

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061024.D
 Acq On : 14 Dec 2018 17:10
 Operator : VA/AP
 Sample : J6403-25RE
 Misc : 4.95g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4-ARE

Quant Time: Dec 15 01:06:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

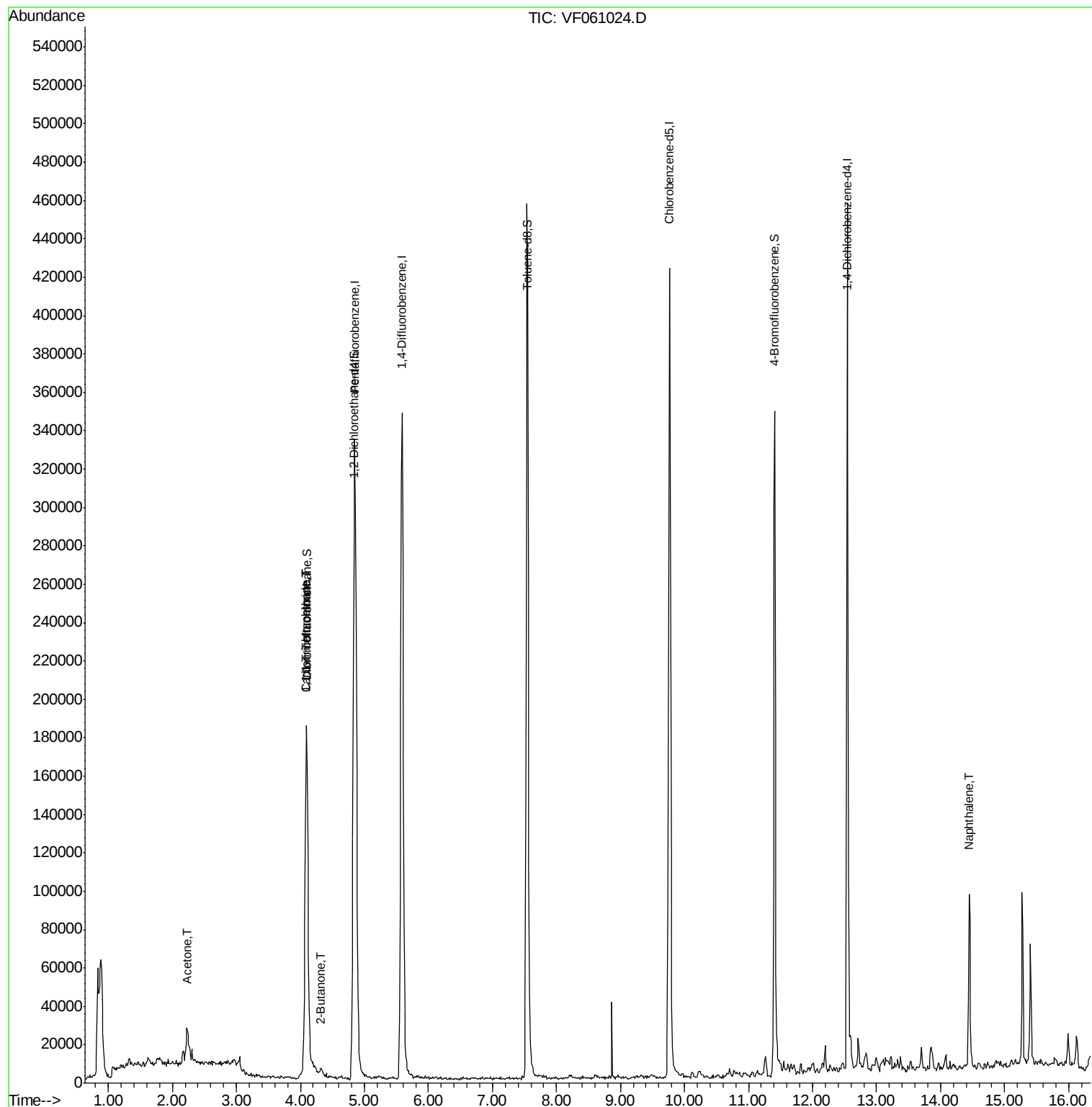
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	252301	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	385422	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	312854	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	113172	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	130321	43.85	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	87.70%	
35) Dibromofluoromethane	4.10	113	147888	48.37	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	7.54	98	383736	42.60	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	85.20%	
62) 4-Bromofluorobenzene	11.41	95	137300	33.54	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	67.08%	
Target Compounds						
16) Acetone	2.22	43	23913	43.630	ug/l	# 92
25) 2-Butanone	4.33	43	5945	6.271	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	47320	10.994	ug/l	98
38) Carbon Tetrachloride	4.08	117	5357	1.419	ug/l	94
95) Naphthalene	14.45	128	67618	11.417	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

Instrument :

MSVOA_F

ClientSampleId :

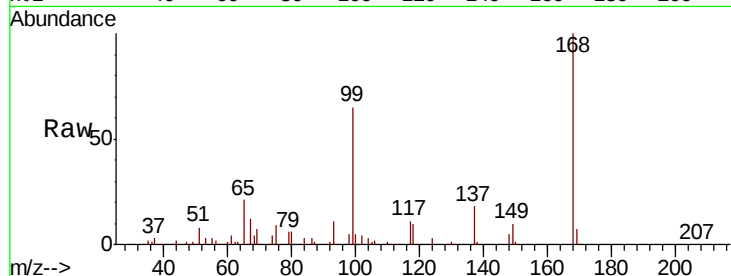
TP-4-ARE

Tgt Ion:168 Resp: 252301

Ion Ratio Lower Upper

168 100

99 65.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

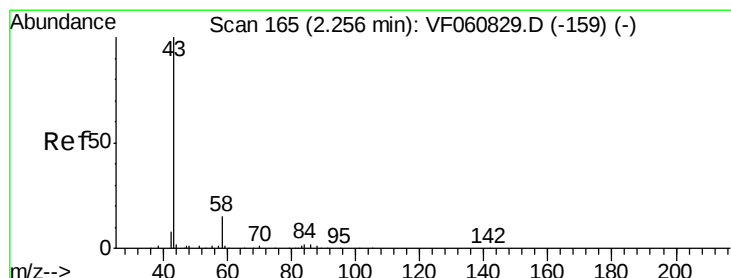
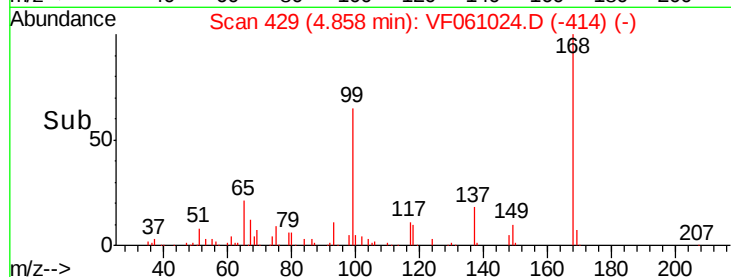
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 43.630 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF061024.D

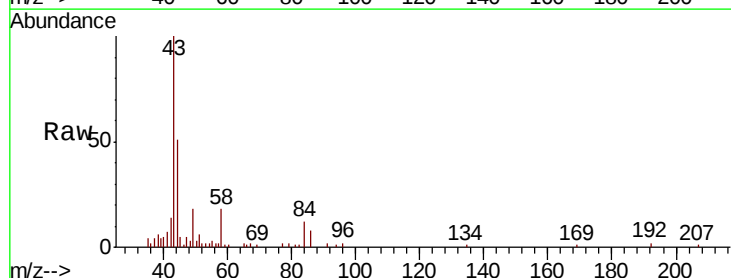
Acq: 14 Dec 2018 17:10

Tgt Ion: 43 Resp: 23913

Ion Ratio Lower Upper

43 100

58 17.7 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.22

10000

8000

6000

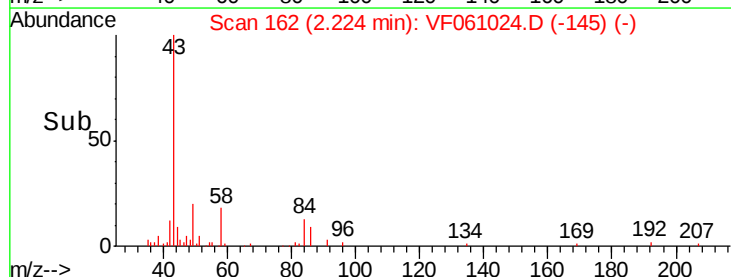
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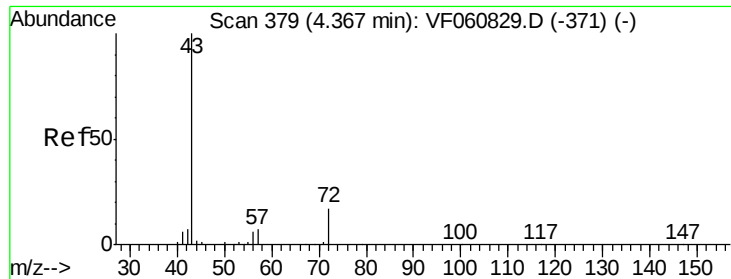
2000

0

Time-->

2.15 2.20 2.25 2.30

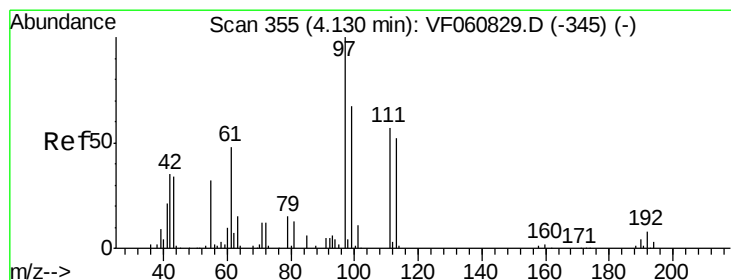
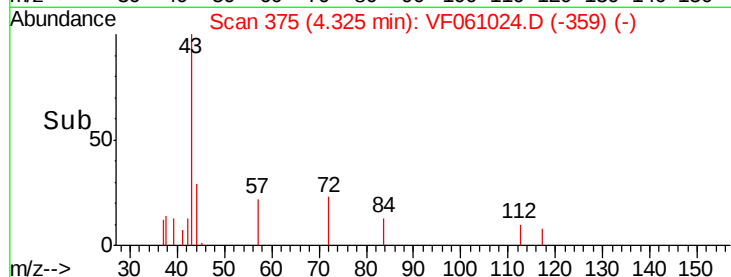
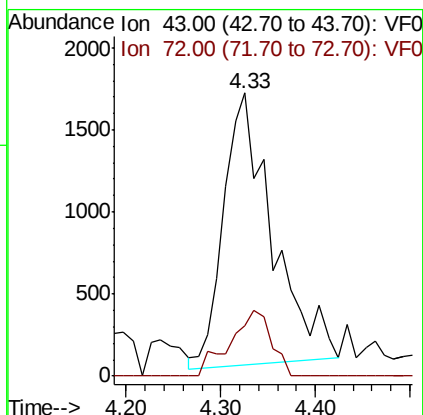
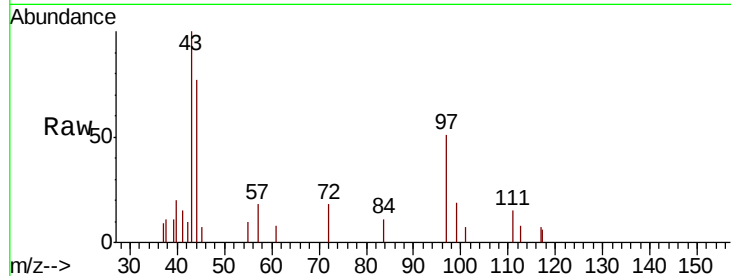




#25
2-Butanone
Concen: 6.271 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF061024.D
Acq: 14 Dec 2018 17:10

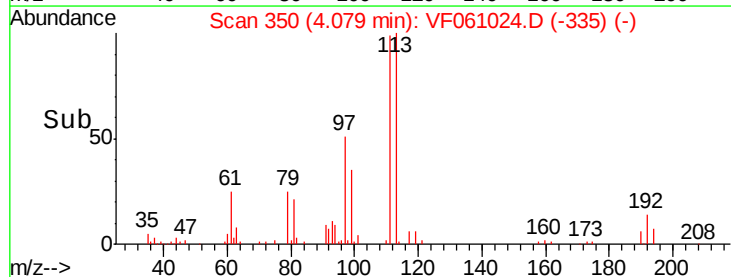
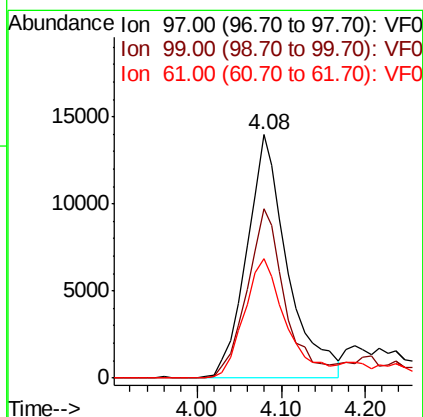
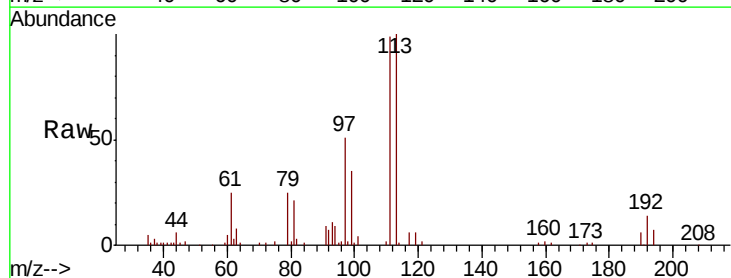
Instrument :
MSVOA_F
ClientSampleId :
TP-4-ARE

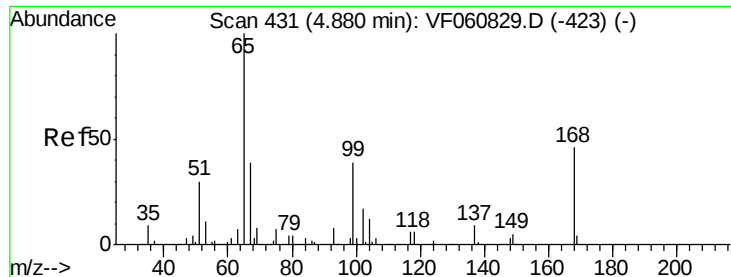
Tgt Ion: 43 Resp: 5945
Ion Ratio Lower Upper
43 100
72 17.9 15.4 23.2



#32
1,1,1-Trichloroethane
Concen: 10.994 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.05 min
Lab File: VF061024.D
Acq: 14 Dec 2018 17:10

Tgt Ion: 97 Resp: 47320
Ion Ratio Lower Upper
97 100
99 69.4 53.5 80.3
61 49.2 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 43.847 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

Instrument :

MSVOA_F

ClientSampleId :

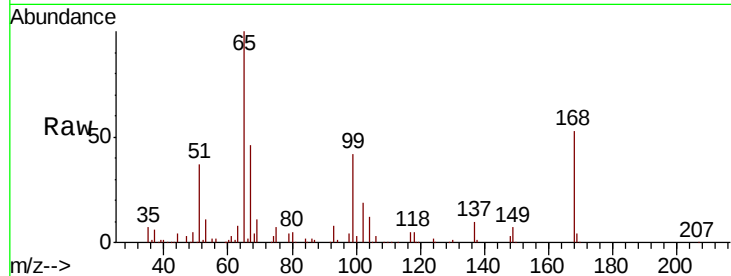
TP-4-ARE

Tgt Ion: 65 Resp: 130321

Ion Ratio Lower Upper

65 100

67 46.1 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.83

50000

40000

30000

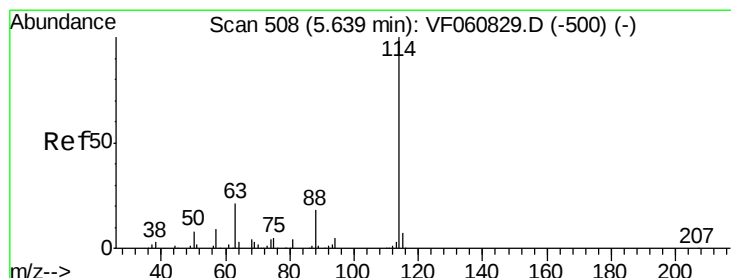
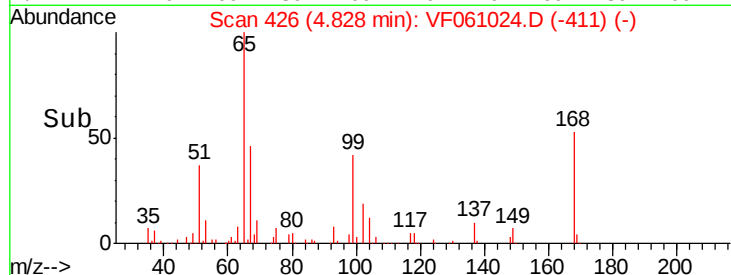
20000

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. -0.05 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

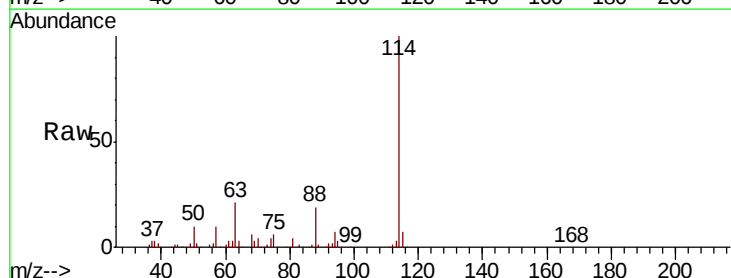
Tgt Ion: 114 Resp: 385422

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.6

88 18.7 0.0 36.6



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

5.59

150000

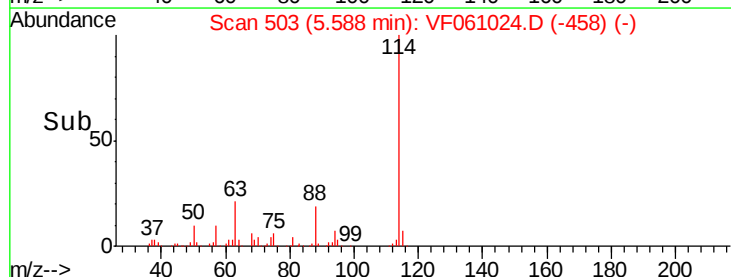
100000

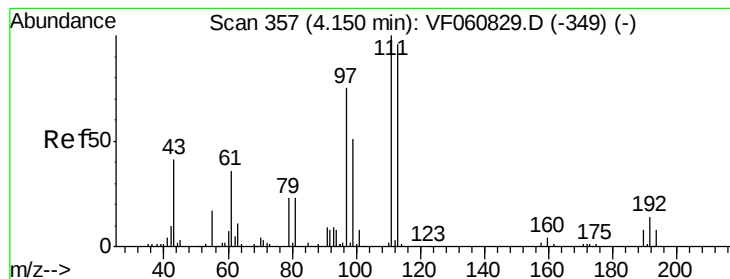
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 48.367 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

Instrument :

MSVOA_F

ClientSampleId :

TP-4-ARE

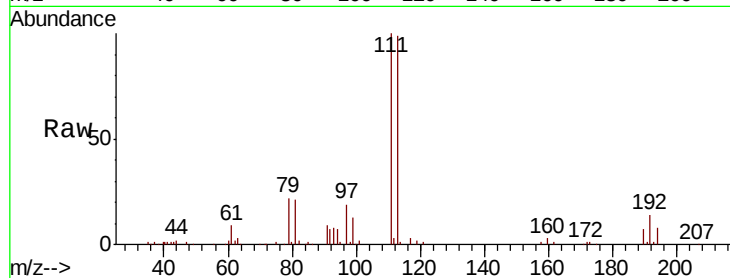
Tgt Ion:113 Resp: 147888

Ion Ratio Lower Upper

113 100

111 100.6 83.0 124.6

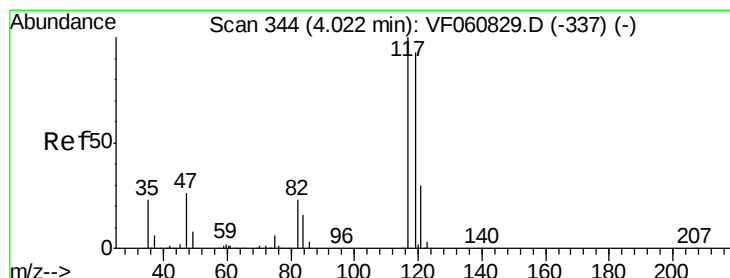
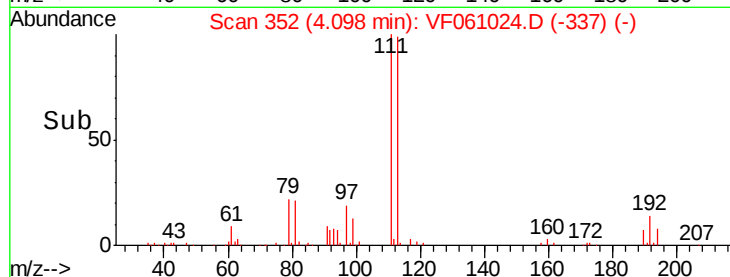
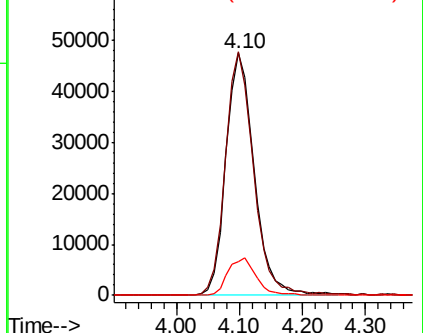
192 13.7 12.3 18.5



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



#38

Carbon Tetrachloride

Concen: 1.419 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.06 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

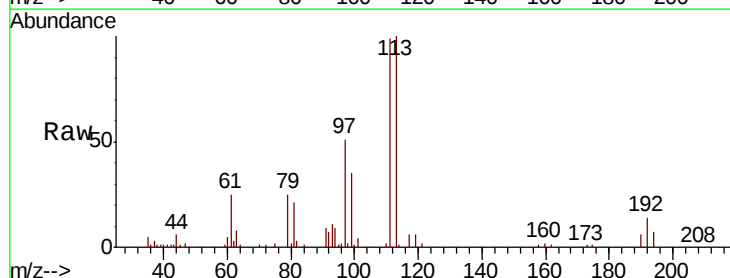
Tgt Ion:117 Resp: 5357

Ion Ratio Lower Upper

117 100

119 87.7 74.4 111.6

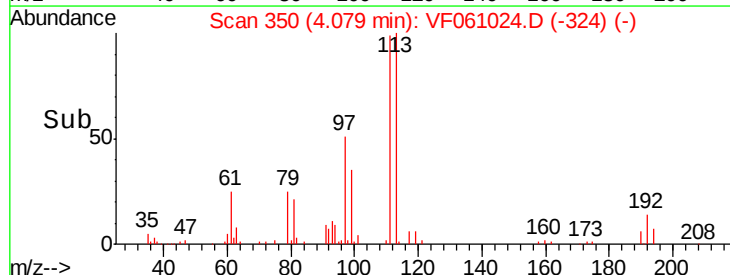
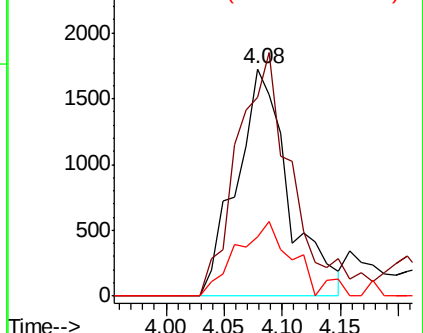
121 25.9 23.5 35.3

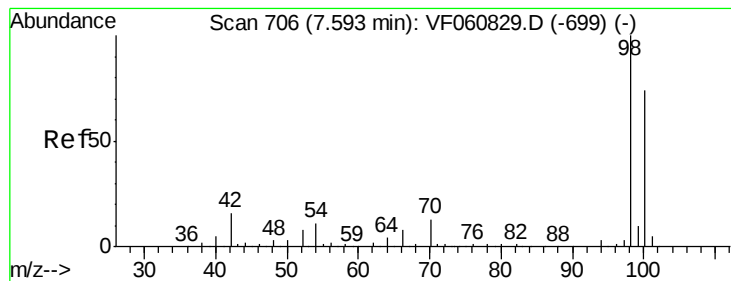


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#50

Toluene-d8

Concen: 42.605 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.05 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

Instrument :

MSVOA_F

ClientSampleId :

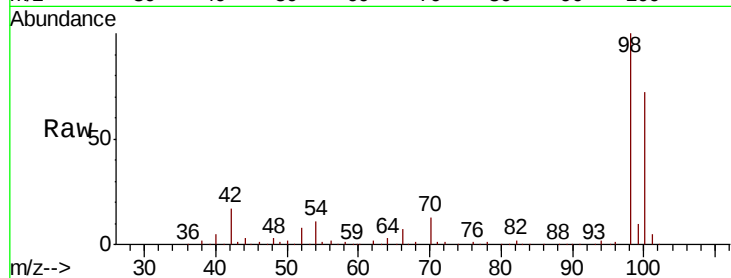
TP-4-ARE

Tgt Ion: 98 Resp: 383736

Ion Ratio Lower Upper

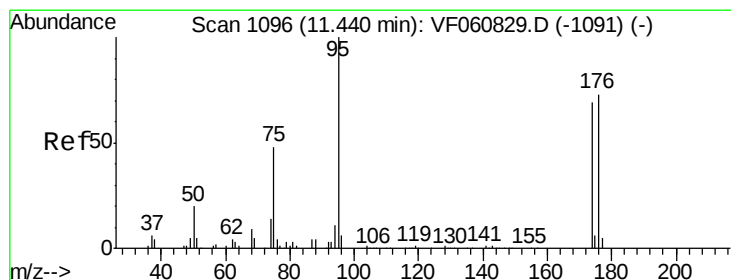
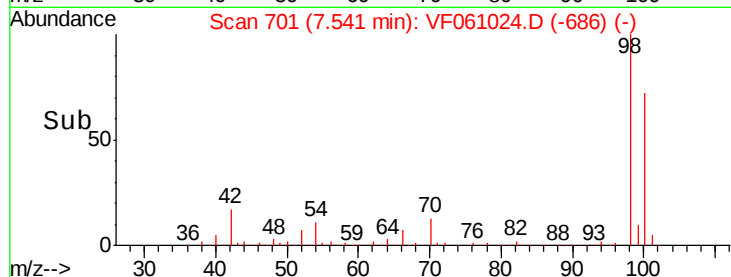
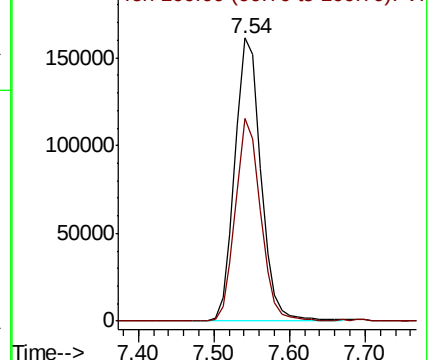
98 100

100 71.8 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 33.541 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061024.D

Acq: 14 Dec 2018 17:10

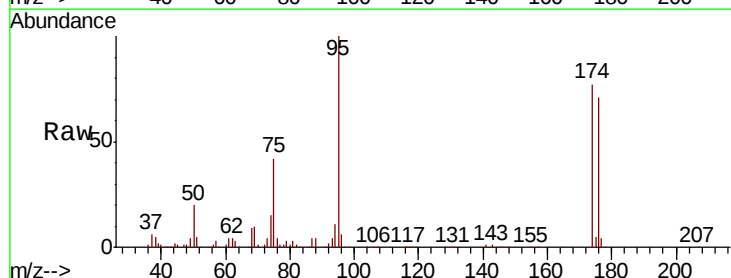
Tgt Ion: 95 Resp: 137300

Ion Ratio Lower Upper

95 100

174 76.9 0.0 138.2

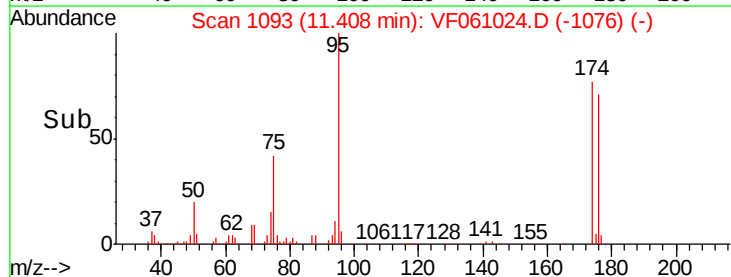
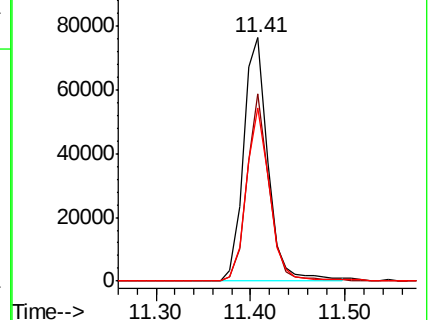
176 71.1 0.0 146.2

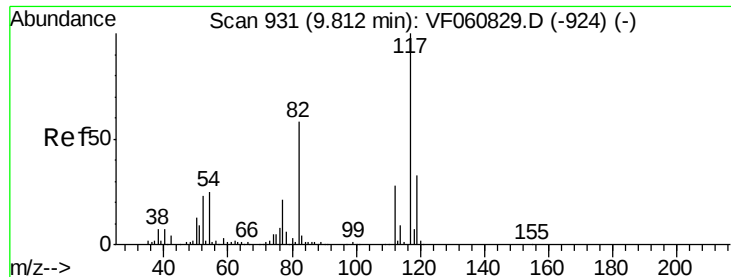


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

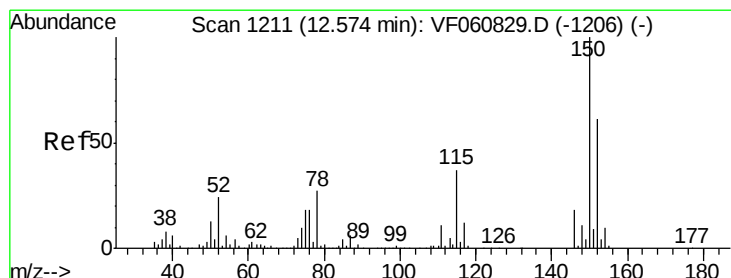
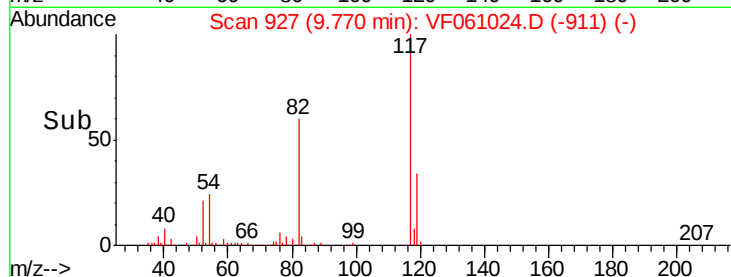
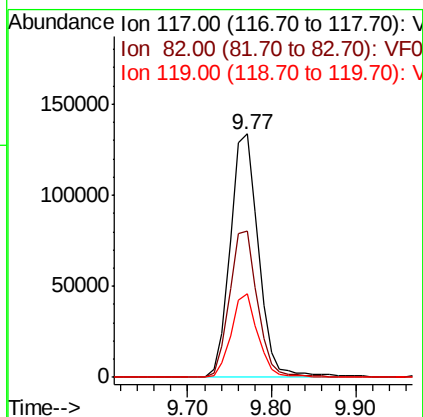
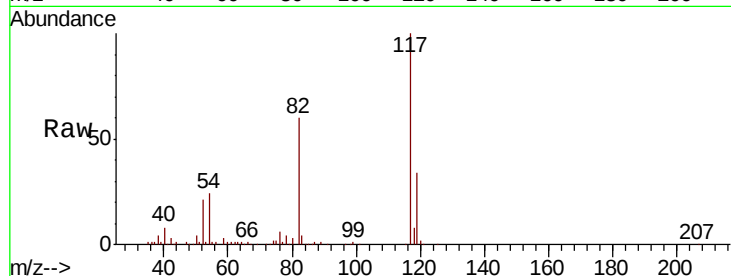




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061024.D
Acq: 14 Dec 2018 17:10

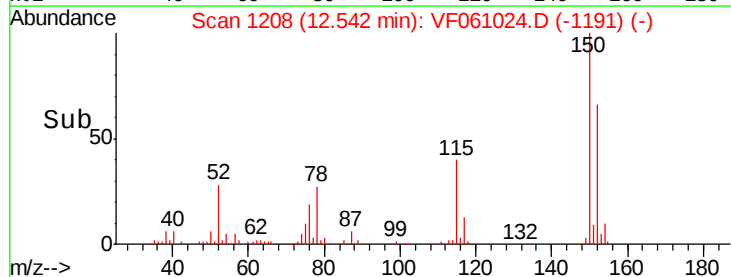
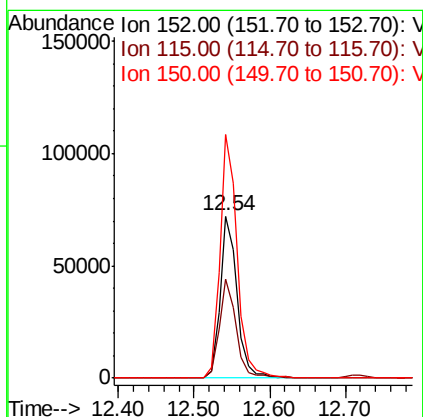
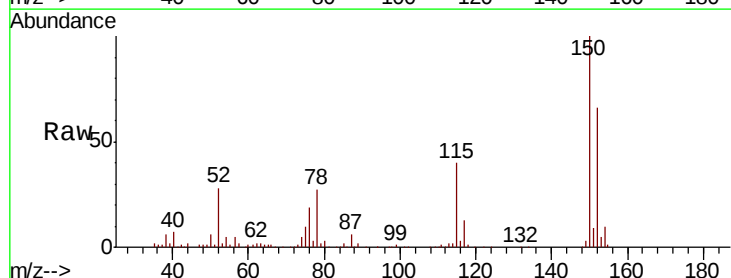
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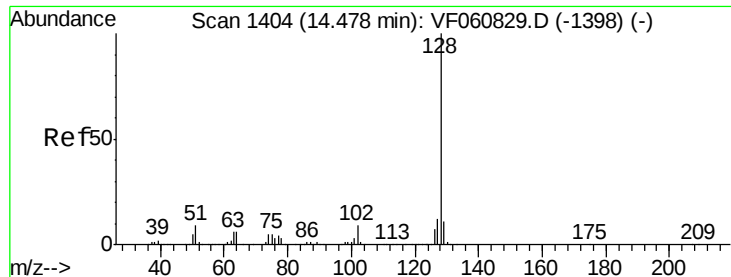
Tgt Ion:117 Resp: 312854
Ion Ratio Lower Upper
117 100
82 60.3 46.6 69.8
119 34.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061024.D
Acq: 14 Dec 2018 17:10

Tgt Ion:152 Resp: 113172
Ion Ratio Lower Upper
152 100
115 60.8 30.1 90.5
150 150.6 0.0 327.6





#95
Naphthalene
Concen: 11.417 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061024.D
Acq: 14 Dec 2018 17:10

Instrument :
MSVOA_F
ClientSampleId :
TP-4-ARE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.9	14.9
129	12.2	9.1	13.7

