

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061447.D
 Acq On : 17 Jan 2019 16:24
 Operator : VA/AP
 Sample : K1188-01
 Misc : 4.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S1-FRONT-HOUSE-7

Quant Time: Jan 18 03:19:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

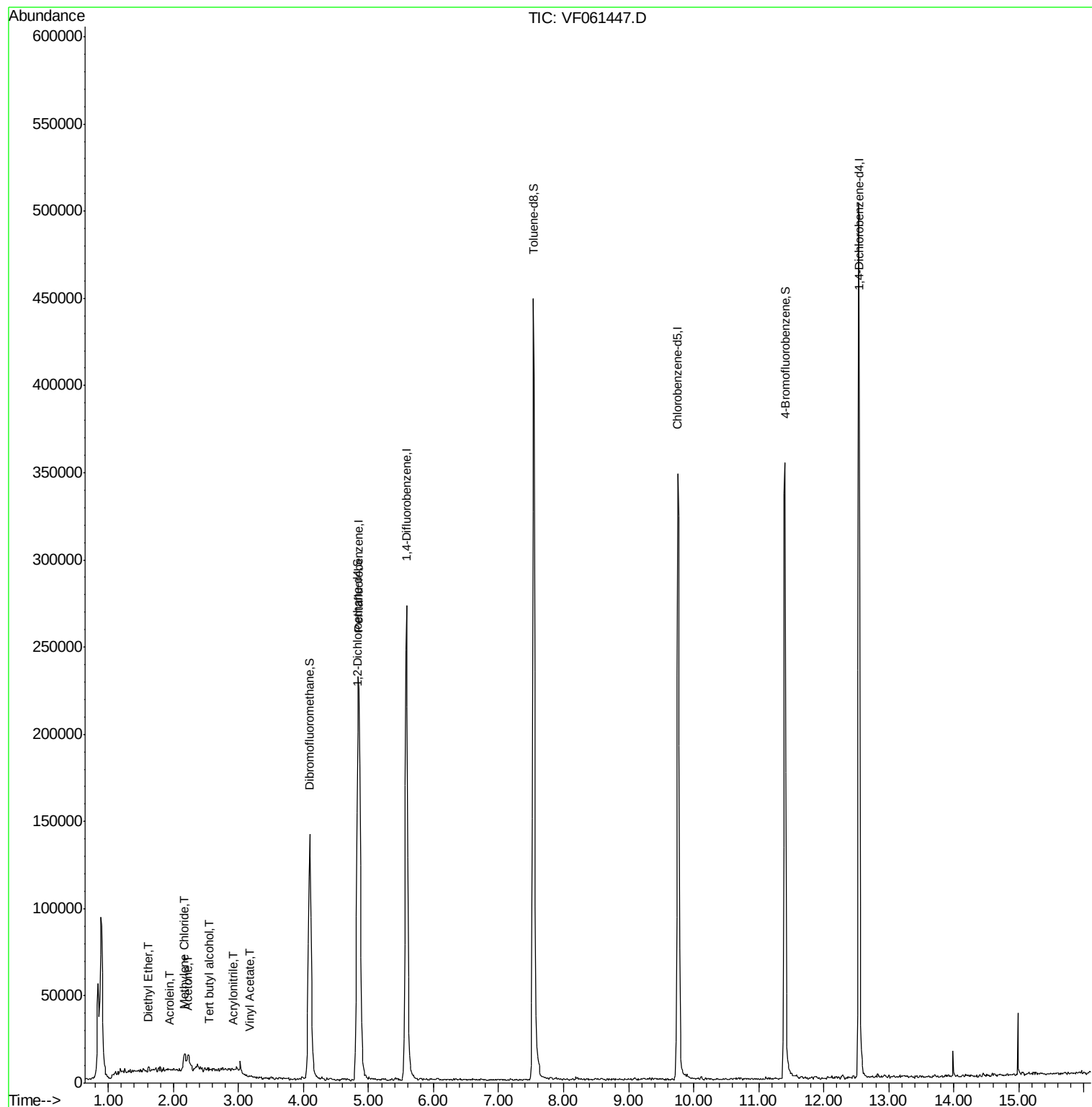
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	176567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	309470	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	260275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	116715	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	97934	44.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.84%	
35) Dibromofluoromethane	4.09	113	138279	56.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.26%	
50) Toluene-d8	7.54	98	372974	55.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.50%	
62) 4-Bromofluorobenzene	11.40	95	146895	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	792	1.405	ug/l	88
11) Tert butyl alcohol	2.55	59	176	1.907	ug/l #	64
13) Acrolein	1.95	56	205	12.810	ug/l	97
14) Allyl chloride	2.10	41	299	Below Cal	#	52
15) Acrylonitrile	2.92	53	324	1.371	ug/l #	63
16) Acetone	2.22	43	5391	12.327	ug/l	96
20) Methylene Chloride	2.17	84	4788	1.521	ug/l #	85
23) Vinyl Acetate	3.18	43	773	3.504	ug/l #	78

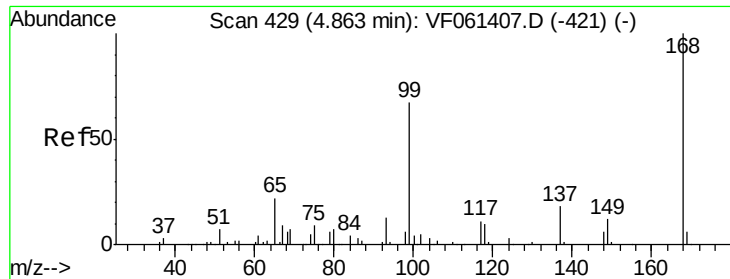
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011719\
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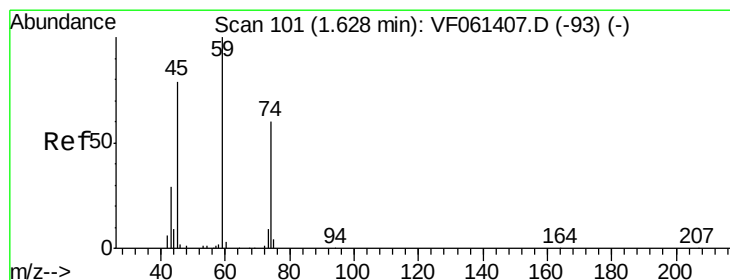
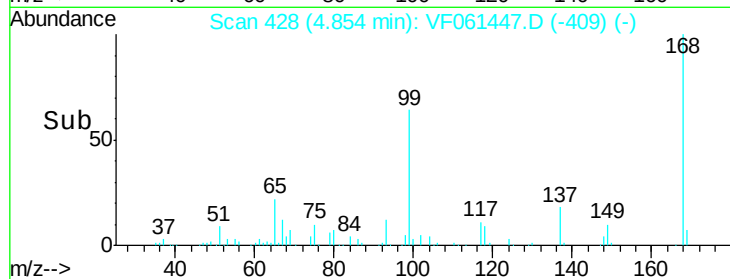
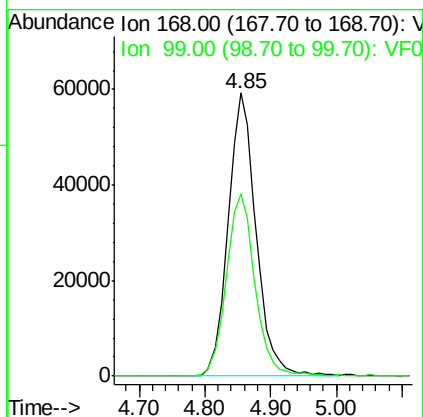
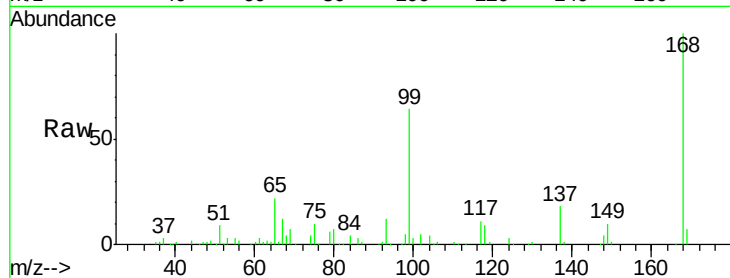




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.01 min
Lab File: VF061447.D
Acq: 17 Jan 2019 16:24

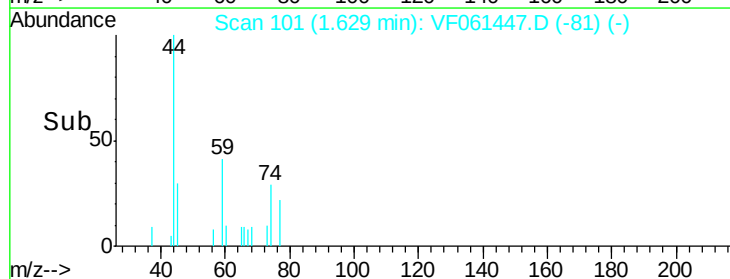
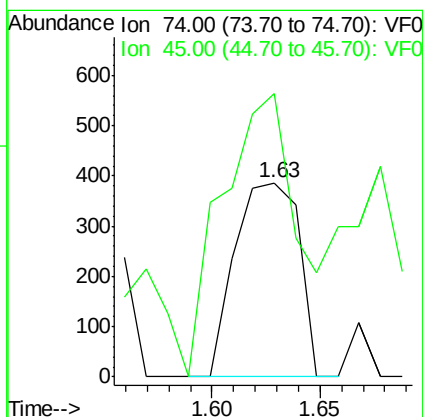
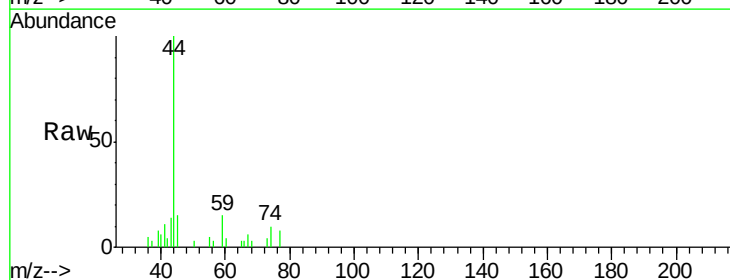
Instrument :
MSVOA_F
ClientSampleId :
S1-FRONT-HOUSE-7

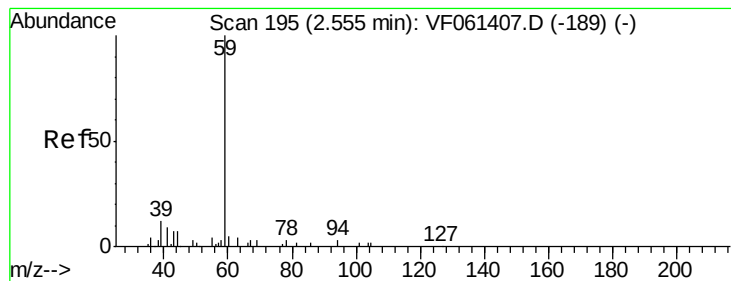
Tot Ion:168 Resp: 176567
Ion Ratio Lower Upper
168 100
99 64.4 53.5 80.3



#8
Diethyl Ether
Concen: 1.405 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061447.D
Acq: 17 Jan 2019 16:24

Tgt Ion: 74 Resp: 792
Ion Ratio Lower Upper
74 100
45 145.9 65.8 197.5



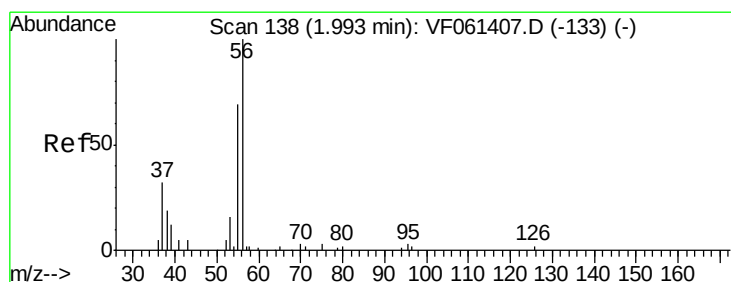
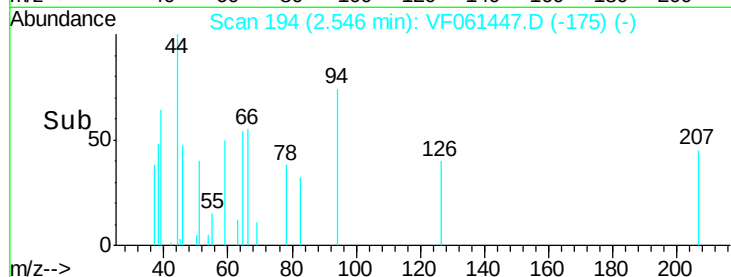
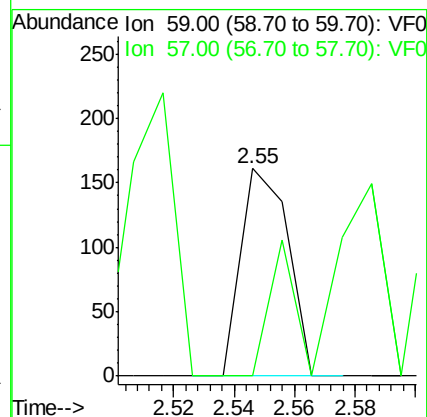
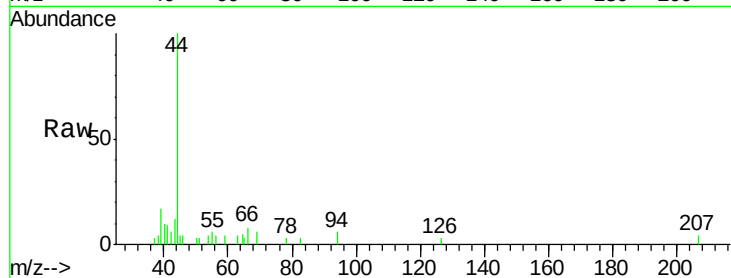


#11

Tert butyl alcohol
 Concen: 1.907 ug/l
 RT: 2.55 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VF061447.D
 Acq: 17 Jan 2019 16:24

Instrument :
 MSVOA_F
 ClientSampleId :
 S1-FRONT-HOUSE-7

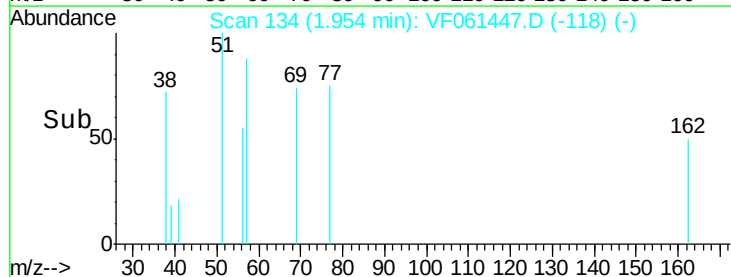
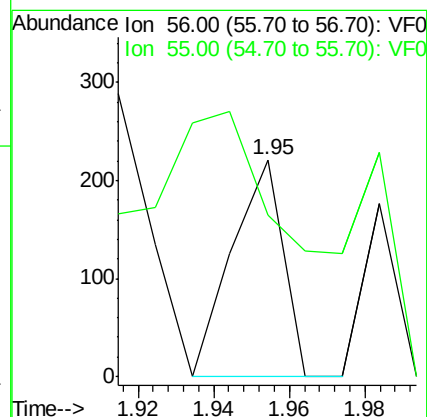
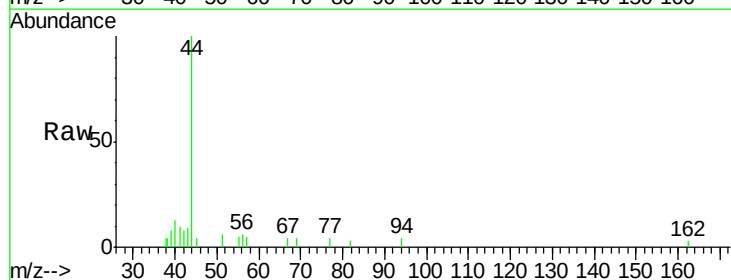
Tot Ion: 59 Resp: 176
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.9 17.9#

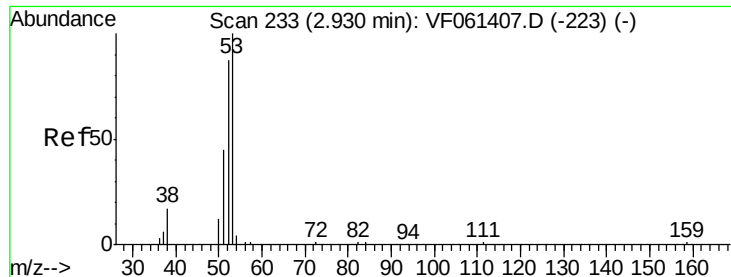


#13

Acrolein
 Concen: 12.810 ug/l
 RT: 1.95 min Scan# 134
 Delta R.T. -0.04 min
 Lab File: VF061447.D
 Acq: 17 Jan 2019 16:24

Tgt Ion: 56 Resp: 205
 Ion Ratio Lower Upper
 56 100
 55 74.7 57.5 86.3





#15

Acrylonitrile

Concen: 1.371 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF061447.D

Acq: 17 Jan 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

S1-FRONT-HOUSE-7

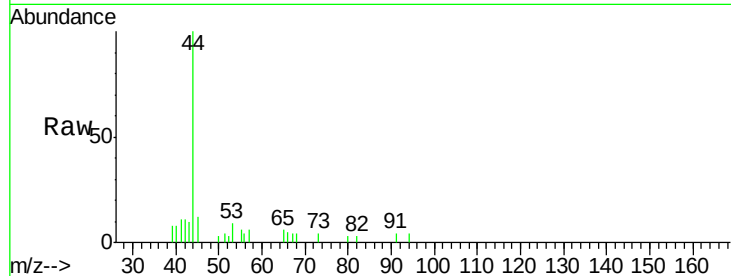
Tot Ion: 53 Resp: 324

Ion Ratio Lower Upper

53 100

52 37.7 69.6 104.4#

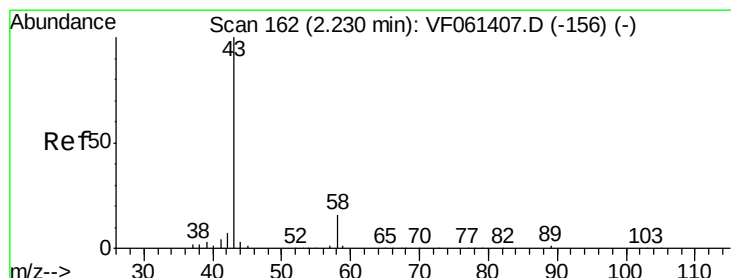
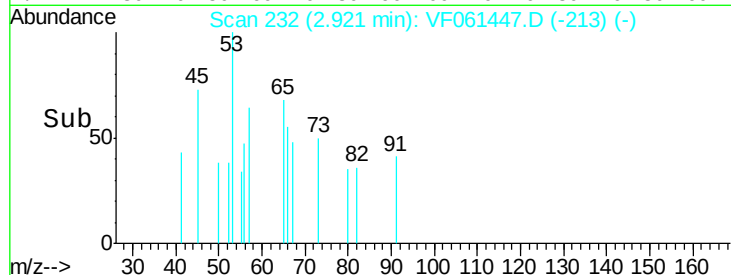
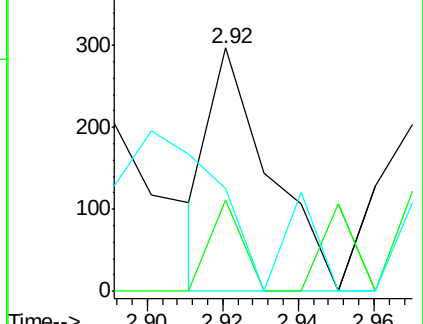
51 42.4 36.8 55.2



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: 12.327 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061447.D

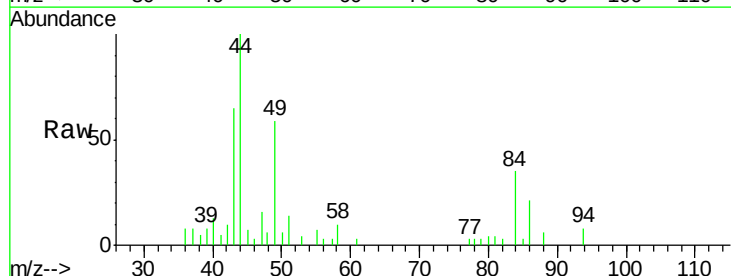
Acq: 17 Jan 2019 16:24

Tgt Ion: 43 Resp: 5391

Ion Ratio Lower Upper

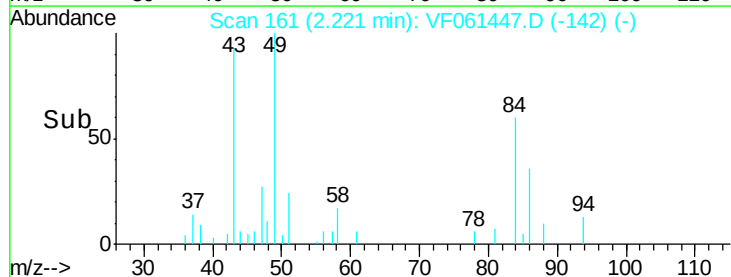
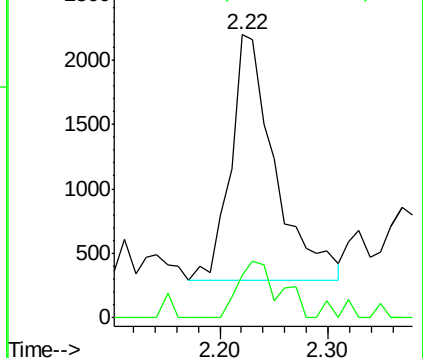
43 100

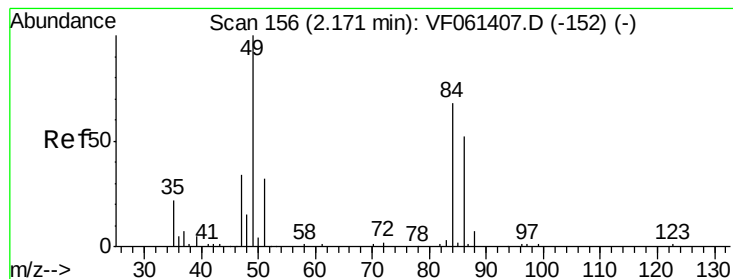
58 15.1 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methvlene Chloride

Concen: 1.521 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.00 min

Lab File: VF061447.D

Acq: 17 Jan 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

S1-FRONT-HOUSE-7

Tot Ion: 84 Resp: 4788

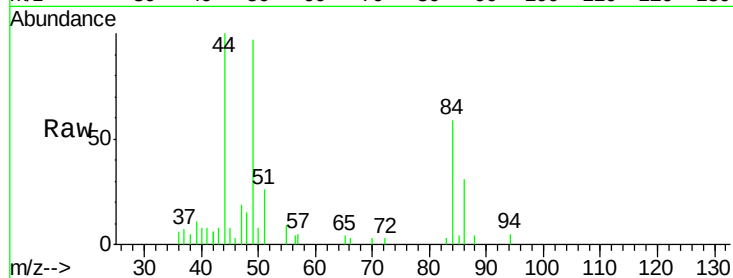
Ion Ratio Lower Upper

84 100

49 164.5 120.0 180.0

51 44.8 38.6 58.0

86 52.5 61.0 91.6#

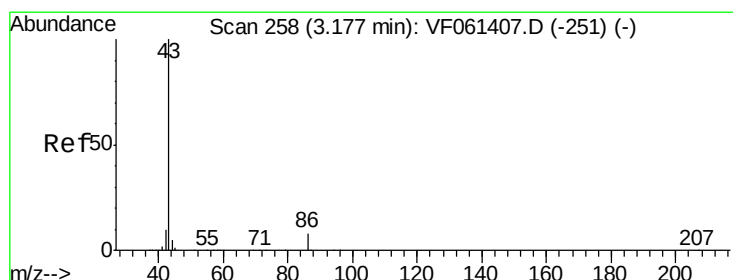
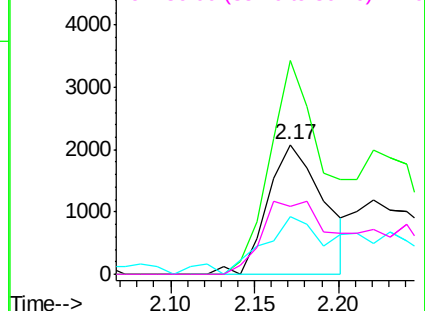
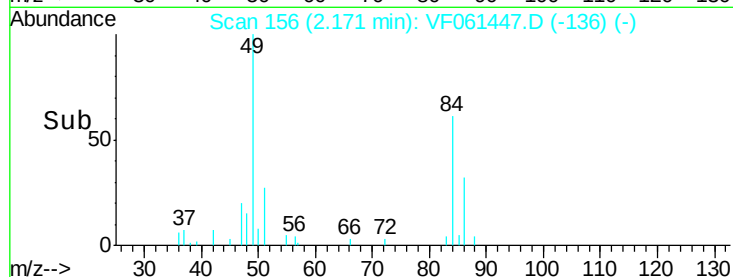


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#23

Vinyl Acetate

Concen: 3.504 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061447.D

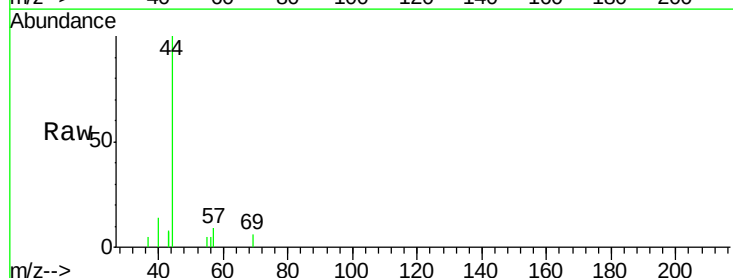
Acq: 17 Jan 2019 16:24

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

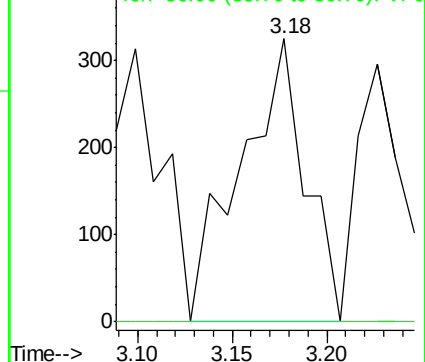
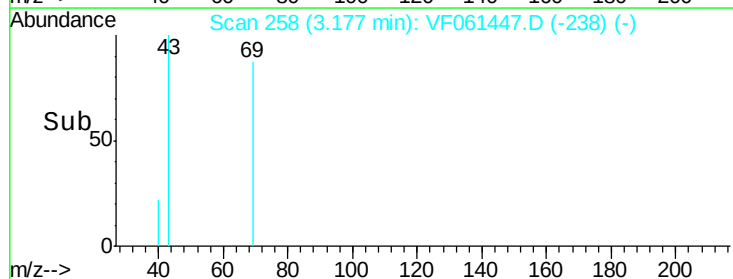
43 100

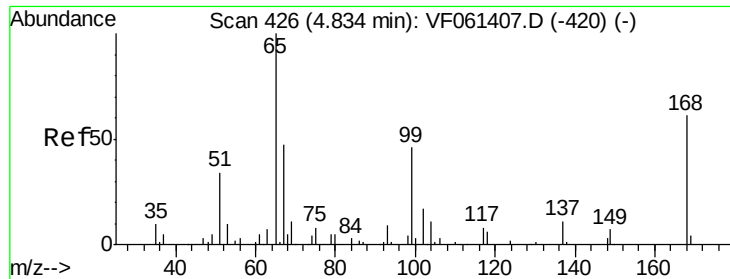
86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

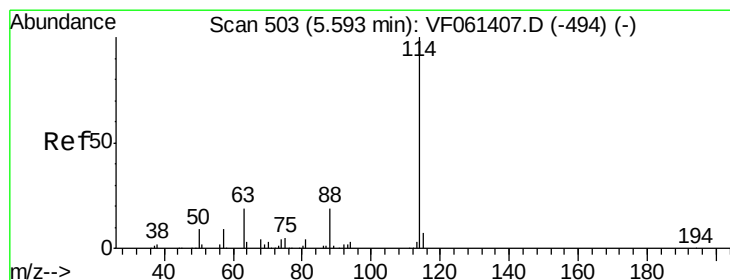
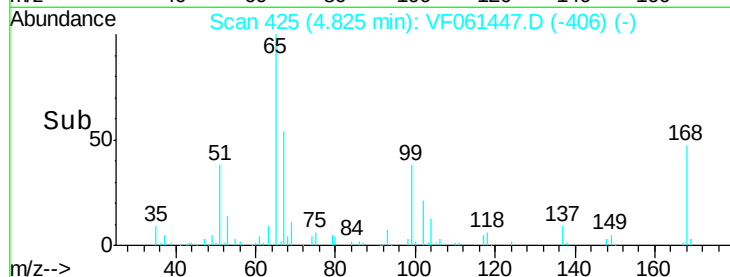
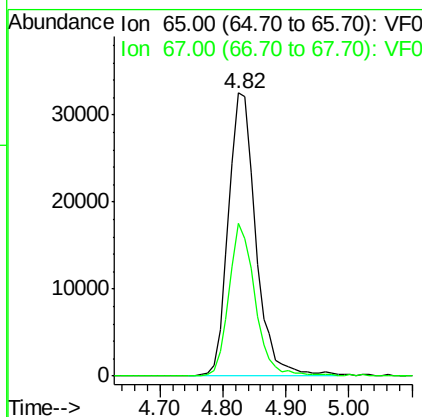
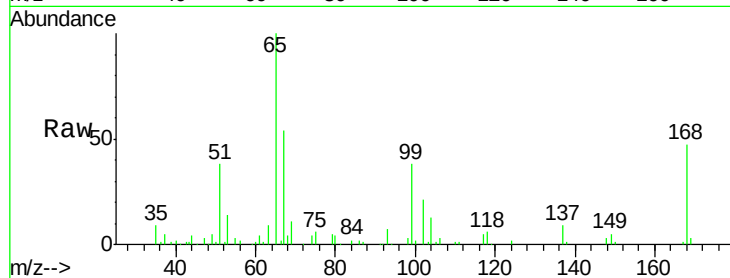




#33
 1,2-Dichloroethane-d4
 Concen: 44.925 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.01 min
 Lab File: VF061447.D
 Acq: 17 Jan 2019 16:24

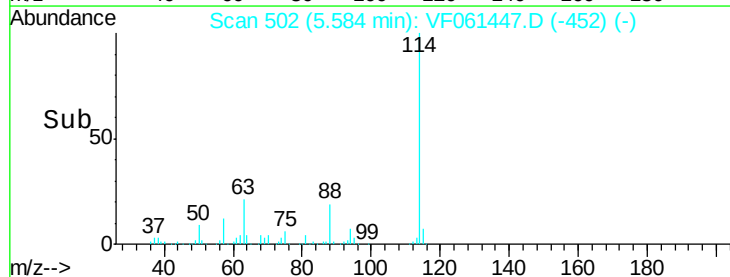
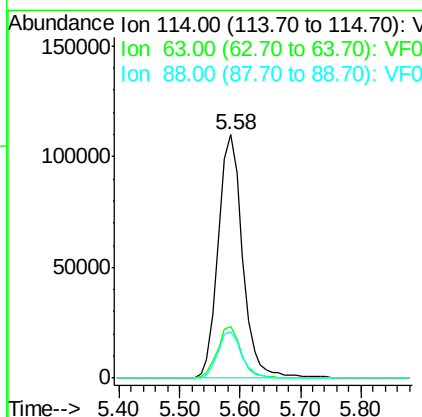
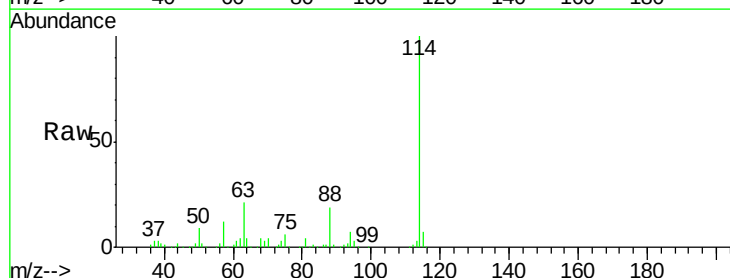
Instrument :
 MSVOA_F
 ClientSampleId :
 S1-FRONT-HOUSE-7

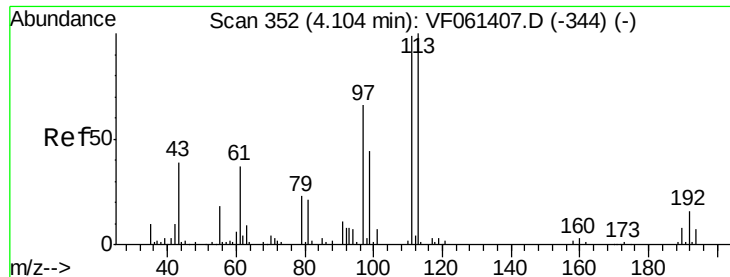
Tot Ion: 65 Resp: 97934
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061447.D
 Acq: 17 Jan 2019 16:24

Tgt Ion: 114 Resp: 309470
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.0
 88 19.0 0.0 37.4





#35

Dibromofluoromethane

Concen: 56.626 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061447.D

Acq: 17 Jan 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

S1-FRONT-HOUSE-7

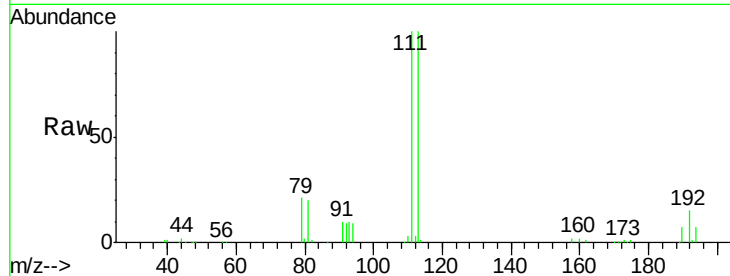
Tot Ion:113 Resp: 138279

Ion Ratio Lower Upper

113 100

111 99.9 79.4 119.0

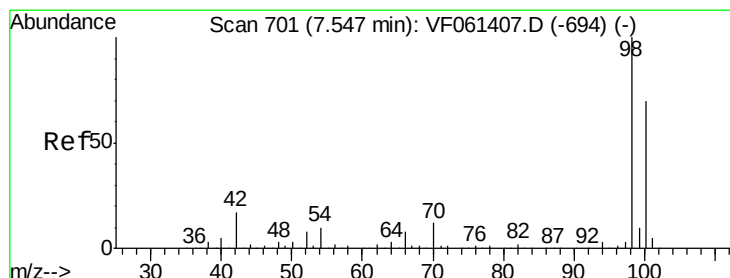
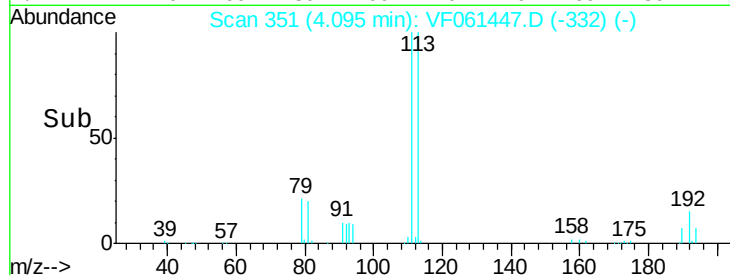
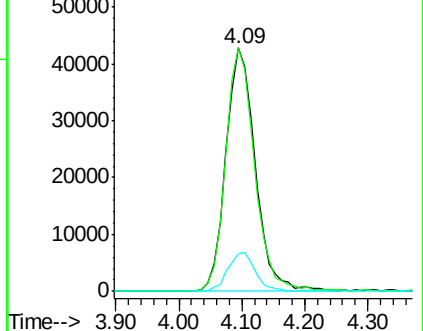
192 15.3 12.4 18.6



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



#50

Toluene-d8

Concen: 55.746 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061447.D

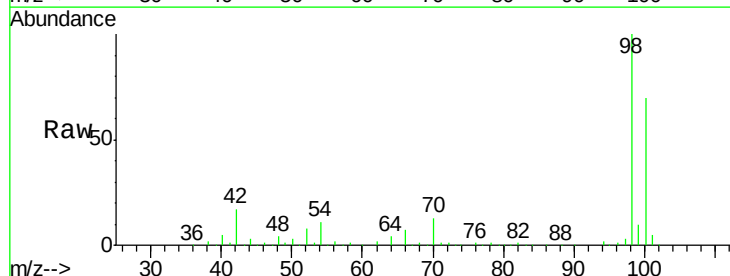
Acq: 17 Jan 2019 16:24

Tgt Ion: 98 Resp: 372974

Ion Ratio Lower Upper

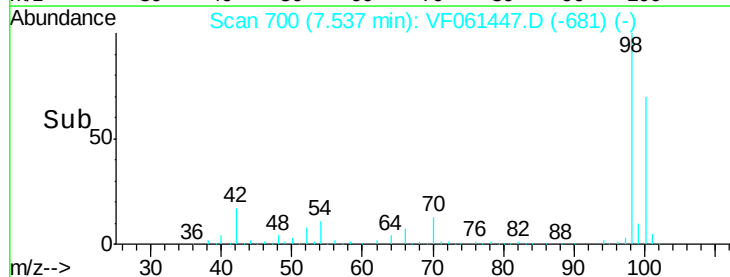
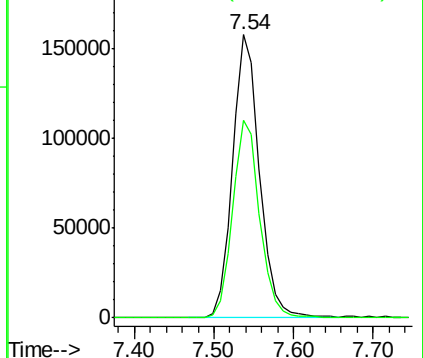
98 100

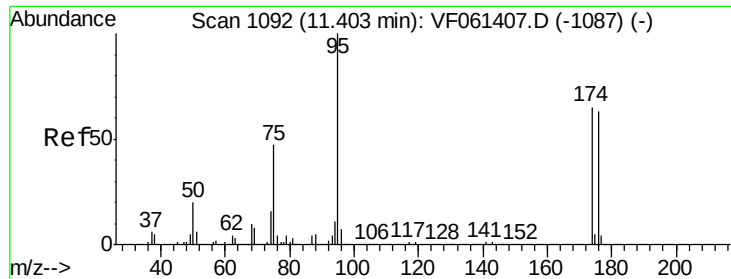
100 70.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 46.991 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061447.D

Acq: 17 Jan 2019 16:24

Instrument :

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ClientSampleId :

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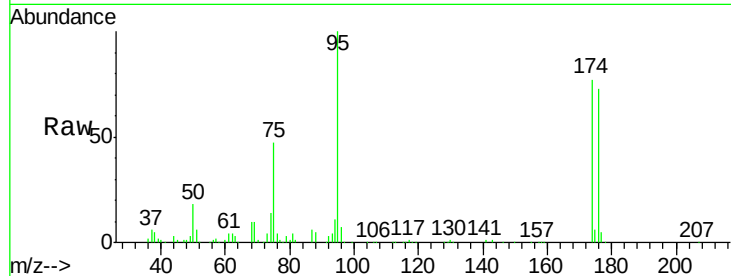
Tot Ion: 95 Resp: 146895

Ion Ratio Lower Upper

95 100

174 77.4 0.0 130.4

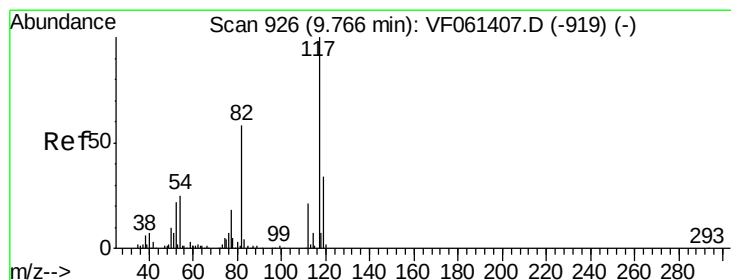
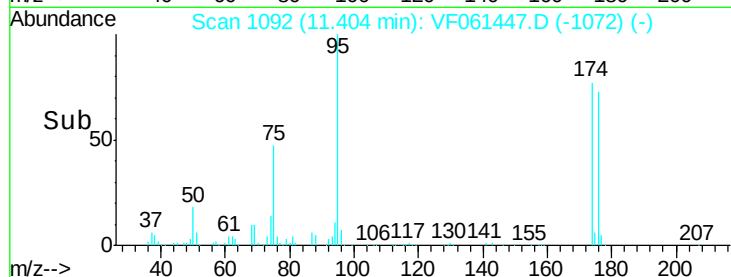
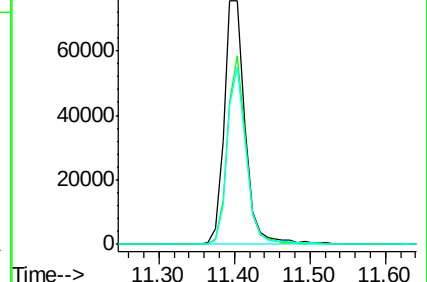
176 72.9 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.01 min

Lab File: VF061447.D

Acq: 17 Jan 2019 16:24

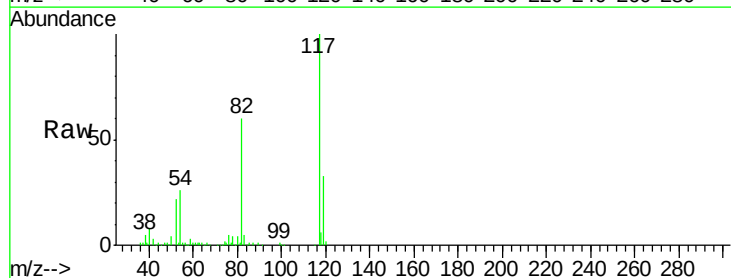
Tgt Ion: 117 Resp: 260275

Ion Ratio Lower Upper

117 100

82 60.4 46.4 69.6

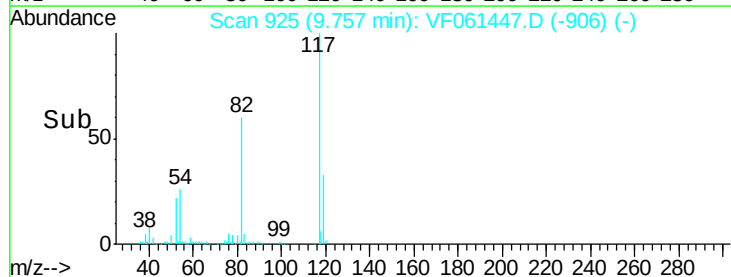
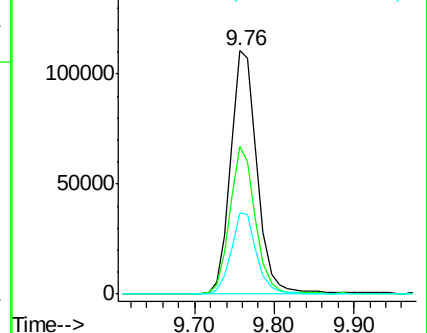
119 33.4 27.2 40.8

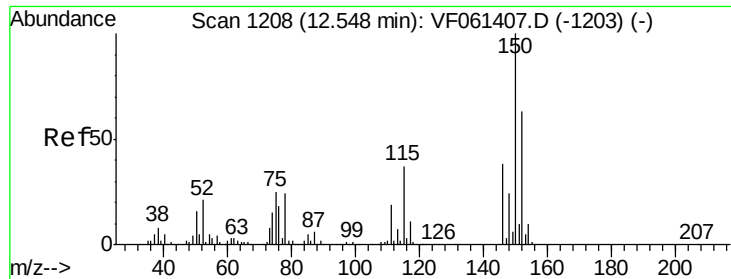


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



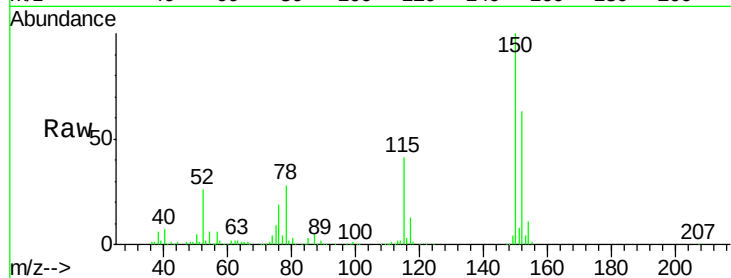


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061447.D
Acq: 17 Jan 2019 16:24

Instrument :
MSVOA_F
ClientSampleId :
S1-FRONT-HOUSE-7

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.6	30.0	90.0
150	158.6	0.0	321.4



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

