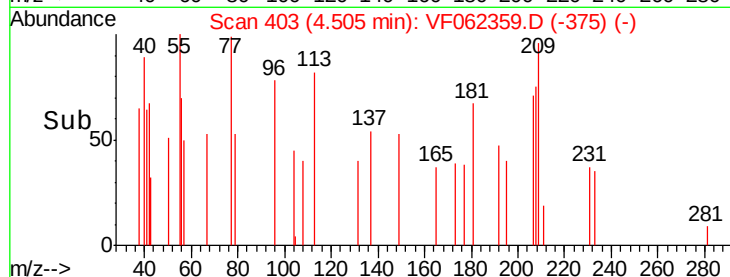
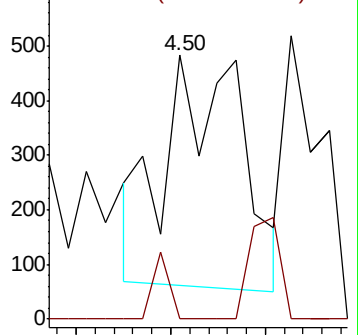
43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 4.714 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.03 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

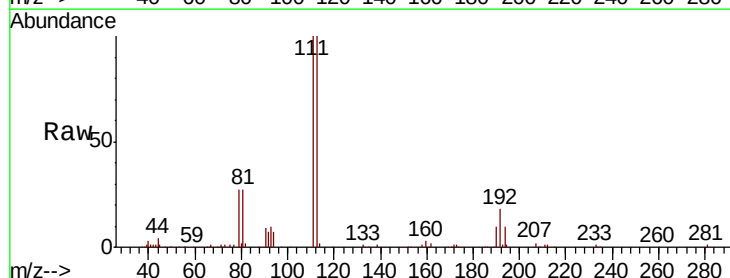
Tgt Ion: 42 Resp: 1747

Ion Ratio Lower Upper

42 100

72 29.3 31.4 47.0#

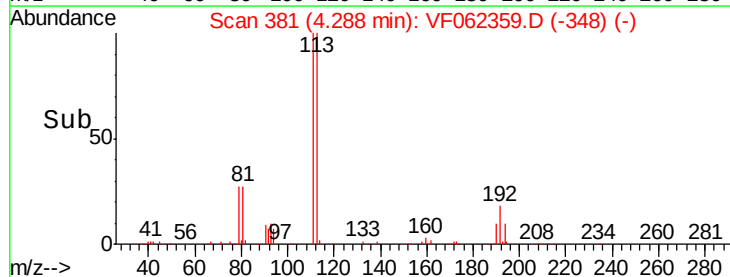
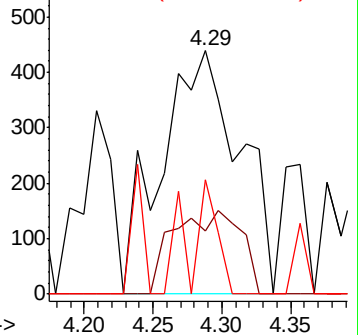
71 10.8 31.7 47.5#

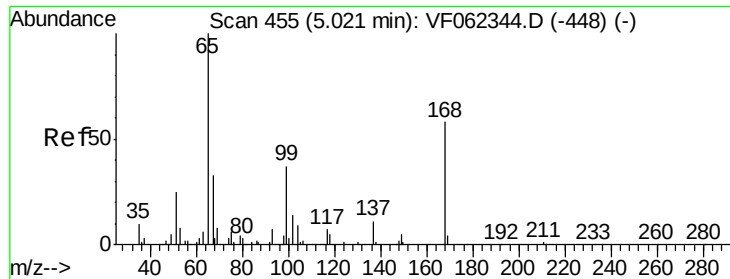


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

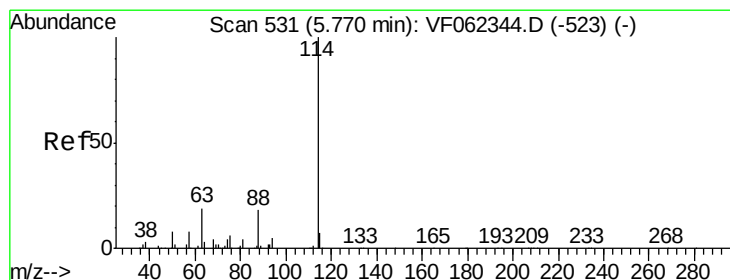
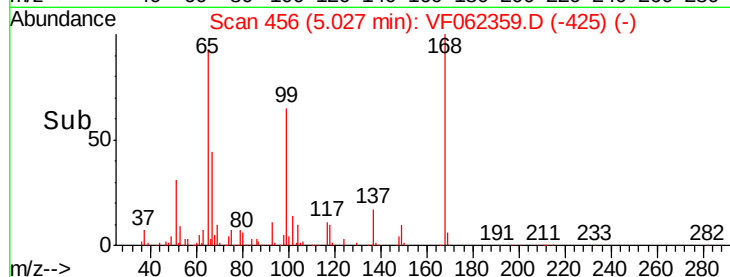
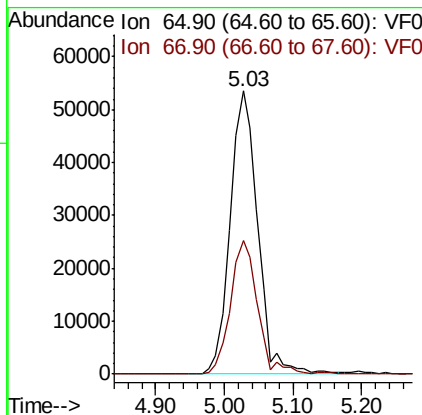
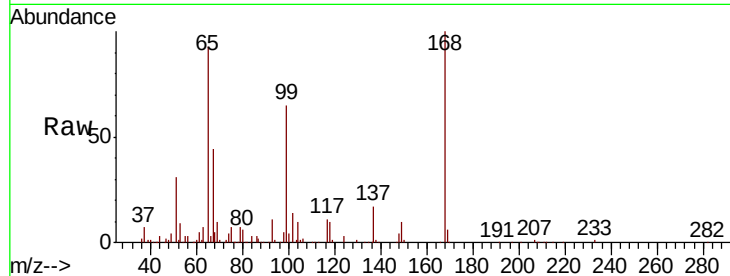




#33
 1,2-Dichloroethane-d4
 Concen: 46.526 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF062359.D
 Acq: 7 May 2019 16:01

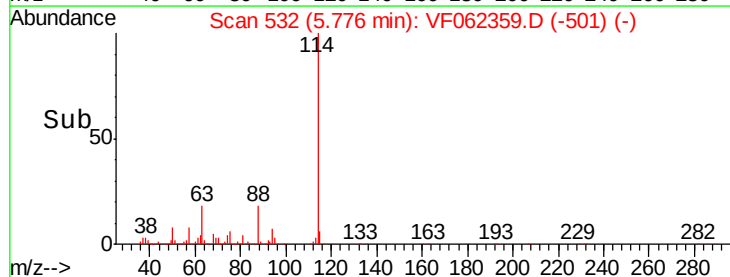
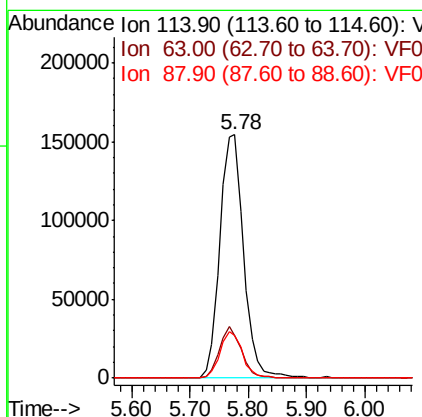
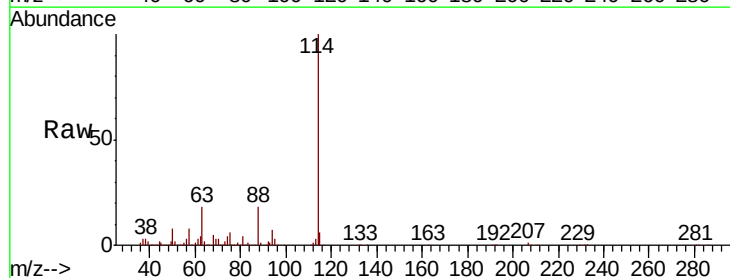
Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-050219-C

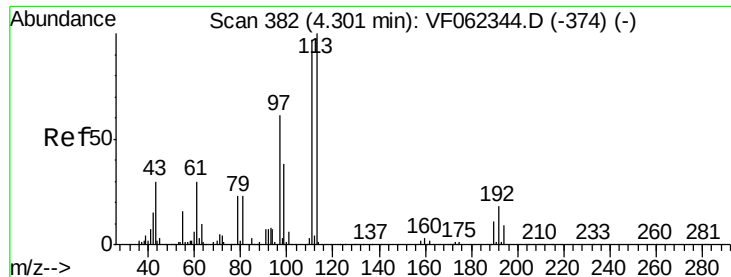
Tgt Ion: 65 Resp: 147616
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062359.D
 Acq: 7 May 2019 16:01

Tgt Ion: 114 Resp: 437753
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.4
 88 17.7 0.0 36.4

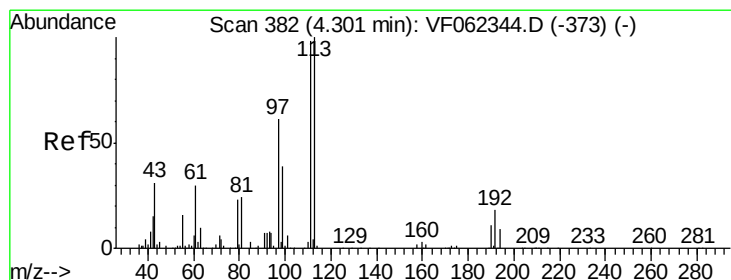
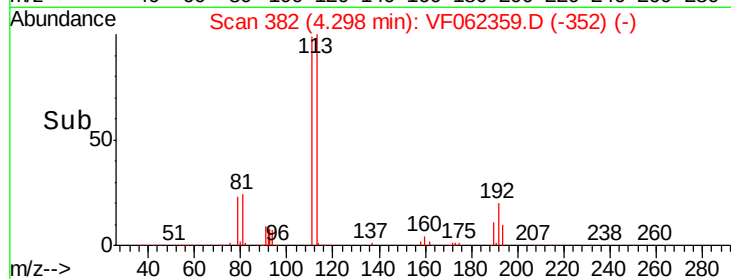
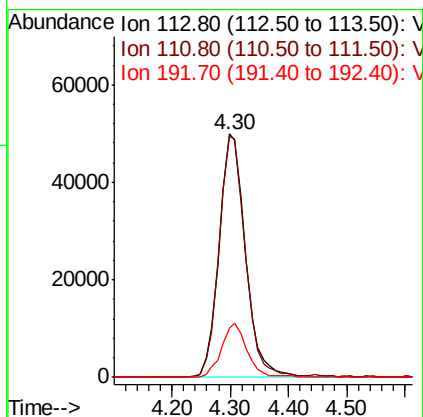
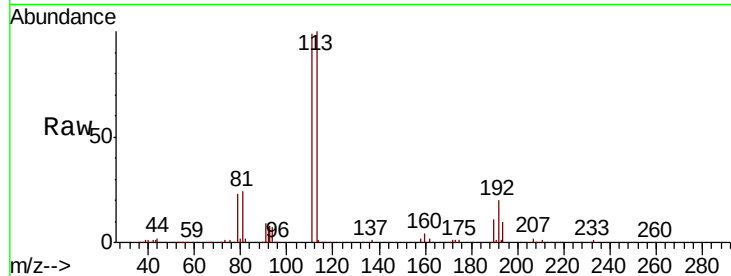




#35
Dibromofluoromethane
Concen: 45.002 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

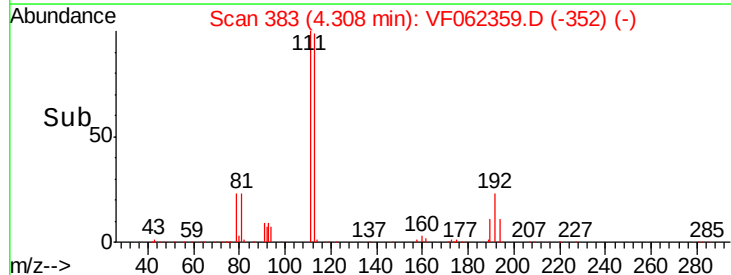
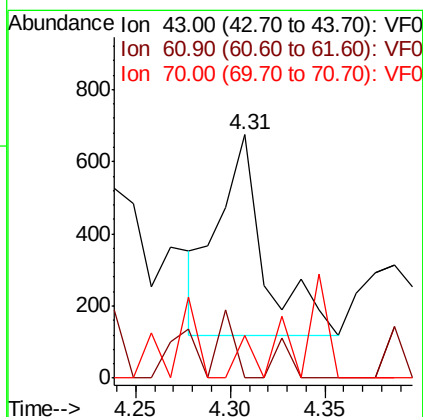
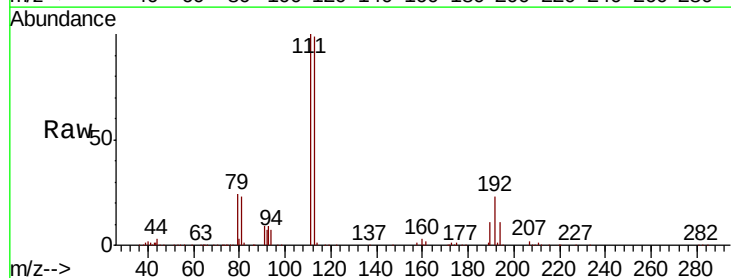
Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-C

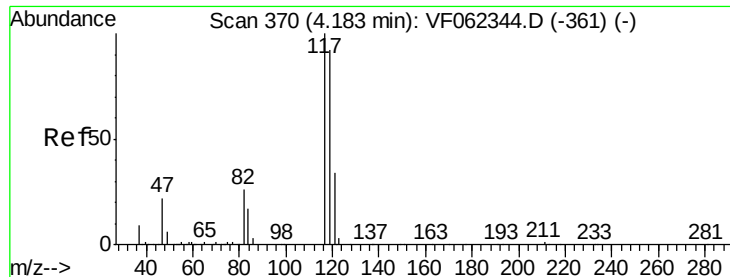
Tgt Ion:113 Resp: 156944
Ion Ratio Lower Upper
113 100
111 98.7 79.4 119.0
192 21.0 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
61 6.9 0.0 0.0#
70 7.6 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.19 min Scan# 371

Delta R.T. 0.01 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-C

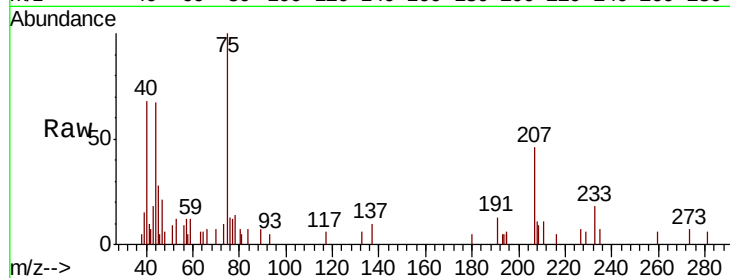
Tgt Ion: 117 Resp: 140

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

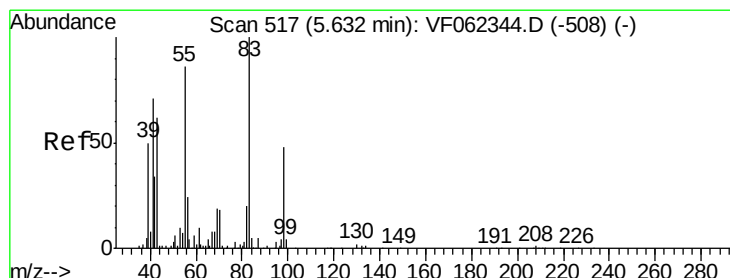
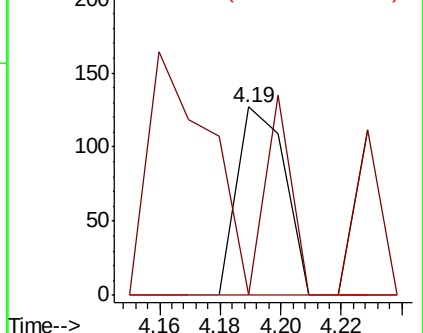
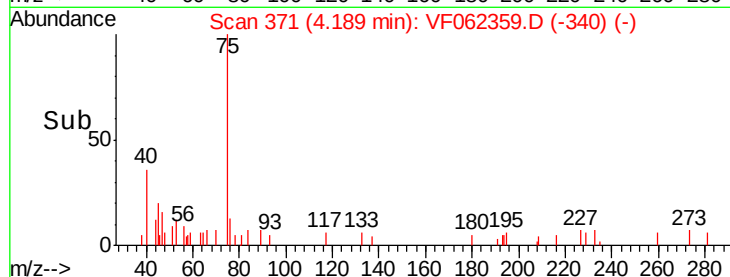
121 0.0 27.4 41.0#



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: 1.714 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

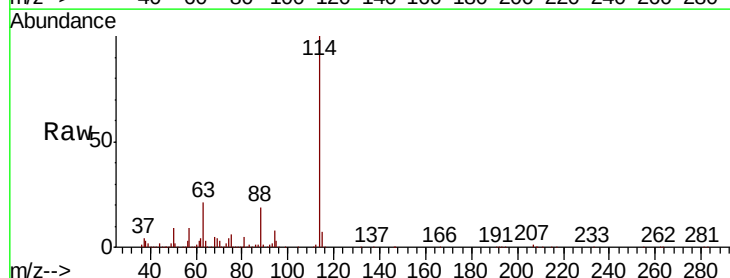
Tgt Ion: 83 Resp: 6465

Ion Ratio Lower Upper

83 100

55 29.4 69.0 103.6#

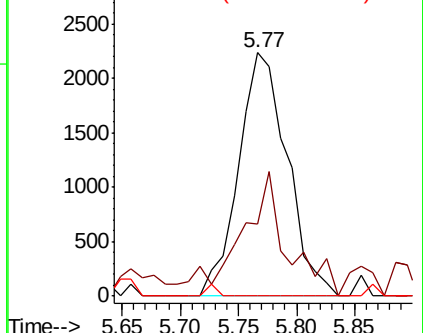
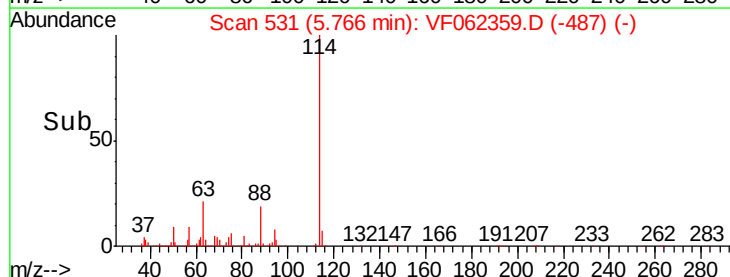
98 0.0 38.6 58.0#

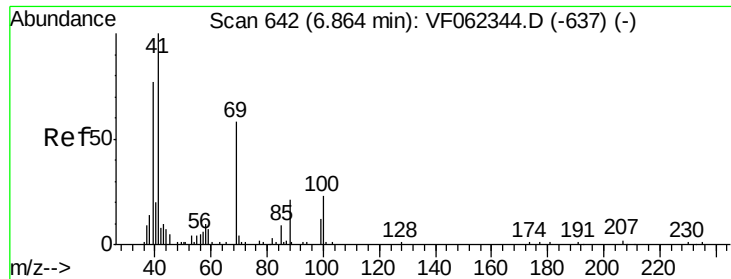


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

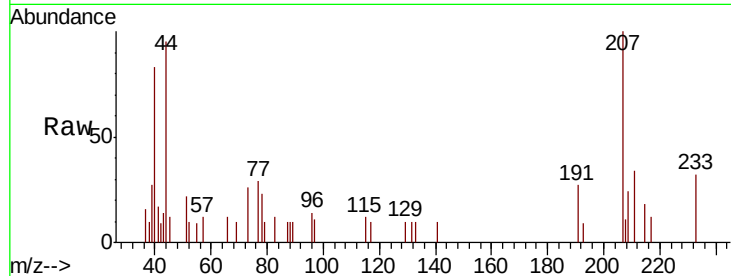




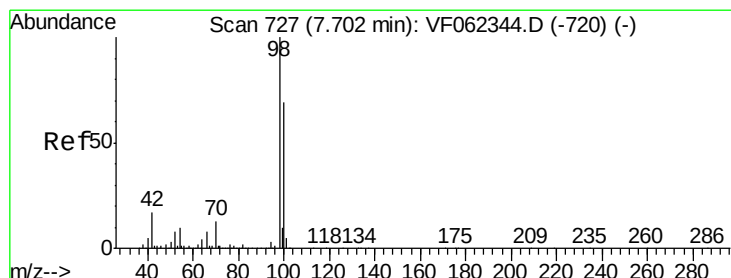
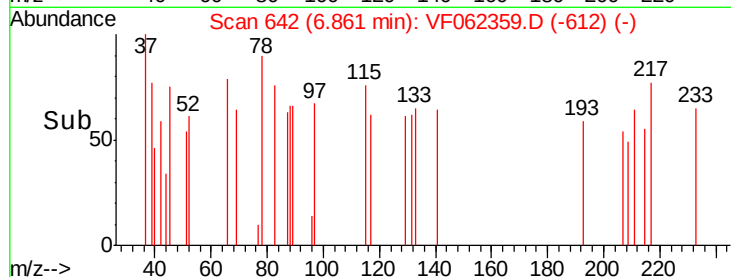
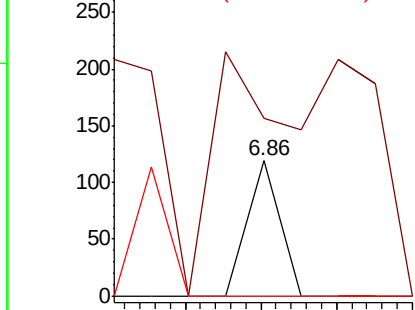
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-C

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 771.4 55.6 83.4#
58 0.0 52.8 79.2#

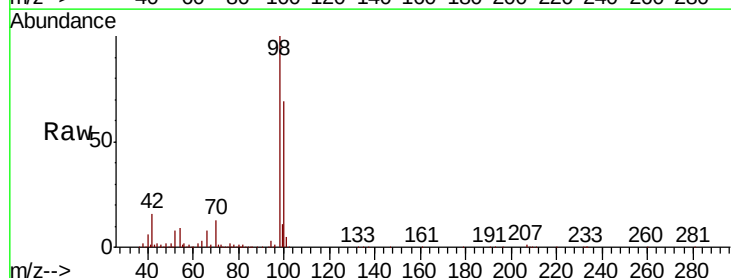


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

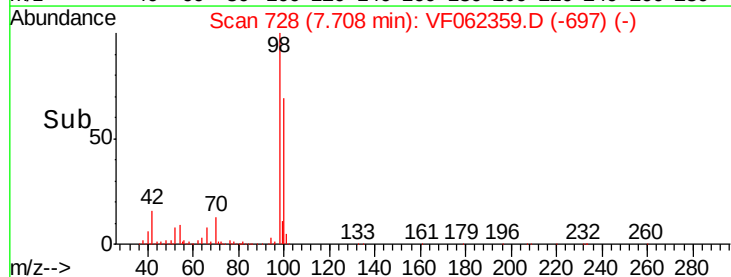
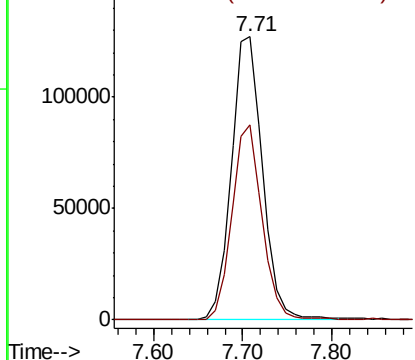


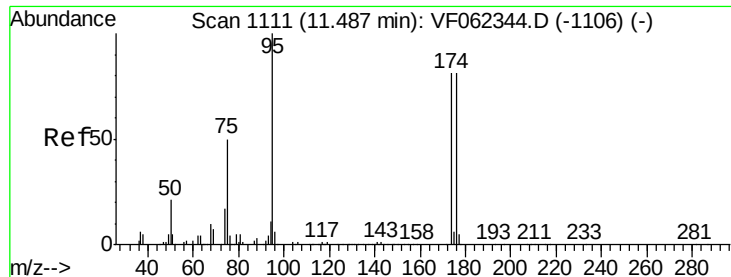
#50
Toluene-d8
Concen: 36.926 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Tgt Ion: 98 Resp: 311730
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

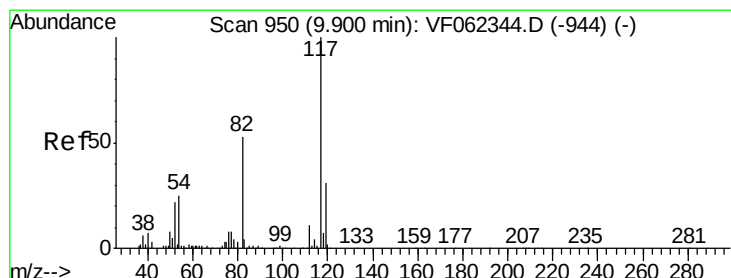
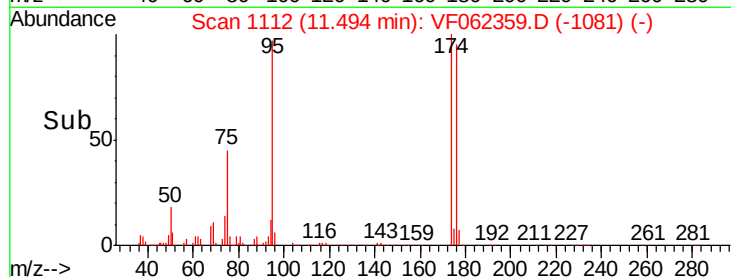
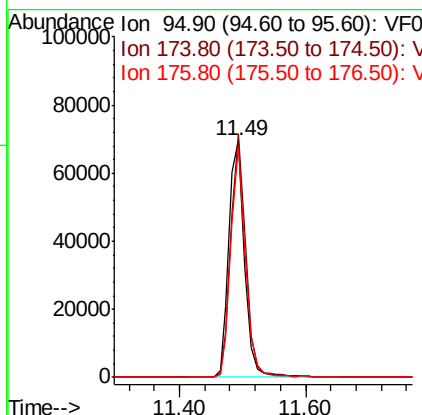
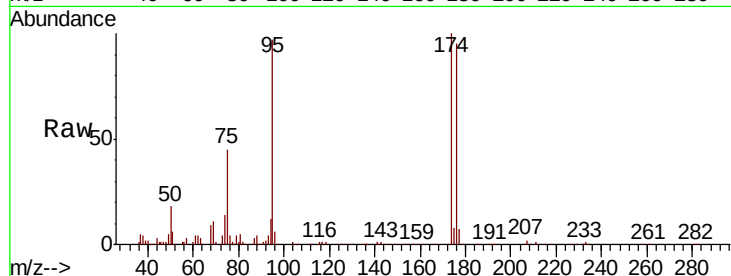




#62
 4-Bromofluorobenzene
 Concen: 31.533 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VF062359.D
 Acq: 7 May 2019 16:01

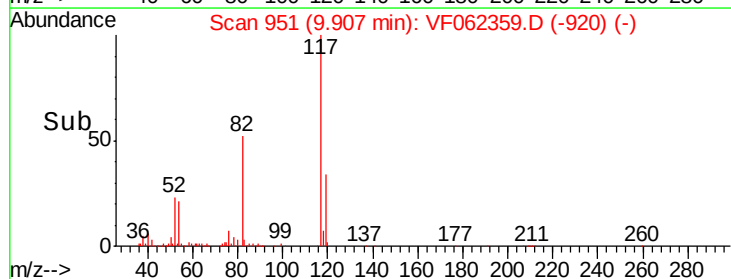
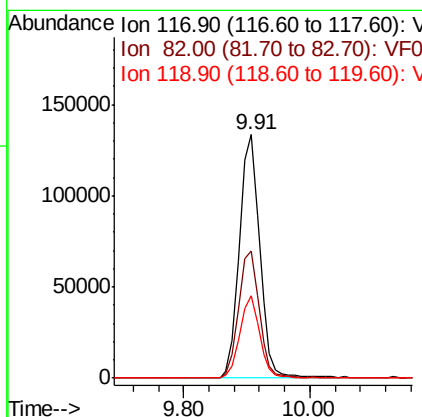
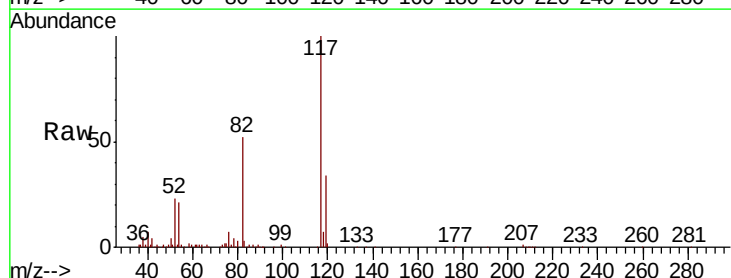
Instrument :
 MSVOA_F
 ClientSampleId :
 AU-05-050219-C

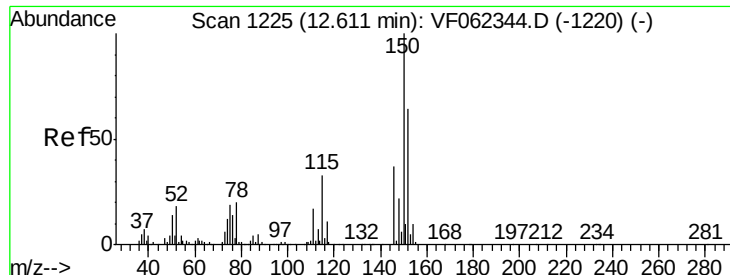
Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	191.8
176	90.7	0.0	193.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.91 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VF062359.D
 Acq: 7 May 2019 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.2	63.2
119	33.7	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

Instrument :

MSVOA_F

ClientSampleId :

AU-05-050219-C

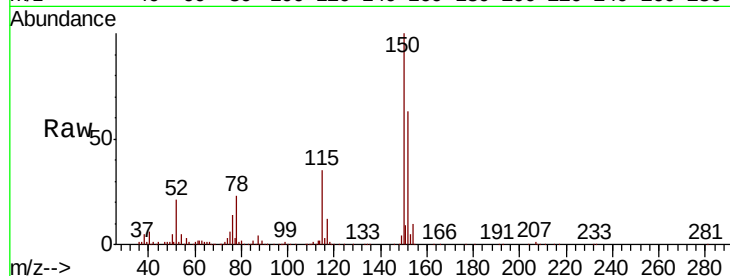
Tgt Ion: 152 Resp: 129585

Ion Ratio Lower Upper

152 100

115 54.2 26.4 79.2

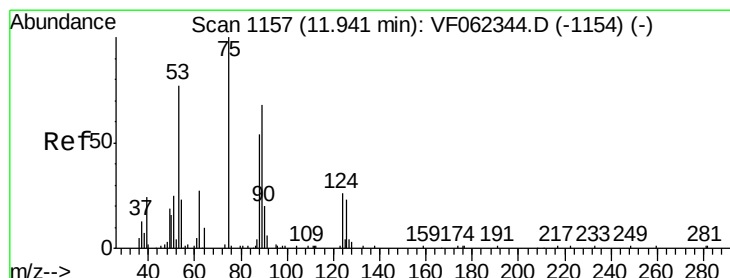
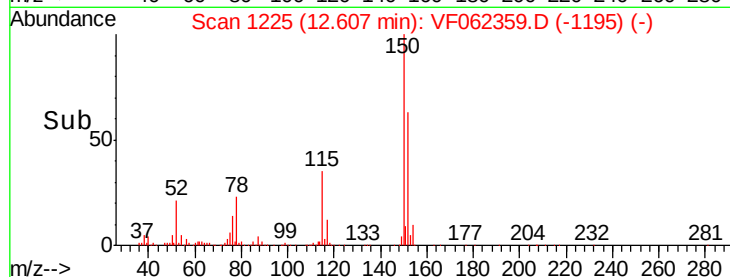
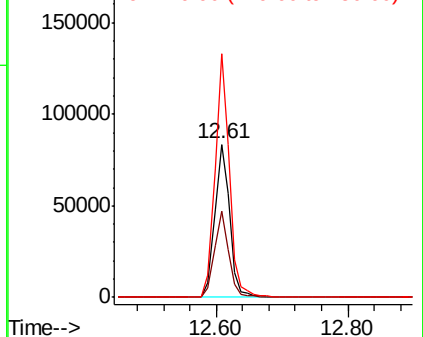
150 152.2 0.0 335.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.104 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062359.D

Acq: 7 May 2019 16:01

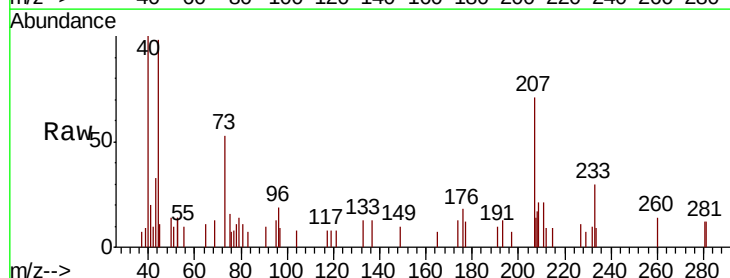
Tgt Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

53 37.0 71.9 107.9#

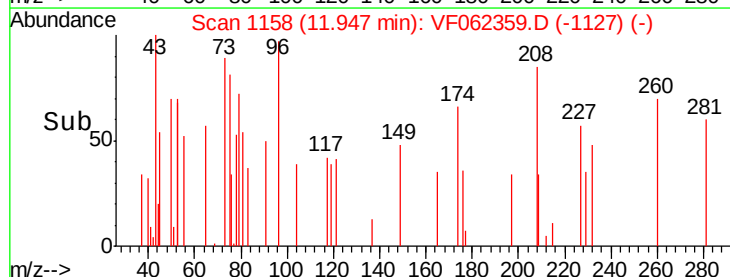
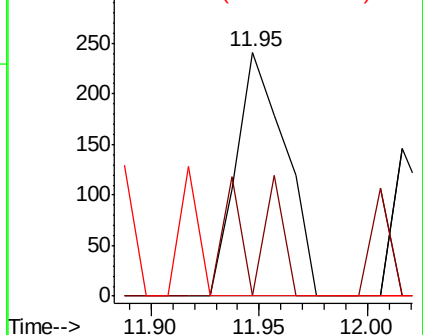
89 0.0 0.0 0.0

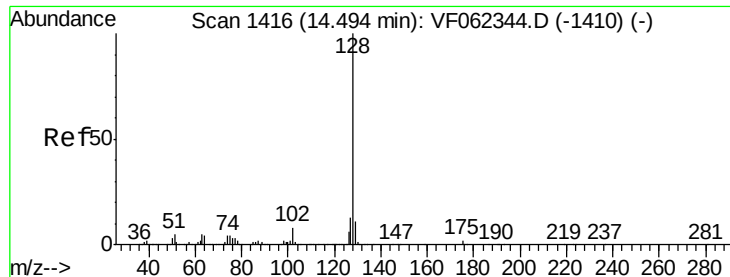


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0





#95
Naphthalene
Concen: 1.195 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062359.D
Acq: 7 May 2019 16:01

Instrument :
MSVOA_F
ClientSampleId :
AU-05-050219-C

Tgt Ion:128 Resp: 5744
Ion Ratio Lower Upper
128 100
127 17.8 10.5 15.7#
129 16.2 8.6 12.8#

