

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060087.D
 Acq On : 24 Aug 2018 8:43
 Operator : VA/AP
 Sample : J4581-17
 Misc : 5.7a/5mL/MSVOA F/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-D1

Quant Time: Aug 24 09:12:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	151300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	260979	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	269506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	139032	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	118108	57.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.08%	
35) Dibromofluoromethane	4.28	113	112367	54.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.66%	
50) Toluene-d8	7.71	98	260244	44.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.42%	
62) 4-Bromofluorobenzene	11.51	95	114773	37.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.56%	

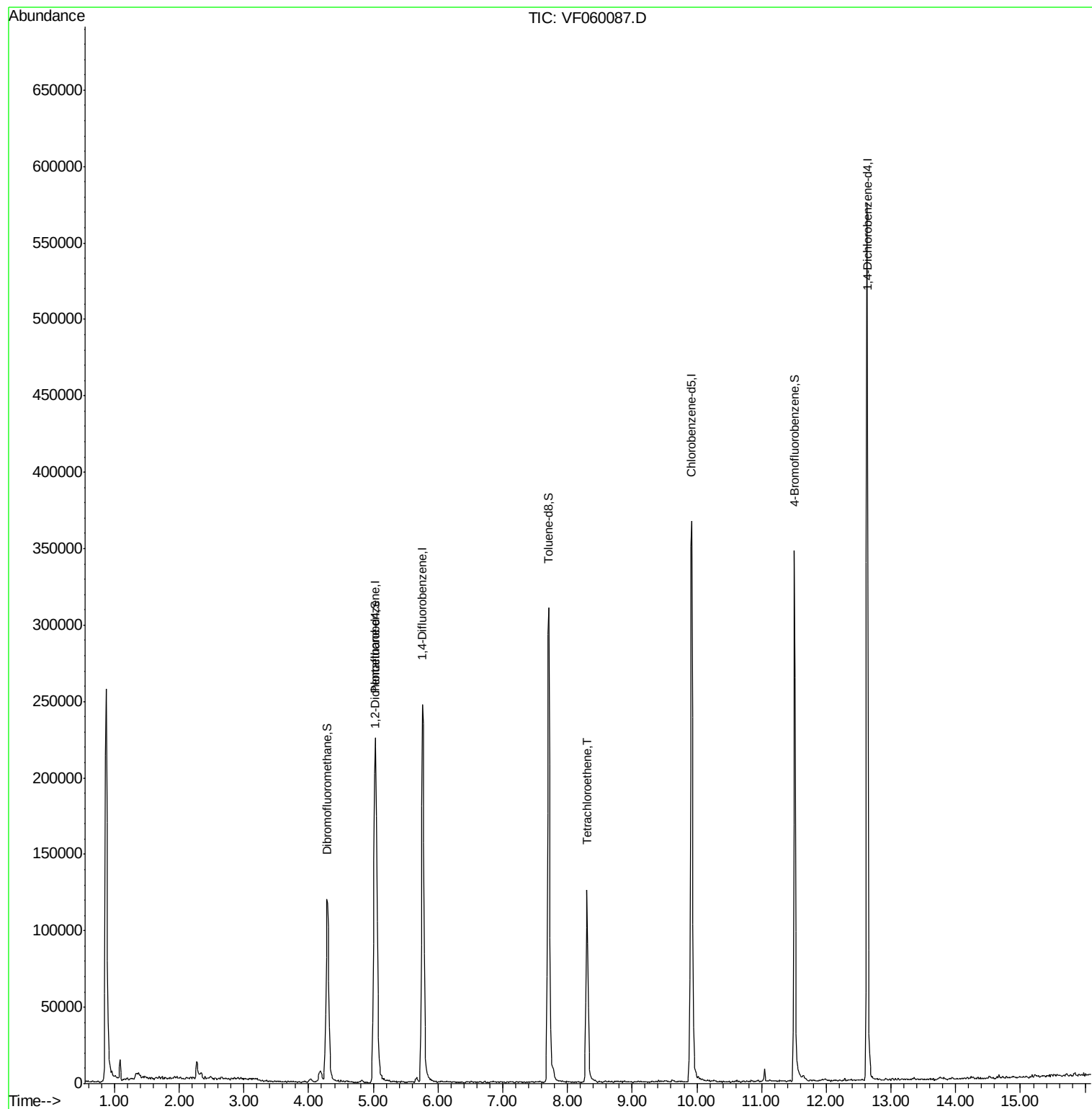
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
64) Tetrachloroethene	8.30	164	33394	18.39	ug/l	98

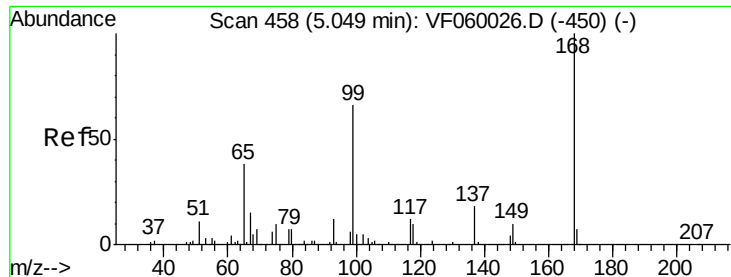
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

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Acq: 24 Aug 2018 8:43

Instrument :

MSVOA_F

ClientSampleId :

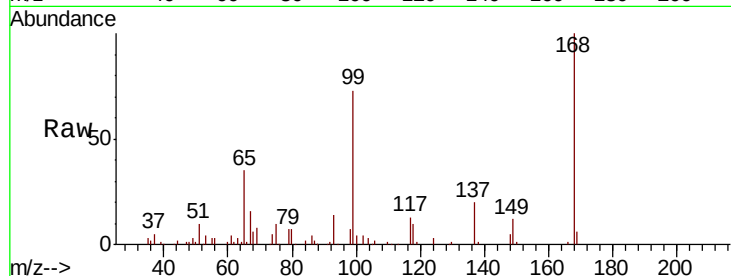
EP1-Q3-D1

Tot Ion:168 Resp: 151300

Ion Ratio Lower Upper

168 100

99 73.4 52.6 79.0

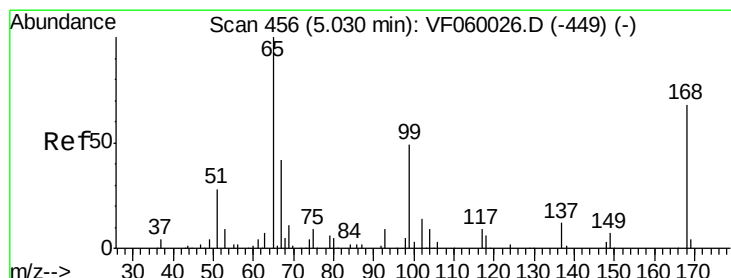
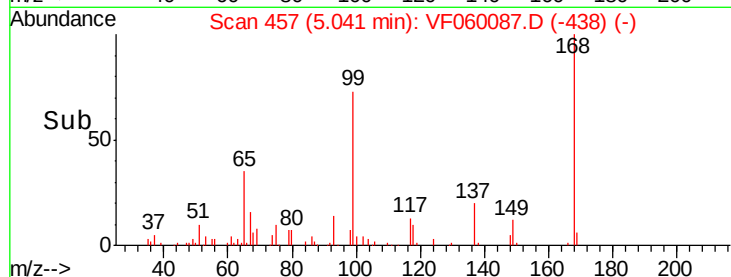


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.04 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060087.D

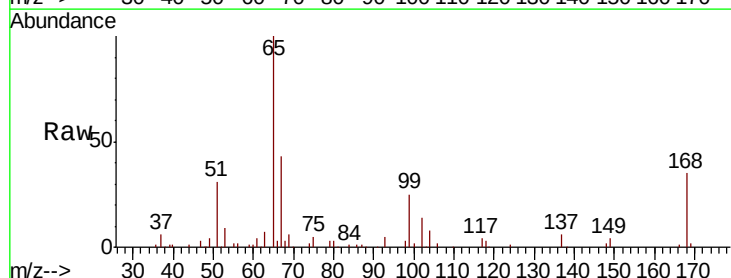
Acq: 24 Aug 2018 8:43

Tgt Ion: 65 Resp: 118108

Ion Ratio Lower Upper

65 100

67 43.5 0.0 92.0

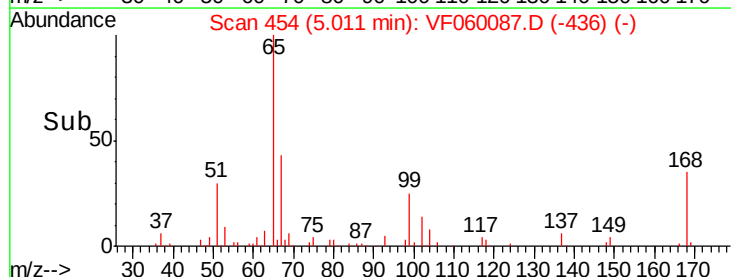


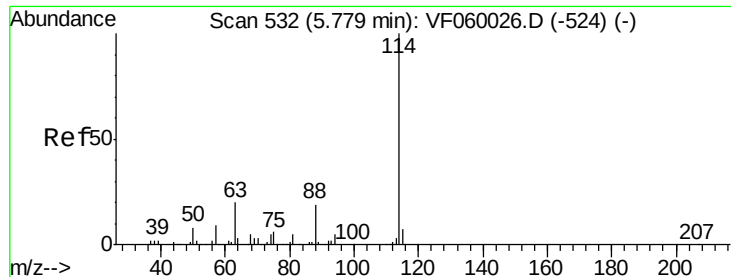
Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060087.D

Acq: 24 Aug 2018 8:43

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D1

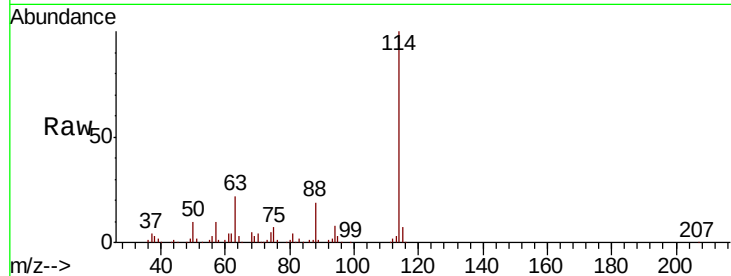
Tot Ion:114 Resp: 260979

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.4

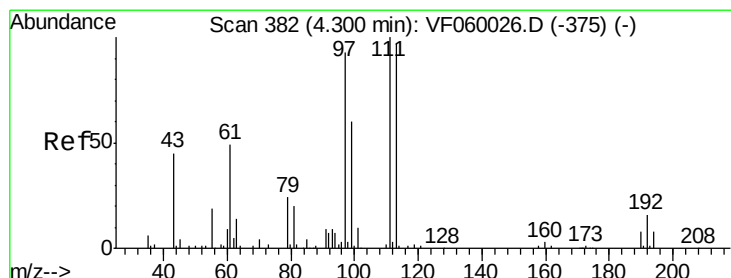
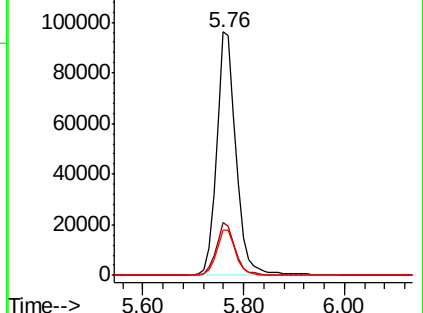
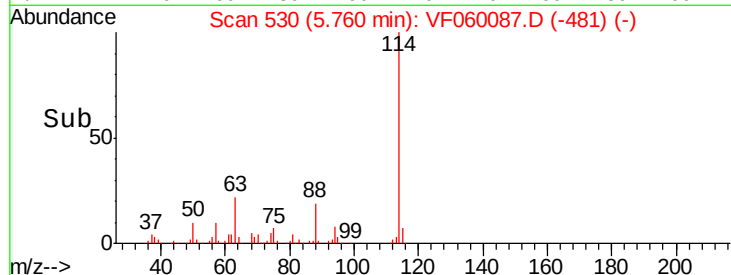
88 18.7 0.0 38.6



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: 54.83 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060087.D

Acq: 24 Aug 2018 8:43

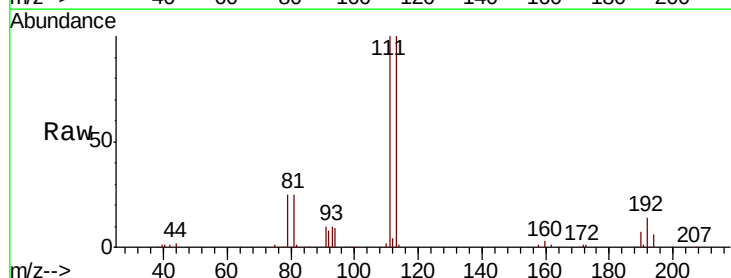
Tgt Ion:113 Resp: 112367

Ion Ratio Lower Upper

113 100

111 100.2 82.7 124.1

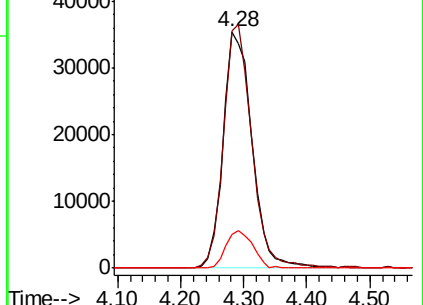
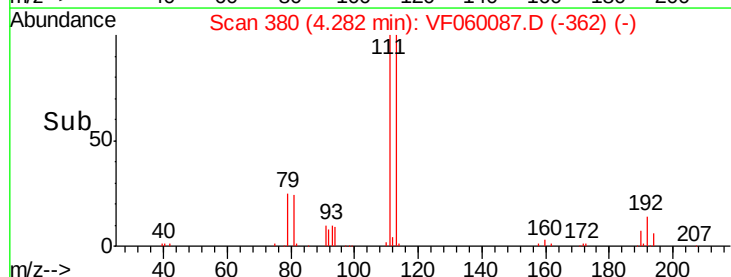
192 14.3 13.0 19.4

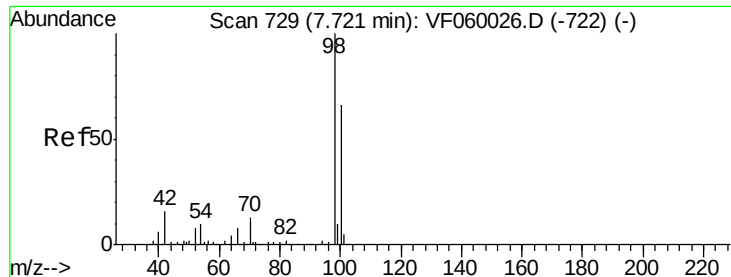


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

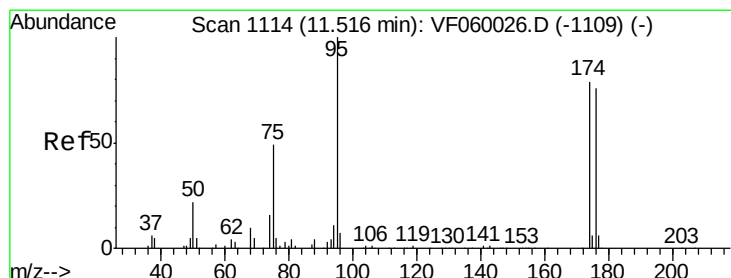
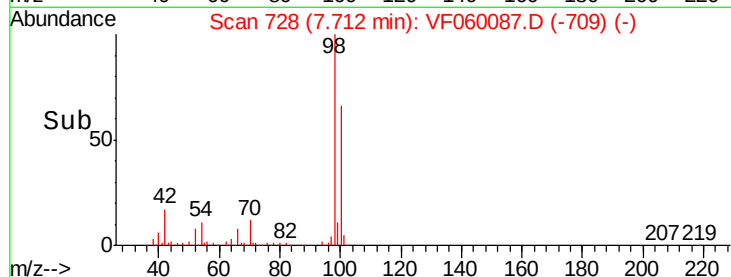
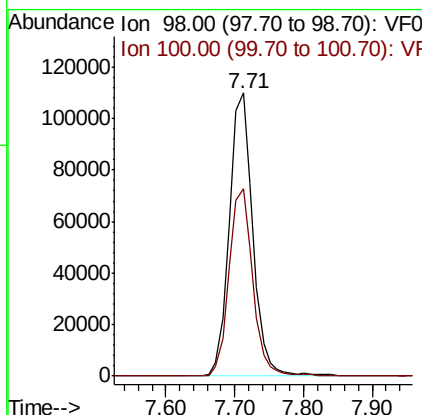
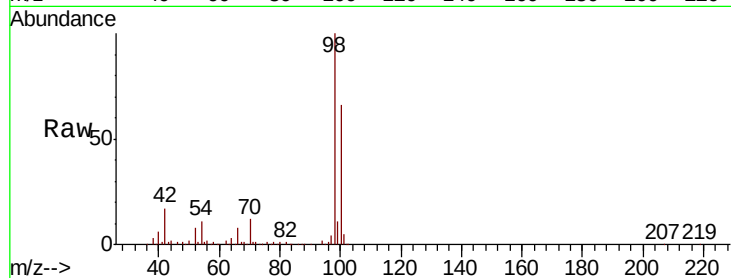




#50
Toluene-d8
Concen: 44.71 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060087.D
Acq: 24 Aug 2018 8:43

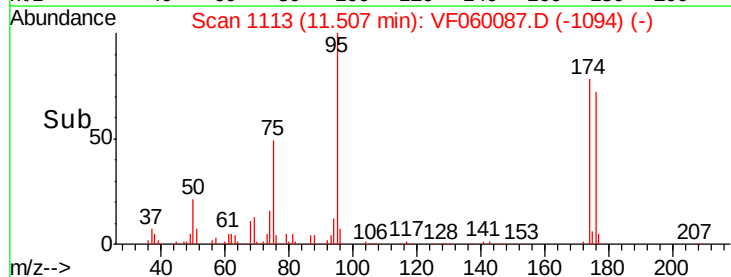
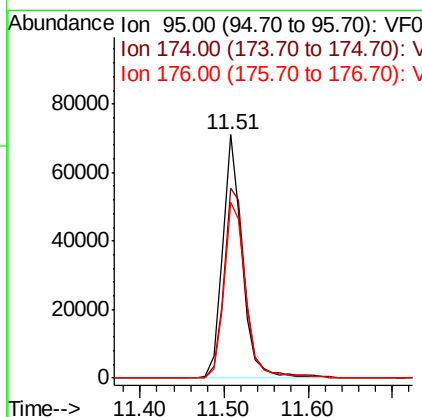
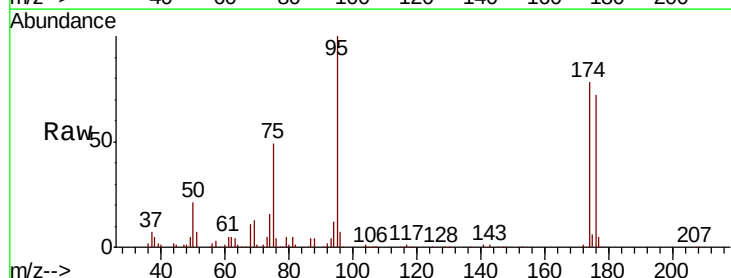
Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D1

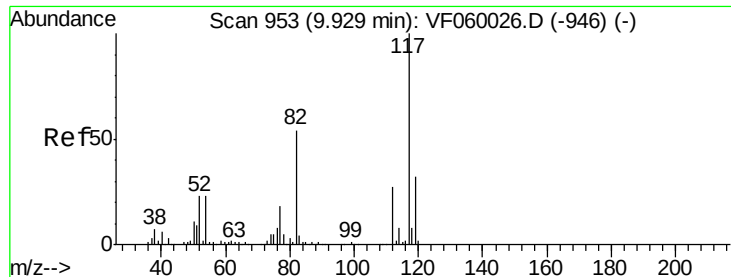
Tot Ion: 98 Resp: 260244
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 37.28 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF060087.D
Acq: 24 Aug 2018 8:43

Tgt Ion: 95 Resp: 114773
Ion Ratio Lower Upper
95 100
174 77.8 0.0 158.4
176 72.0 0.0 153.0

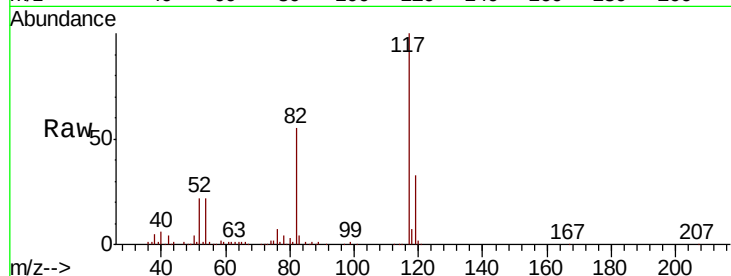




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060087.D
Acq: 24 Aug 2018 8:43

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-D1

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.6	65.4
119	33.1	25.6	38.4

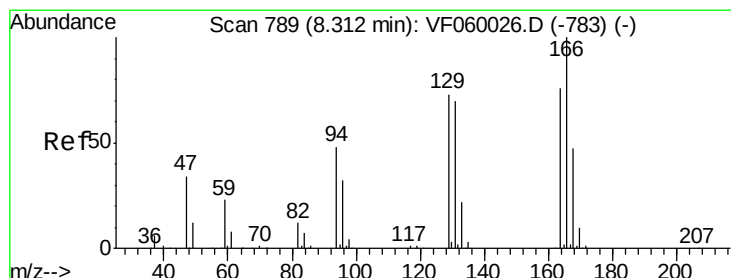
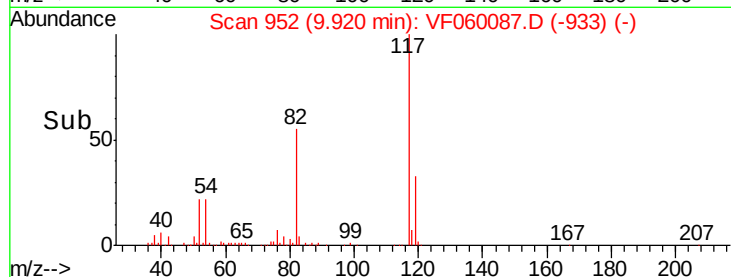
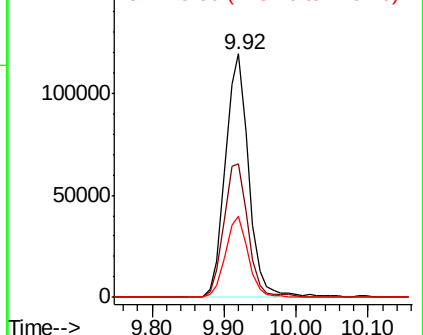


Abundance

Ion 117.00 (116.70 to 117.70): V

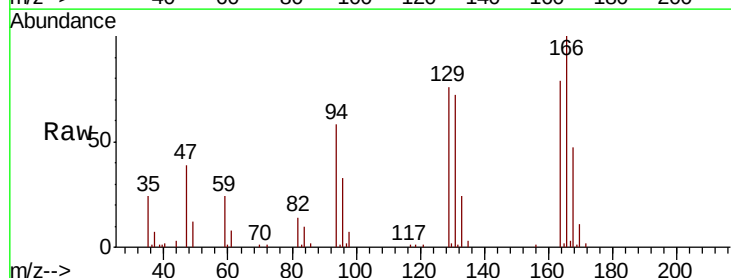
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 18.39 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060087.D
Acq: 24 Aug 2018 8:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.7	157.1
129	95.8	77.0	115.4
131	91.1	72.9	109.3



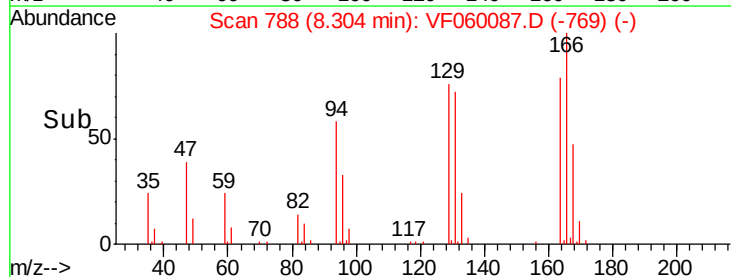
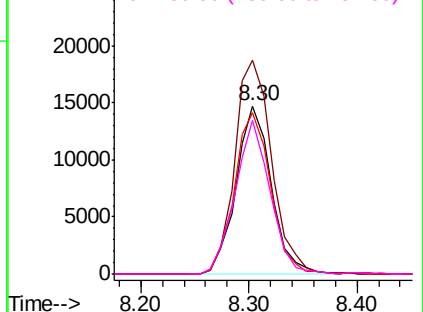
Abundance

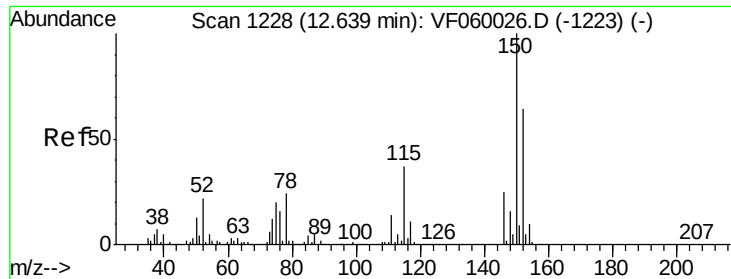
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060087.D

Acq: 24 Aug 2018 8:43

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-D1

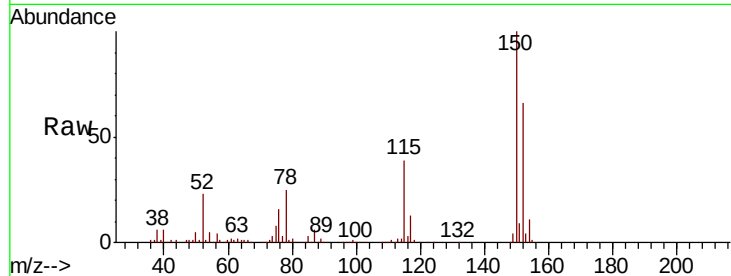
Tot Ion:152 Resp: 139032

Ion Ratio Lower Upper

152 100

115 58.3 28.6 85.9

150 150.5 0.0 312.0



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

