

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
 Data File : VF061250.D
 Acq On : 2 Jan 2019 13:14
 Operator : VA/AP
 Sample : J6193-11RE
 Misc : 5.9g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-122718-A

Quant Time: Jan 02 13:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

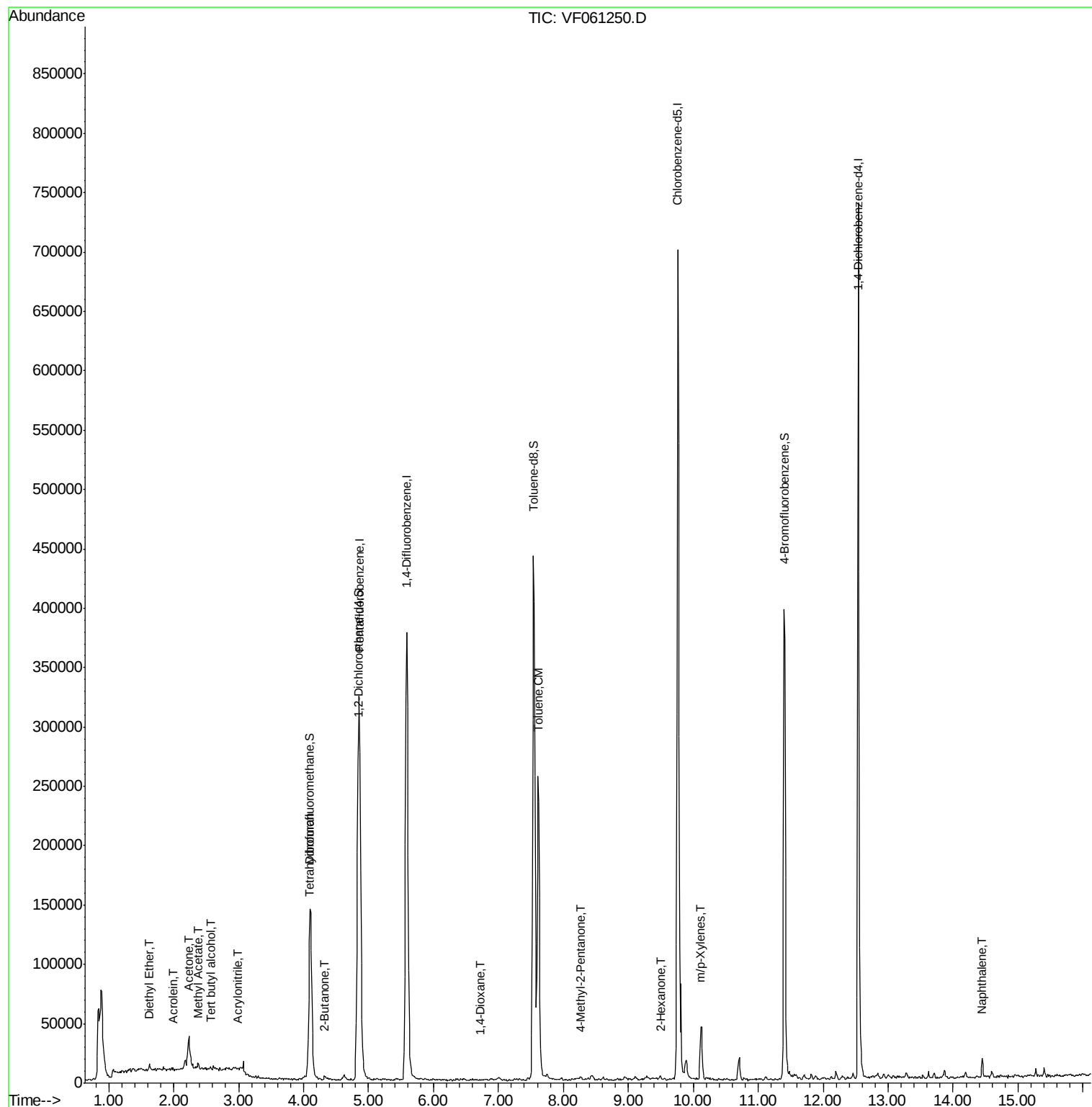
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	254939	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	422071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	408994	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	172325	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	125840	38.38	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	76.76%	
35) Dibromofluoromethane	4.10	113	142777	42.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.46%	
50) Toluene-d8	7.54	98	367466	38.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	76.70%	
62) 4-Bromofluorobenzene	11.40	95	159802	36.18	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	72.36%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	952	1.209	ug/l #	1
11) Tert butyl alcohol	2.56	59	854	6.454	ug/l #	30
13) Acrolein	2.00	56	964	10.082	ug/l #	6
15) Acrylonitrile	2.99	53	402	1.314	ug/l #	49
16) Acetone	2.23	43	31387	47.883	ug/l	96
18) Methyl Acetate	2.36	43	3773	2.782	ug/l #	66
20) Methylene Chloride	2.22	84	7090	Below Cal	#	82
25) 2-Butanone	4.33	43	7356	6.919	ug/l #	83
29) Tetrahydrofuran	4.08	42	952	2.200	ug/l #	48
49) 1,4-Dioxane	6.71	88	77	6.179	ug/l #	23
51) 4-Methyl-2-Pentanone	8.26	43	2663	1.578	ug/l #	82
52) Toluene	7.61	92	143727	19.818	ug/l	96
59) 2-Hexanone	9.48	43	2226	1.824	ug/l	90
68) m/p-Xylenes	10.13	106	16125	2.977	ug/l	99
70) Styrene	10.79	104	726	Below Cal	#	85
78) n-propylbenzene	11.59	91	2580	Below Cal		99
87) 1,3-Dichlorobenzene	12.46	146	933	Below Cal		74
95) Naphthalene	14.45	128	10258	1.386	ug/l #	95

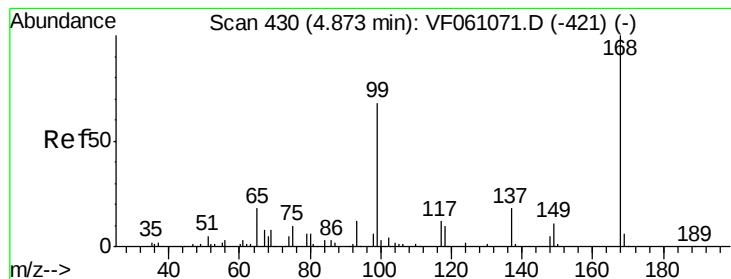
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF010219\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

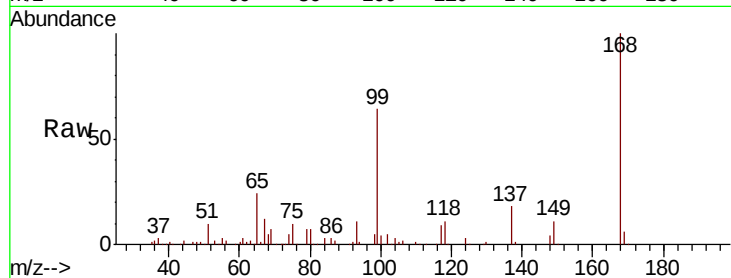
CL-02-122718-A

Tgt Ion:168 Resp: 254939

Ion Ratio Lower Upper

168 100

99 64.0 54.4 81.6

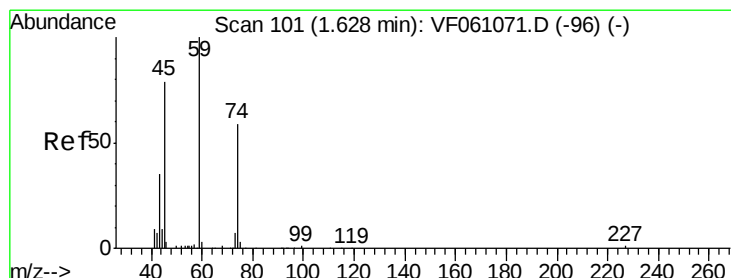
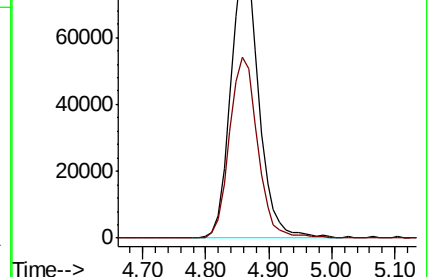
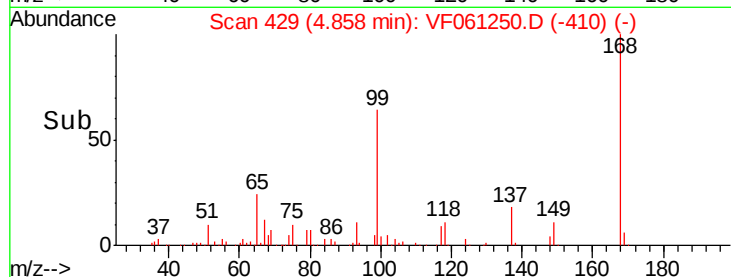


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

Time-->



#8

Diethyl Ether

Concen: 1.209 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061250.D

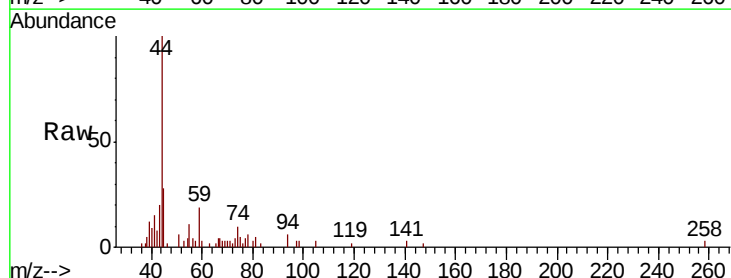
Acq: 2 Jan 2019 13:14

Tgt Ion: 74 Resp: 952

Ion Ratio Lower Upper

74 100

45 282.3 67.8 203.4#

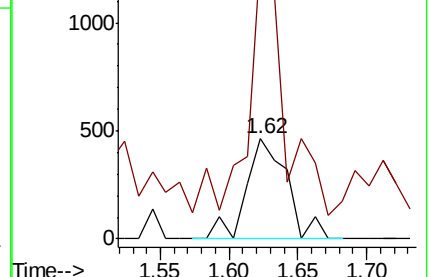
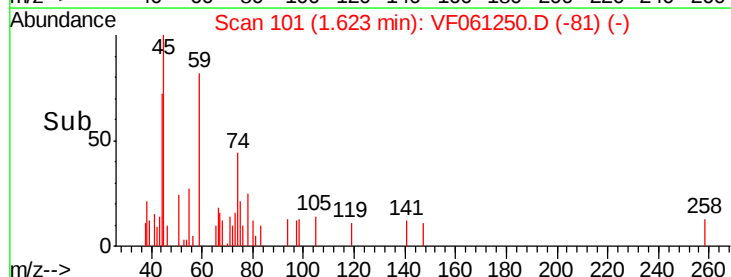


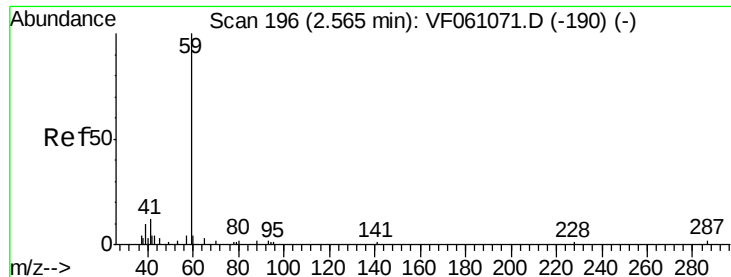
Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

Time-->

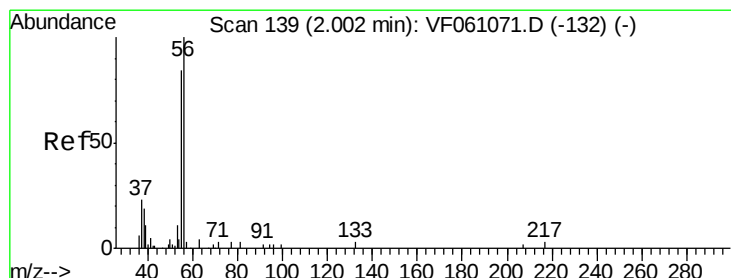
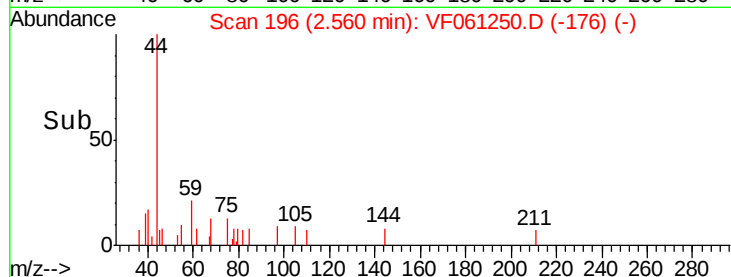
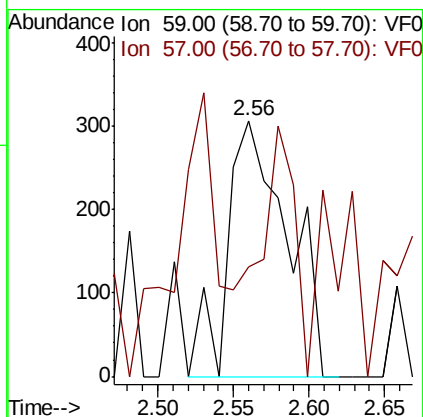
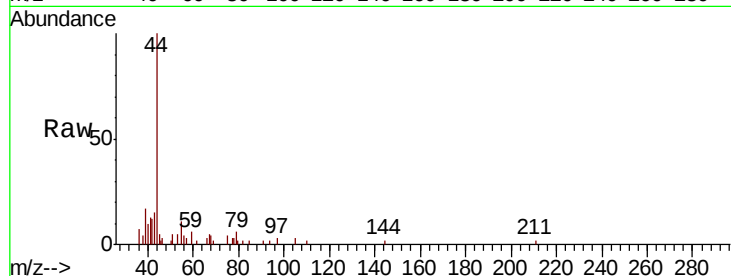




#11
Tert butyl alcohol
Concen: 6.454 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

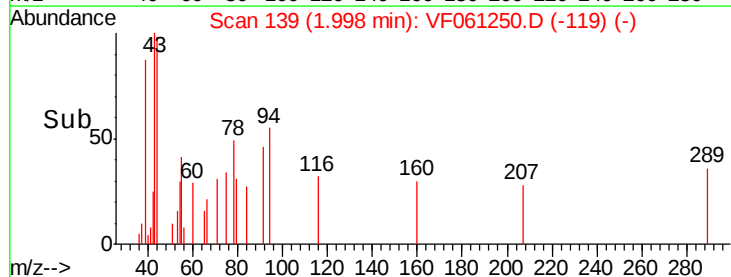
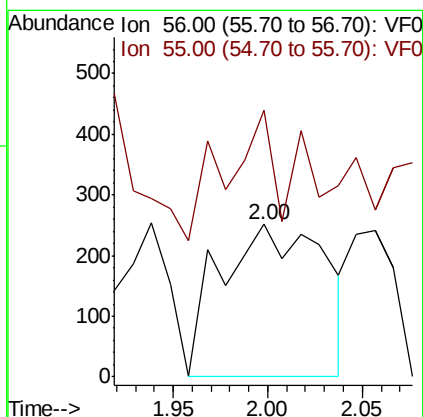
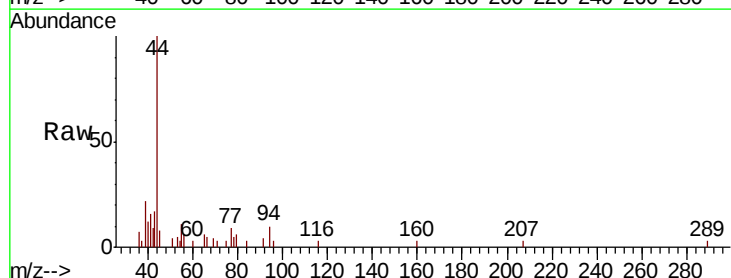
Instrument :
MSVOA_F
ClientSampleId :
CL-02-122718-A

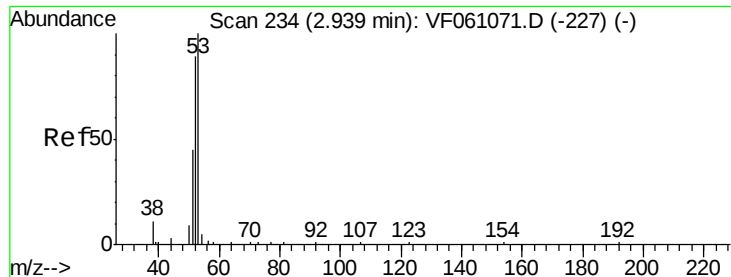
Tgt Ion: 59 Resp: 854
Ion Ratio Lower Upper
59 100
57 43.0 11.5 17.3#



#13
Acrolein
Concen: 10.082 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

Tgt Ion: 56 Resp: 964
Ion Ratio Lower Upper
56 100
55 175.3 70.2 105.2#





#15

Acrylonitrile

Concen: 1.314 ug/l

RT: 2.99 min Scan# 240

Delta R.T. 0.05 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

CL-02-122718-A

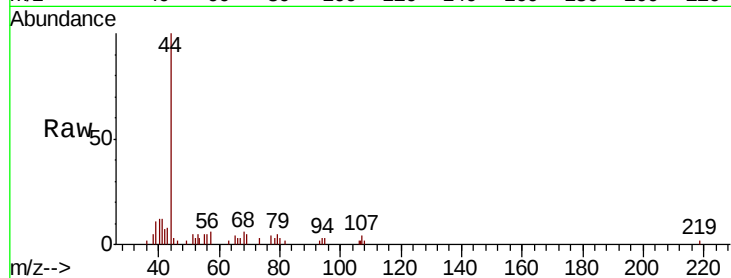
Tgt Ion: 53 Resp: 402

Ion Ratio Lower Upper

53 100

52 31.6 71.3 106.9#

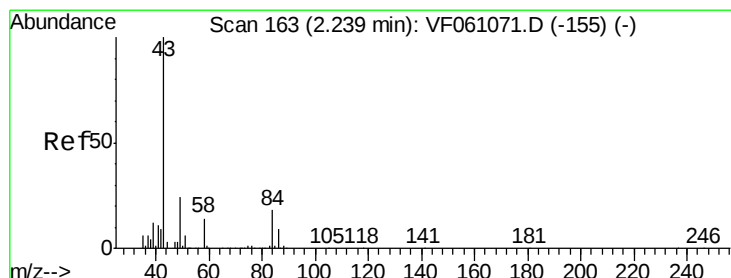
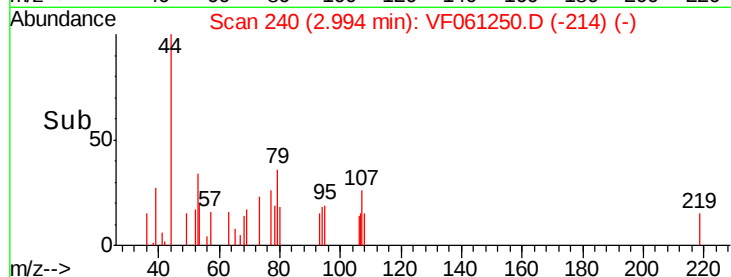
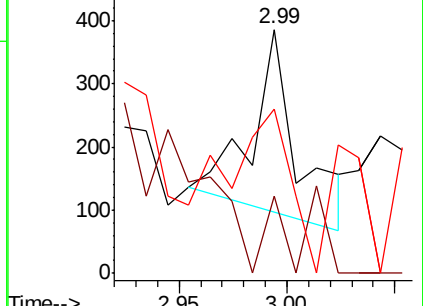
51 67.1 36.8 55.2#



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: 47.883 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061250.D

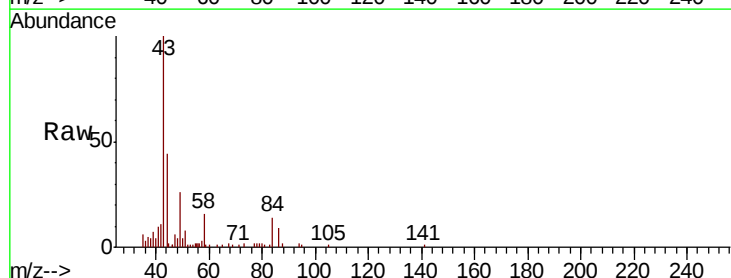
Acq: 2 Jan 2019 13:14

Tgt Ion: 43 Resp: 31387

Ion Ratio Lower Upper

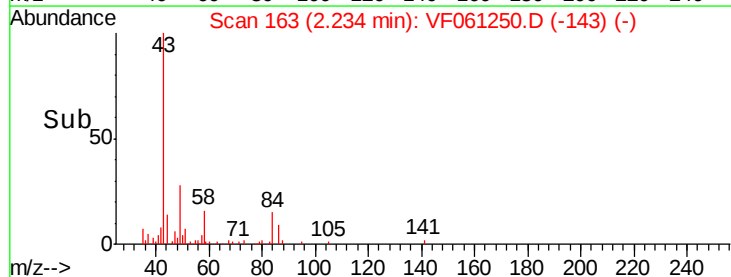
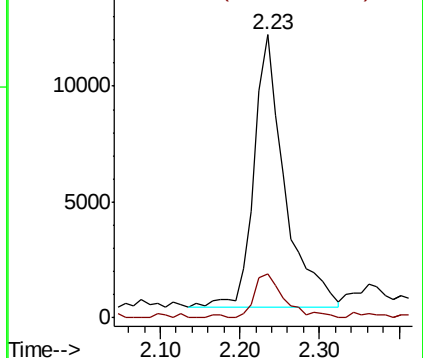
43 100

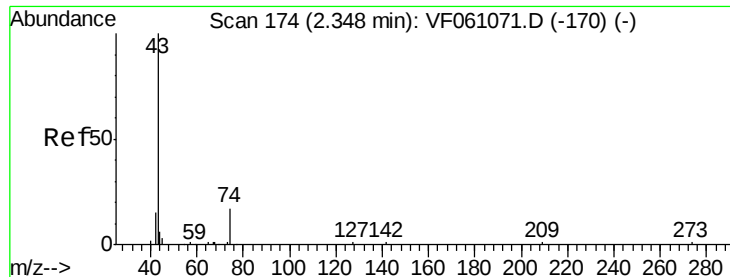
58 15.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

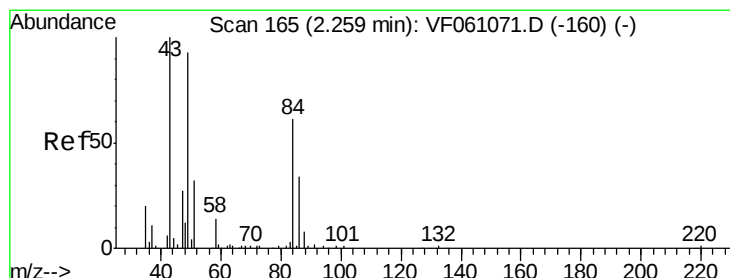
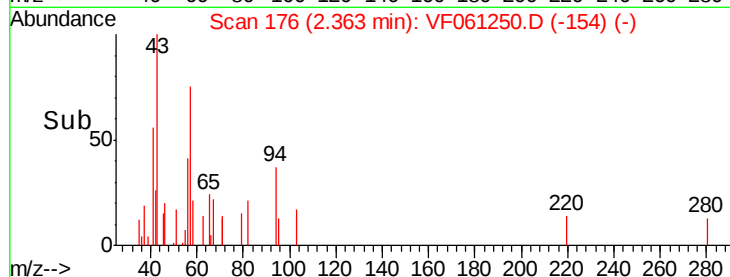
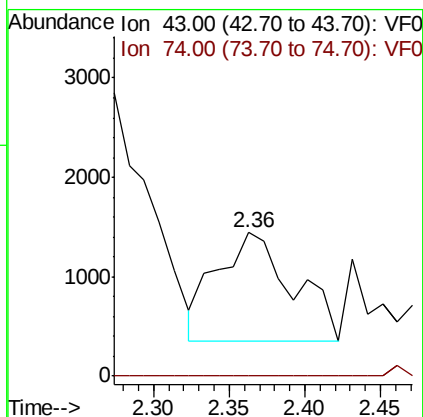
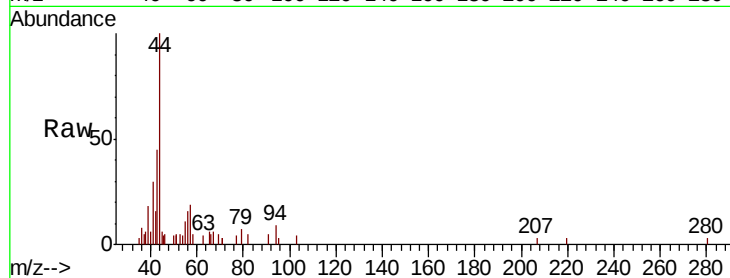




#18
Methyl Acetate
Concen: 2.782 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

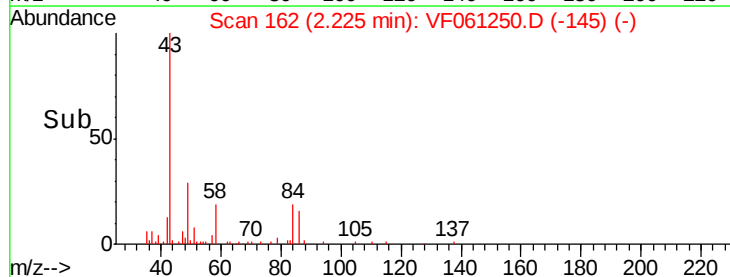
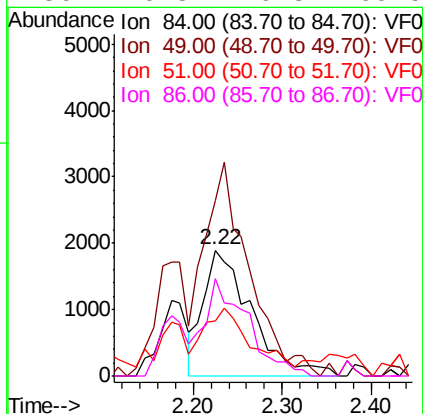
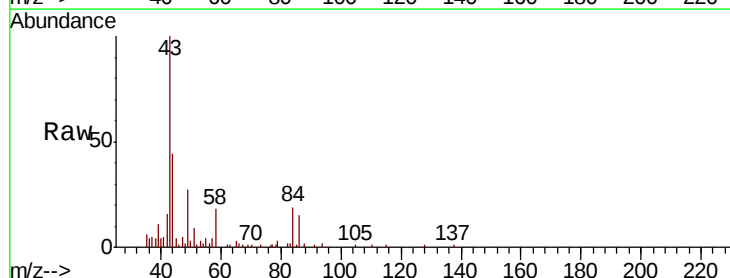
Instrument :
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ClientSampleId :
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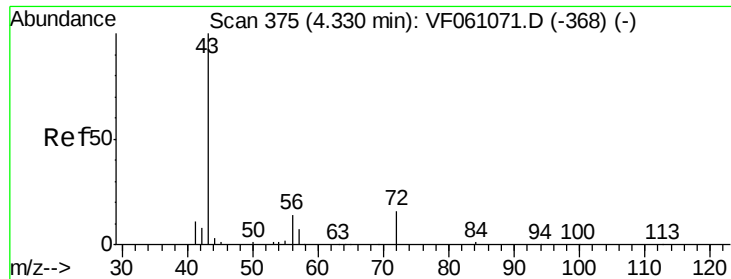
Tgt Ion: 43 Resp: 3773
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.22 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

Tgt Ion: 84 Resp: 7090
Ion Ratio Lower Upper
84 100
49 139.0 129.4 194.2
51 44.1 44.0 66.0
86 76.8 46.3 69.5#





#25

2-Butanone

Concen: 6.919 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

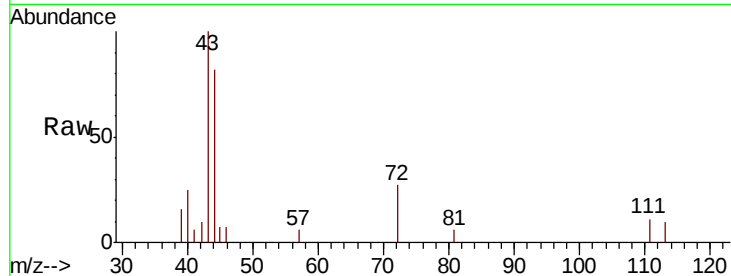
CL-02-122718-A

Tgt Ion: 43 Resp: 7356

Ion Ratio Lower Upper

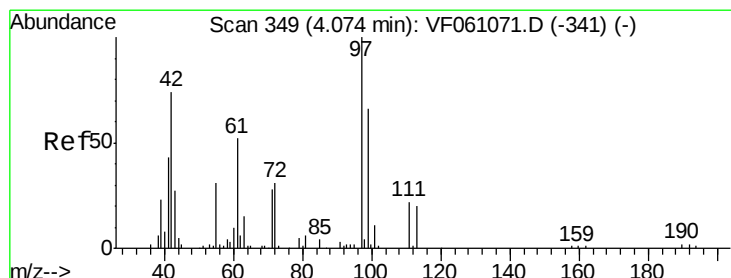
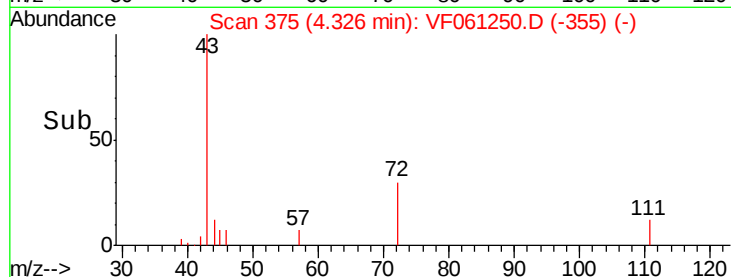
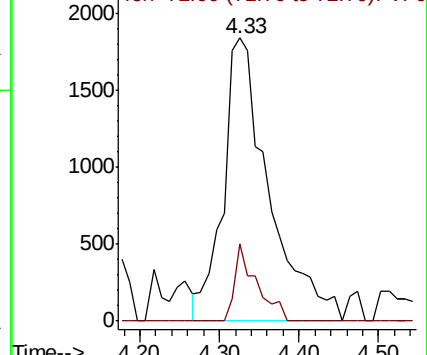
43 100

72 27.3 15.6 23.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 2.200 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

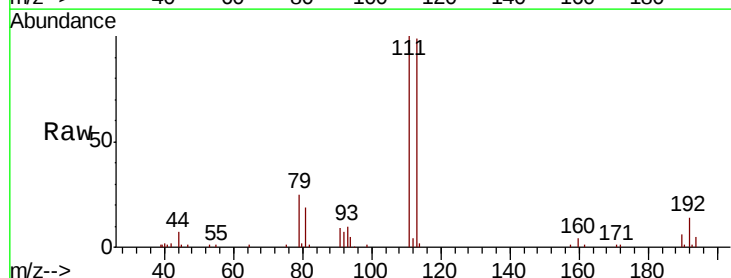
Tgt Ion: 42 Resp: 952

Ion Ratio Lower Upper

42 100

72 7.9 31.8 47.8#

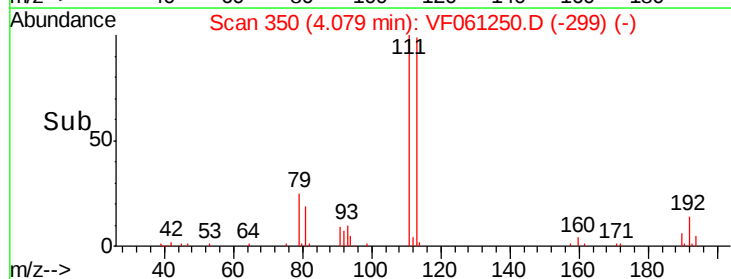
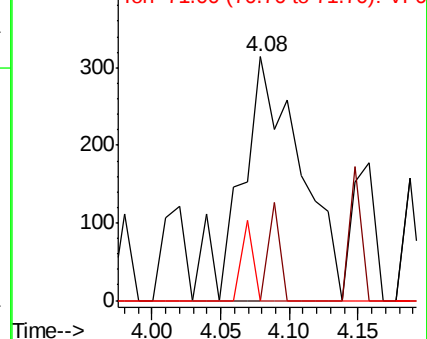
71 6.4 29.7 44.5#

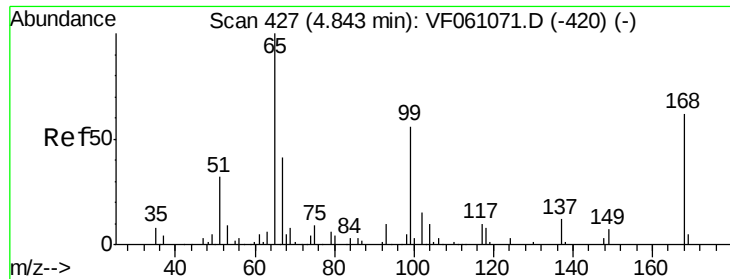


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

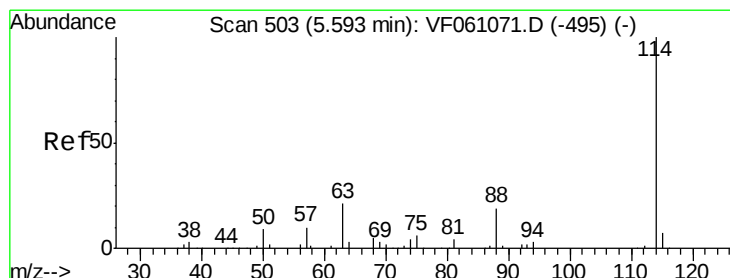
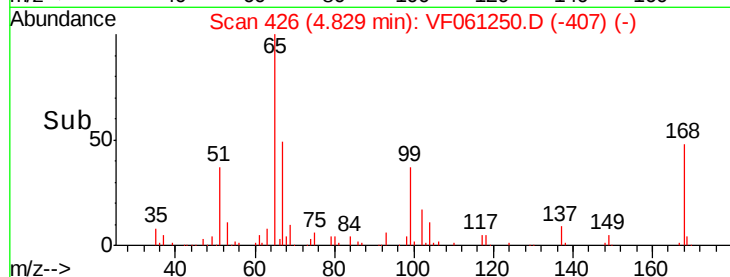
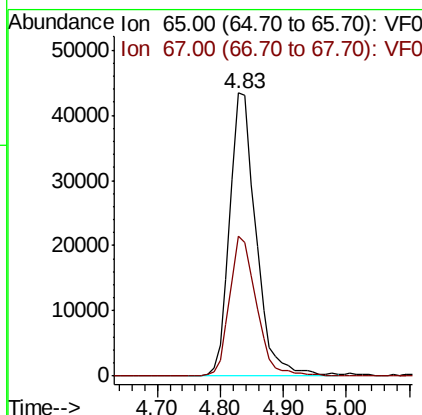
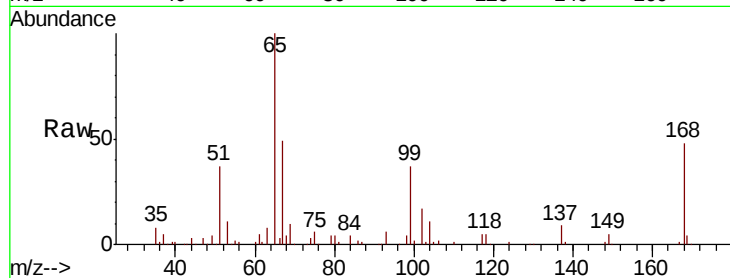




#33
 1,2-Dichloroethane-d4
 Concen: 38.378 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061250.D
 Acq: 2 Jan 2019 13:14

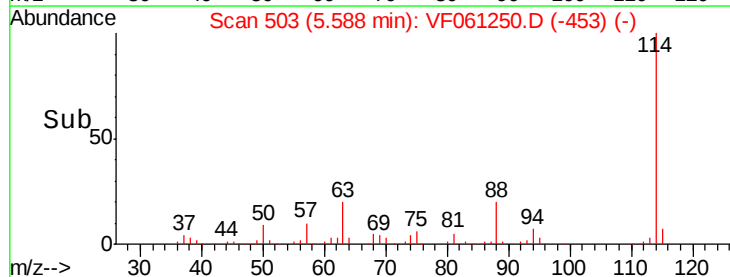
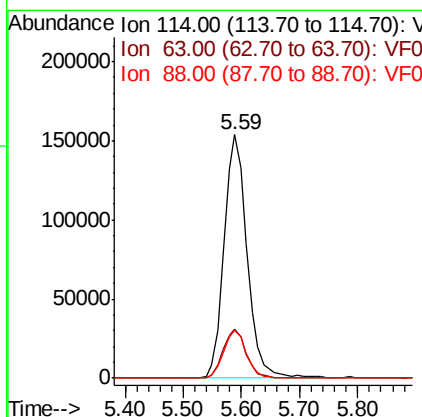
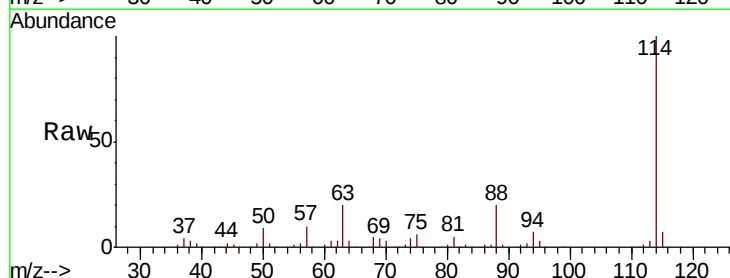
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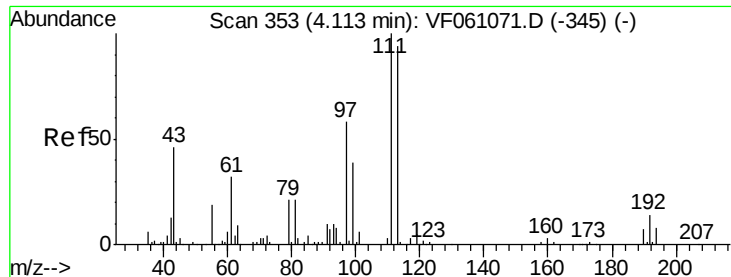
Tgt Ion: 65 Resp: 125840
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061250.D
 Acq: 2 Jan 2019 13:14

Tgt Ion: 114 Resp: 422071
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.6
 88 19.8 0.0 38.0

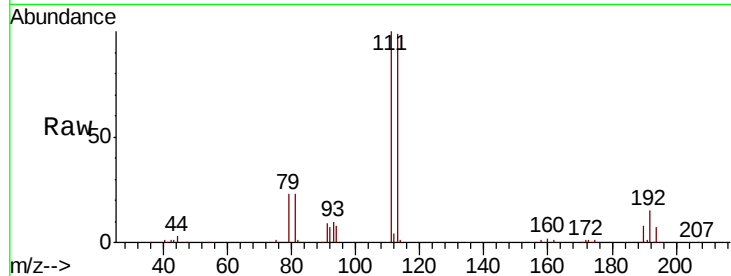




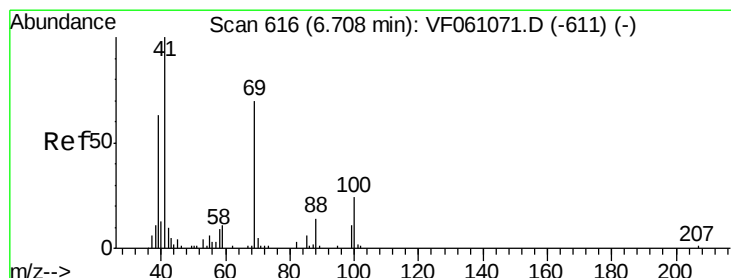
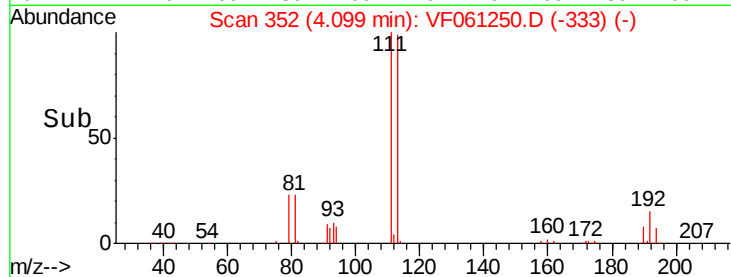
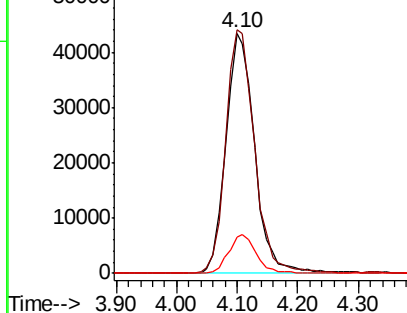
#35
 Dibromofluoromethane
 Concen: 42.229 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061250.D
 Acq: 2 Jan 2019 13:14

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-122718-A

Tgt Ion: 113 Resp: 142777
 Ion Ratio Lower Upper
 113 100
 111 101.4 85.2 127.8
 192 14.9 12.8 19.2

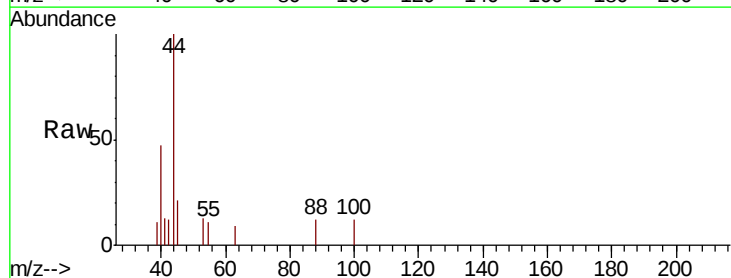


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

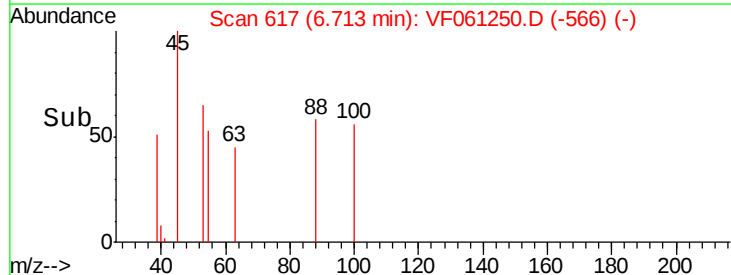
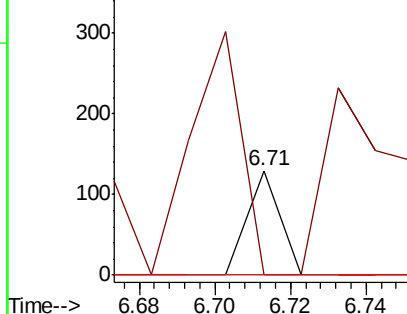


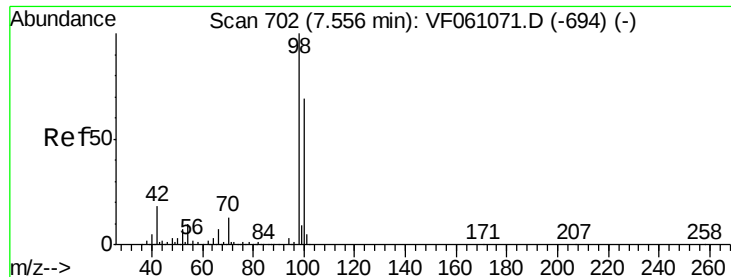
#49
 1,4-Dioxane
 Concen: 6.179 ug/l
 RT: 6.71 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: VF061250.D
 Acq: 2 Jan 2019 13:14

Tgt Ion: 88 Resp: 77
 Ion Ratio Lower Upper
 88 100
 43 0.0 33.3 49.9#
 58 0.0 53.2 79.8#



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: 38.352 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

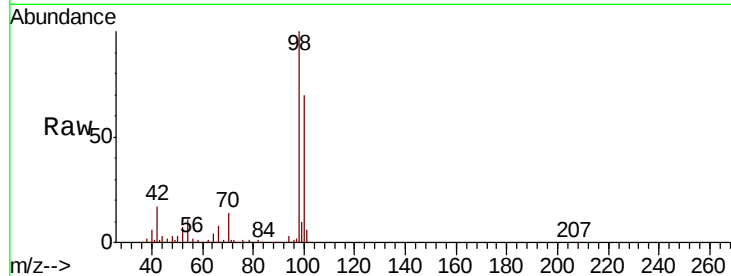
CL-02-122718-A

Tgt Ion: 98 Resp: 367466

Ion Ratio Lower Upper

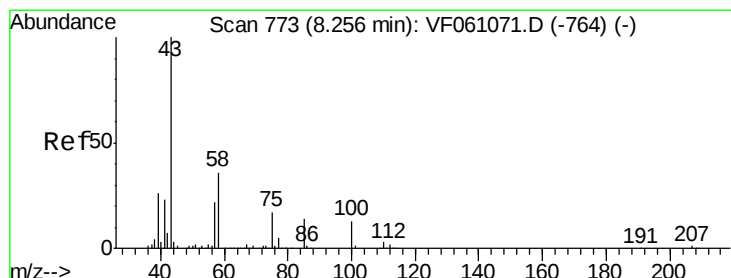
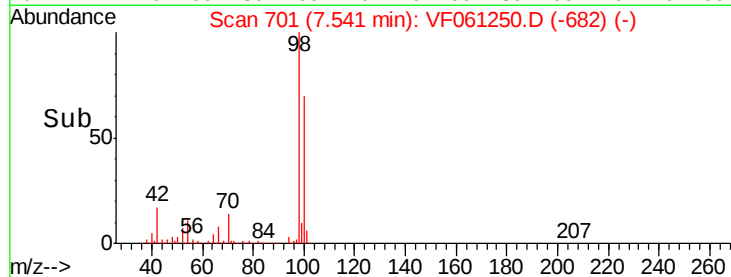
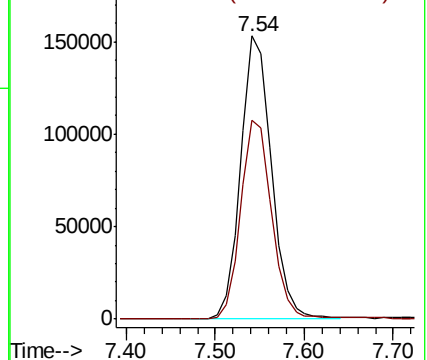
98 100

100 70.4 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 1.578 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061250.D

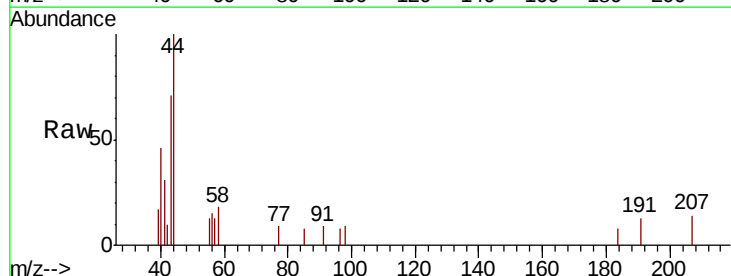
Acq: 2 Jan 2019 13:14

Tgt Ion: 43 Resp: 2663

Ion Ratio Lower Upper

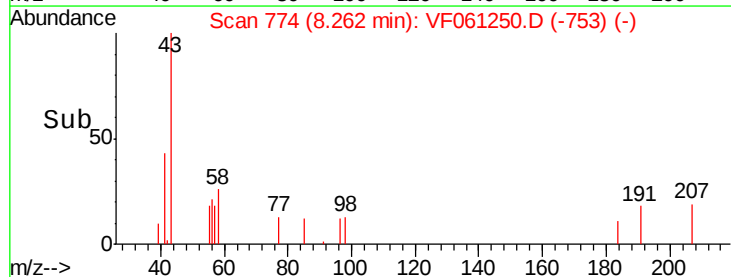
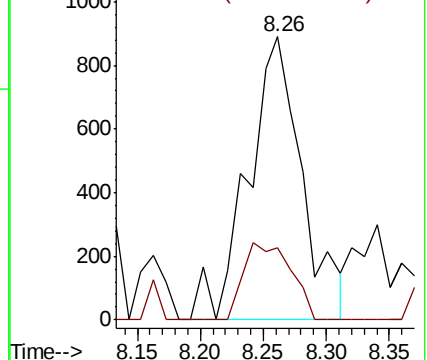
43 100

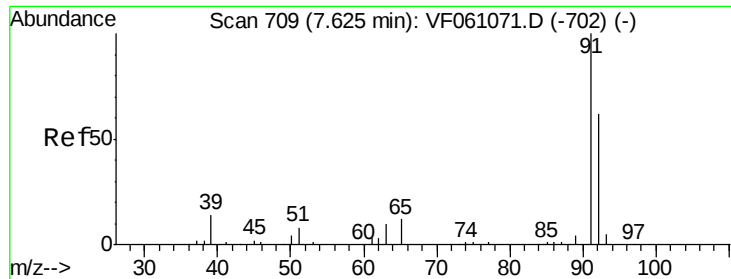
58 25.6 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#52

Toluene

Concen: 19.818 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

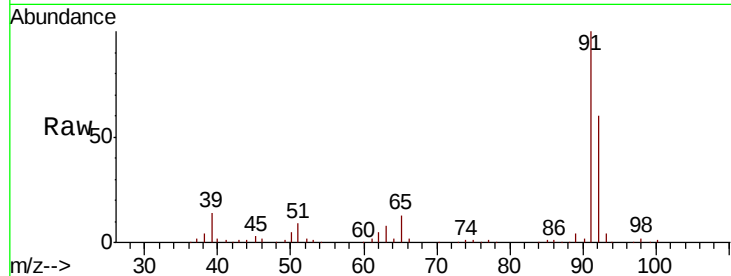
CL-02-122718-A

Tgt Ion: 92 Resp: 143727

Ion Ratio Lower Upper

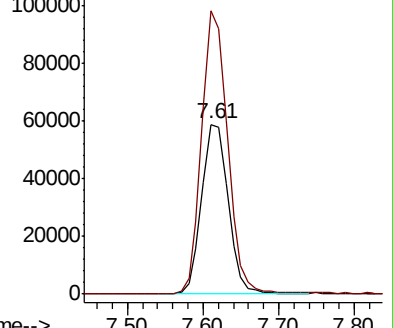
92 100

91 166.5 128.8 193.2

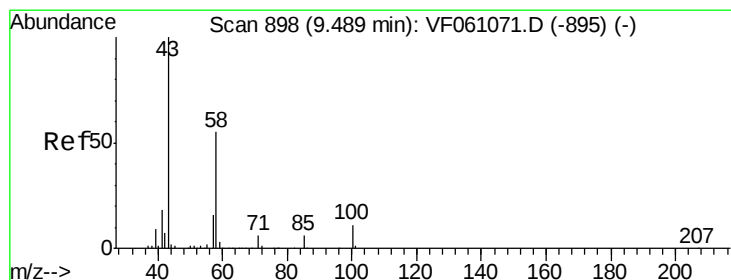
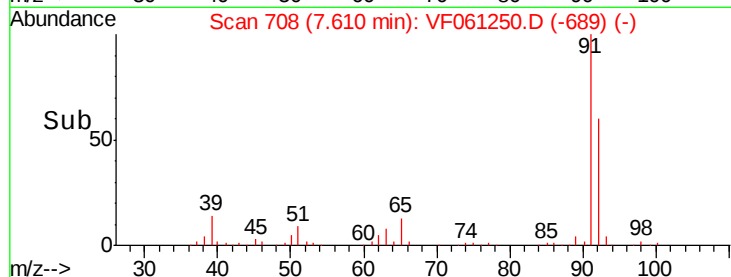


Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->



#59

2-Hexanone

Concen: 1.824 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.00 min

Lab File: VF061250.D

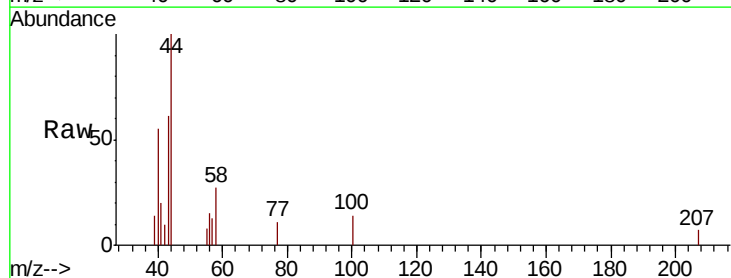
Acq: 2 Jan 2019 13:14

Tgt Ion: 43 Resp: 2226

Ion Ratio Lower Upper

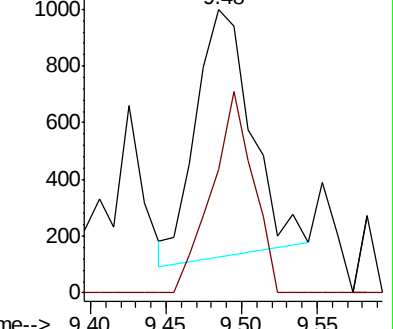
43 100

58 43.4 25.1 75.2

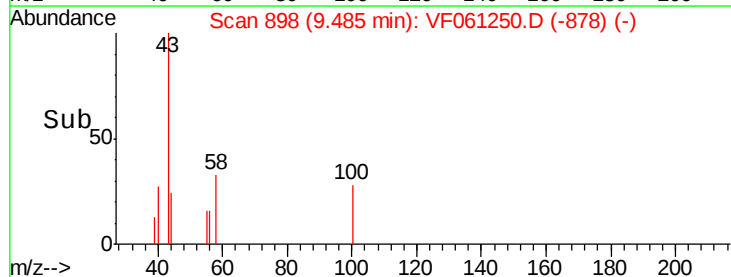


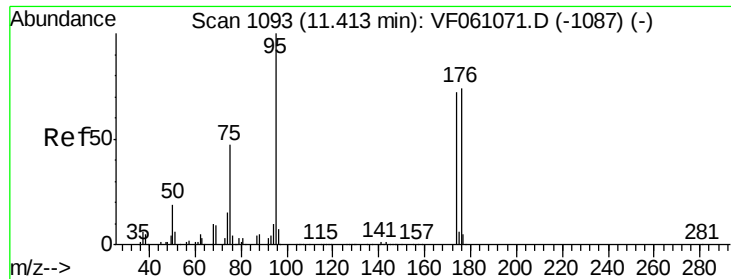
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

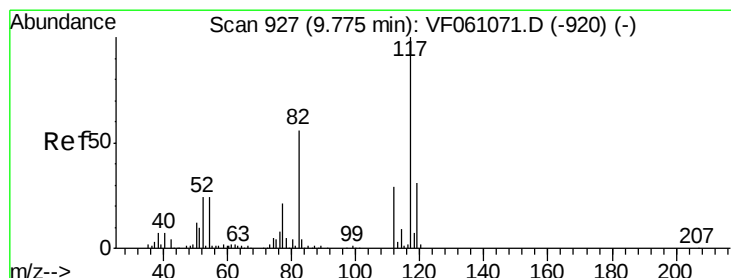
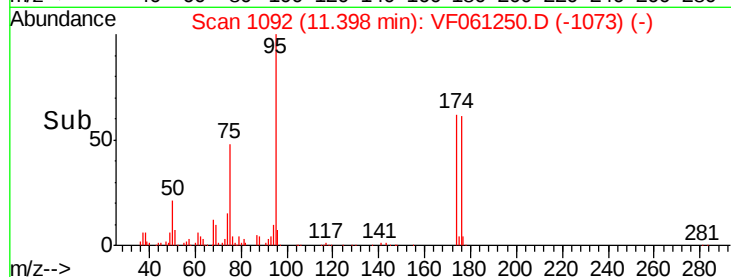
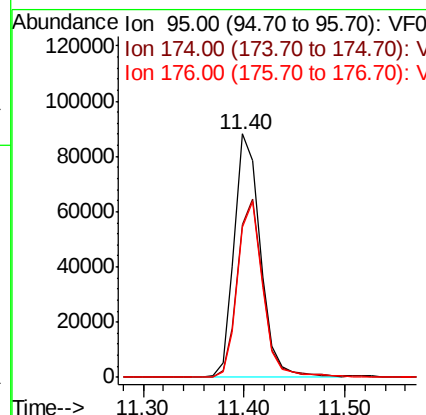
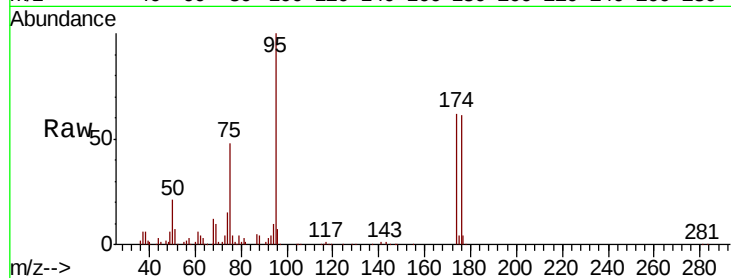




#62
4-Bromofluorobenzene
Concen: 36.177 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

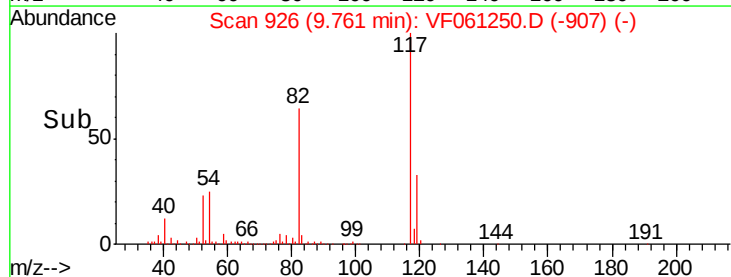
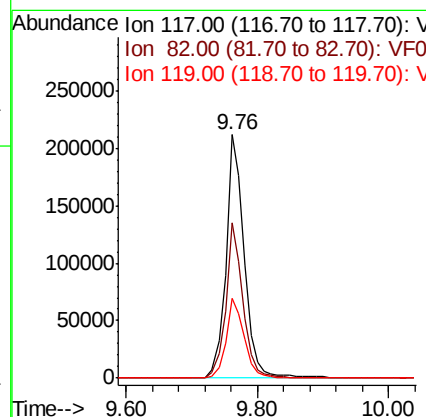
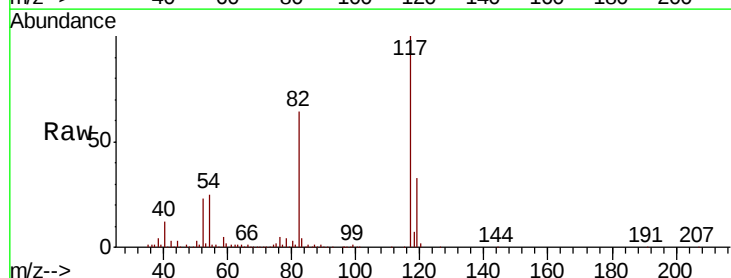
Instrument :
MSVOA_F
ClientSampleId :
CL-02-122718-A

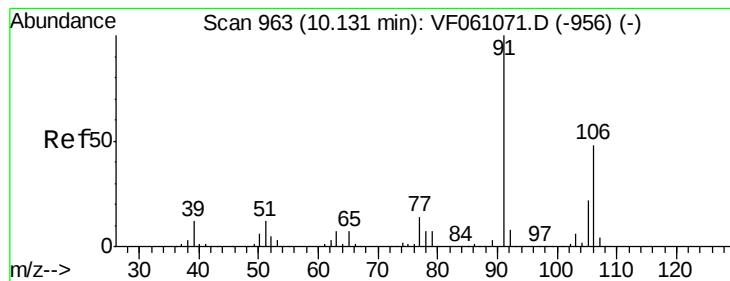
Tgt Ion: 95 Resp: 159802
Ion Ratio Lower Upper
95 100
174 62.5 0.0 143.8
176 61.4 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

Tgt Ion: 117 Resp: 408994
Ion Ratio Lower Upper
117 100
82 63.7 45.0 67.4
119 32.5 24.8 37.2





#68

m/p-Xylenes

Concen: 2.977 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

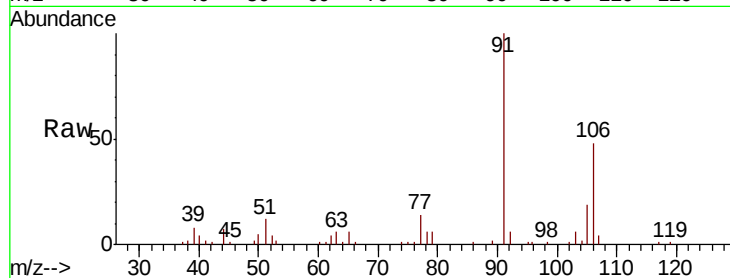
CL-02-122718-A

Tgt Ion:106 Resp: 16125

Ion Ratio Lower Upper

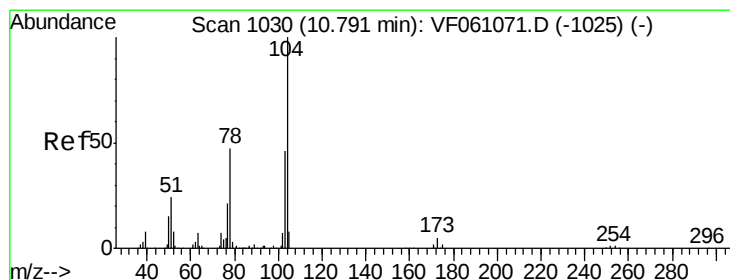
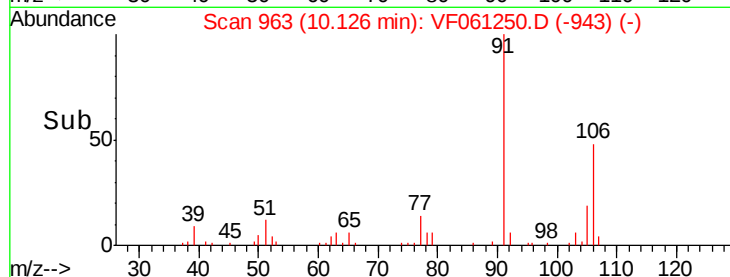
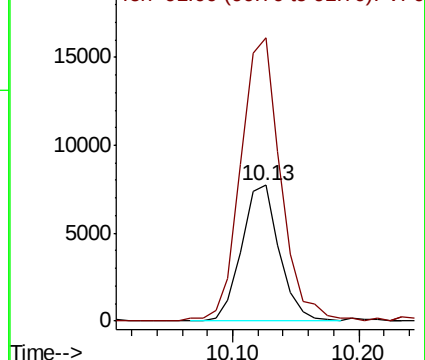
106 100

91 208.7 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: Below Cal

RT: 10.79 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

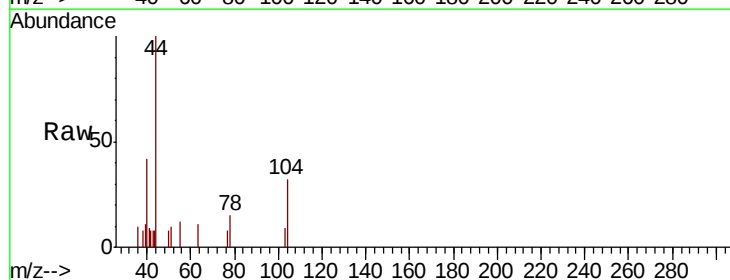
Tgt Ion:104 Resp: 726

Ion Ratio Lower Upper

104 100

78 45.7 38.4 57.6

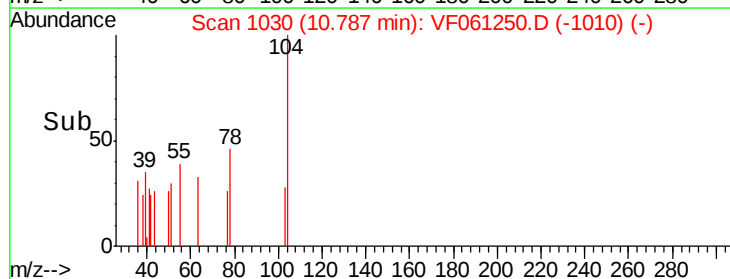
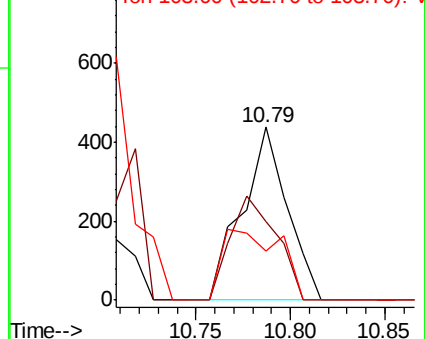
103 28.1 37.0 55.6#

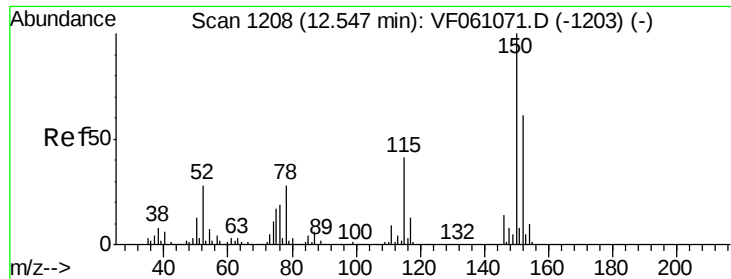


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

Instrument :

MSVOA_F

ClientSampleId :

CL-02-122718-A

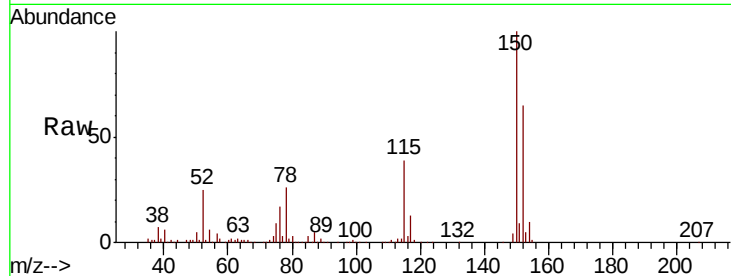
Tgt Ion:152 Resp: 172325

Ion Ratio Lower Upper

152 100

115 60.9 33.3 99.9

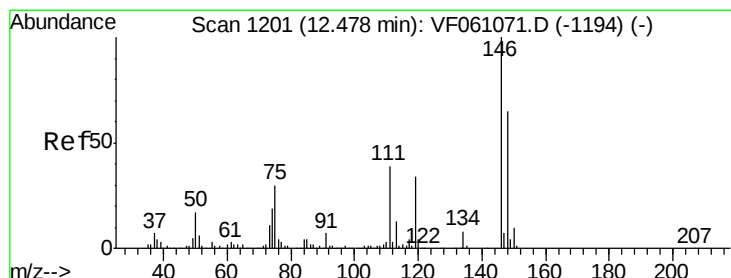
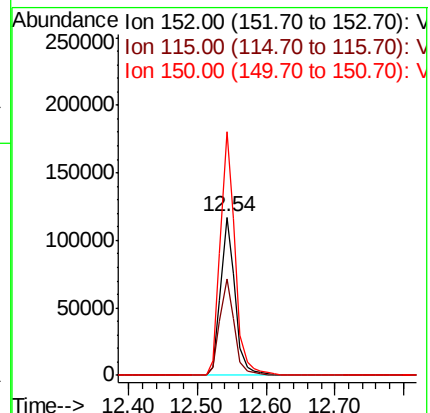
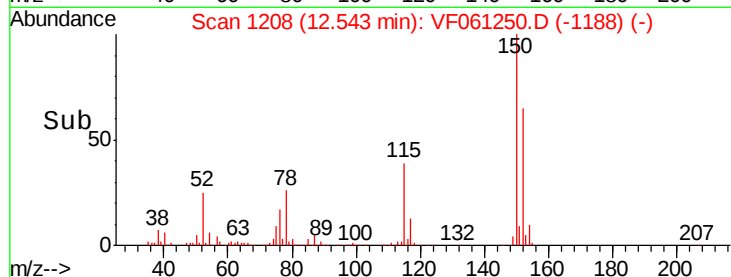
150 154.2 0.0 328.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061250.D

Acq: 2 Jan 2019 13:14

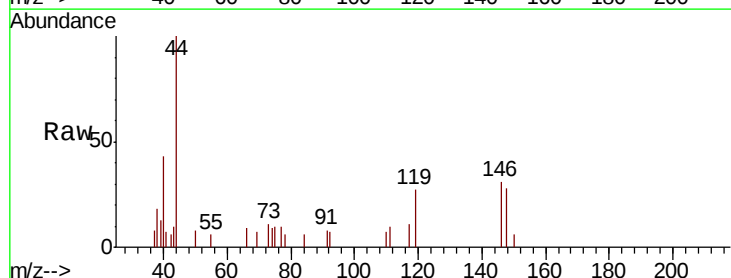
Tgt Ion:146 Resp: 933

Ion Ratio Lower Upper

146 100

111 30.4 19.3 57.9

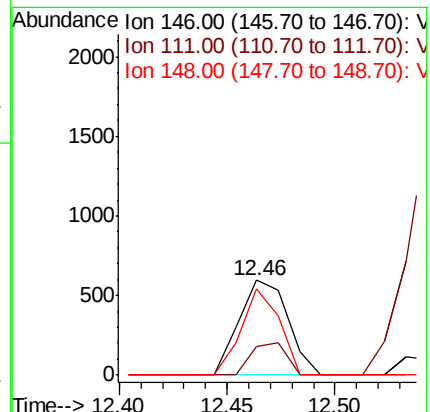
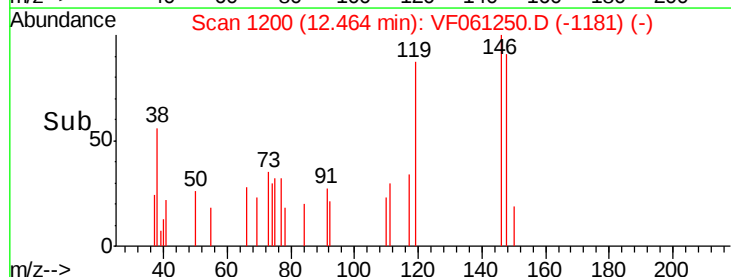
148 90.6 32.4 97.2

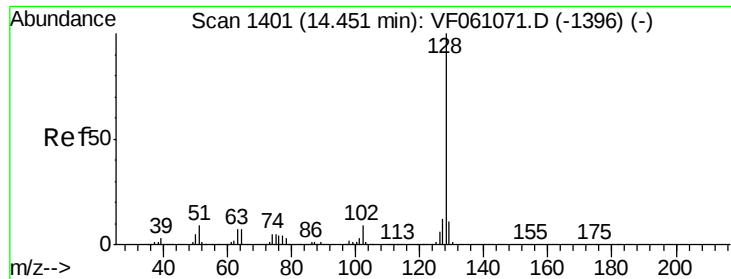


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

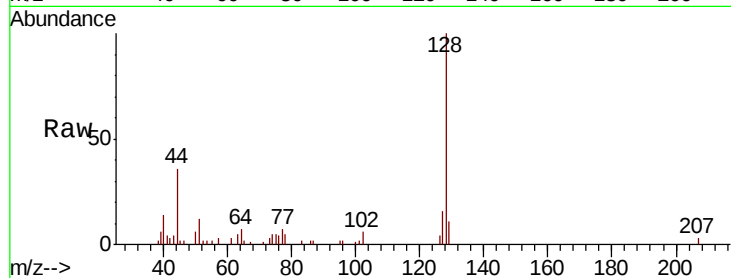




#95
Naphthalene
Concen: 1.386 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061250.D
Acq: 2 Jan 2019 13:14

Instrument :
MSVOA_F
ClientSampleId :
CL-02-122718-A

Tgt Ion:128 Resp: 10258
Ion Ratio Lower Upper
128 100
127 15.5 9.4 14.2#
129 11.2 8.8 13.2



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

