

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061977.D
 Acq On : 23 Apr 2019 18:39
 Operator : VA/AP
 Sample : K2540-02
 Misc : 4.48g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-007-A

Quant Time: Apr 24 02:28:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

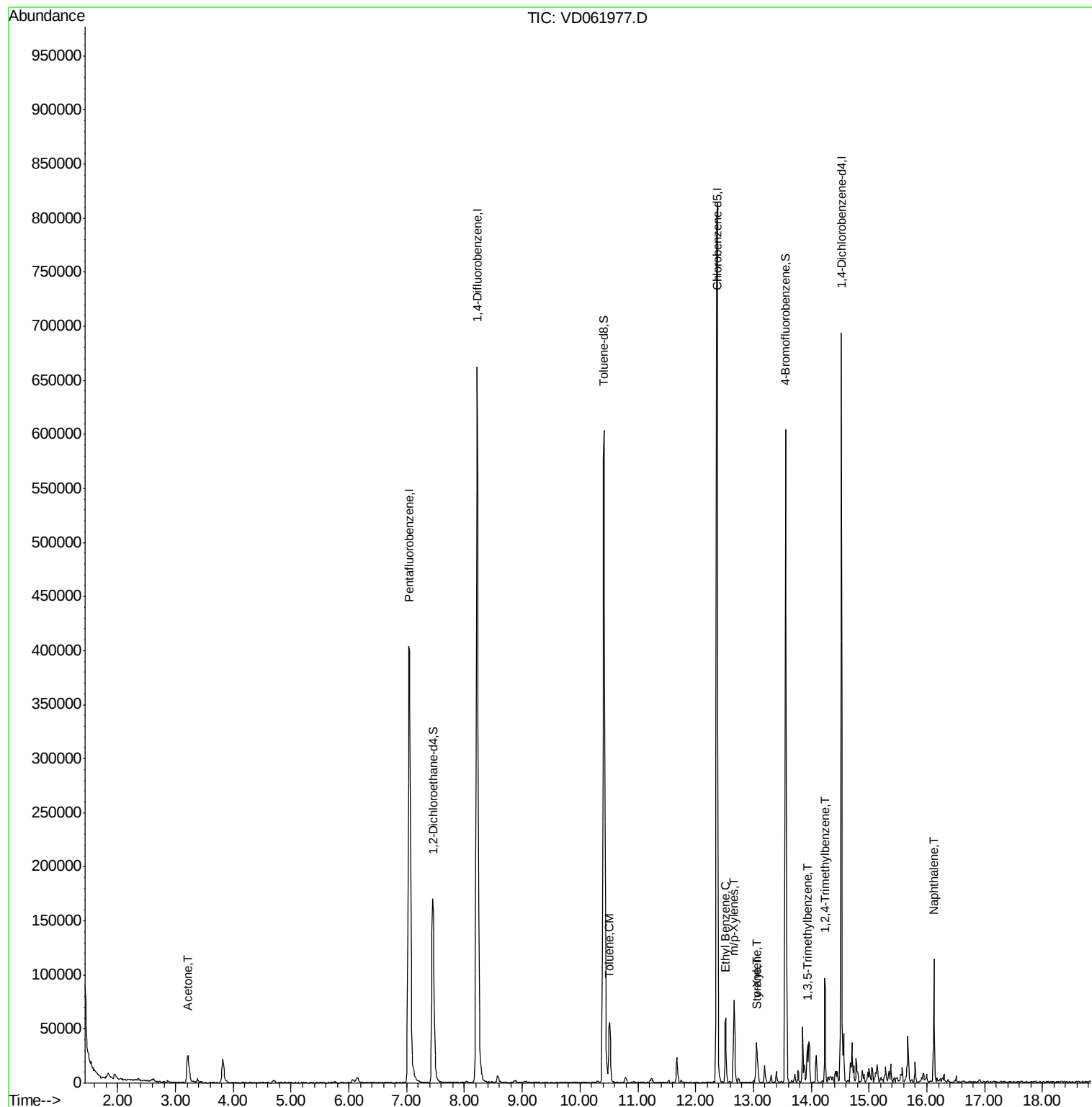
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	450776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	804792	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	540469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	165687	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	173949	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
35) Dibromofluoromethane	7.04	113	214	0.04	ug/l	0.10
Spiked Amount	50.000		Recovery	=	0.08%	
50) Toluene-d8	10.41	98	569478	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	
62) 4-Bromofluorobenzene	13.55	95	185424	34.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.82%	
Target Compounds						
16) Acetone	3.22	43	50422	59.856	ug/l	93
52) Toluene	10.51	92	30579	3.090	ug/l	98
67) Ethyl Benzene	12.52	91	16733	1.004	ug/l	95
68) m/p-Xylenes	12.66	106	27404	4.549	ug/l	88
69) o-Xylene	13.05	106	9826	1.783	ug/l	93
70) Styrene	13.07	104	9994	1.050	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	16656	1.890	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	47312	5.622	ug/l	93
95) Naphthalene	16.12	128	66795	16.741	ug/l	100

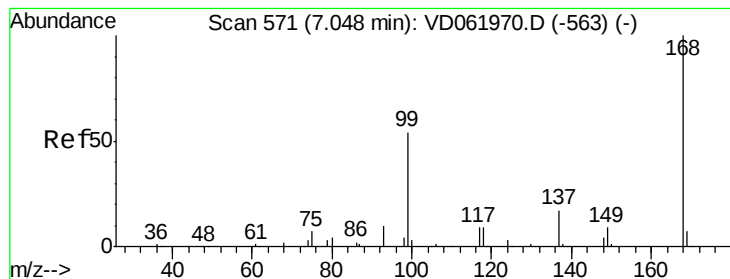
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

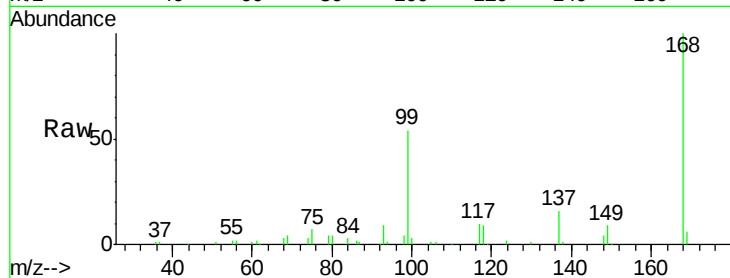
FK-SF-03-007-A

Tot Ion:168 Resp: 450776

Ion Ratio Lower Upper

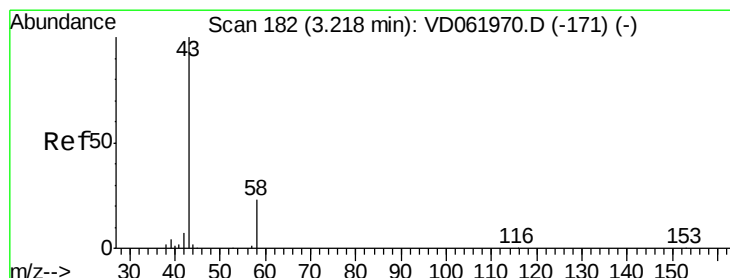
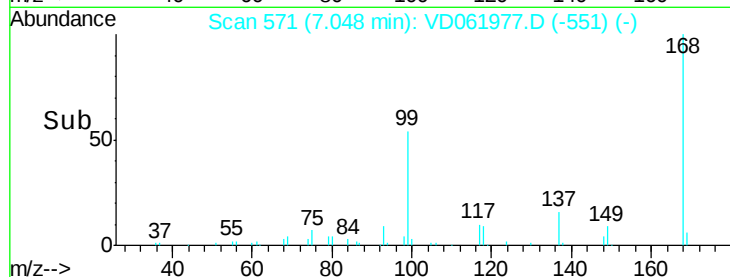
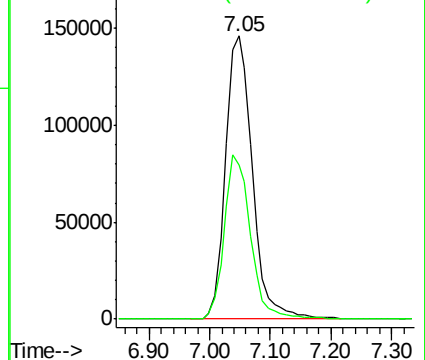
168 100

99 54.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 59.856 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061977.D

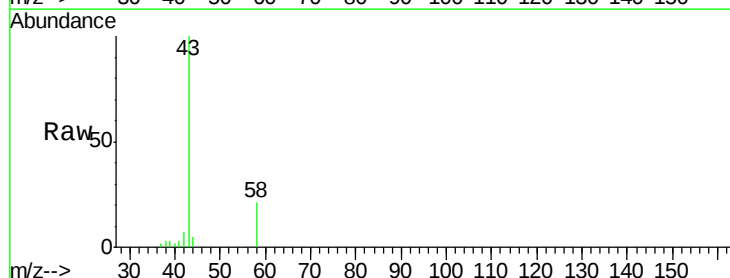
Acq: 23 Apr 2019 18:39

Tgt Ion: 43 Resp: 50422

Ion Ratio Lower Upper

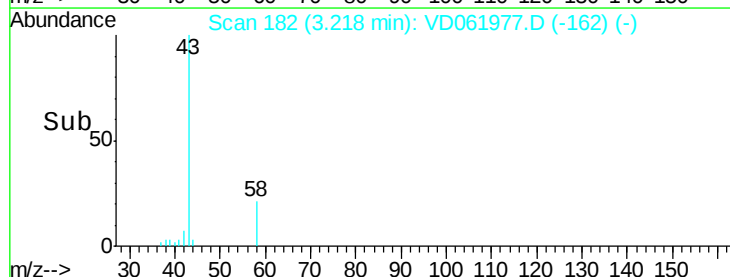
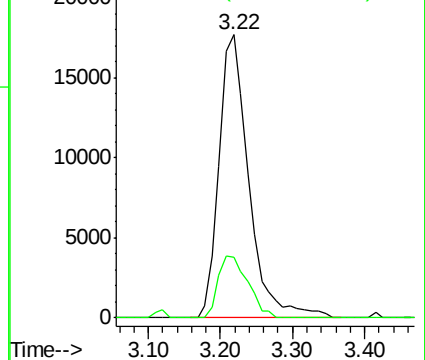
43 100

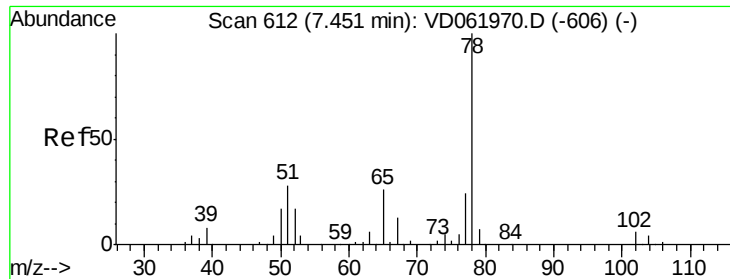
58 21.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

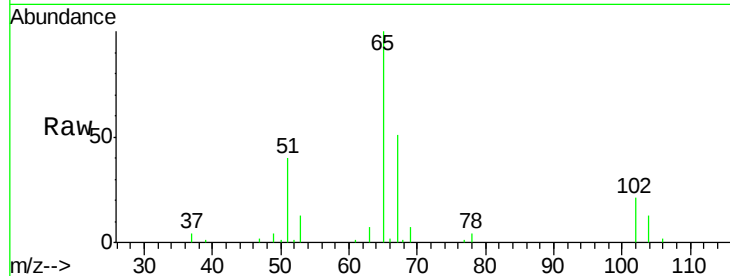
FK-SF-03-007-A

Tot Ion: 65 Resp: 173949

Ion Ratio Lower Upper

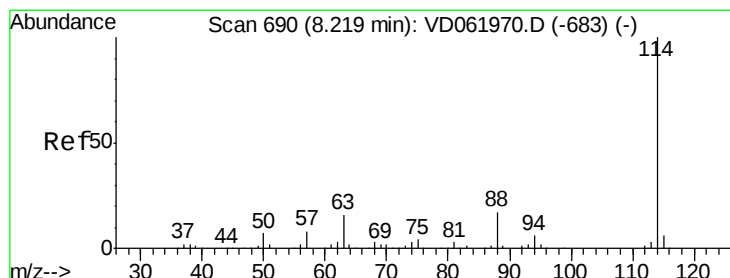
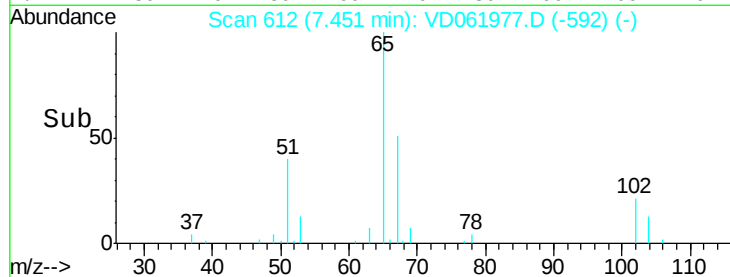
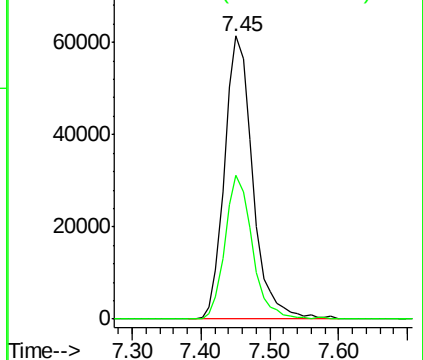
65 100

67 50.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

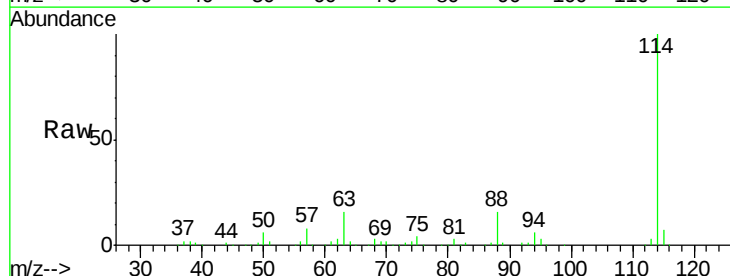
Tgt Ion: 114 Resp: 804792

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.4

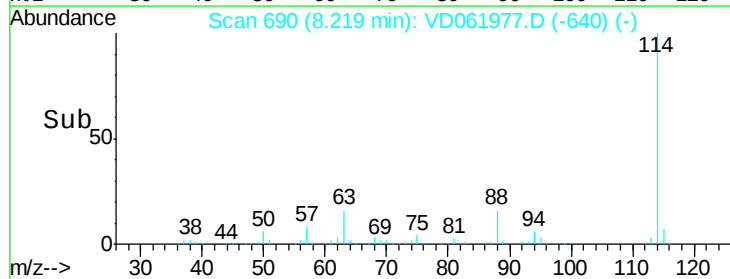
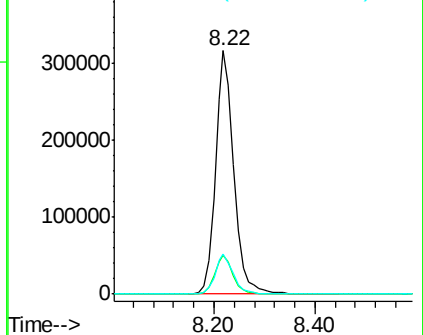
88 16.4 0.0 33.6

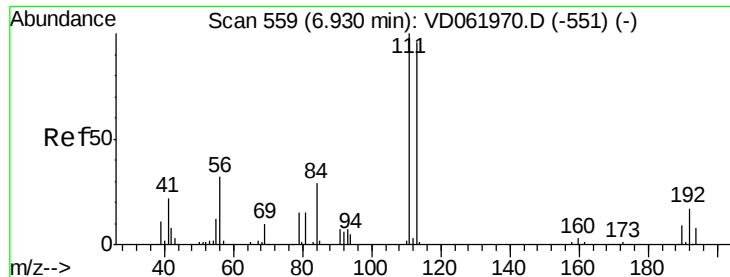


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-007-A

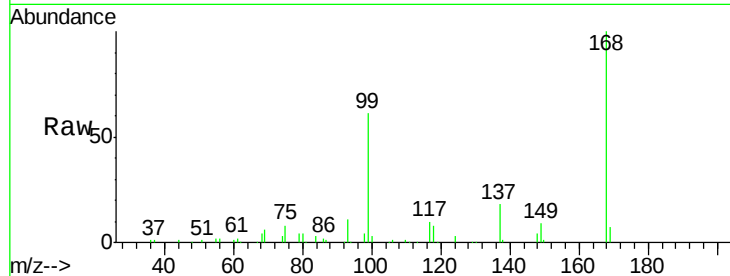
Tot Ion:113 Resp: 214

Ion Ratio Lower Upper

113 100

111 130.7 78.5 117.7#

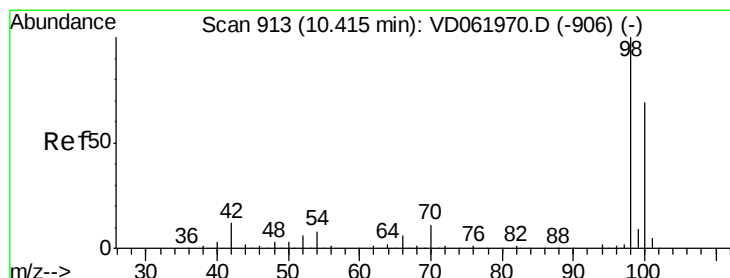
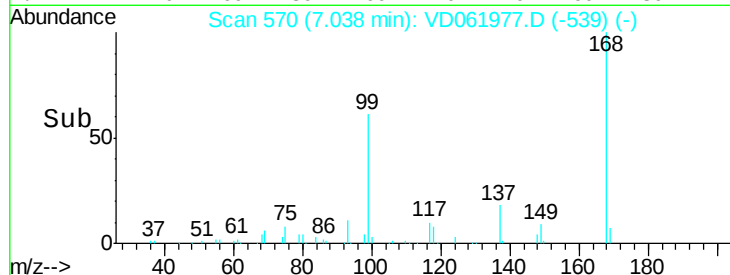
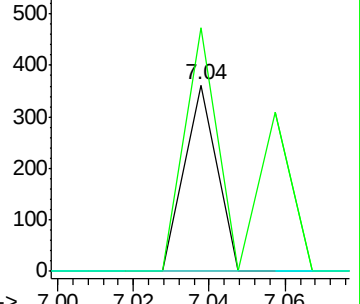
192 0.0 13.0 19.4#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061977.D

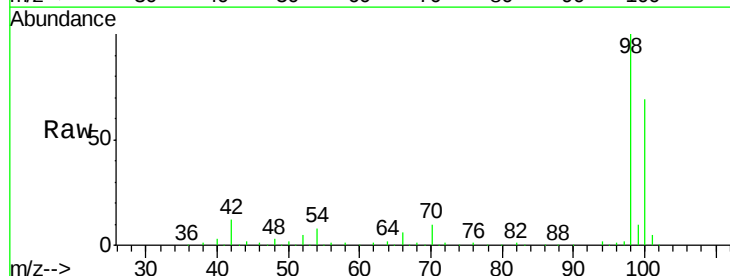
Acq: 23 Apr 2019 18:39

Tgt Ion: 98 Resp: 569478

Ion Ratio Lower Upper

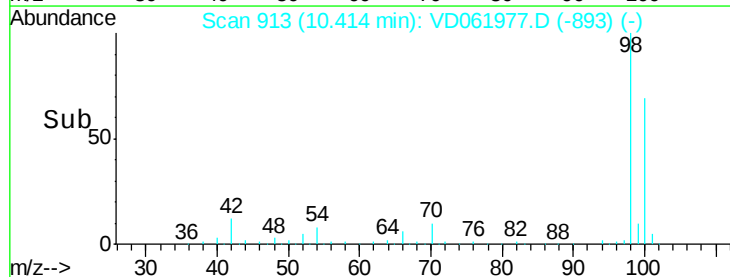
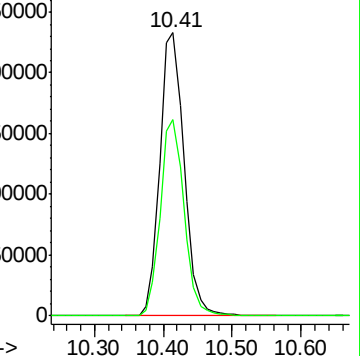
98 100

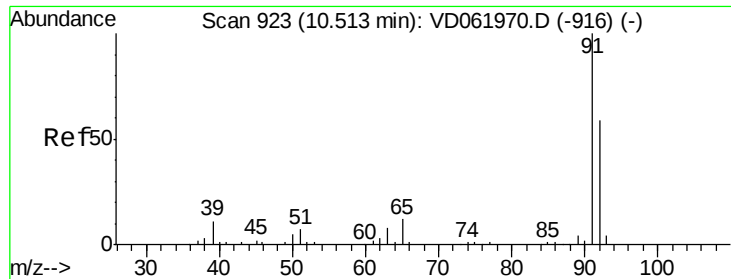
100 69.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 3.090 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

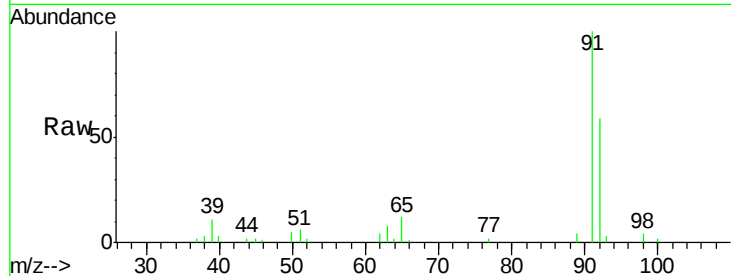
FK-SF-03-007-A

Tot Ion: 92 Resp: 30579

Ion Ratio Lower Upper

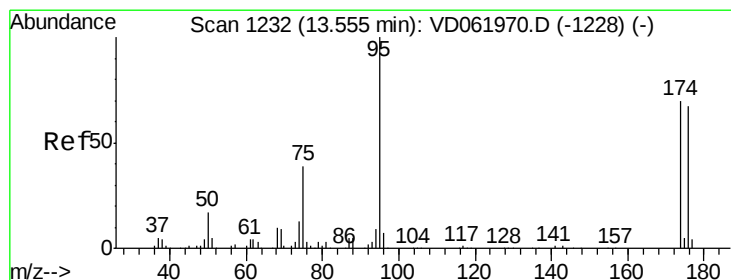
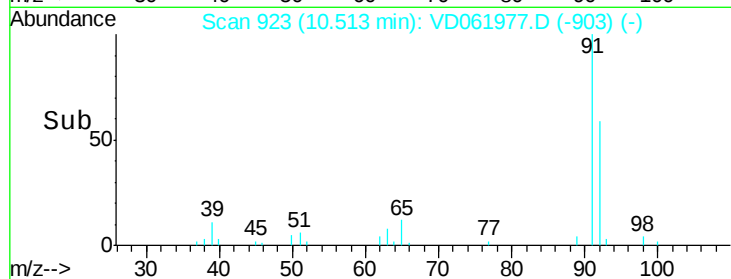
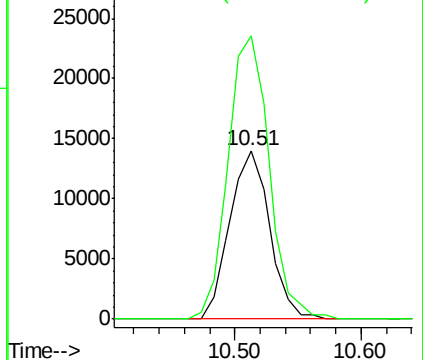
92 100

91 168.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

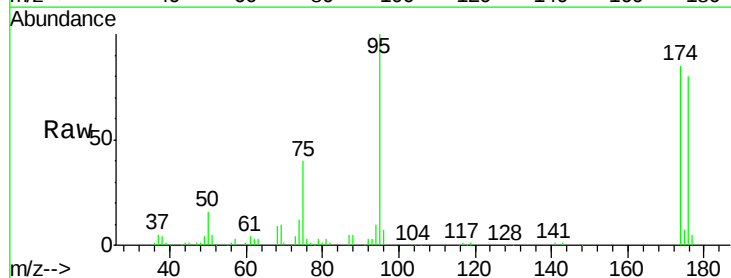
Tgt Ion: 95 Resp: 185424

Ion Ratio Lower Upper

95 100

174 85.0 0.0 181.8

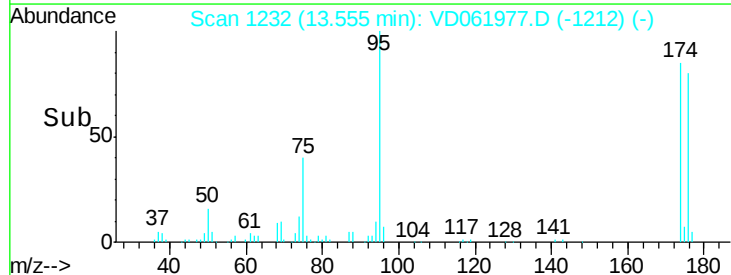
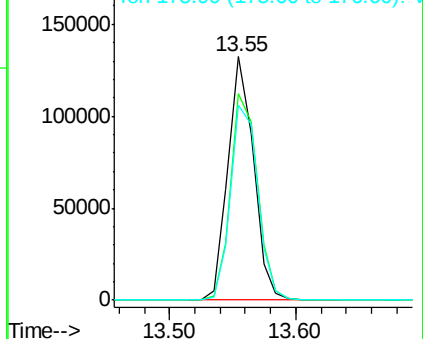
176 80.0 0.0 174.4

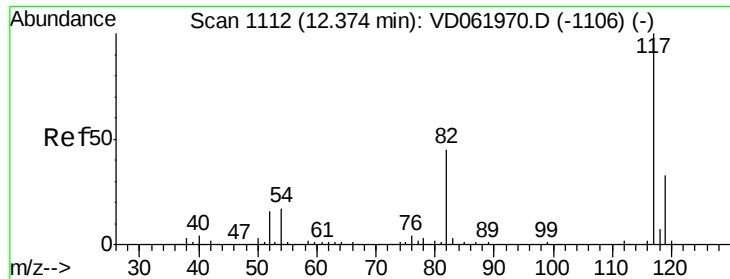


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-007-A

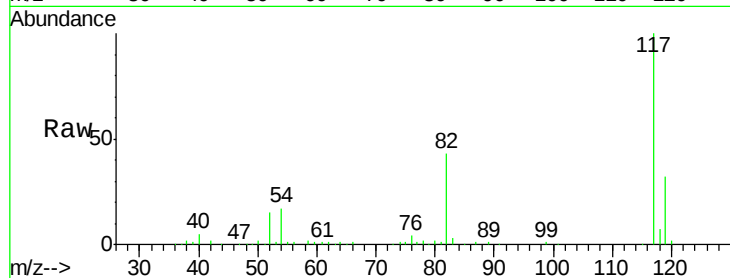
Tot Ion:117 Resp: 540469

Ion Ratio Lower Upper

117 100

82 42.7 36.2 54.2

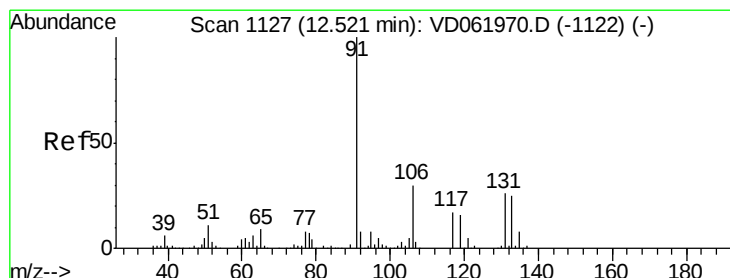
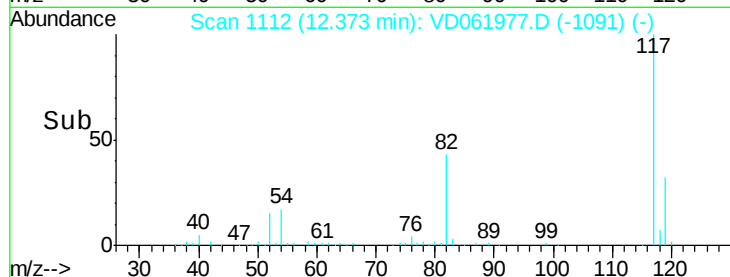
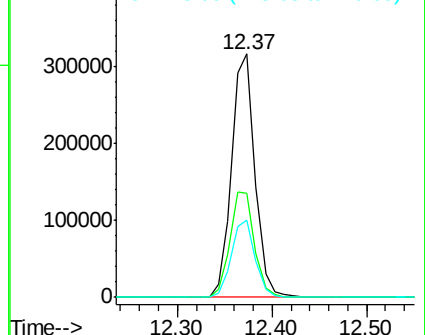
119 31.6 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#67

Ethyl Benzene

Concen: 1.004 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD061977.D

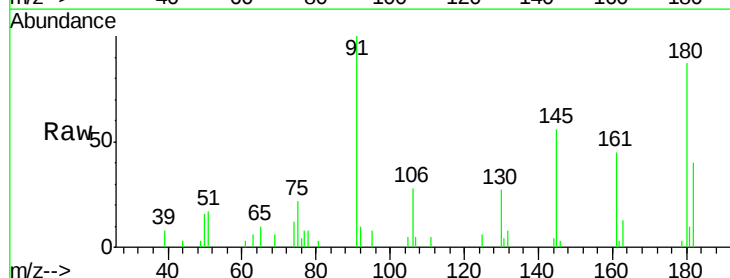
Acq: 23 Apr 2019 18:39

Tgt Ion: 91 Resp: 16733

Ion Ratio Lower Upper

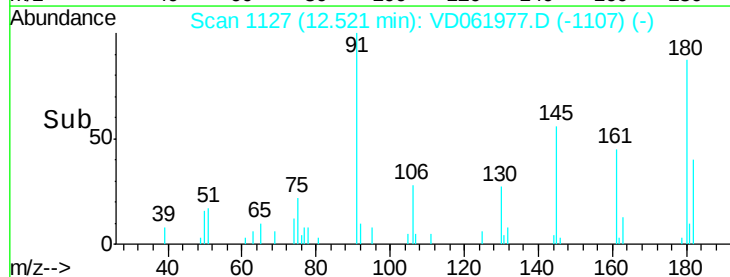
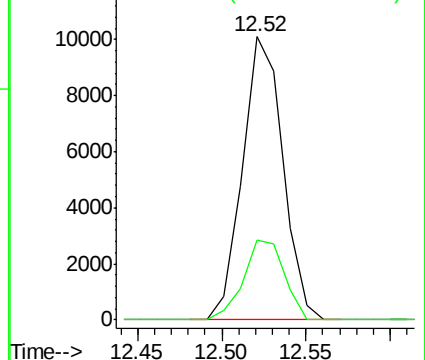
91 100

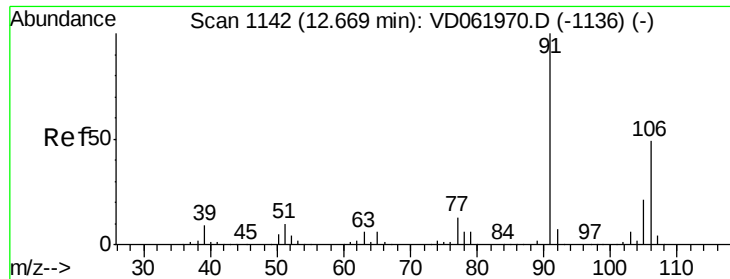
106 28.3 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

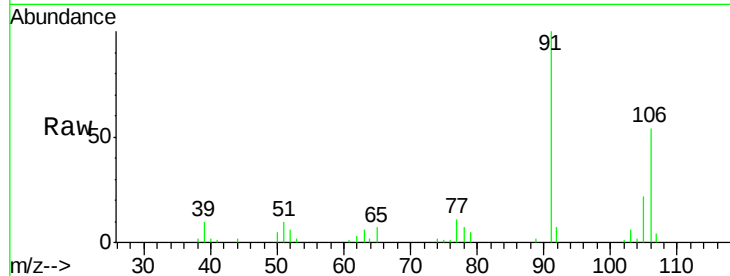




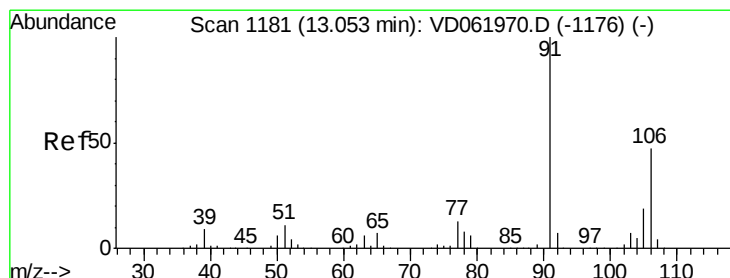
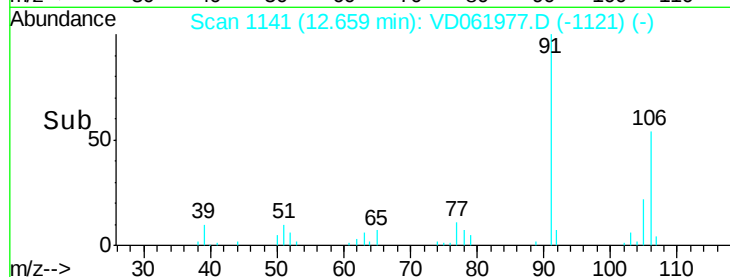
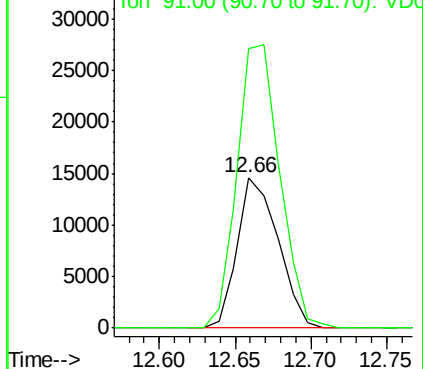
#68
m/p-Xylenes
Concen: 4.549 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061977.D
Acq: 23 Apr 2019 18:39

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-007-A

Tot Ion:106 Resp: 27404
Ion Ratio Lower Upper
106 100
91 185.8 164.0 246.0

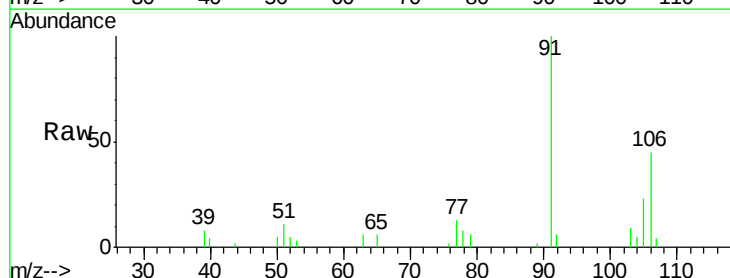


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

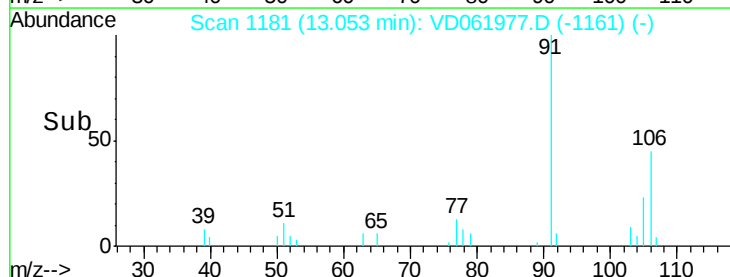
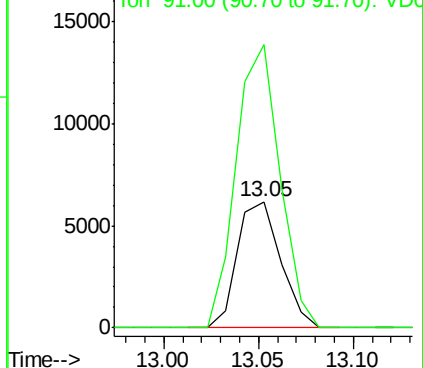


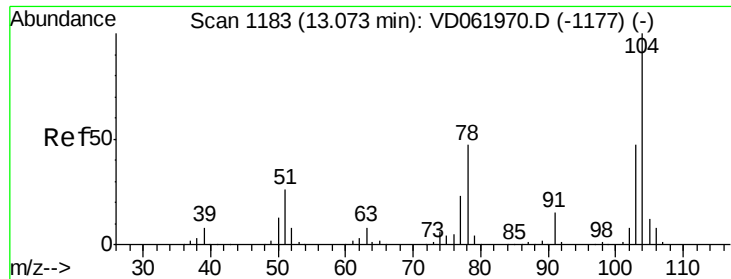
#69
o-Xylene
Concen: 1.783 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061977.D
Acq: 23 Apr 2019 18:39

Tgt Ion:106 Resp: 9826
Ion Ratio Lower Upper
106 100
91 223.8 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

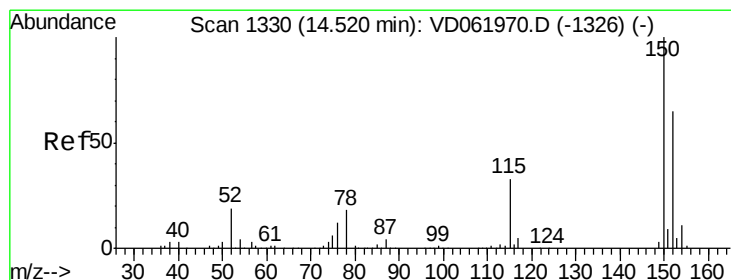
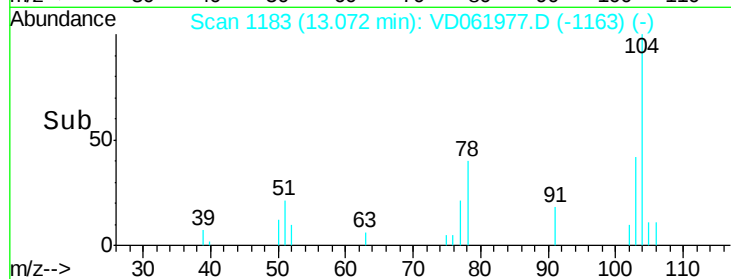
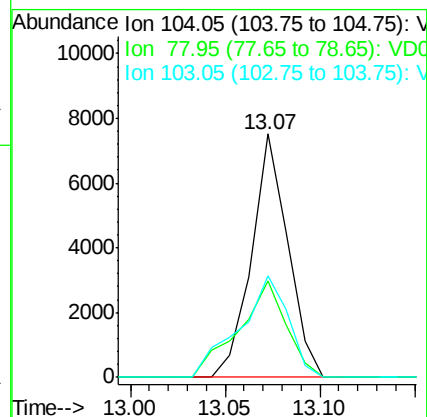
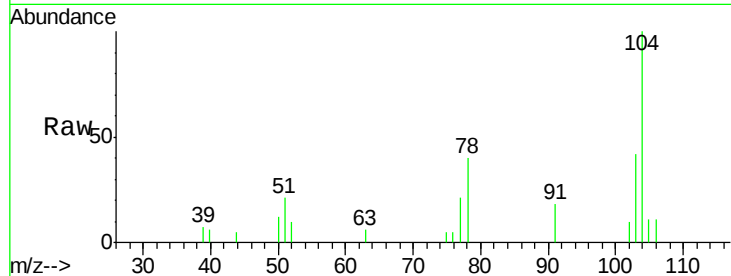




#70
Stvrene
Concen: 1.050 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061977.D
Acq: 23 Apr 2019 18:39

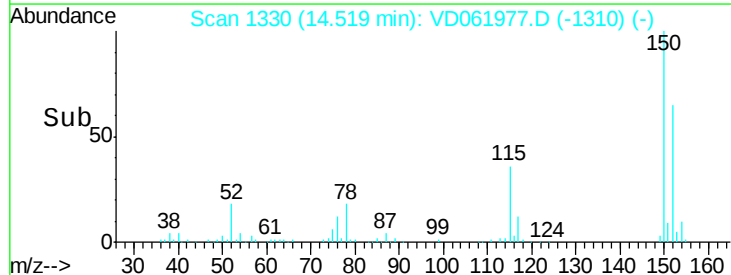
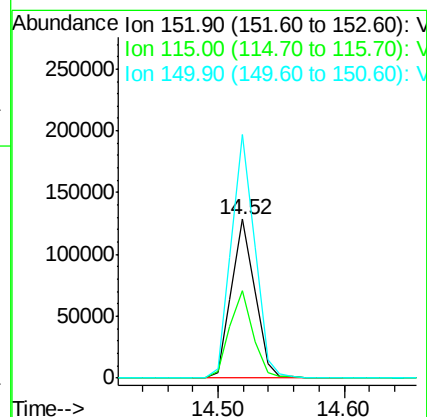
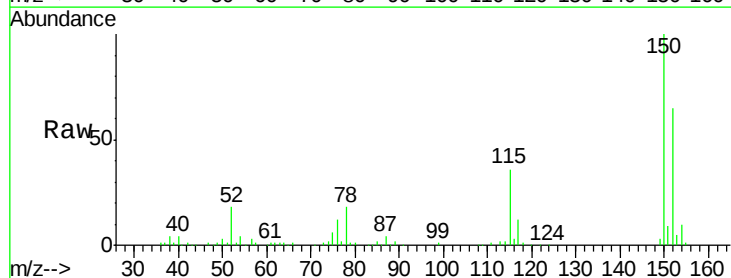
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-007-A

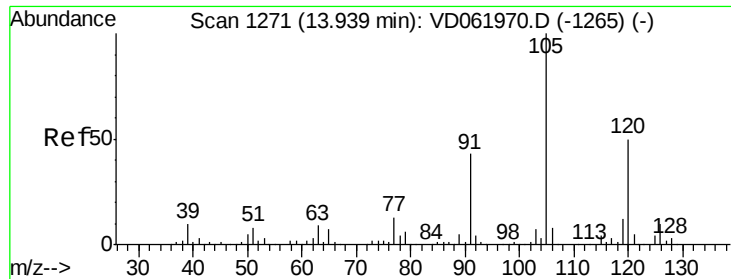
Tot Ion:104 Resp: 9994
Ion Ratio Lower Upper
104 100
78 39.8 35.4 53.2
103 41.8 37.5 56.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061977.D
Acq: 23 Apr 2019 18:39

Tgt Ion:152 Resp: 165687
Ion Ratio Lower Upper
152 100
115 54.8 30.9 92.7
150 153.2 0.0 314.8





#80

1,3,5-Trimethylbenzene

Concen: 1.890 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061977.D

Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

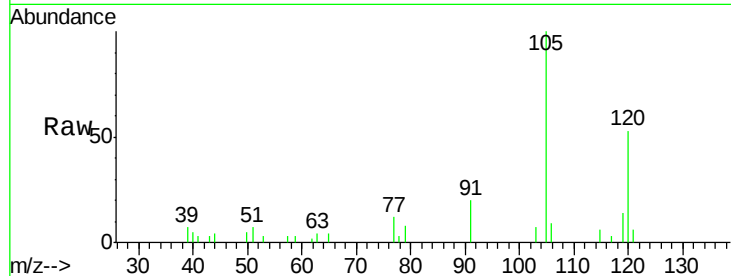
FK-SF-03-007-A

Tot Ion:105 Resp: 16656

Ion Ratio Lower Upper

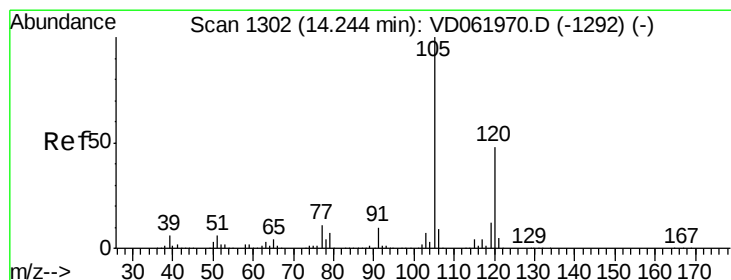
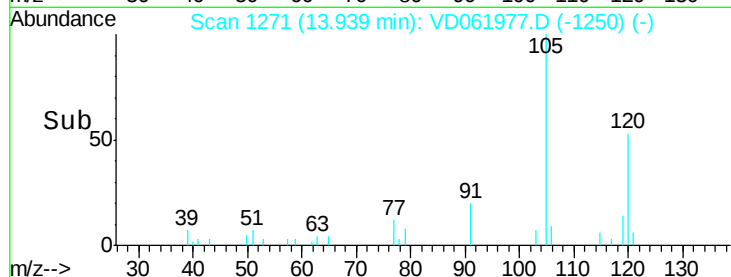
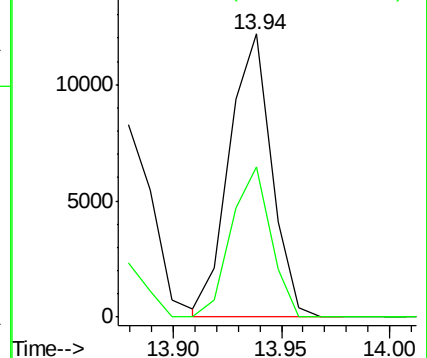
105 100

120 52.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

1,2,4-Trimethylbenzene

Concen: 5.622 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061977.D

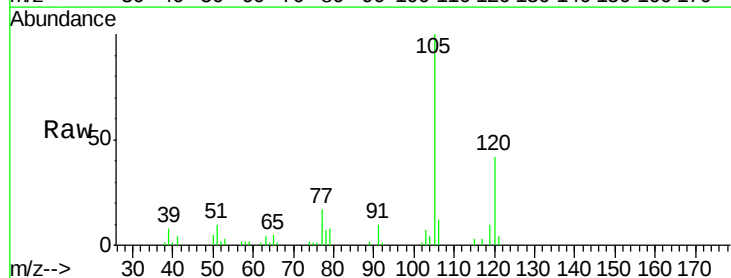
Acq: 23 Apr 2019 18:39

Tgt Ion:105 Resp: 47312

Ion Ratio Lower Upper

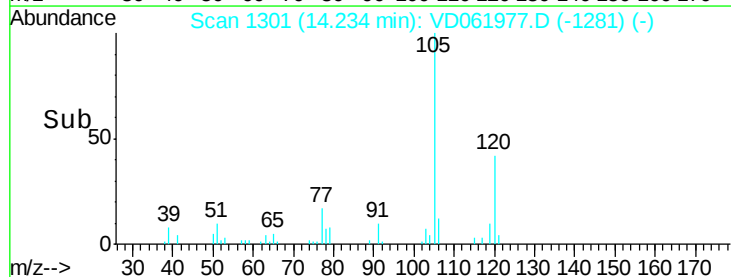
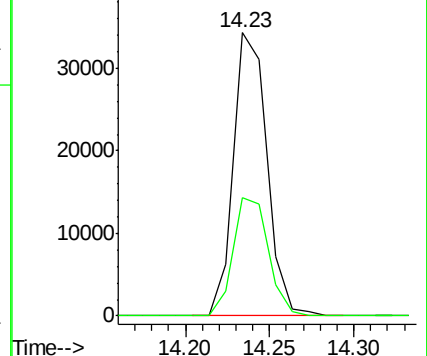
105 100

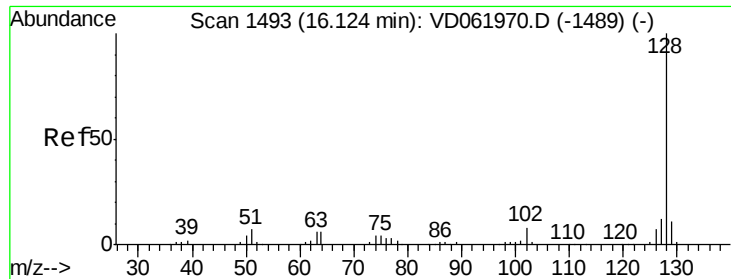
120 41.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95

Naphthalene

Concen: 16.741 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061977.D

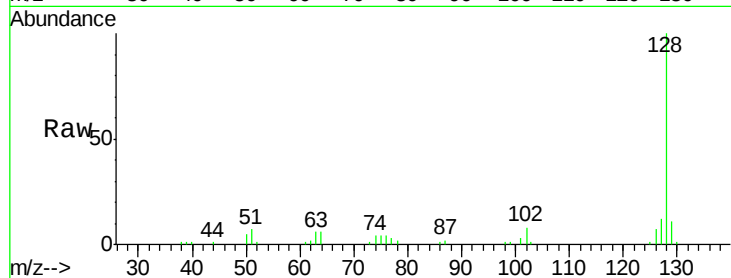
Acq: 23 Apr 2019 18:39

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-007-A



Tot Ion:128 Resp: 66795

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

129 11.3 8.8 13.2

