

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061856.D
 Acq On : 5 Mar 2019 20:27
 Operator : VA/AP
 Sample : K1752-01
 Misc : 5.85µ/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DR-FC

Quant Time: Mar 06 05:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

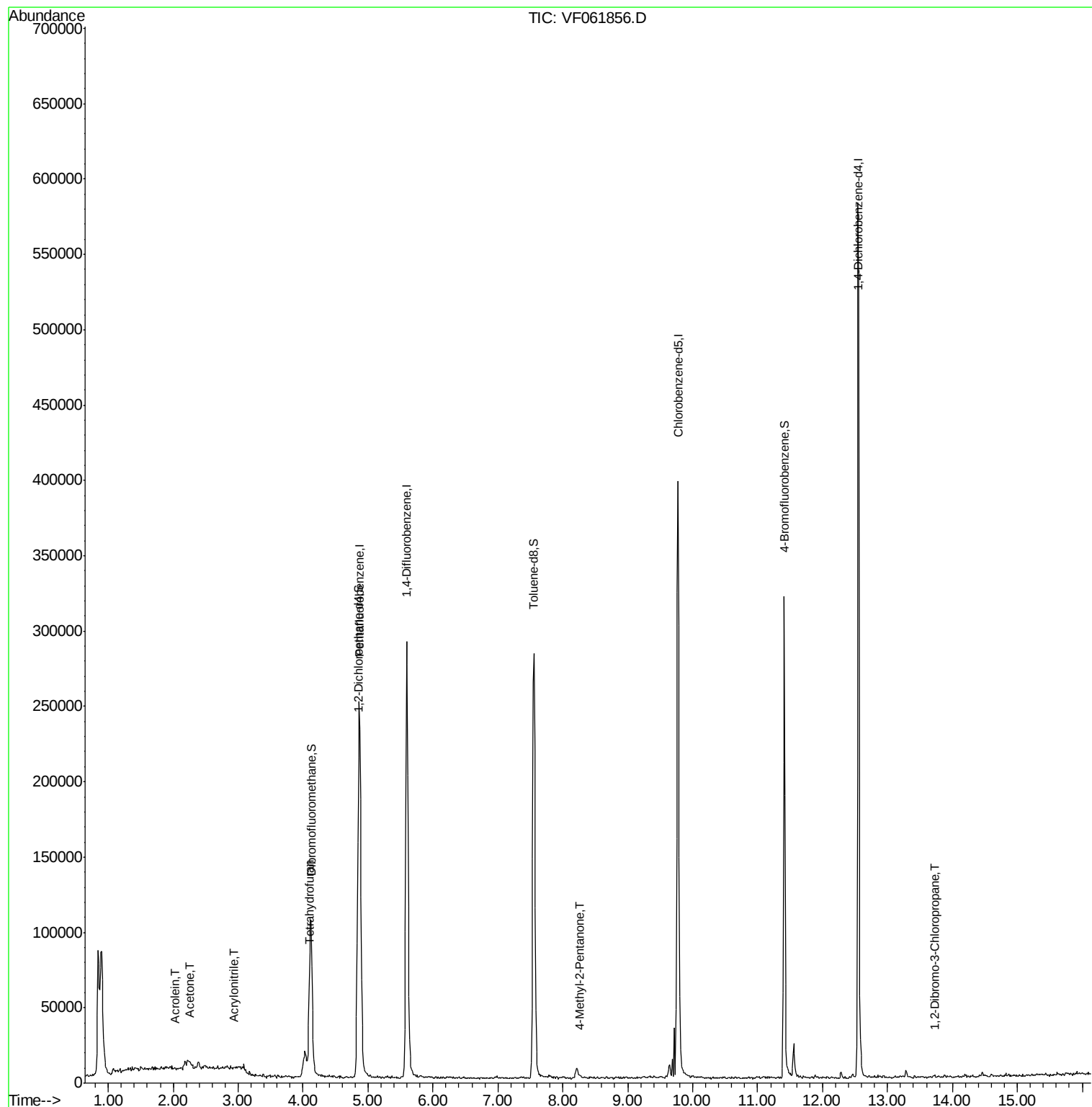
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	234162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	365019	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	315409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	174486	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	75379	44.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.40%	
35) Dibromofluoromethane	4.12	113	104147	40.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.76%	
50) Toluene-d8	7.56	98	264396	34.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.84%	
62) 4-Bromofluorobenzene	11.41	95	110653	37.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.62%	
Target Compounds						
					Qvalue	
13) Acrolein	2.03	56	163	1.329	ug/l #	1
15) Acrylonitrile	2.95	53	425	1.379	ug/l #	16
16) Acetone	2.25	43	2105	5.893	ug/l #	77
18) Methyl Acetate	2.39	43	4643	Below Cal	#	62
20) Methylene Chloride	2.24	84	3671	Below Cal		93
29) Tetrahydrofuran	4.08	42	1005	3.207	ug/l	90
51) 4-Methyl-2-Pentanone	8.27	43	1479	1.200	ug/l #	35
92) 1,2-Dibromo-3-Chloropropan	13.73	75	64	3.938	ug/l #	1

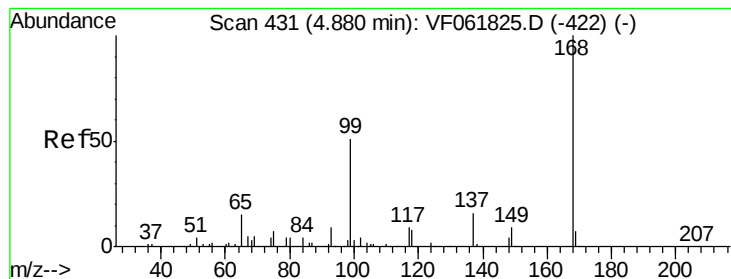
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
DR-FC

Quant Time: Mar 06 05:46:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

Instrument :

MSVOA_F

ClientSampleId :

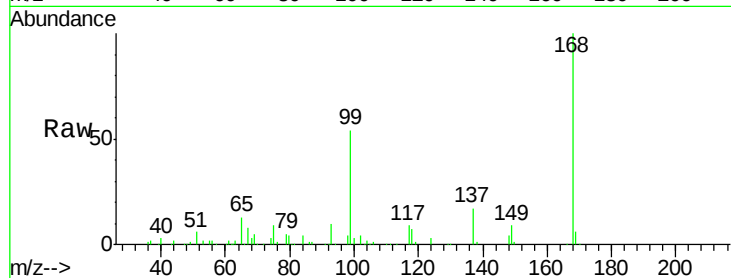
DR-FC

Tot Ion:168 Resp: 234162

Ion Ratio Lower Upper

168 100

99 53.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

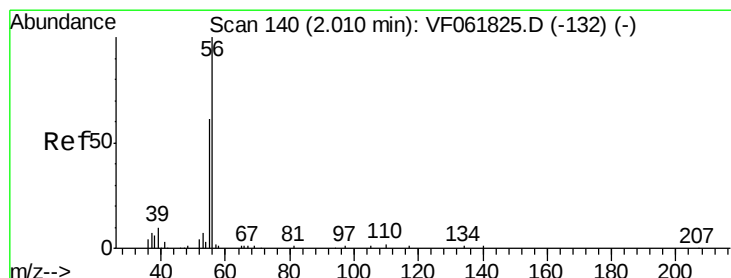
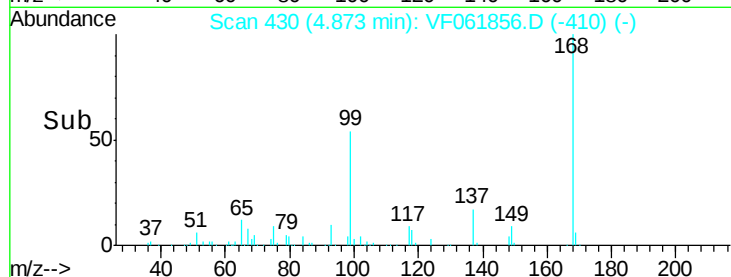
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 1.329 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF061856.D

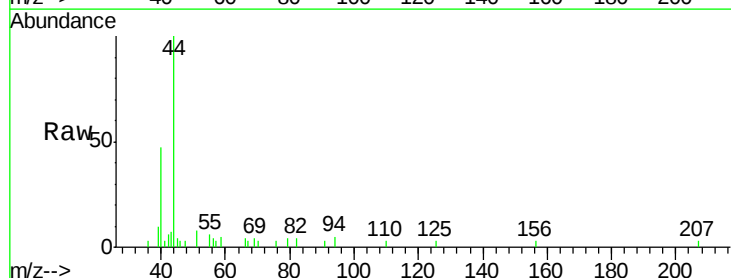
Acq: 5 Mar 2019 20:27

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 156.6 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

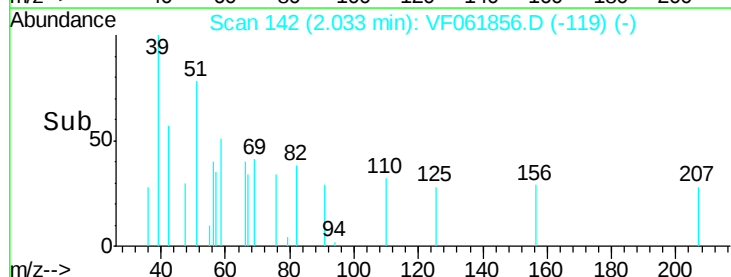
300

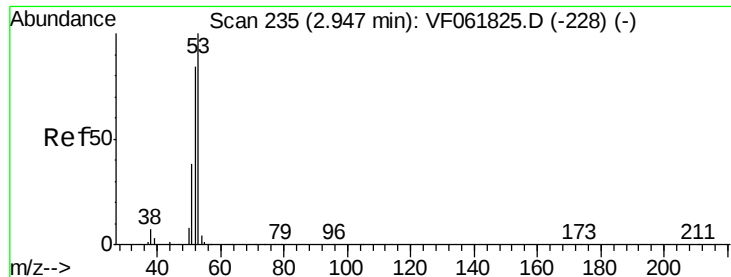
200

100

0

Time--> 2.00 2.02 2.04





#15

Acrylonitrile

Concen: 1.379 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

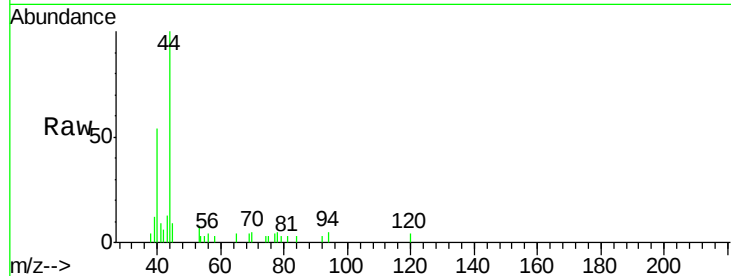
Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

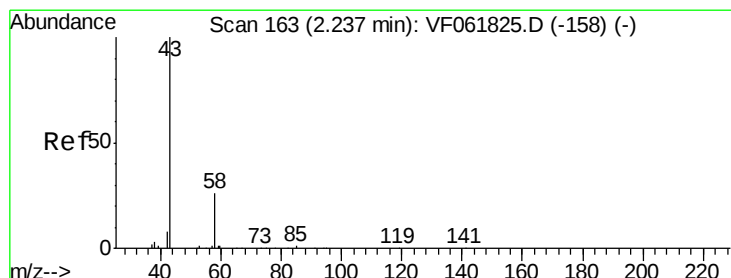
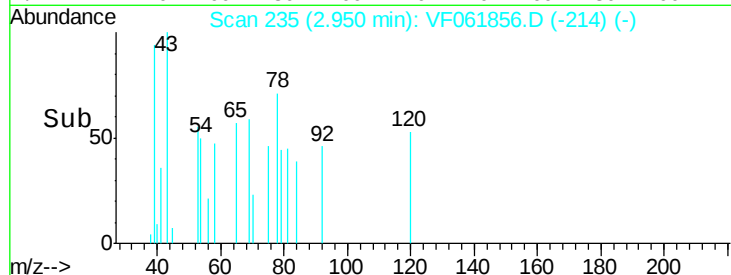
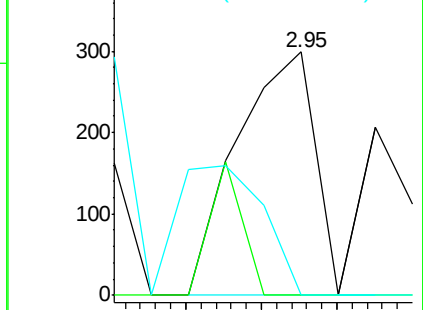
Instrument :
MSVOA_F
ClientSampled :
DR-FC

Tot Ion: 53 Resp: 425

Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.4	101.0#
51	0.0	30.7	46.1#



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: 5.893 ug/l

RT: 2.25 min Scan# 164

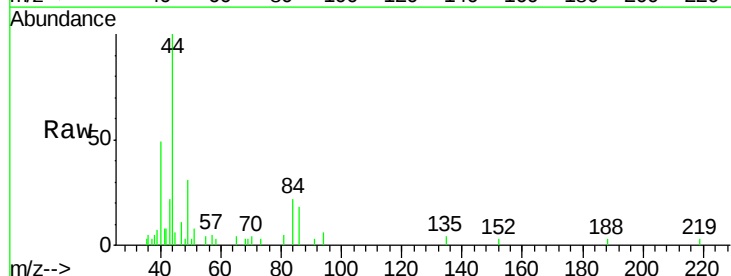
Delta R.T. 0.01 min

Lab File: VF061856.D

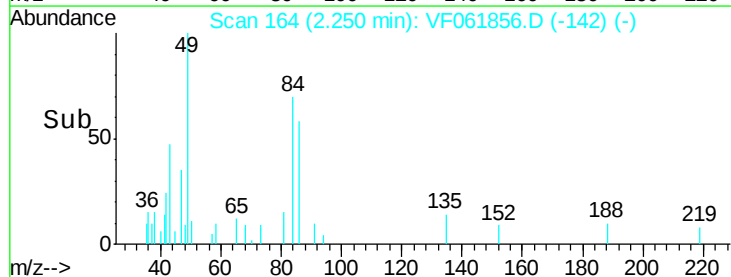
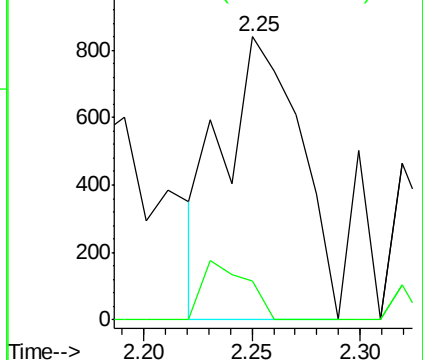
Acq: 5 Mar 2019 20:27

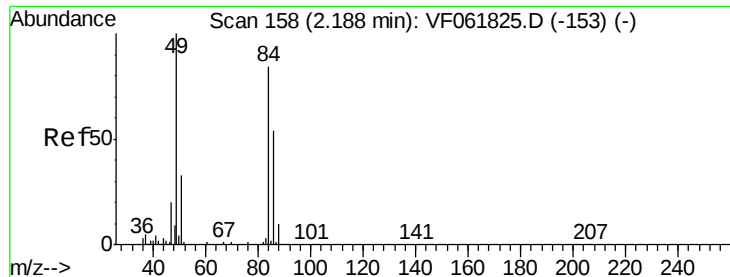
Tgt Ion: 43 Resp: 2105

Ion	Ratio	Lower	Upper
43	100		
58	13.9	20.3	30.5#



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

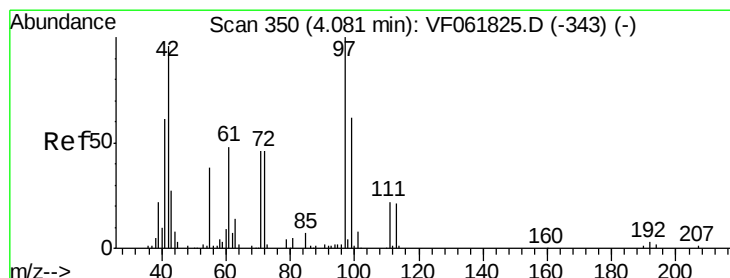
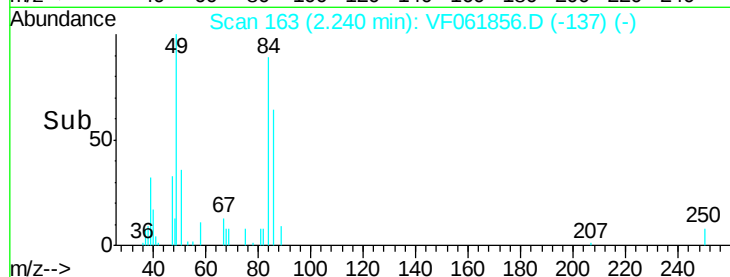
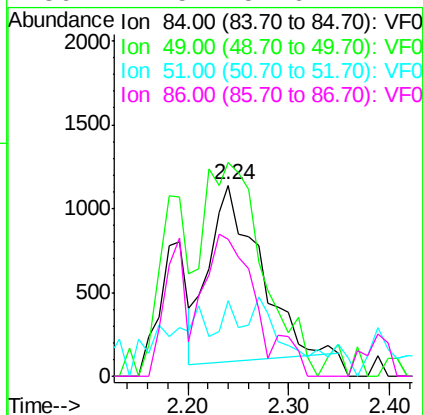
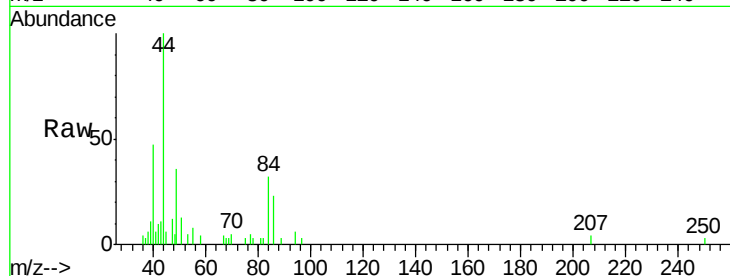




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.24 min Scan# 163
Delta R.T. 0.05 min
Lab File: VF061856.D
Acq: 5 Mar 2019 20:27

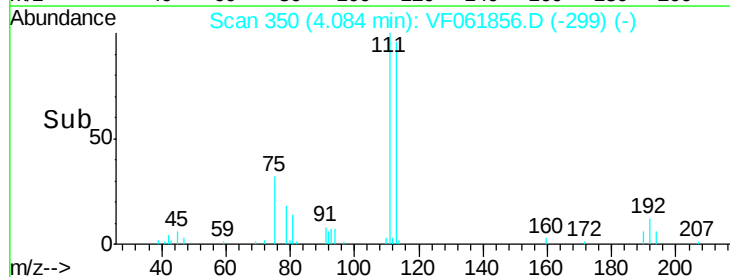
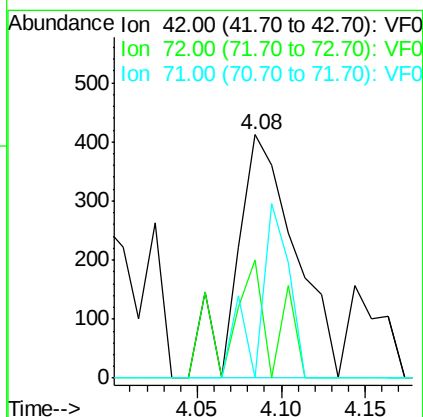
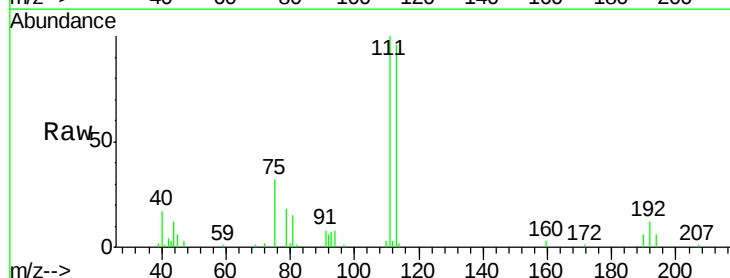
Instrument :
MSVOA_F
ClientSampleId :
DR-FC

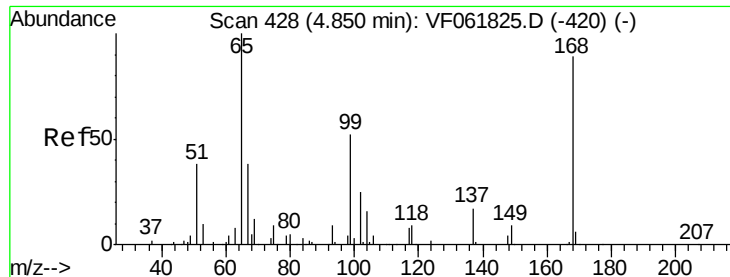
Tot Ion: 84 Resp: 3671
Ion Ratio Lower Upper
84 100
49 111.9 96.8 145.2
51 39.8 31.8 47.6
86 71.5 51.6 77.4



#29
Tetrahydrofuran
Concen: 3.207 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061856.D
Acq: 5 Mar 2019 20:27

Tgt Ion: 42 Resp: 1005
Ion Ratio Lower Upper
42 100
72 36.8 34.4 51.6
71 37.1 34.6 52.0





#33

1,2-Dichloroethane-d4

Concen: 44.203 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

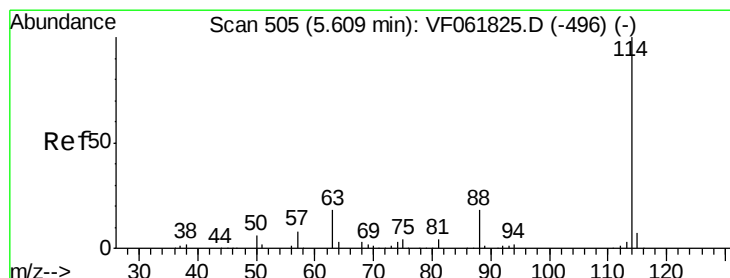
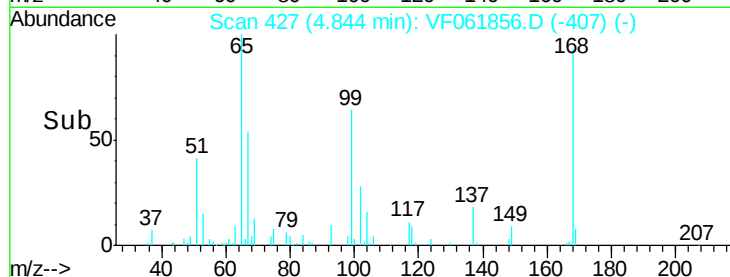
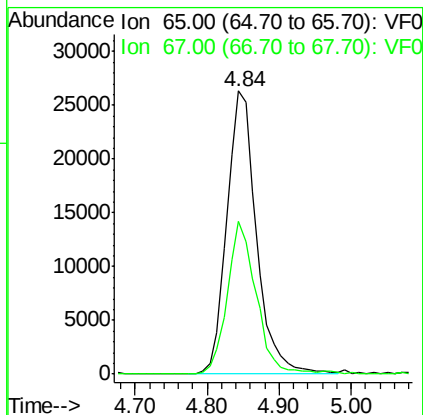
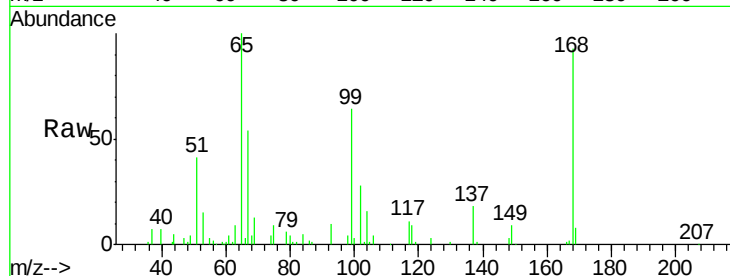
Instrument :
MSVOA_F
ClientSampled :
DR-FC

Tot Ion: 65 Resp: 75379

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

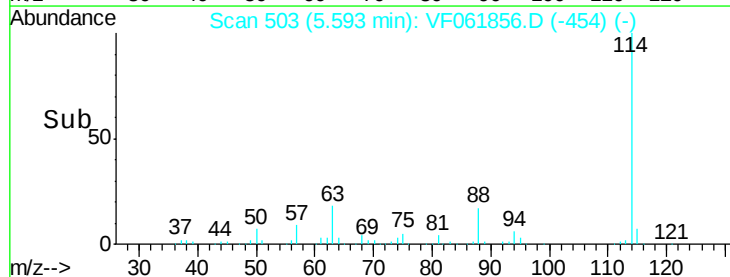
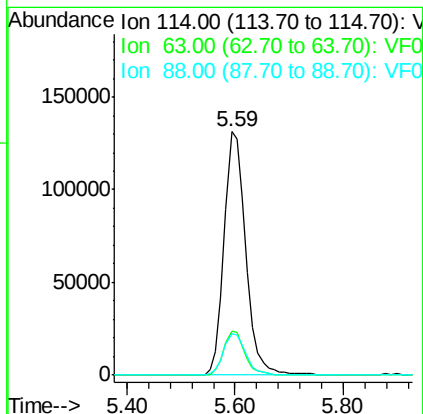
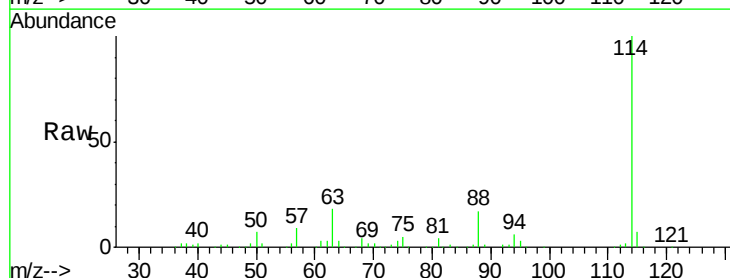
Tgt Ion: 114 Resp: 365019

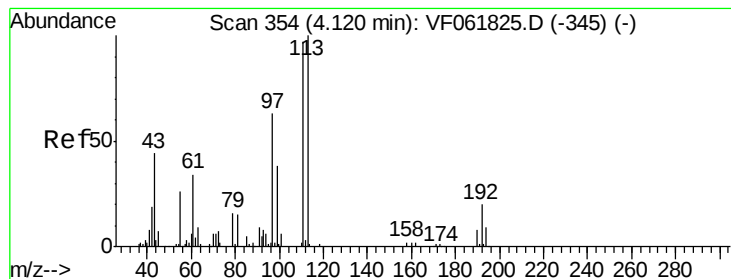
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 17.3 0.0 35.6





#35

Dibromofluoromethane

Concen: 40.884 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.00 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

Instrument :

MSVOA_F

ClientSampleId :

DR-FC

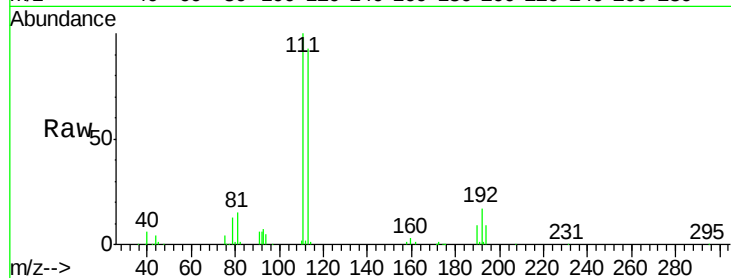
Tot Ion:113 Resp: 104147

Ion Ratio Lower Upper

113 100

111 107.9 77.6 116.4

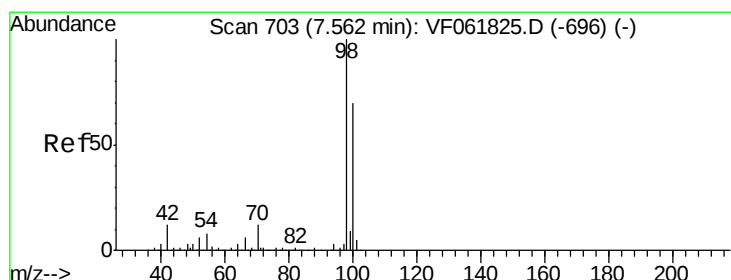
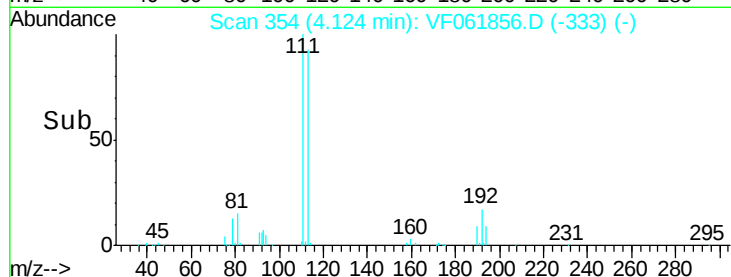
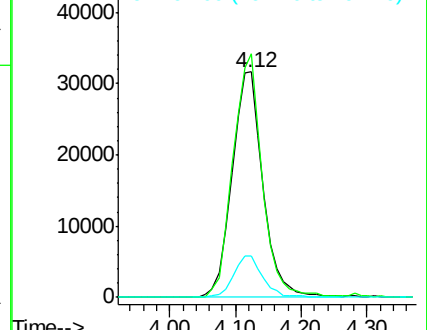
192 18.1 15.9 23.9



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: 34.920 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061856.D

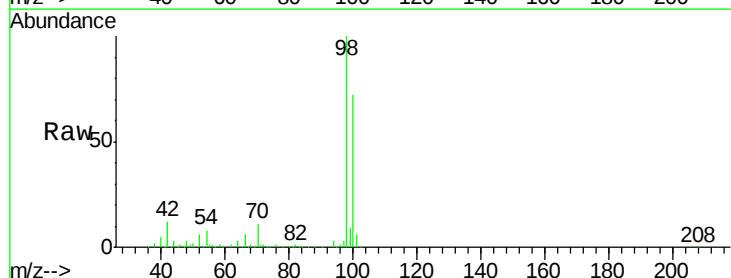
Acq: 5 Mar 2019 20:27

Tgt Ion: 98 Resp: 264396

Ion Ratio Lower Upper

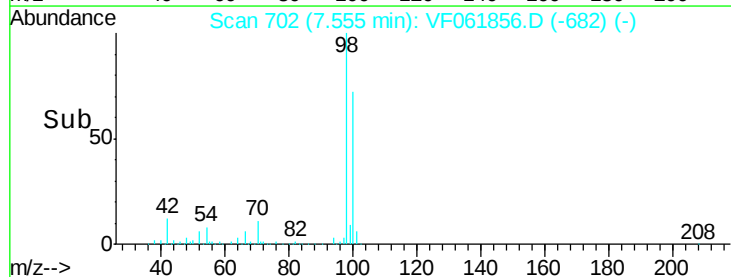
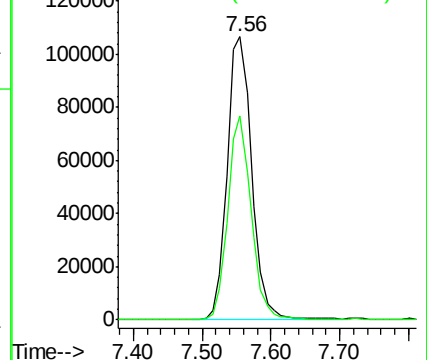
98 100

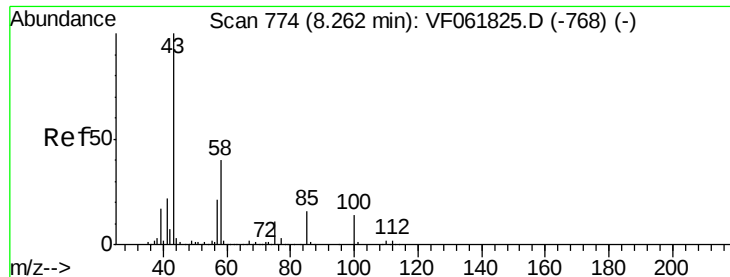
100 72.0 56.0 84.0



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: 1.200 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

Instrument :

MSVOA_F

ClientSampleId :

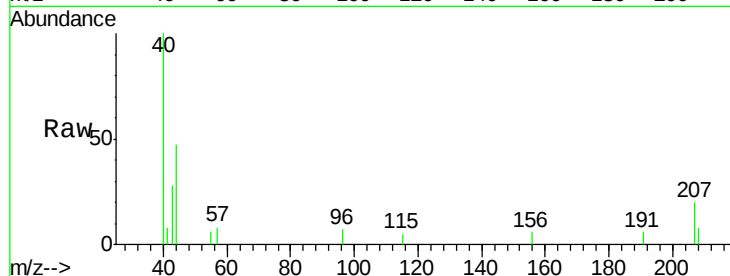
DR-FC

Tot Ion: 43 Resp: 1479

Ion Ratio Lower Upper

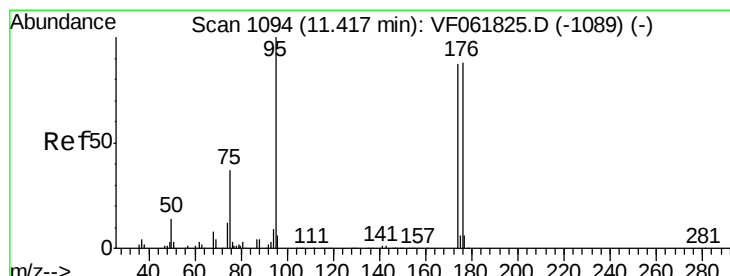
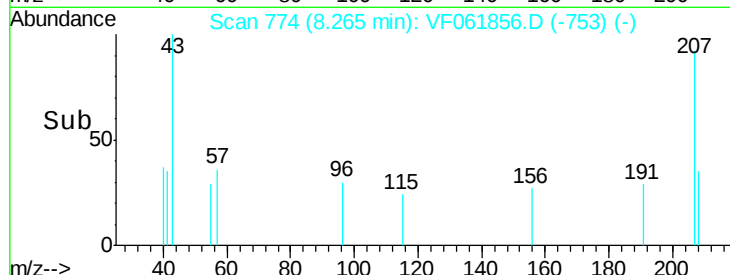
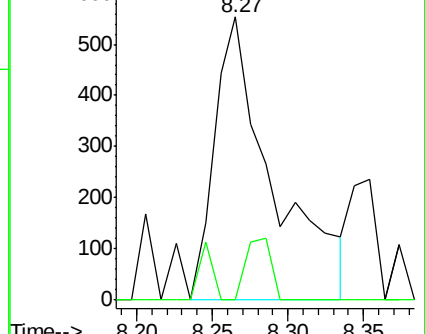
43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 37.308 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

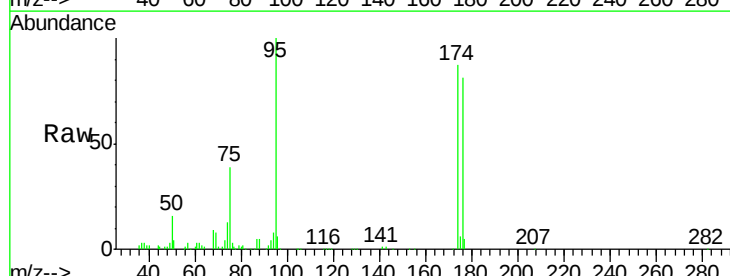
Tgt Ion: 95 Resp: 110653

Ion Ratio Lower Upper

95 100

174 86.8 0.0 174.0

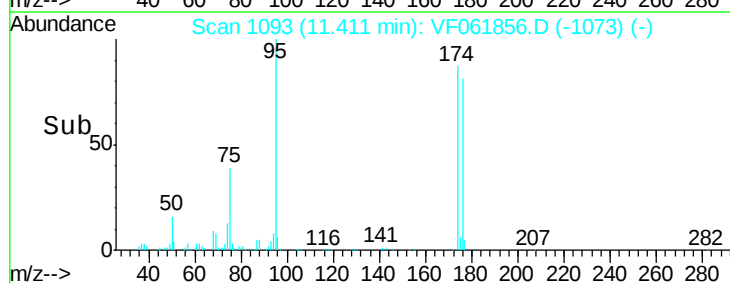
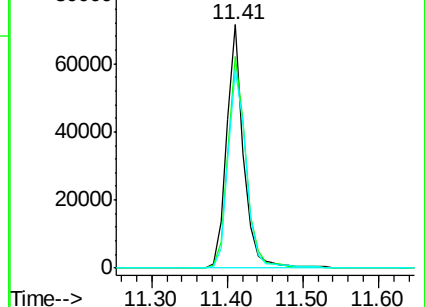
176 81.5 0.0 175.2

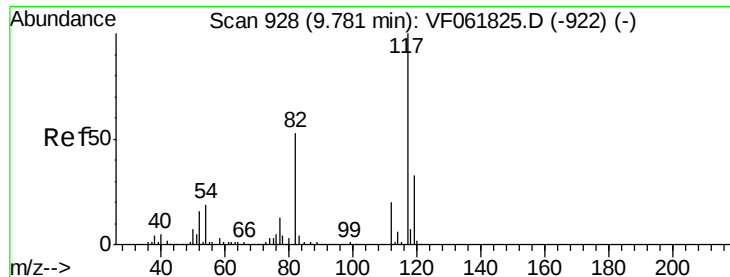


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

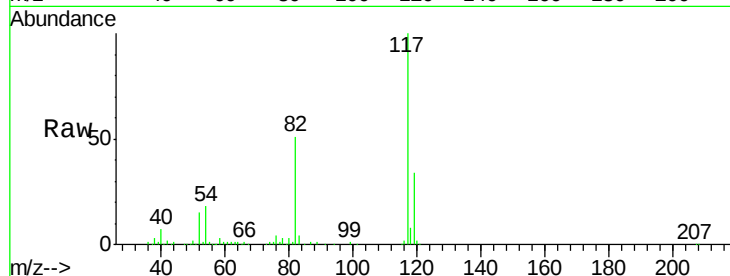




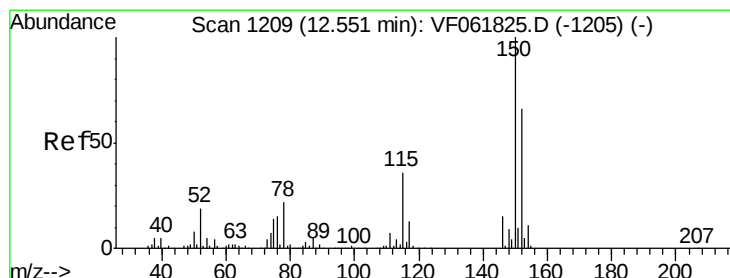
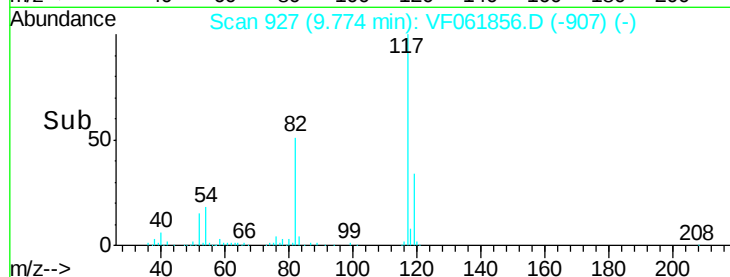
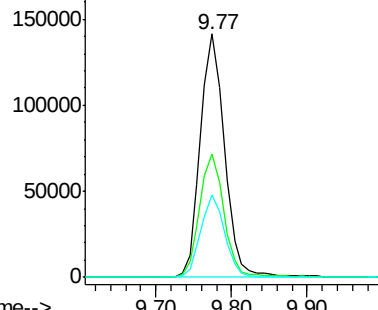
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061856.D
Acq: 5 Mar 2019 20:27

Instrument :
MSVOA_F
ClientSampleId :
DR-FC

Tot Ion:117 Resp: 315409
Ion Ratio Lower Upper
117 100
82 50.7 42.6 63.8
119 33.8 26.0 39.0

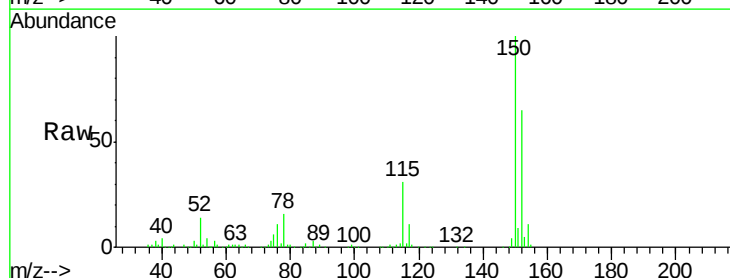


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

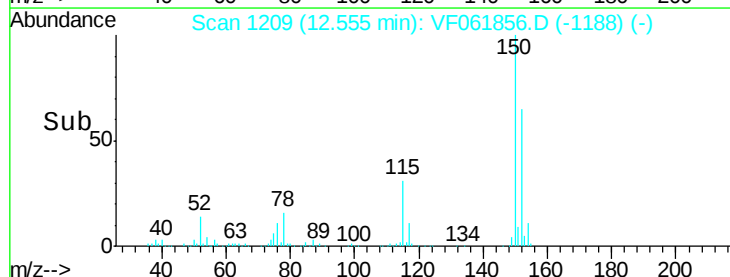
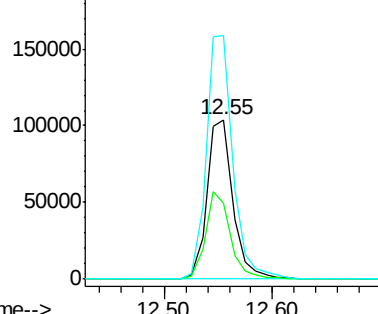


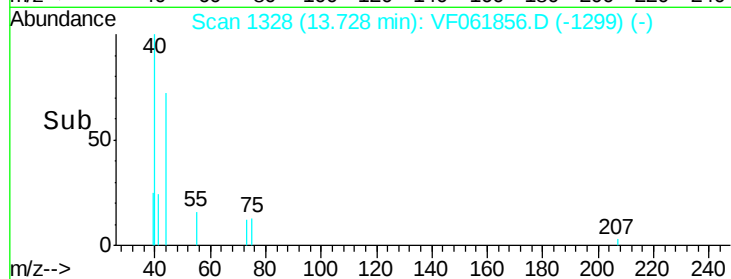
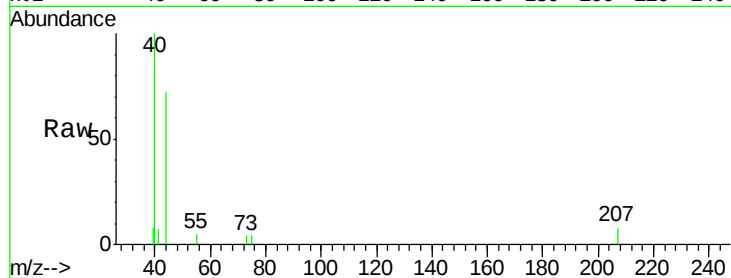
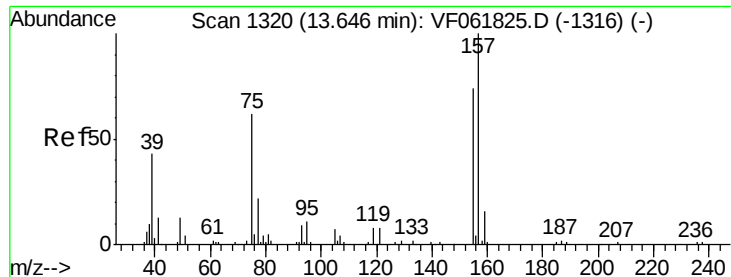
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061856.D
Acq: 5 Mar 2019 20:27

Tgt Ion:152 Resp: 174486
Ion Ratio Lower Upper
152 100
115 47.7 27.7 83.1
150 152.8 0.0 304.2



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.938 ug/l

RT: 13.73 min Scan# 1328

Delta R.T. 0.08 min

Lab File: VF061856.D

Acq: 5 Mar 2019 20:27

Instrument :

MSVOA_F

ClientSampleId :

DR-FC

Tot Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

