

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061888.D
 Acq On : 11 Mar 2019 14:33
 Operator : VA/AP
 Sample : K1824-01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-24

Quant Time: Mar 12 05:34:28 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	269067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	411550	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	333018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	194412	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	120641	61.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.14%	
35) Dibromofluoromethane	4.11	113	164522	57.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.56%	
50) Toluene-d8	7.55	98	396307	46.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.41	95	183162	54.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.54%	

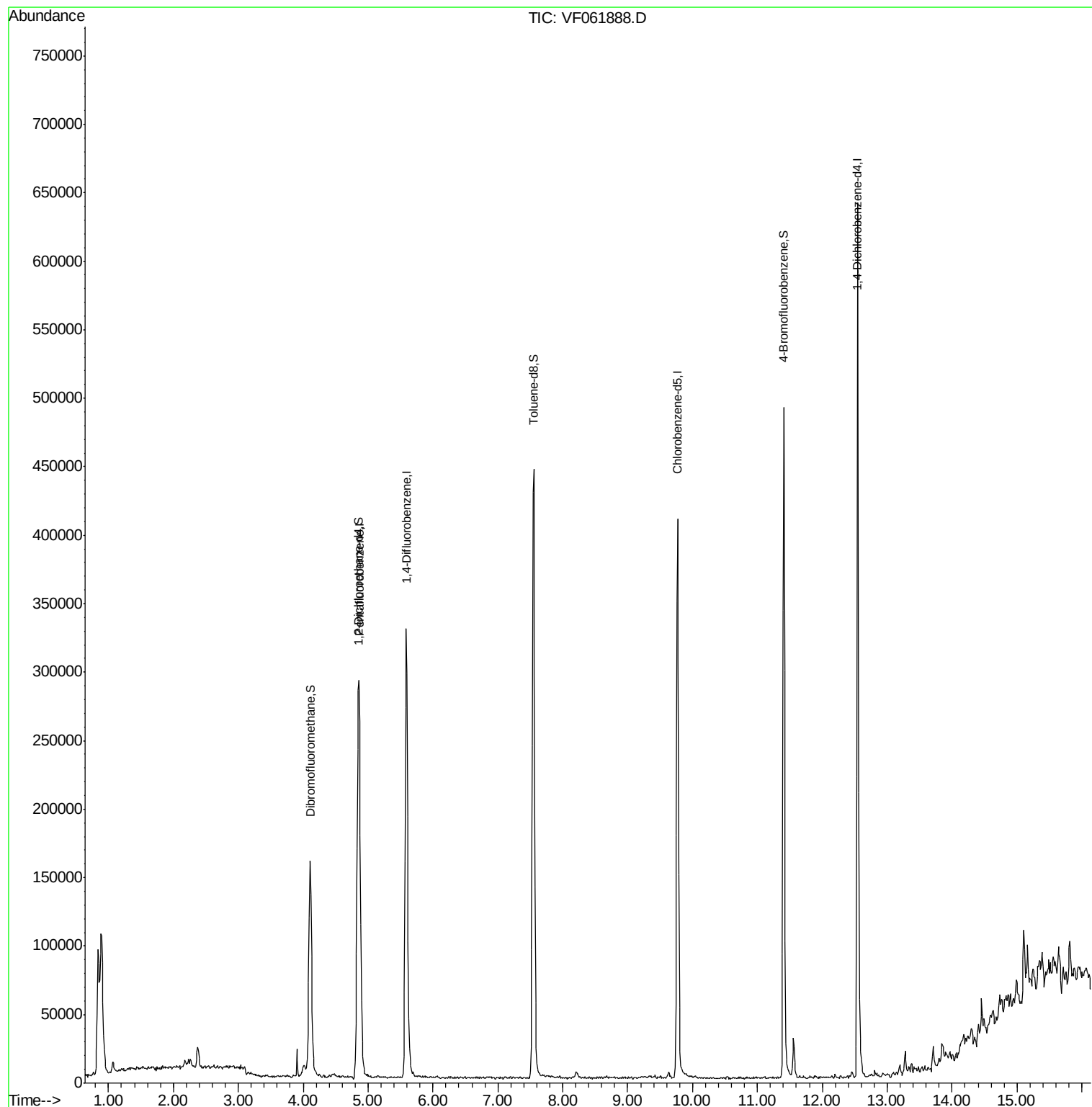
Target Compounds	Qvalue

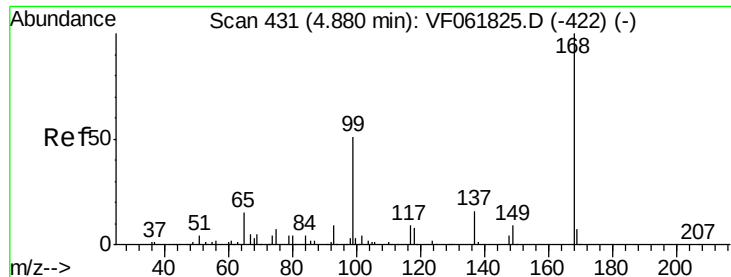
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_F

ClientSampleId :

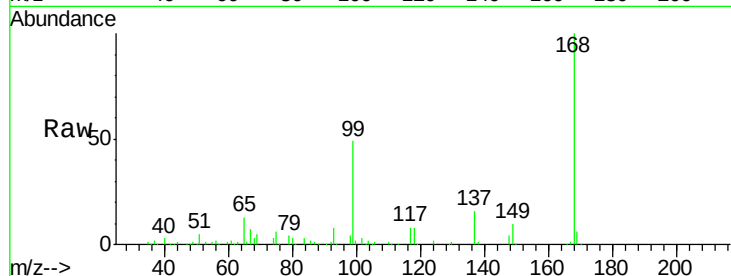
TP-24

Tot Ion:168 Resp: 269067

Ion Ratio Lower Upper

168 100

99 49.2 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

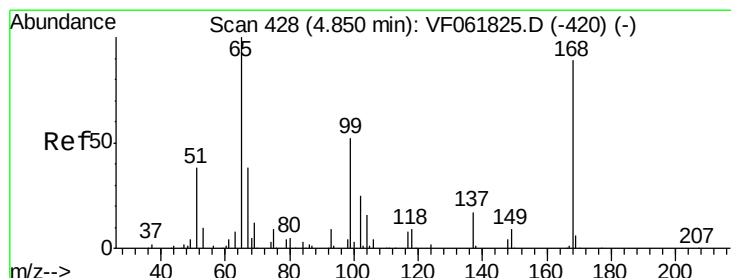
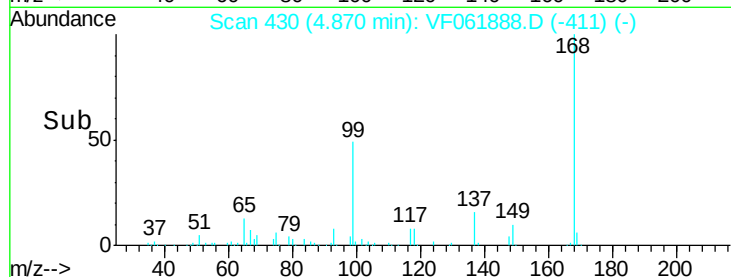
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.568 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061888.D

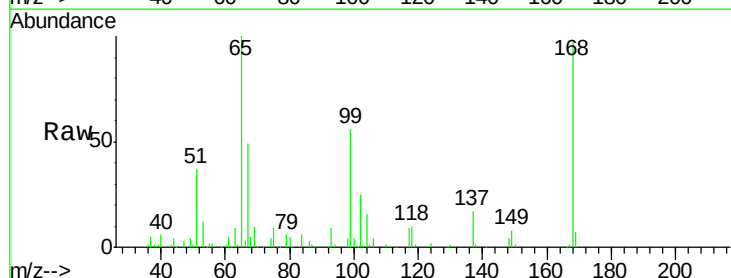
Acq: 11 Mar 2019 14:33

Tgt Ion: 65 Resp: 120641

Ion Ratio Lower Upper

65 100

67 48.8 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

50000

40000

30000

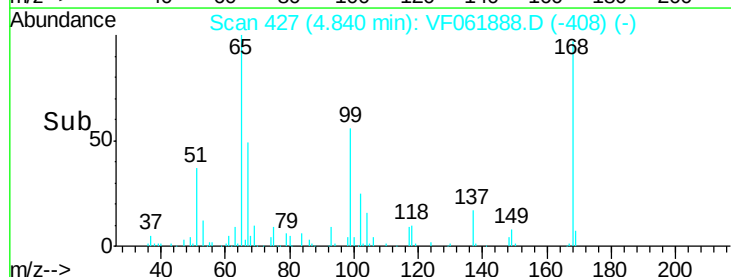
20000

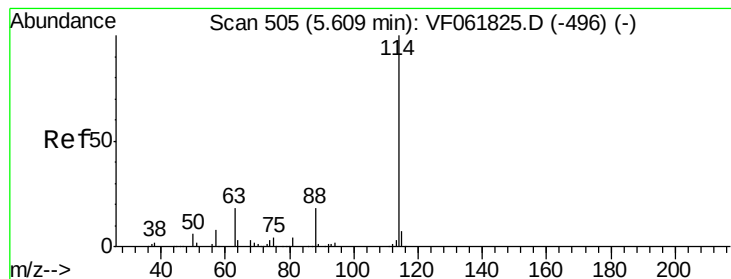
10000

0

4.70 4.80 4.90 5.00

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_F

ClientSampleId :

TP-24

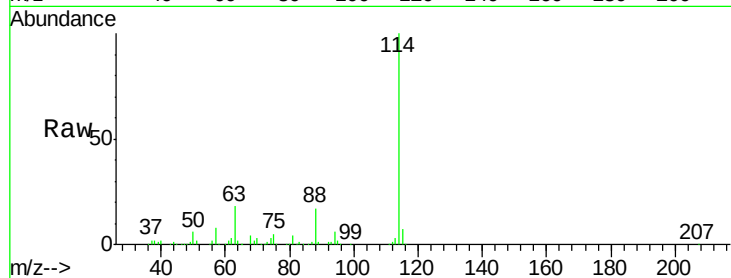
Tot Ion:114 Resp: 411550

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

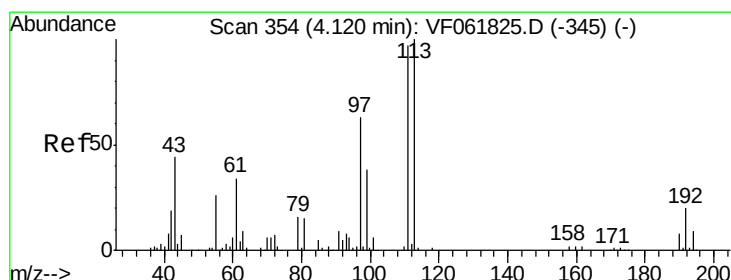
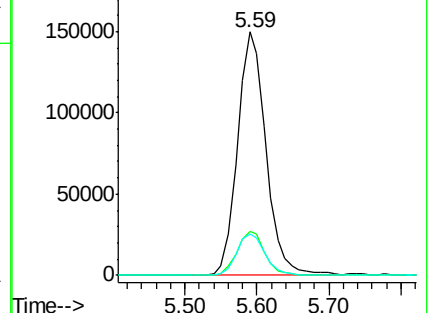
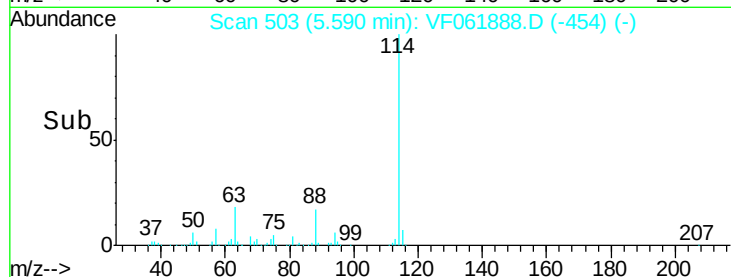
88 17.3 0.0 35.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 57.283 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

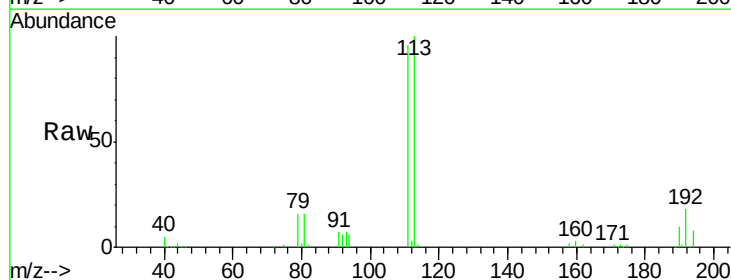
Tgt Ion:113 Resp: 164522

Ion Ratio Lower Upper

113 100

111 96.1 77.6 116.4

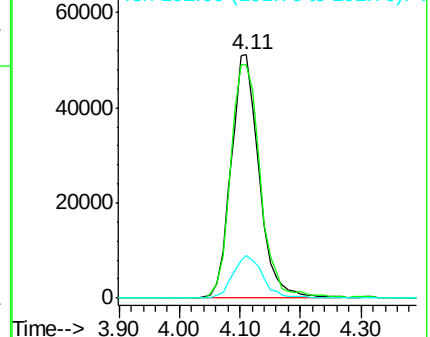
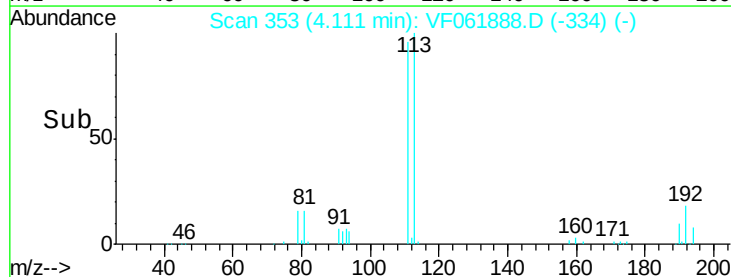
192 17.6 15.9 23.9

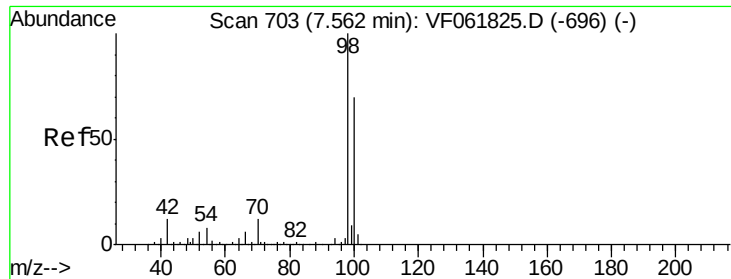


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 46.424 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

Instrument :

MSVOA_F

ClientSampleId :

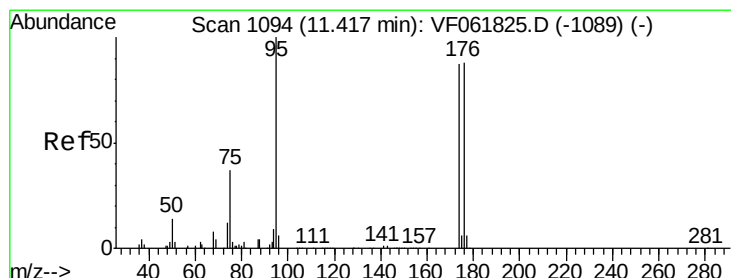
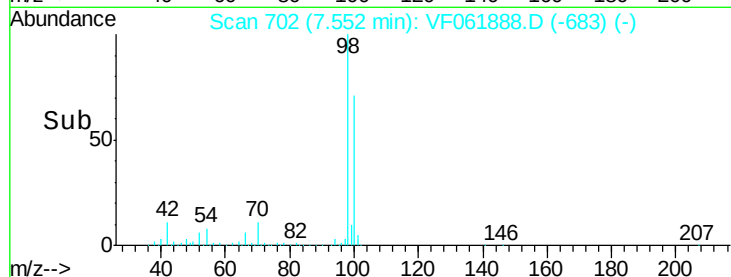
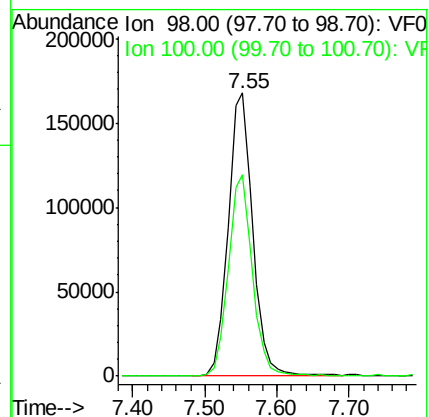
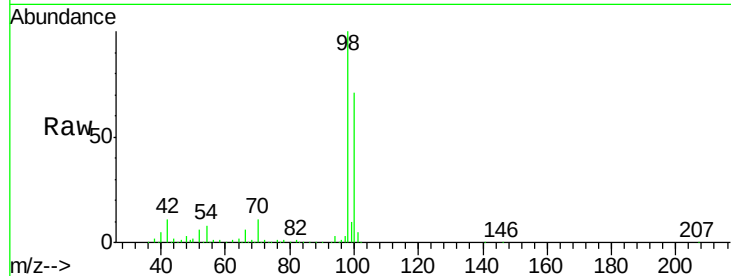
TP-24

Tot Ion: 98 Resp: 396307

Ion Ratio Lower Upper

98 100

100 71.1 56.0 84.0



#62

4-Bromofluorobenzene

Concen: 54.773 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061888.D

Acq: 11 Mar 2019 14:33

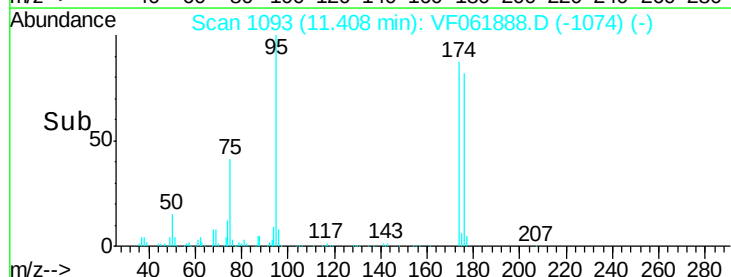
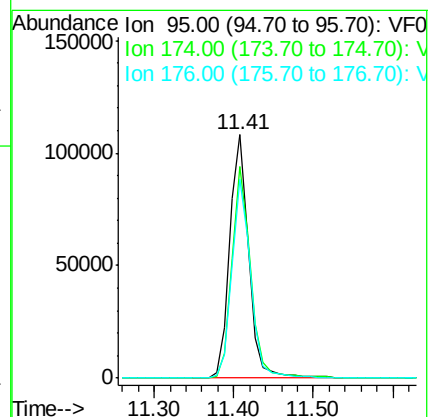
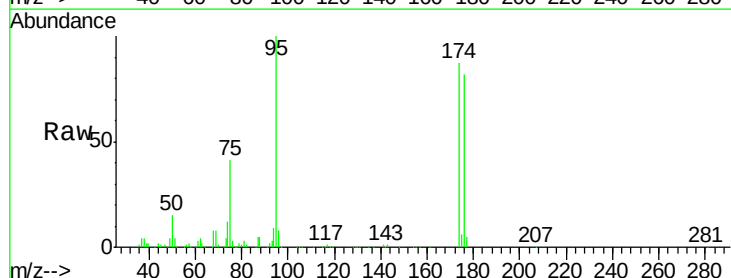
Tgt Ion: 95 Resp: 183162

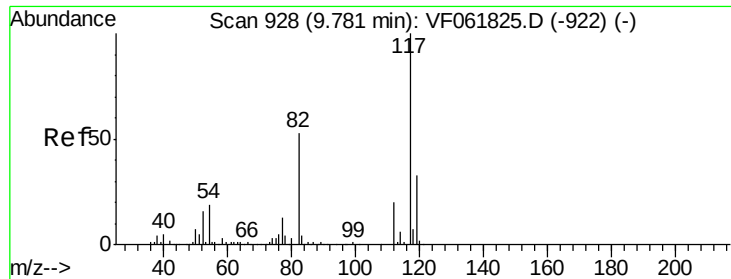
Ion Ratio Lower Upper

95 100

174 87.0 0.0 174.0

176 81.9 0.0 175.2

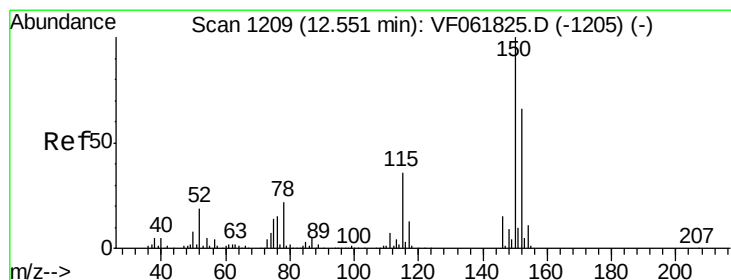
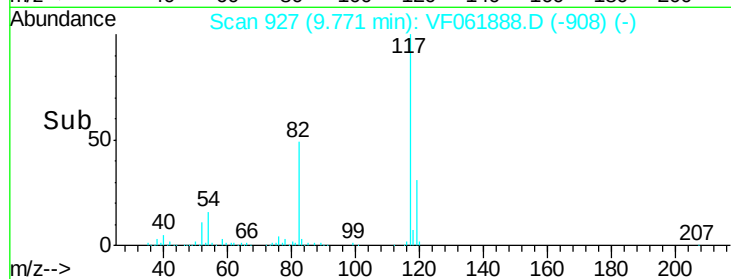
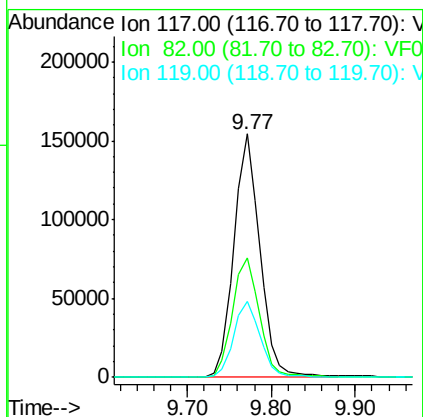
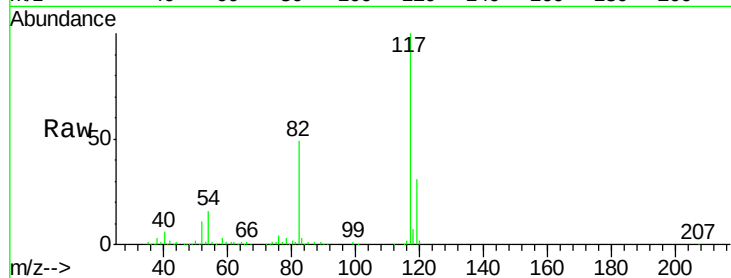




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

Instrument :
MSVOA_F
ClientSampleId :
TP-24

Tot Ion:117 Resp: 333018
Ion Ratio Lower Upper
117 100
82 49.3 42.6 63.8
119 31.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061888.D
Acq: 11 Mar 2019 14:33

Tgt Ion:152 Resp: 194412
Ion Ratio Lower Upper
152 100
115 47.9 27.7 83.1
150 152.6 0.0 304.2

