

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061173.D
 Acq On : 24 Dec 2018 19:02
 Operator : VA/AP
 Sample : J6389-12
 Misc : 6.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS014-1824-01

Quant Time: Dec 25 06:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

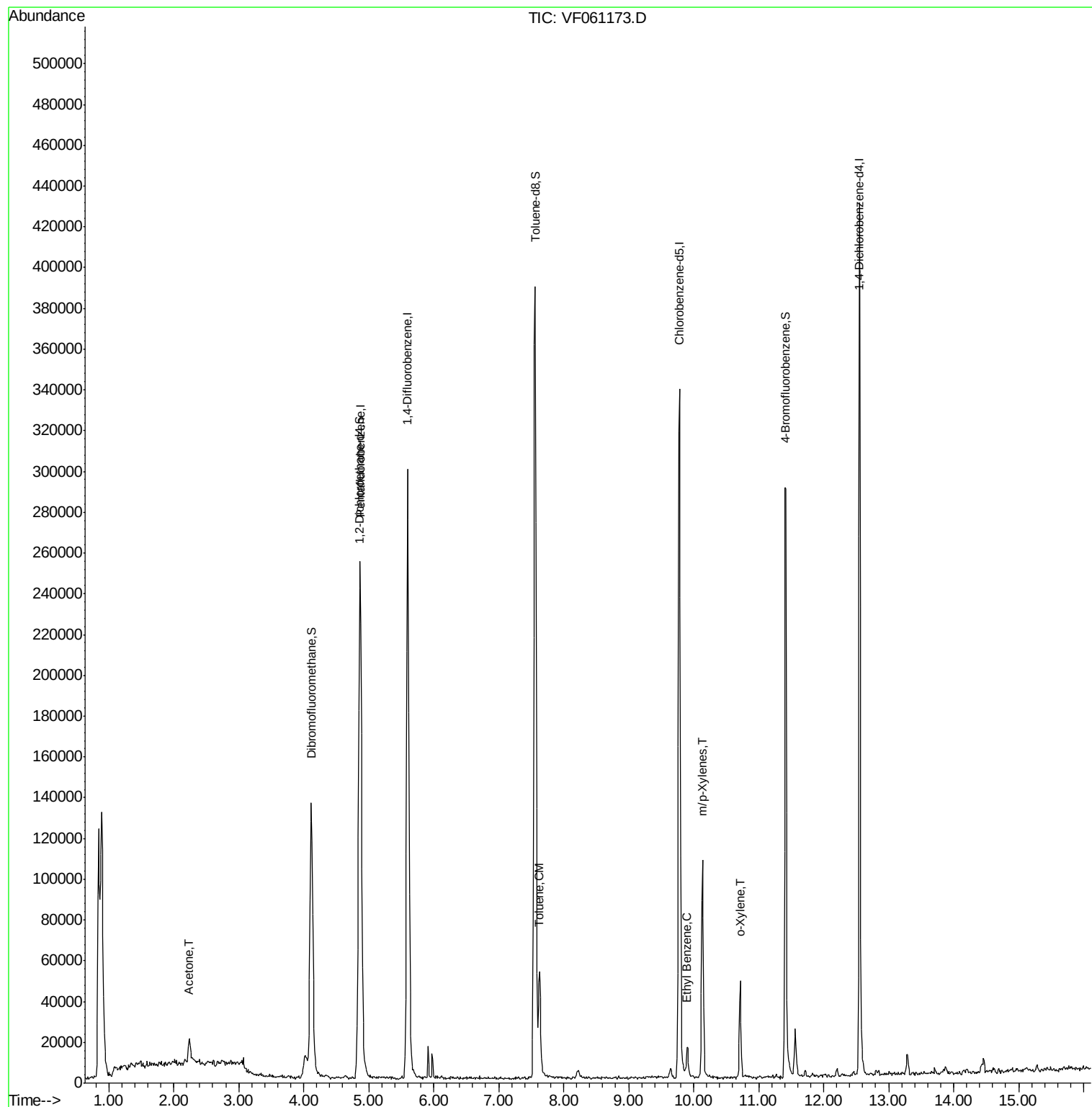
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	186466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	322952	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	251987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	101581	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	102097	42.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.14%	
35) Dibromofluoromethane	4.12	113	130024	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
50) Toluene-d8	7.56	98	325527	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
62) 4-Bromofluorobenzene	11.41	95	120768	35.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.46%	
Target Compounds						
16) Acetone	2.23	43	21778	45.424	ug/l #	85
52) Toluene	7.63	92	27267	4.914	ug/l	96
67) Ethyl Benzene	9.91	91	11658	1.229	ug/l	95
68) m/p-Xylenes	10.14	106	35713	10.700	ug/l	86
69) o-Xylene	10.72	106	14308	3.865	ug/l	77

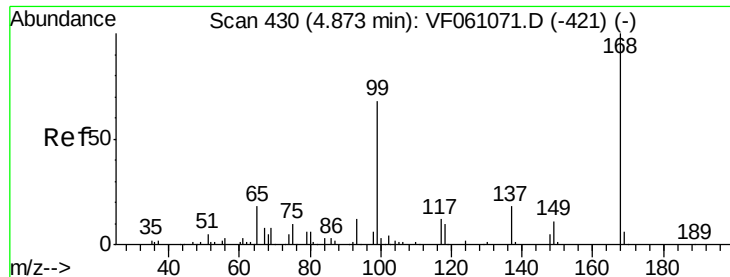
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061173.D

Acq: 24 Dec 2018 19:02

Instrument :

MSVOA_F

ClientSampleId :

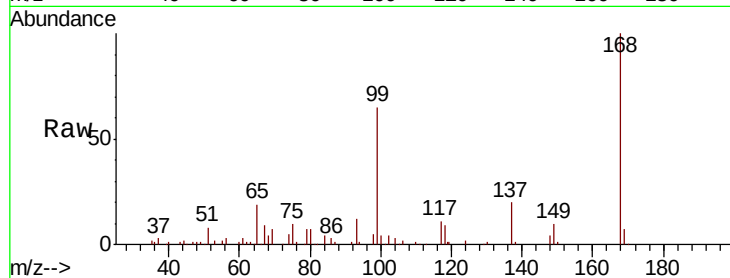
P001-SS014-1824-01

Tot Ion:168 Resp: 186466

Ion Ratio Lower Upper

168 100

99 65.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

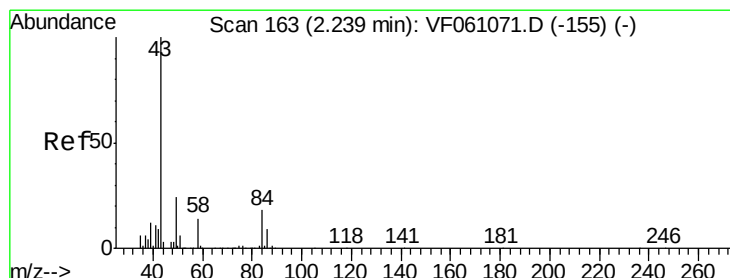
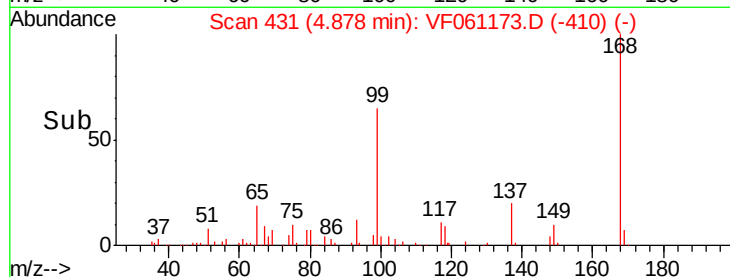
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 45.424 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061173.D

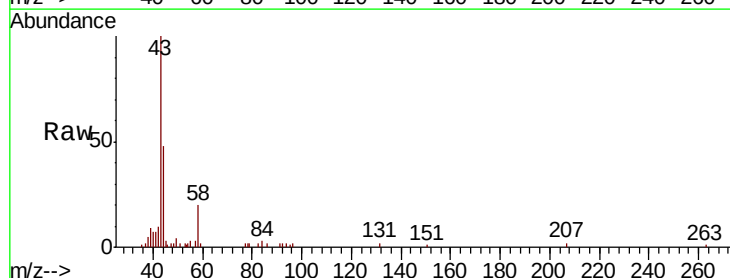
Acq: 24 Dec 2018 19:02

Tgt Ion: 43 Resp: 21778

Ion Ratio Lower Upper

43 100

58 19.9 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

8000

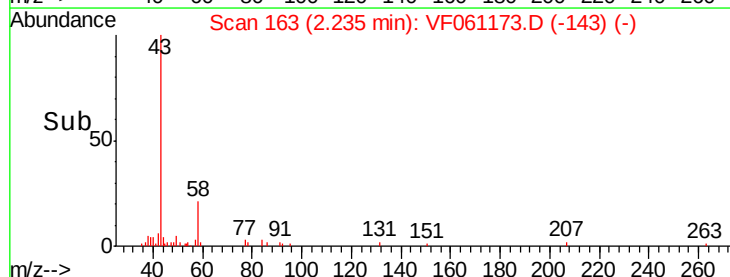
6000

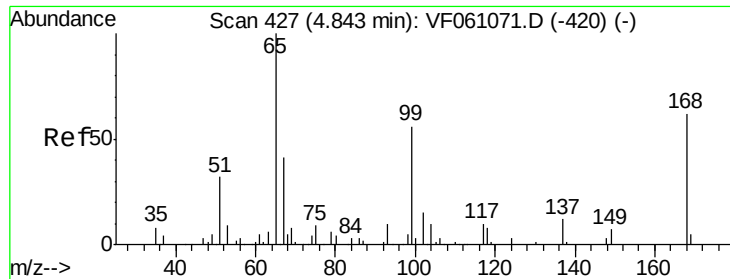
4000

2000

0

Time--> 2.10 2.20 2.30

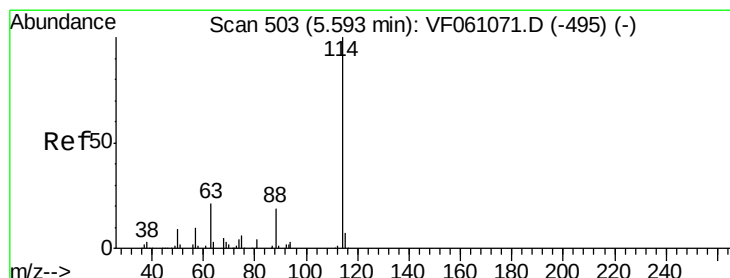
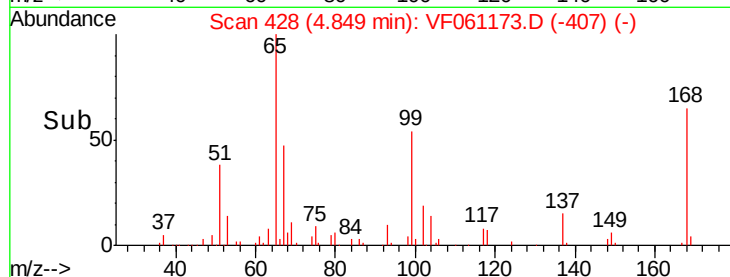
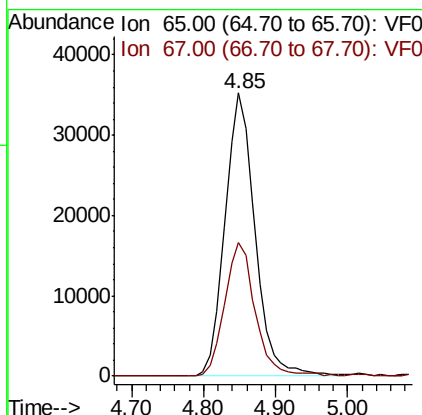
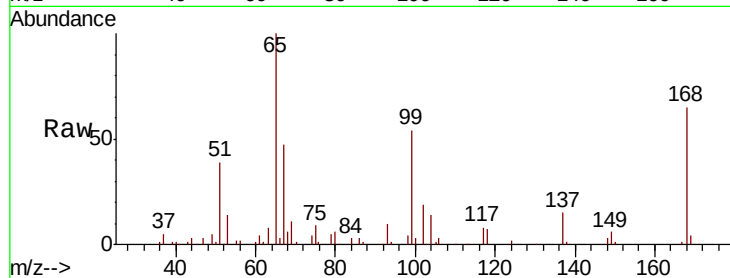




#33
 1,2-Dichloroethane-d4
 Concen: 42.571 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061173.D
 Acq: 24 Dec 2018 19:02

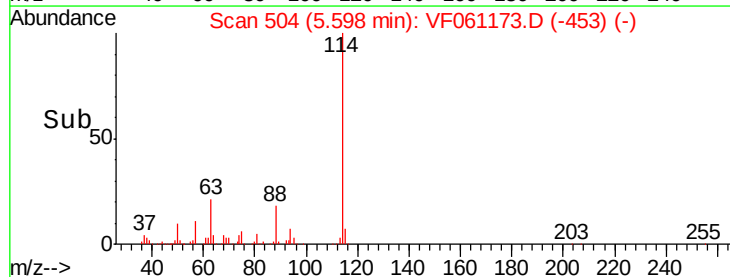
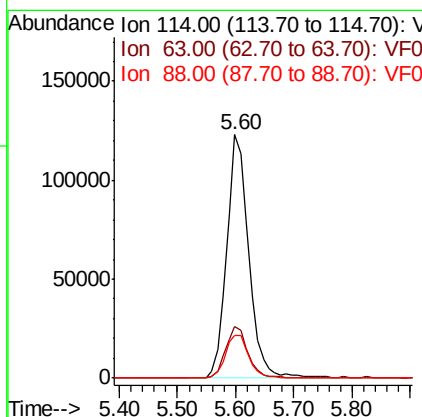
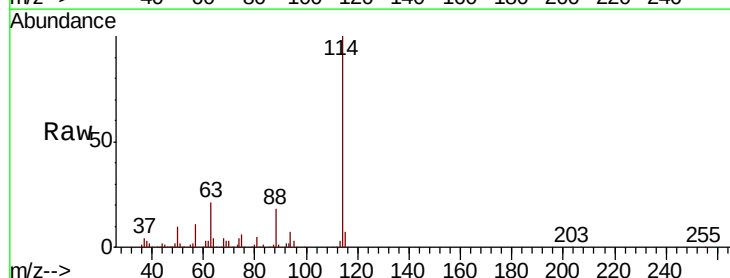
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS014-1824-01

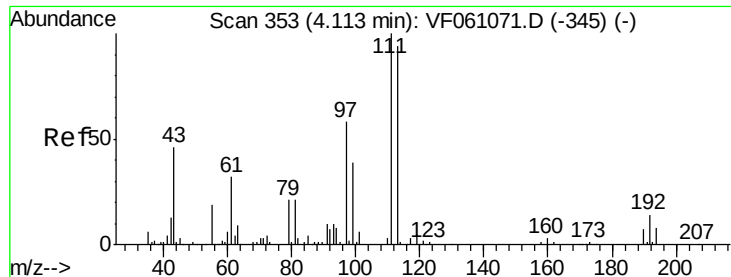
Tot Ion: 65 Resp: 102097
 Ion Ratio Lower Upper
 65 100
 67 47.4 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061173.D
 Acq: 24 Dec 2018 19:02

Tgt Ion: 114 Resp: 322952
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.6
 88 17.7 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.260 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061173.D

Acq: 24 Dec 2018 19:02

Instrument :

MSVOA_F

ClientSampleId :

P001-SS014-1824-01

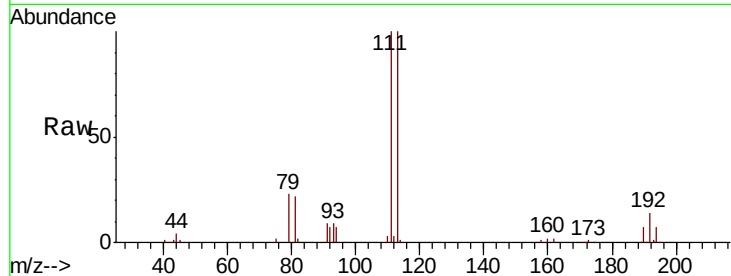
Tot Ion:113 Resp: 130024

Ion Ratio Lower Upper

113 100

111 99.7 85.2 127.8

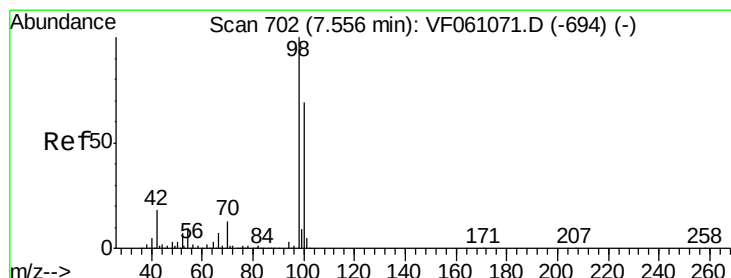
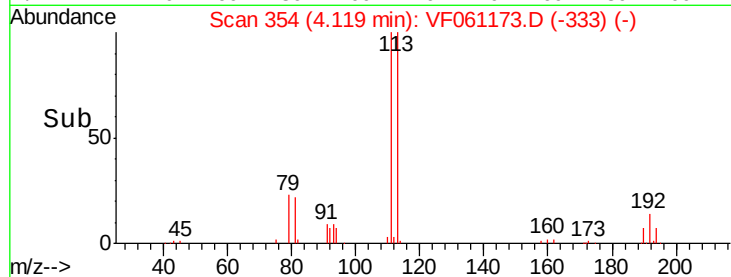
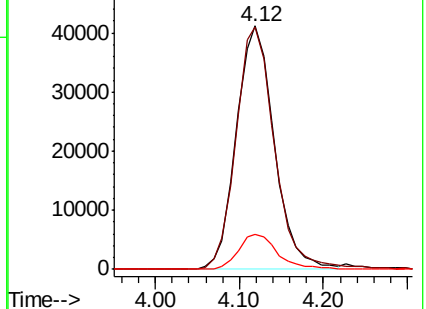
192 14.2 12.8 19.2



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: 44.402 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061173.D

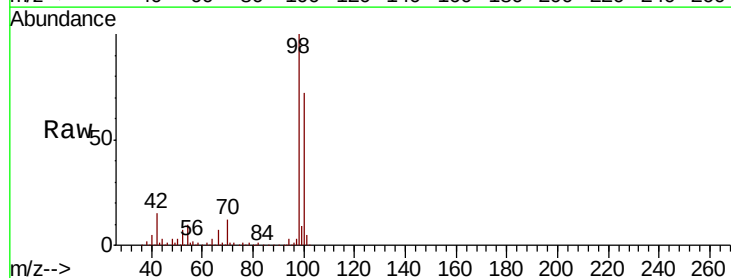
Acq: 24 Dec 2018 19:02

Tgt Ion: 98 Resp: 325527

Ion Ratio Lower Upper

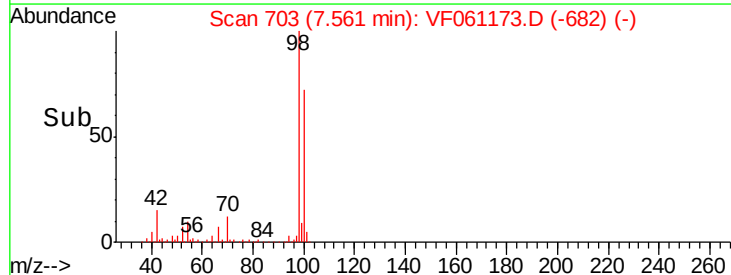
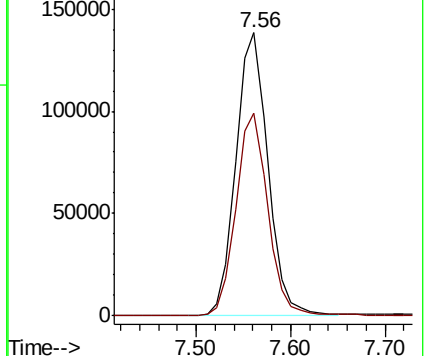
98 100

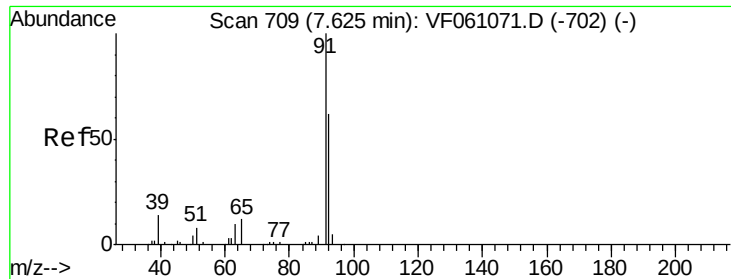
100 71.5 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 4.914 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061173.D

Acq: 24 Dec 2018 19:02

Instrument :

MSVOA_F

ClientSampleId :

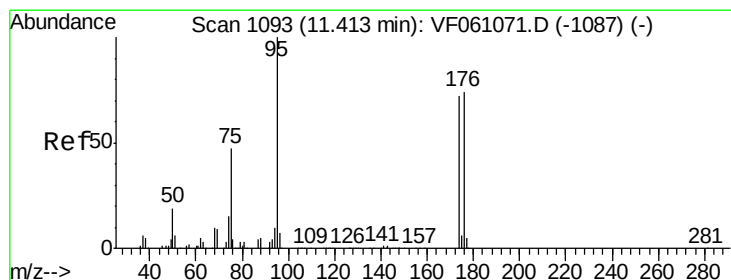
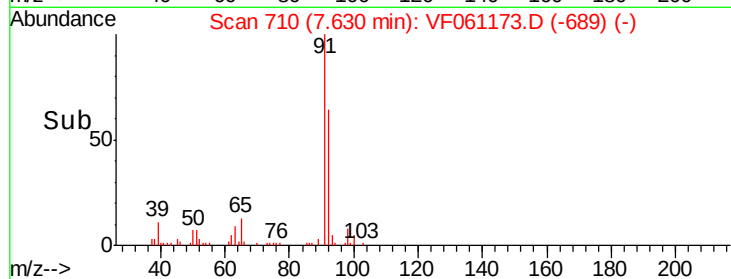
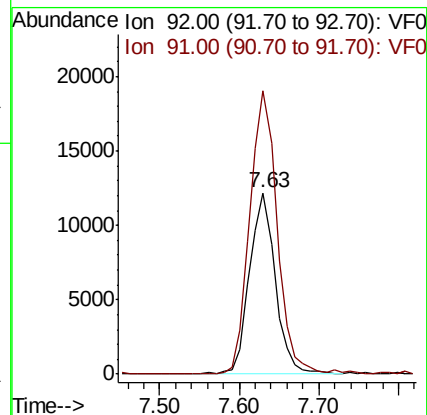
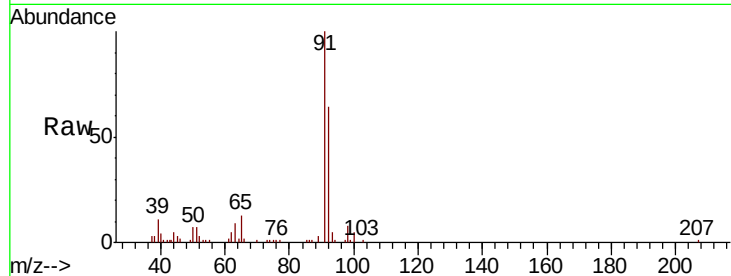
P001-SS014-1824-01

Tot Ion: 92 Resp: 27267

Ion Ratio Lower Upper

92 100

91 156.0 128.8 193.2



#62

4-Bromofluorobenzene

Concen: 35.732 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061173.D

Acq: 24 Dec 2018 19:02

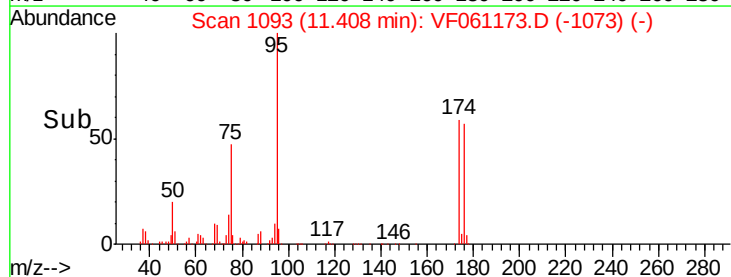
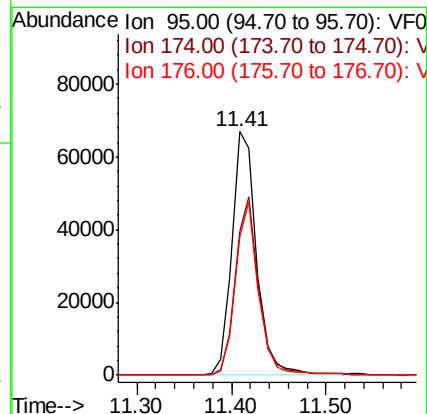
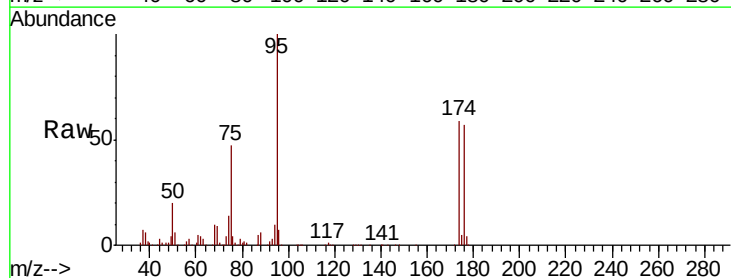
Tgt Ion: 95 Resp: 120768

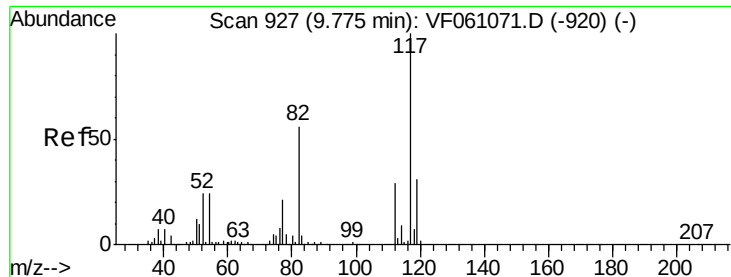
Ion Ratio Lower Upper

95 100

174 59.2 0.0 143.8

176 57.0 0.0 147.6

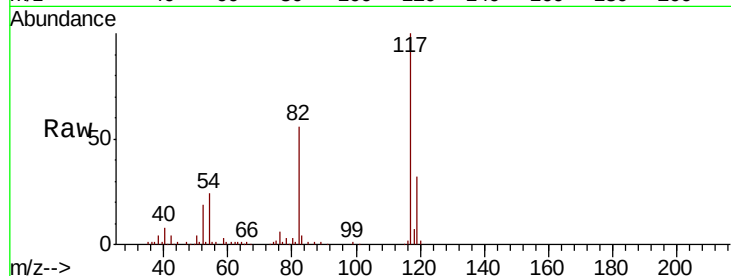




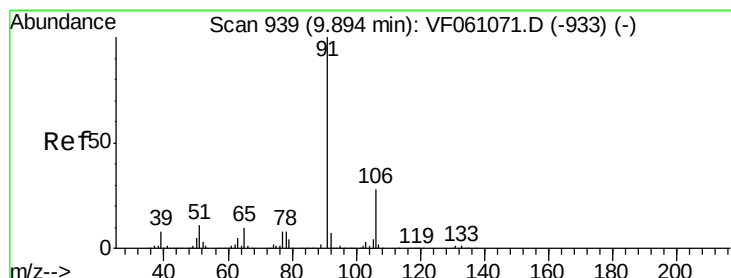
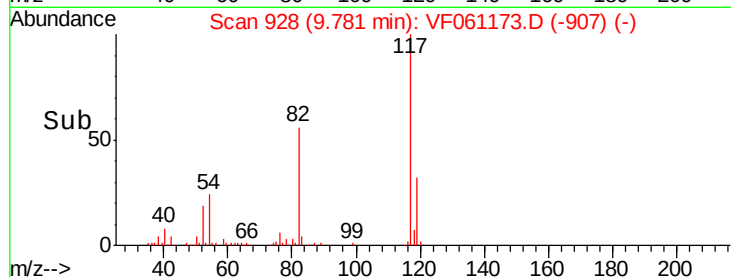
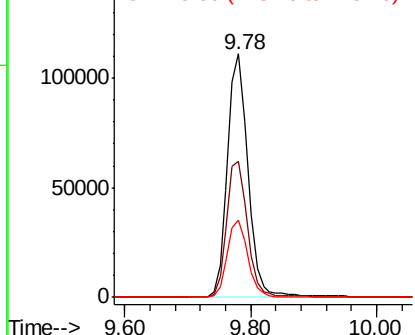
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061173.D
Acq: 24 Dec 2018 19:02

Instrument :
MSVOA_F
ClientSampleId :
P001-SS014-1824-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.0	67.4
119	31.8	24.8	37.2

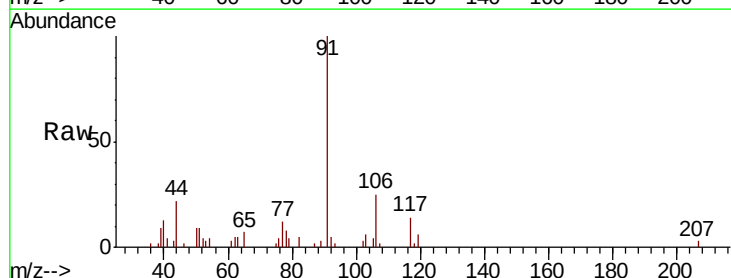


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

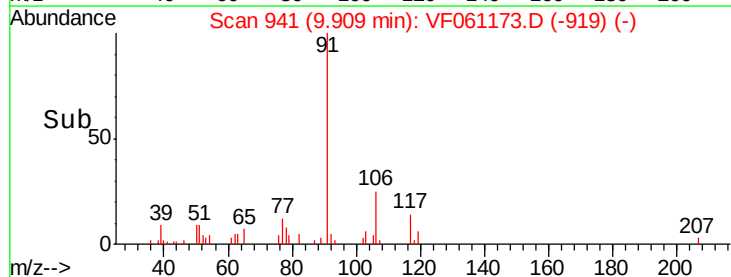
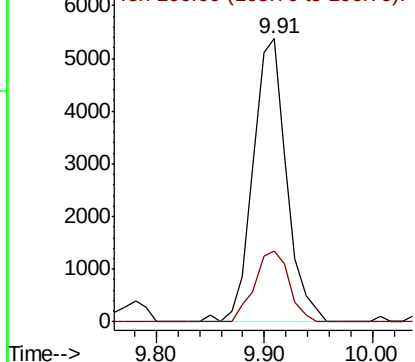


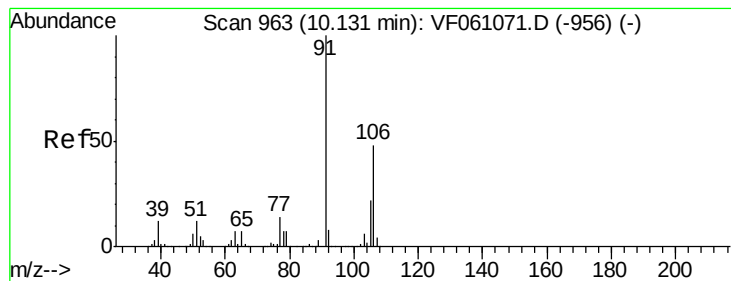
#67
Ethyl Benzene
Concen: 1.229 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF061173.D
Acq: 24 Dec 2018 19:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.3	22.5	33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 10.700 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061173.D

Acq: 24 Dec 2018 19:02

Instrument :

MSVOA_F

ClientSampleId :

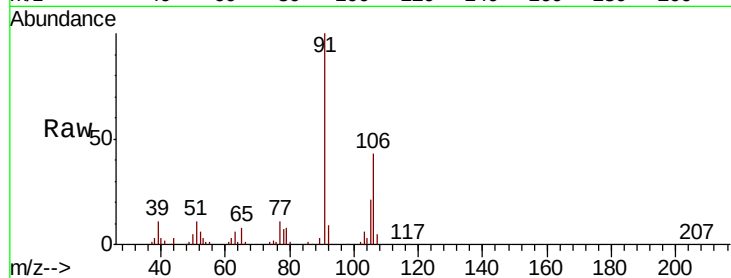
P001-SS014-1824-01

Tot Ion:106 Resp: 35713

Ion Ratio Lower Upper

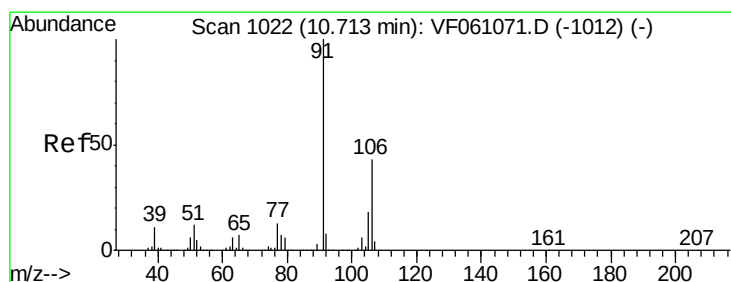
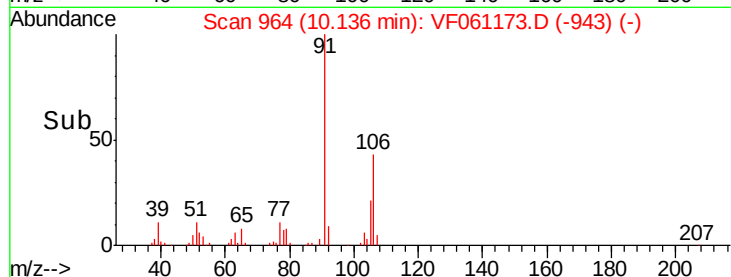
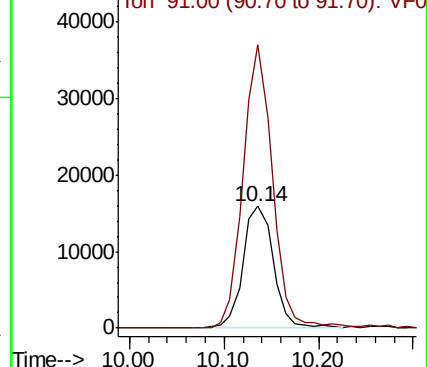
106 100

91 232.6 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 3.865 ug/l

RT: 10.72 min Scan# 1023

Delta R.T. 0.01 min

Lab File: VF061173.D

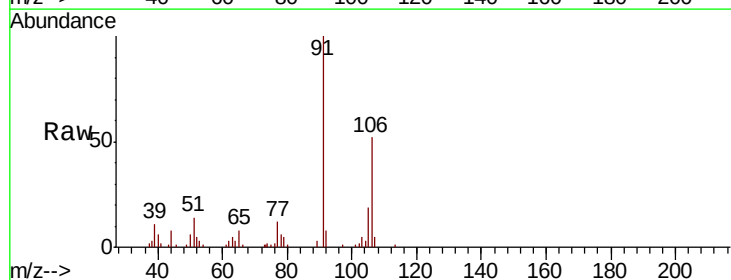
Acq: 24 Dec 2018 19:02

Tgt Ion:106 Resp: 14308

Ion Ratio Lower Upper

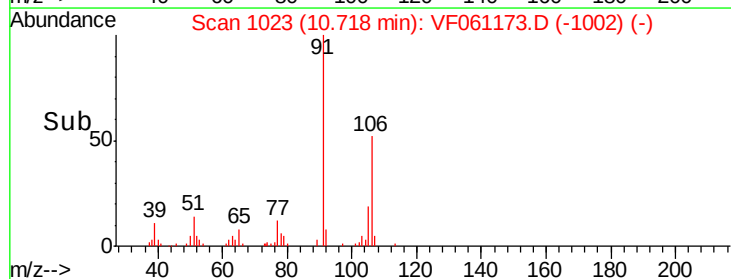
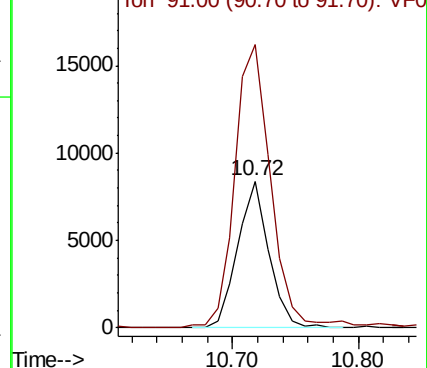
106 100

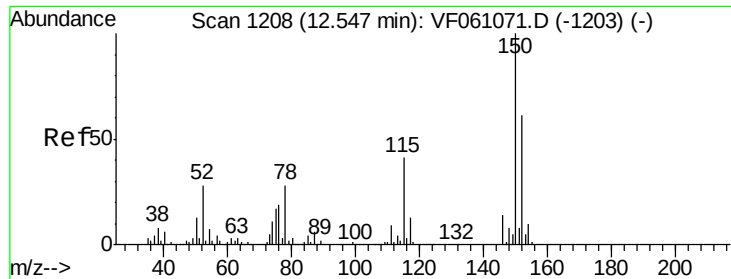
91 193.1 115.9 347.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061173.D

Acq: 24 Dec 2018 19:02

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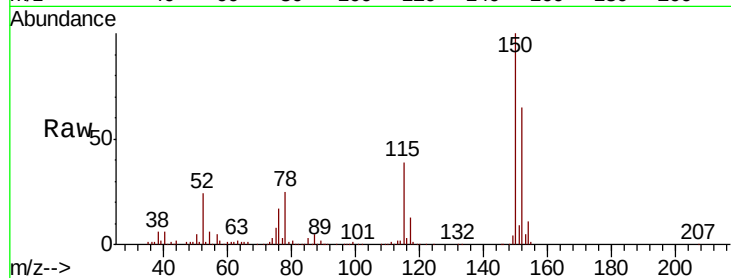
Tot Ion:152 Resp: 101581

Ion Ratio Lower Upper

152 100

115 59.8 33.3 99.9

150 153.1 0.0 328.2



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

