

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062902.D
 Acq On : 7 Jun 2019 17:11
 Operator : FY/SY
 Sample : K3163-05RE
 Misc : 6.29g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-04-060719-ARE

Quant Time: Jun 08 01:26:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

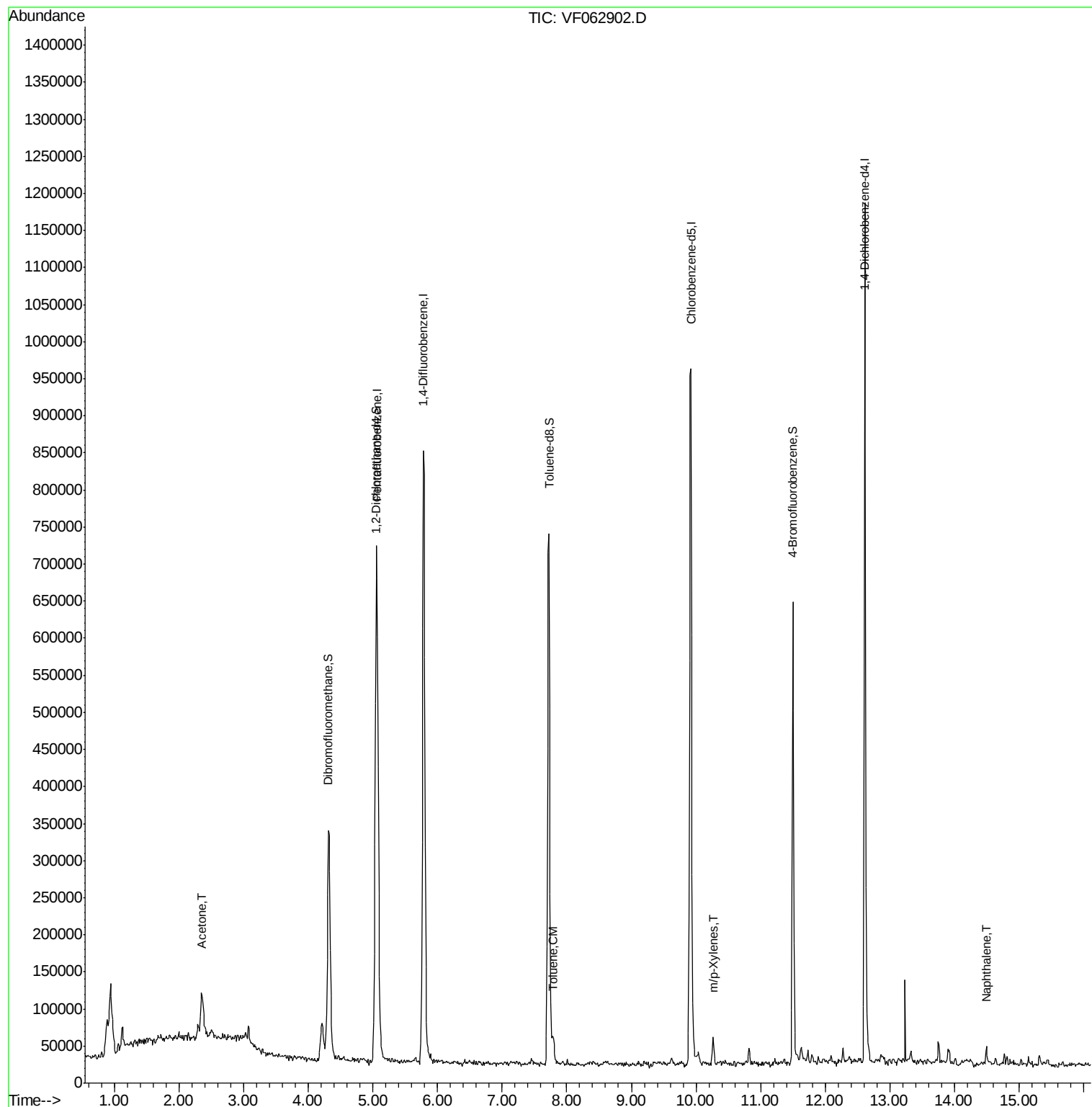
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	609157	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.79	114	1056739	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	739785	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	289478	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	194798	46.24	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.48%	
35) Dibromofluoromethane	4.31	113	311706	39.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	78.08%	
50) Toluene-d8	7.72	98	657772	32.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	65.14%	
62) 4-Bromofluorobenzene	11.50	95	230016	31.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	63.34%	
Target Compounds						
16) Acetone	2.36	43	86745	89.974	ug/l	100
52) Toluene	7.79	92	18539	1.216	ug/l	77
68) m/p-Xylenes	10.27	106	14126	1.506	ug/l	77
95) Naphthalene	14.50	128	11562	1.307	ug/l	98

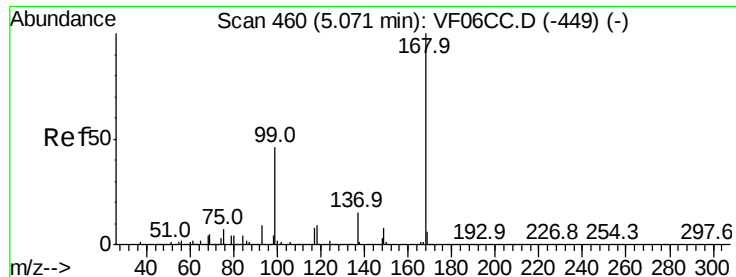
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

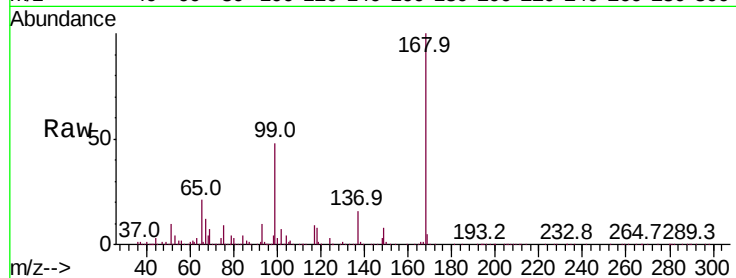
Instrument :
MSVOA_F
ClientSampleId :
SU-04-060719-ARE

Tot Ion:168 Resp: 609157

Ion Ratio Lower Upper

168 100

99 48.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.06

200000

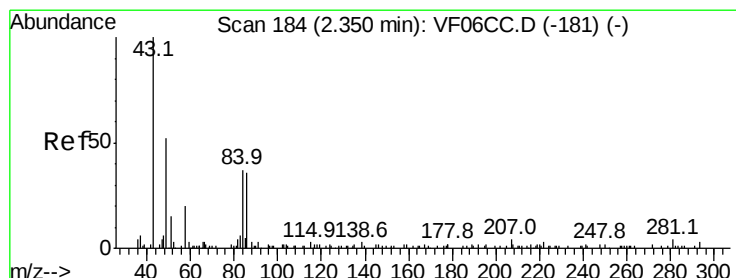
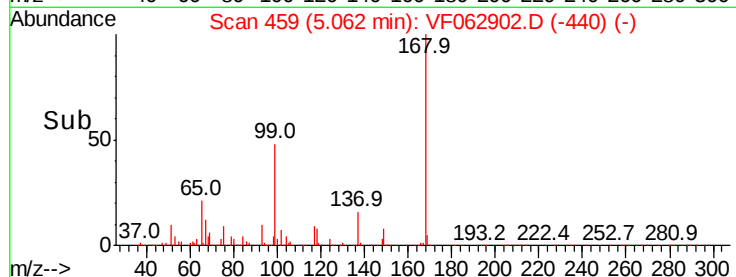
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 89.974 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062902.D

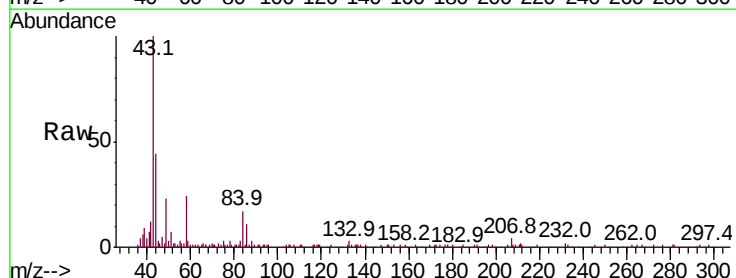
Acq: 7 Jun 2019 17:11

Tgt Ion: 43 Resp: 86745

Ion Ratio Lower Upper

43 100

58 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

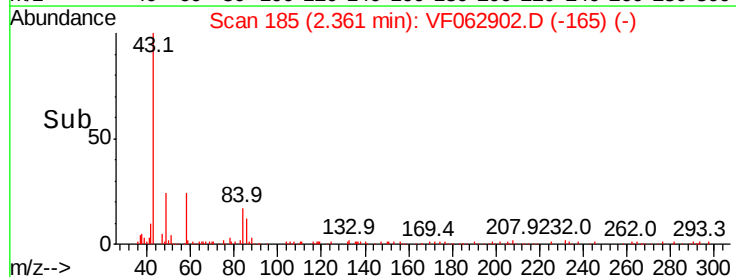
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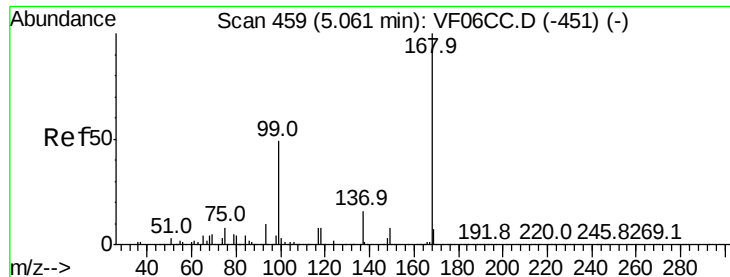
20000

10000

0

Time-->

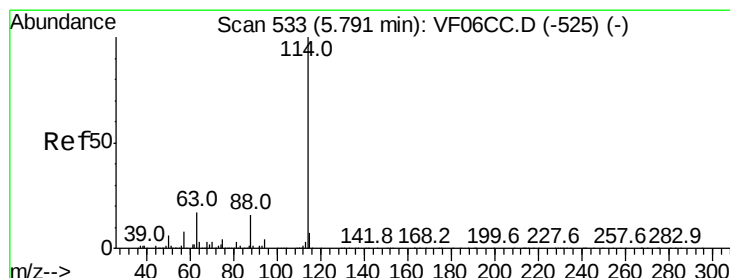
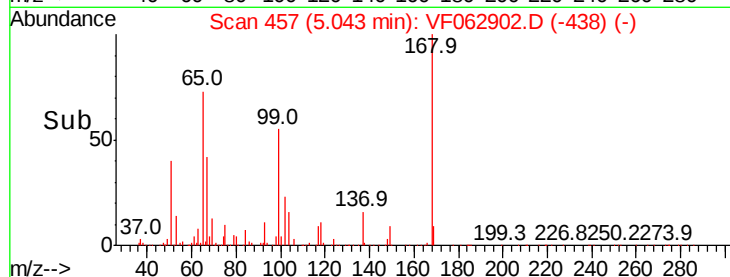
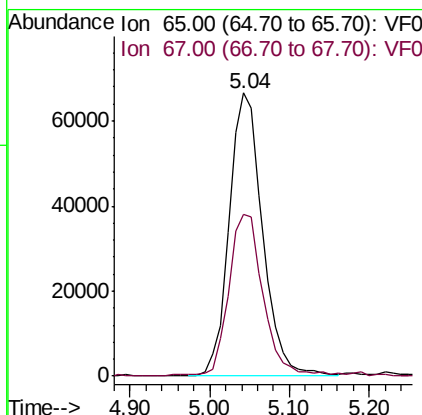
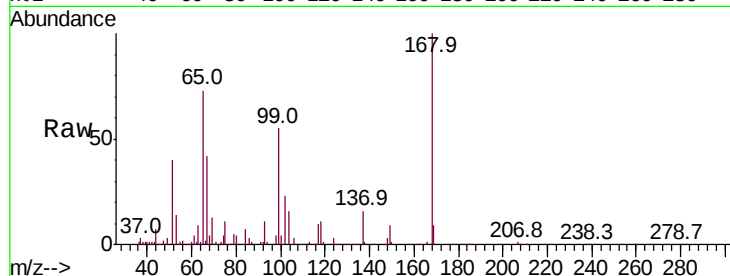




#33
 1,2-Dichloroethane-d4
 Concen: 46.244 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF062902.D
 Acq: 7 Jun 2019 17:11

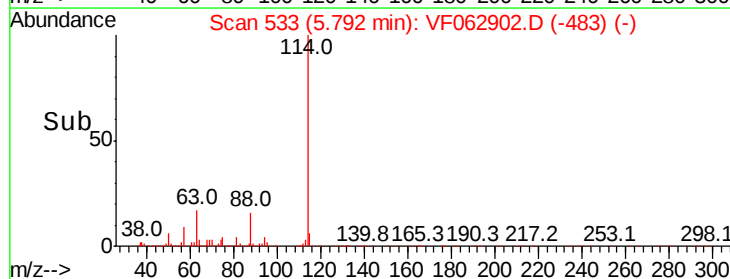
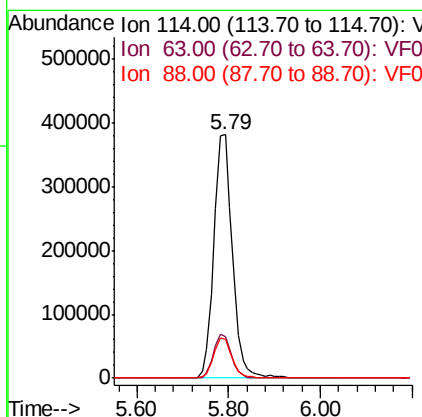
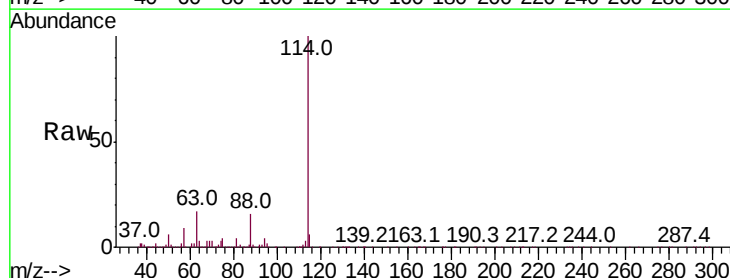
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-04-060719-ARE

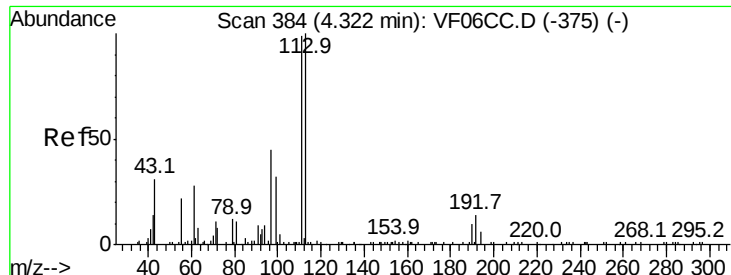
Tot Ion: 65 Resp: 194798
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062902.D
 Acq: 7 Jun 2019 17:11

Tgt Ion: 114 Resp: 1056739
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 34.2
 88 16.1 0.0 31.2

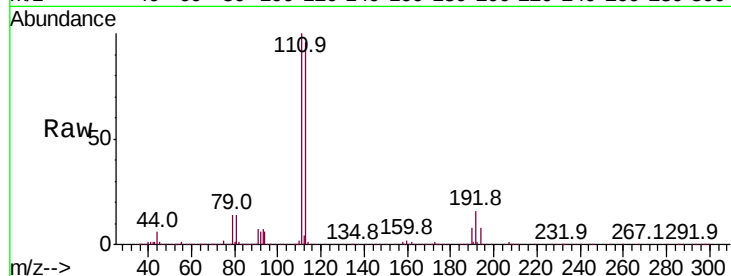




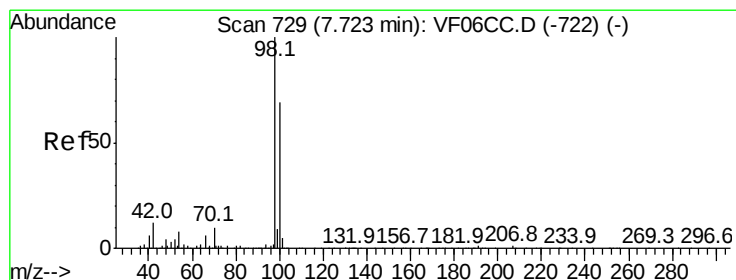
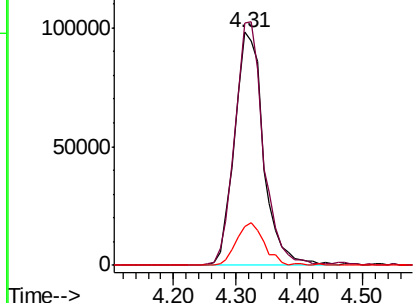
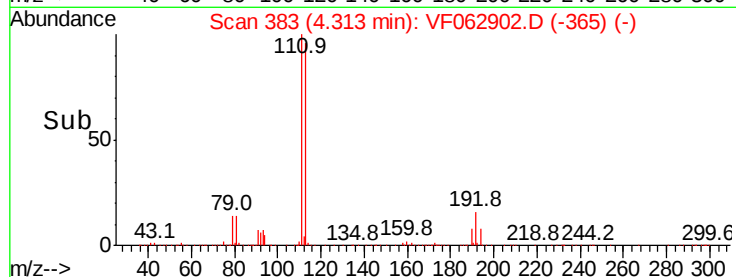
#35
Dibromofluoromethane
Concen: 39.035 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
SU-04-060719-ARE

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	16.9	15.1	22.7

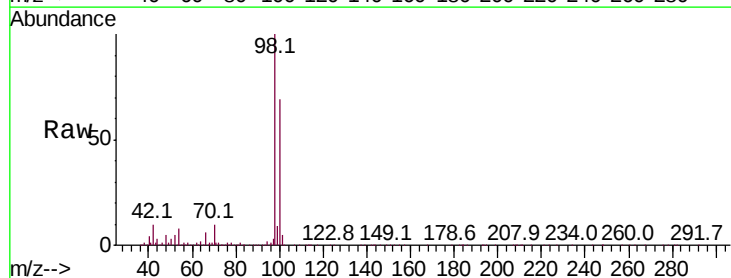


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

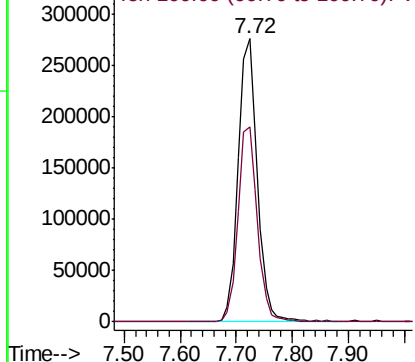
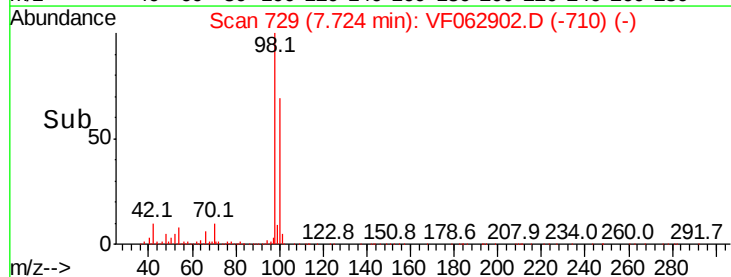


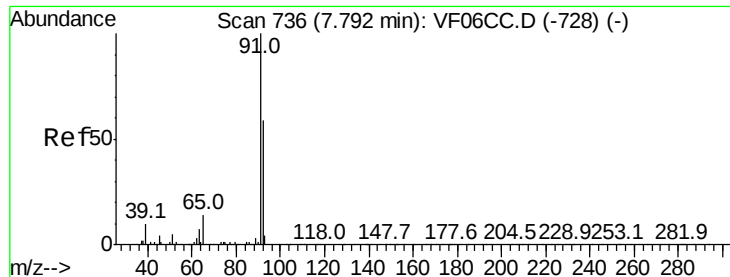
#50
Toluene-d8
Concen: 32.574 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	59.8	89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 1.216 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

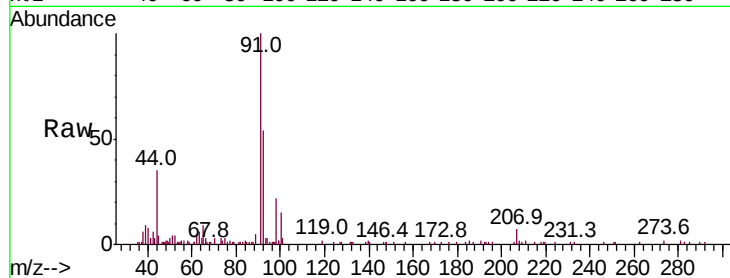
SU-04-060719-ARE

Tot Ion: 92 Resp: 18539

Ion Ratio Lower Upper

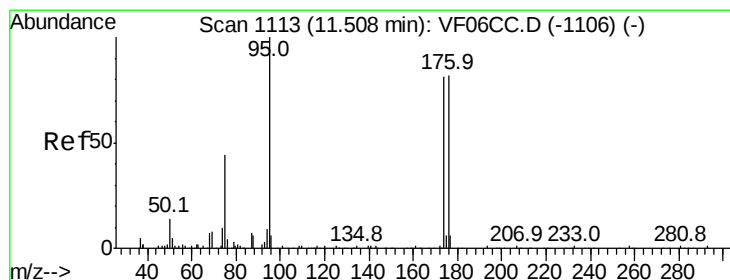
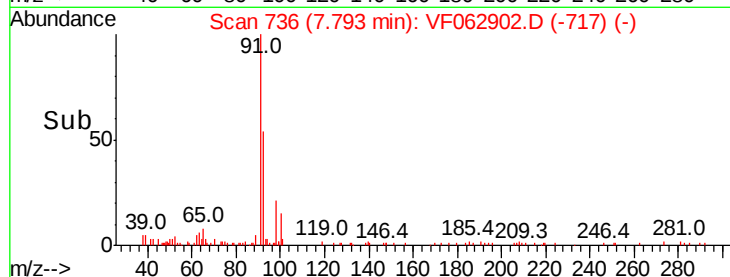
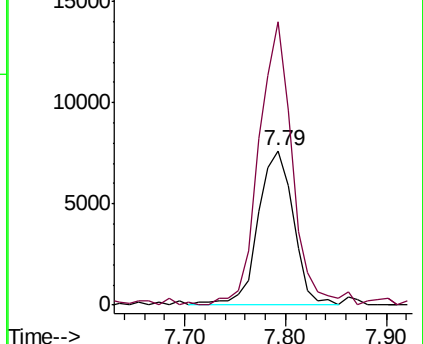
92 100

91 183.6 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 31.667 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

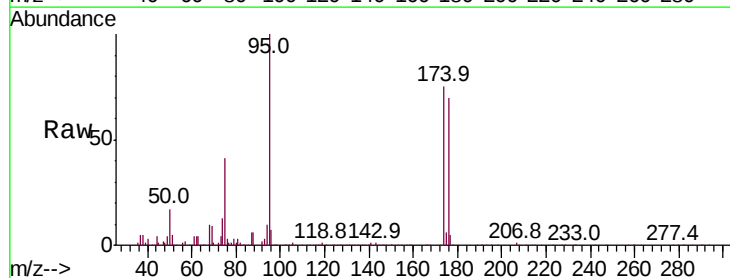
Tgt Ion: 95 Resp: 230016

Ion Ratio Lower Upper

95 100

174 75.4 0.0 170.6

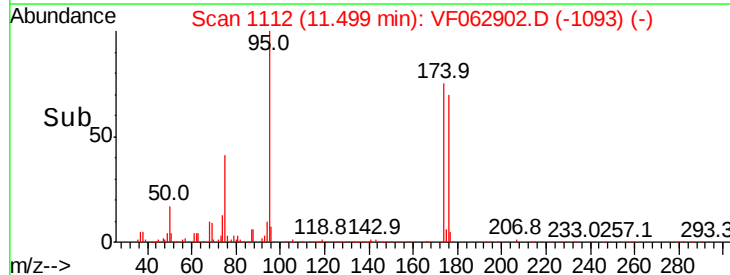
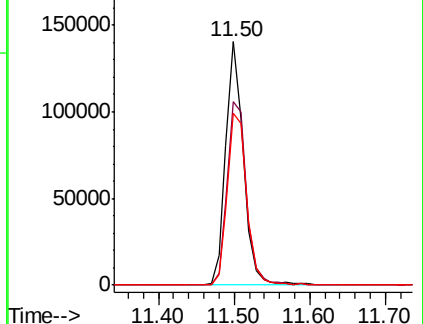
176 70.5 0.0 170.6

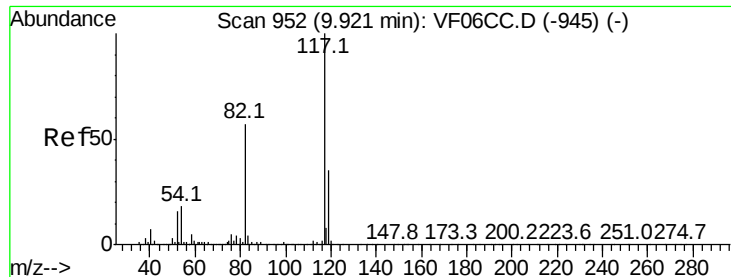


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

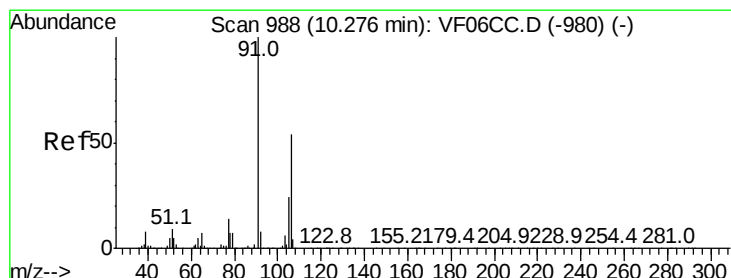
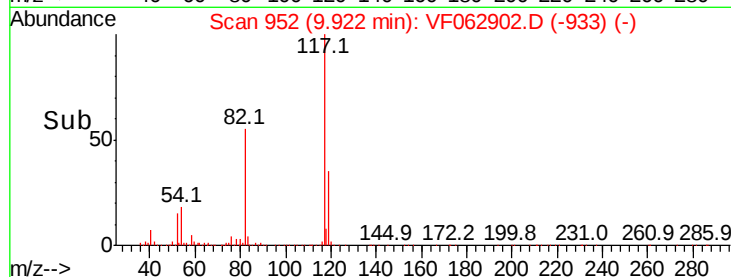
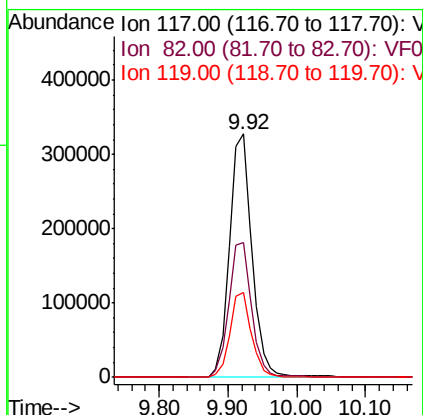
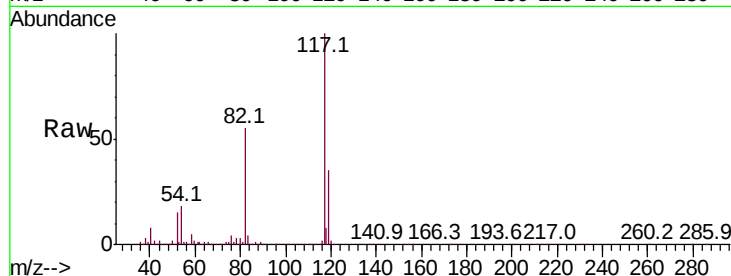




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

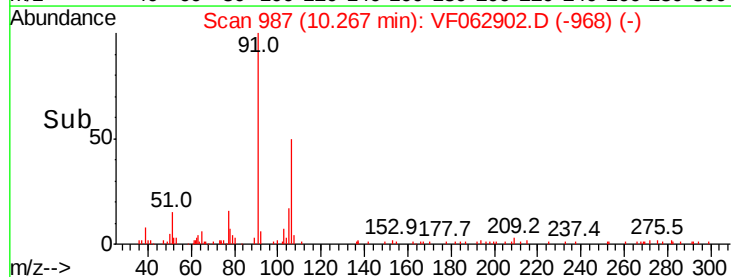
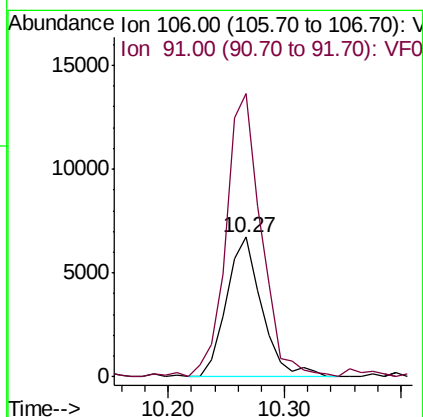
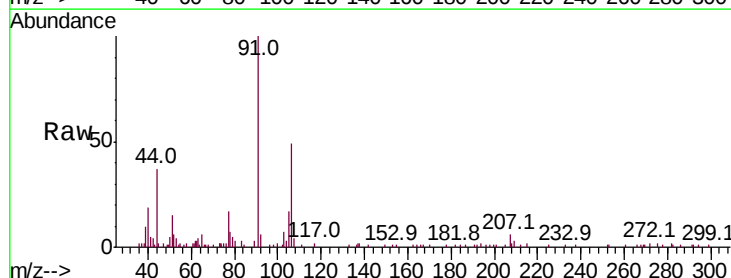
Instrument :
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SU-04-060719-ARE

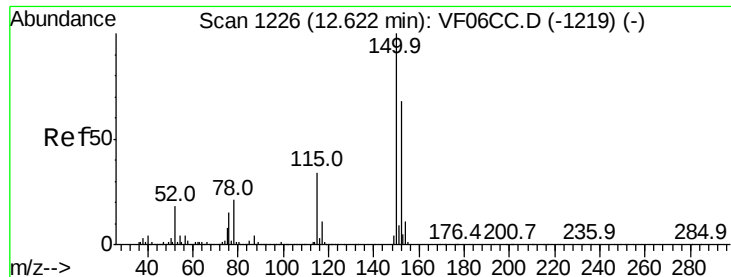
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.4	63.6
119	34.9	27.1	40.7



#68
m/p-Xylenes
Concen: 1.506 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.3	136.2	204.4



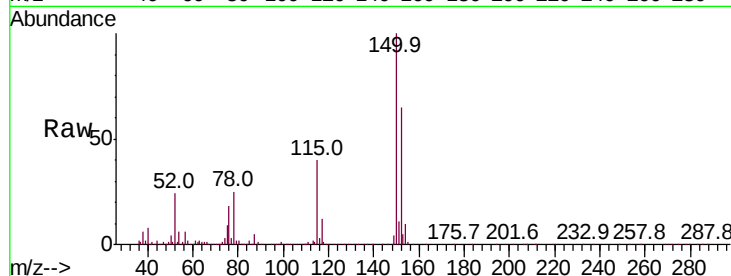


#72

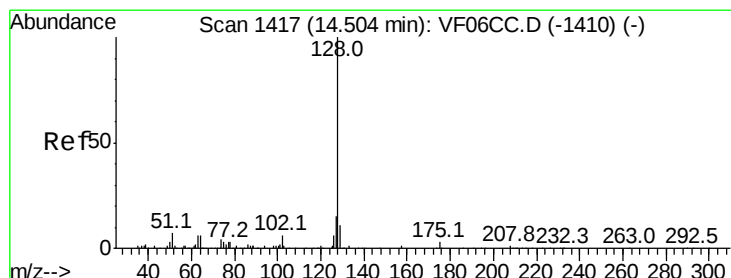
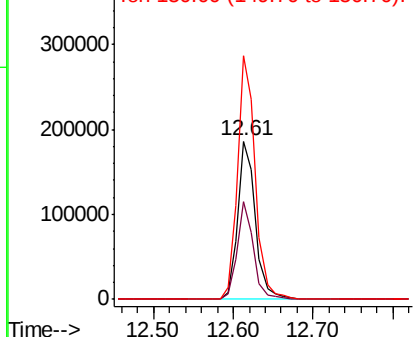
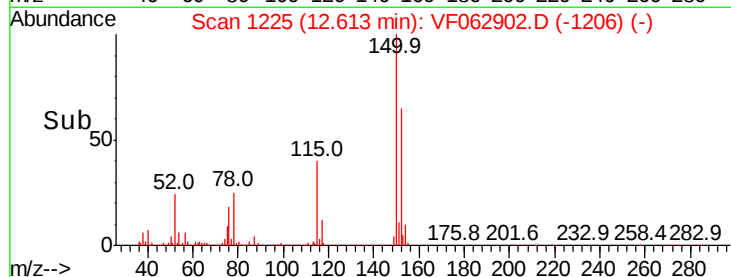
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
SU-04-060719-ARE

Tot Ion:152 Resp: 289478
Ion Ratio Lower Upper
152 100
115 61.6 24.6 74.0
150 154.0 0.0 290.6



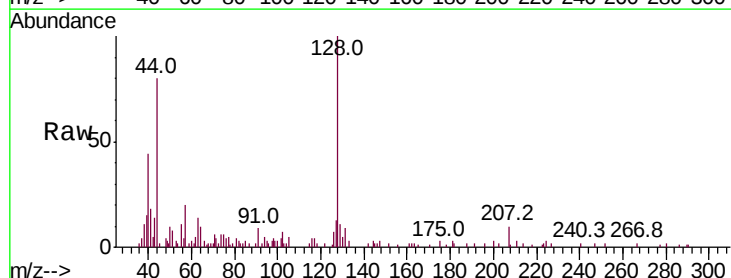
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 1.307 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion:128 Resp: 11562
Ion Ratio Lower Upper
128 100
127 13.5 9.7 14.5
129 11.3 9.4 14.2



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

