

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062002.D
 Acq On : 24 Apr 2019 17:21
 Operator : VA/AP
 Sample : K2540-04RE
 Misc : 4.65µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Apr 25 02:04:14 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	7.06	168	458568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	724904	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	525883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	188546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	175314	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
35) Dibromofluoromethane	7.06	113	269	0.05	ug/l	0.12
Spiked Amount			Recovery	=	0.10%	
50) Toluene-d8	10.41	98	538622	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	
62) 4-Bromofluorobenzene	13.55	95	183458	38.34	ug/l	0.00
Spiked Amount			Recovery	=	76.68%	

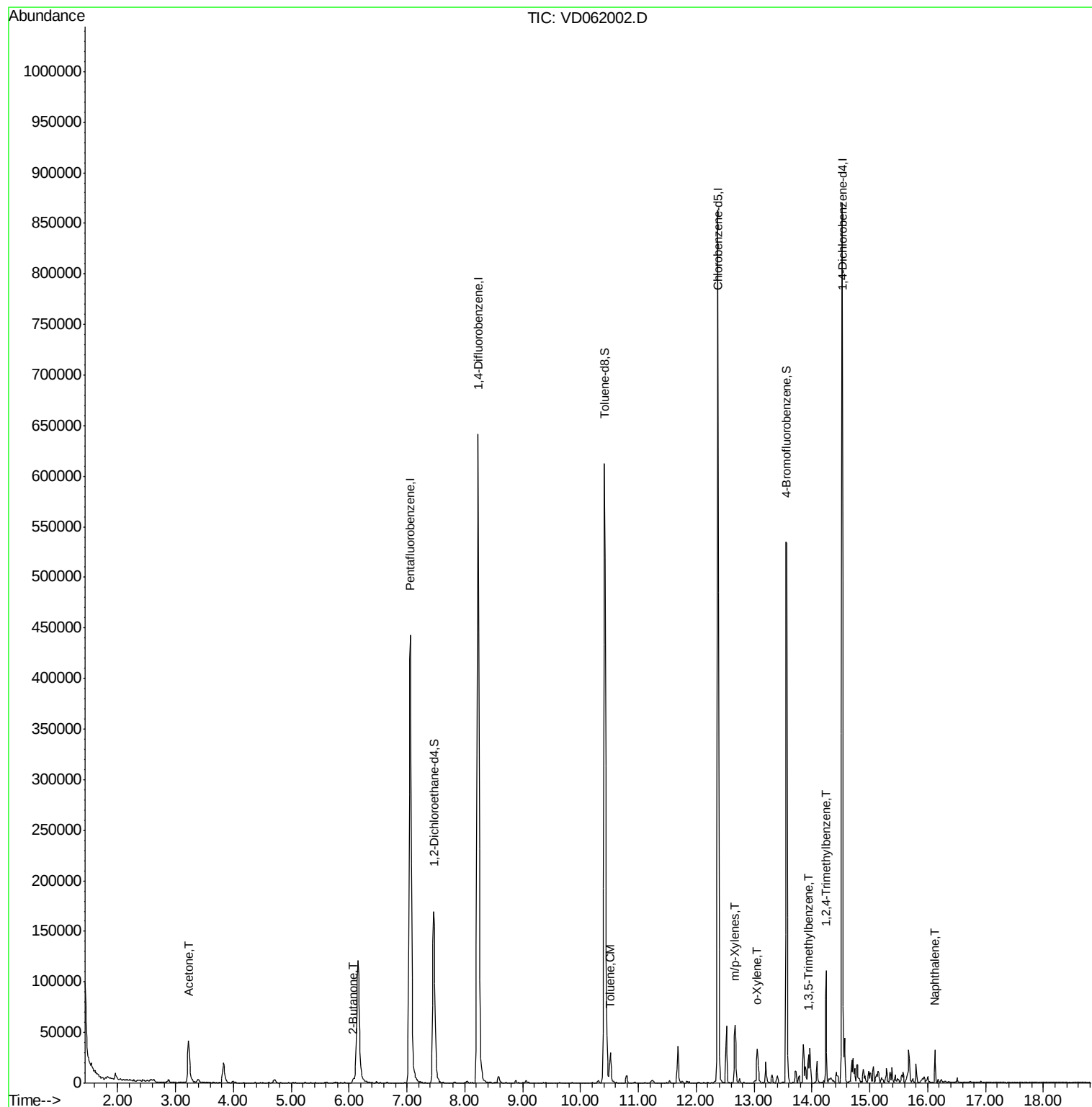
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	82682	96.484	ug/l	94
25) 2-Butanone	6.07	43	9173	8.829	ug/l	93
52) Toluene	10.51	92	16552	1.857	ug/l	82
68) m/p-Xylenes	12.67	106	19028	3.246	ug/l	94
69) o-Xylene	13.05	106	9115	1.699	ug/l	87
80) 1,3,5-Trimethylbenzene	13.94	105	14243	1.420	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	52230	5.454	ug/l	86
95) Naphthalene	16.12	128	21261	4.683	ug/l #	94

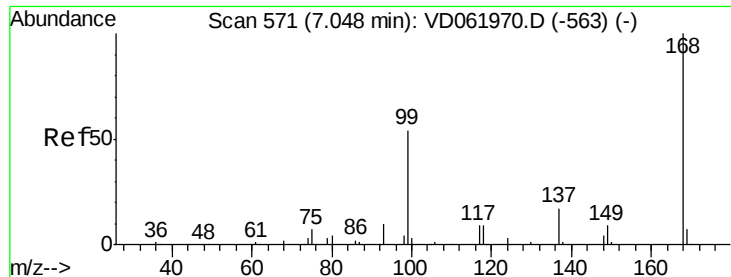
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062002.D

Acq: 24 Apr 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

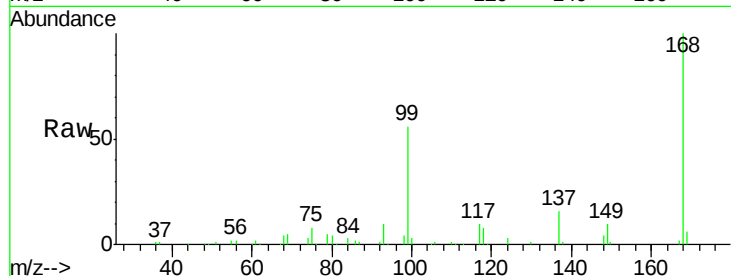
FK-SF-03-007-BRE

Tot Ion:168 Resp: 458568

Ion Ratio Lower Upper

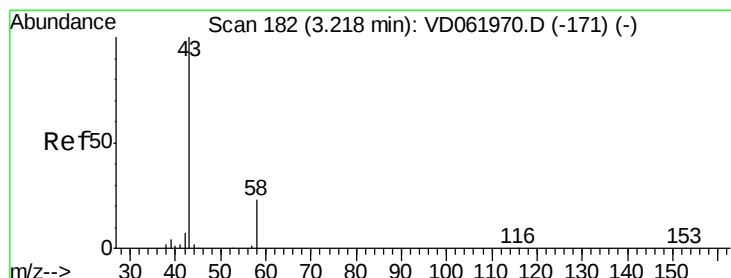
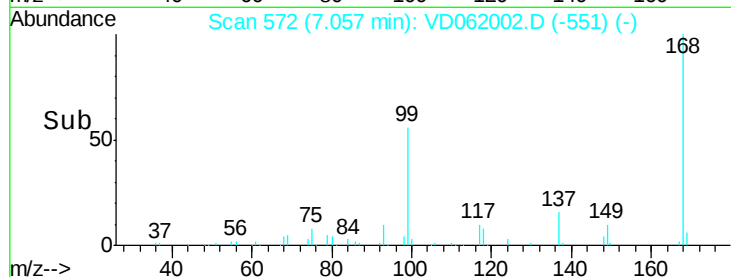
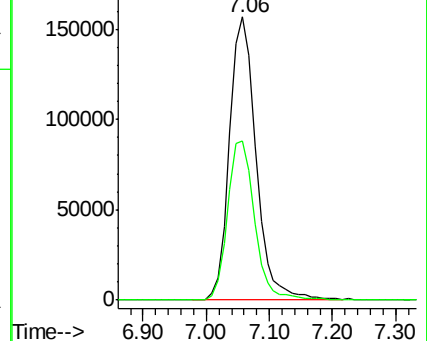
168 100

99 56.4 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: 96.484 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062002.D

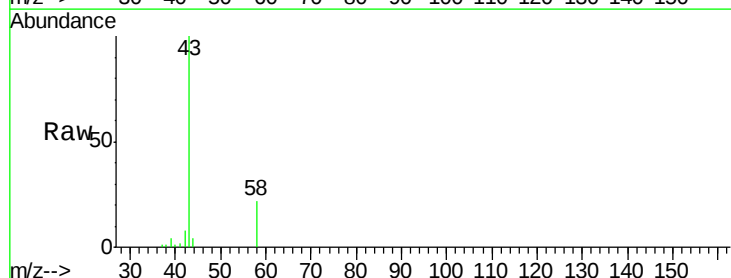
Acq: 24 Apr 2019 17:21

Tgt Ion: 43 Resp: 82682

Ion Ratio Lower Upper

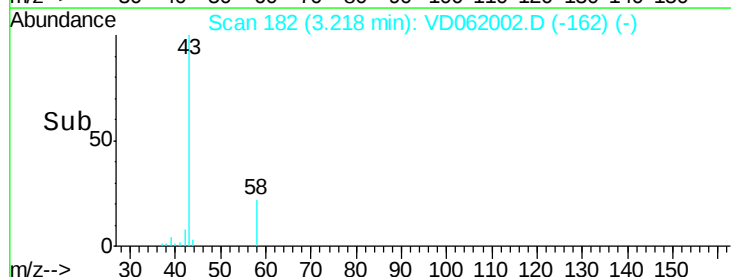
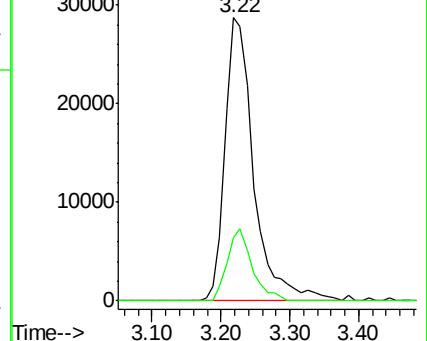
43 100

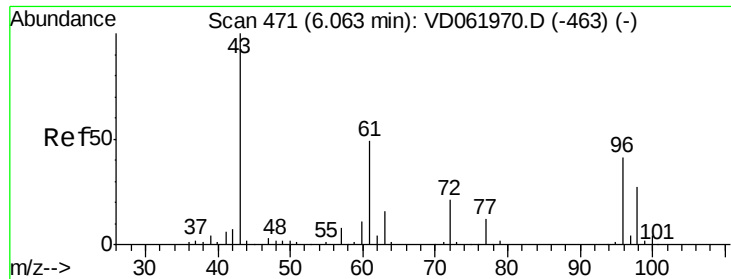
58 22.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 8.829 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062002.D

Acq: 24 Apr 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

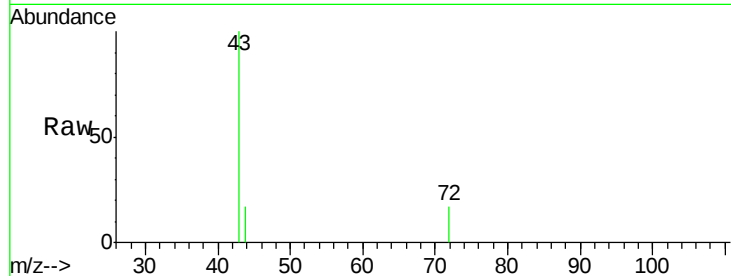
FK-SF-03-007-BRE

Tot Ion: 43 Resp: 9173

Ion Ratio Lower Upper

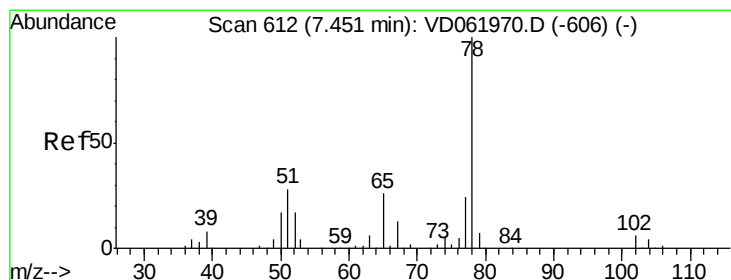
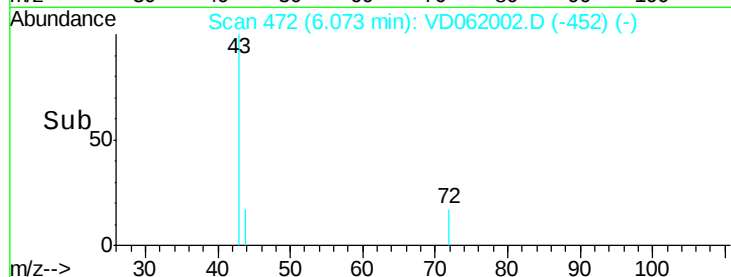
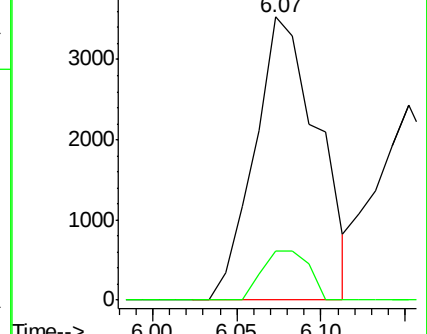
43 100

72 17.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 48.847 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062002.D

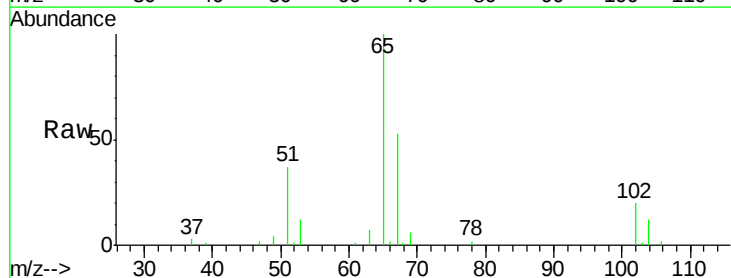
Acq: 24 Apr 2019 17:21

Tgt Ion: 65 Resp: 175314

Ion Ratio Lower Upper

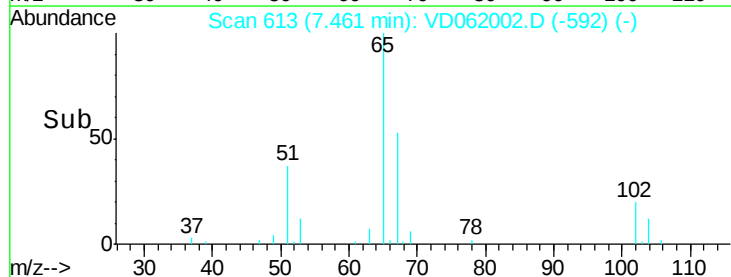
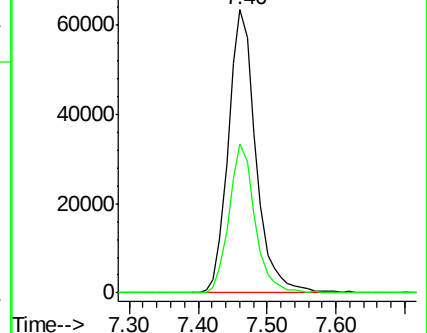
65 100

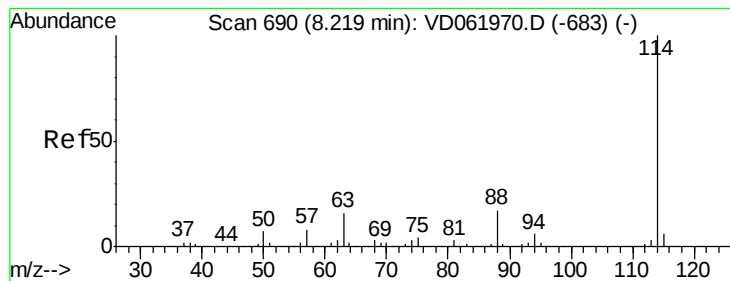
67 52.6 0.0 98.0



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062002.D

Acq: 24 Apr 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-007-BRE

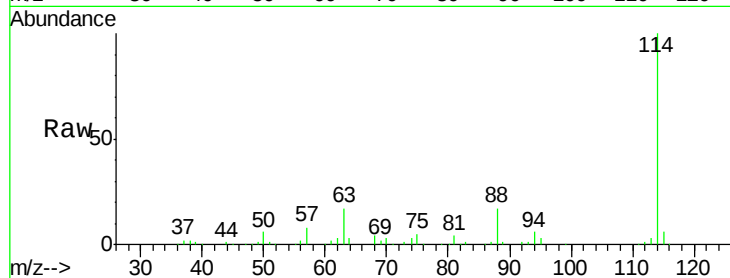
Tot Ion:114 Resp: 724904

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

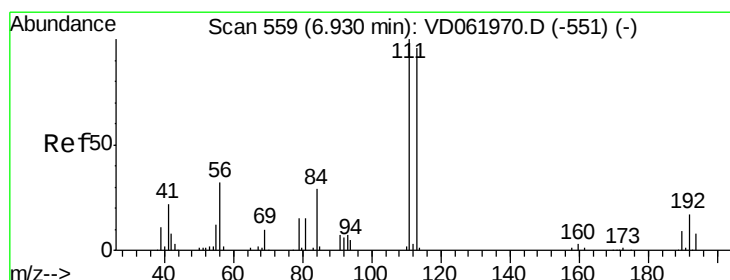
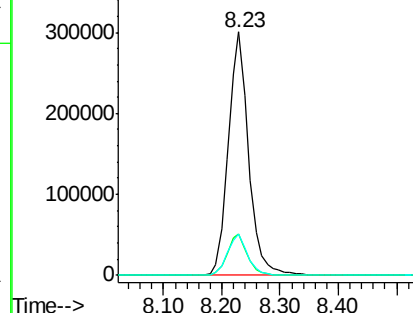
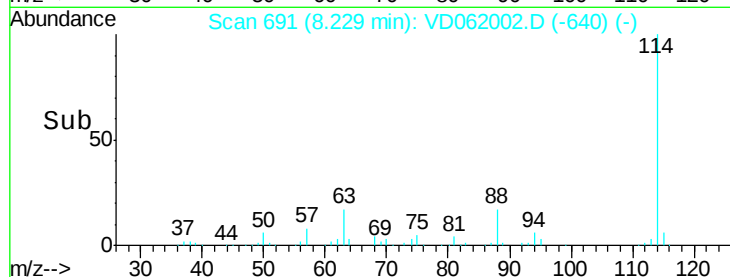
88 17.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 0.054 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062002.D

Acq: 24 Apr 2019 17:21

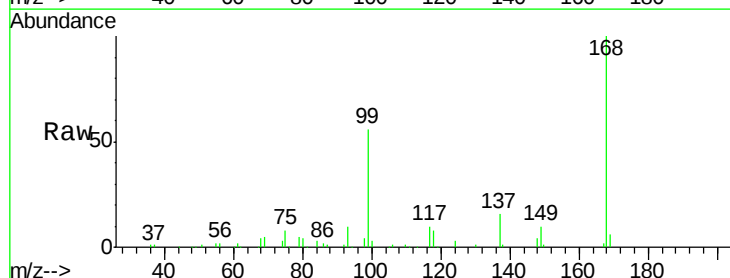
Tgt Ion:113 Resp: 269

Ion Ratio Lower Upper

113 100

111 76.3 78.5 117.7#

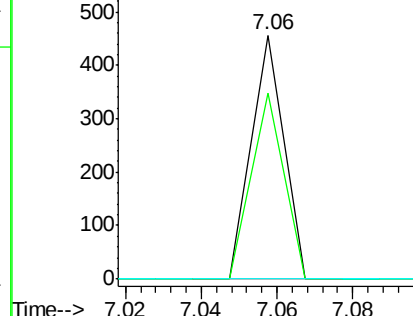
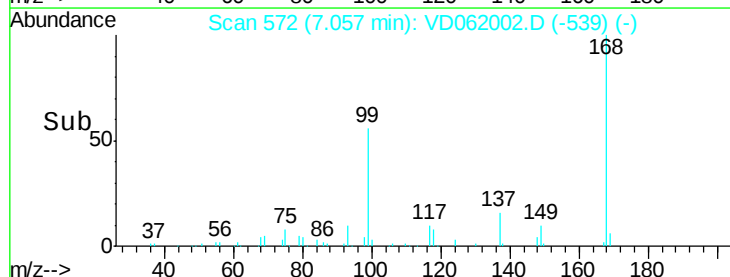
192 0.0 13.0 19.4#

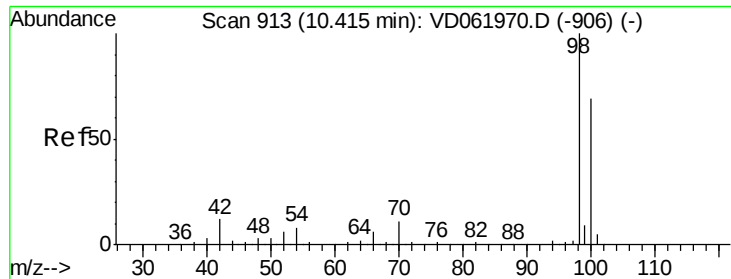


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

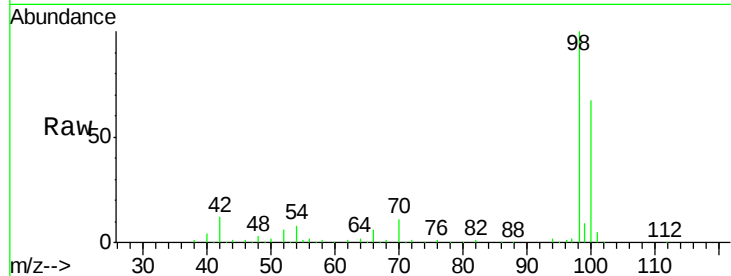




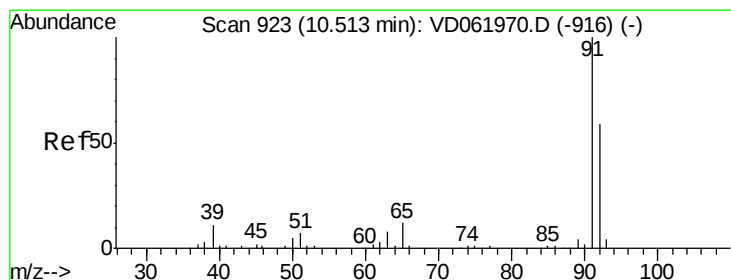
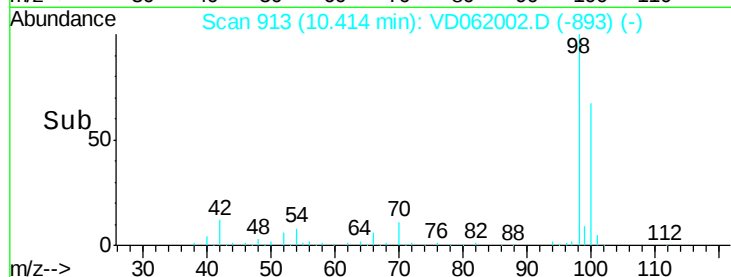
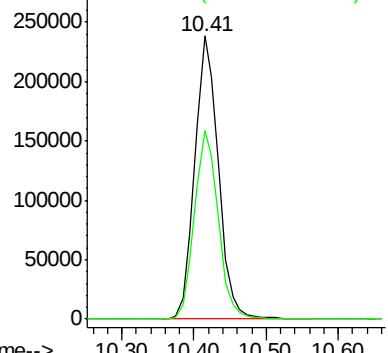
#50
Toluene-d8
Concen: 45.151 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062002.D
Acq: 24 Apr 2019 17:21

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

Tot Ion: 98 Resp: 538622
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8

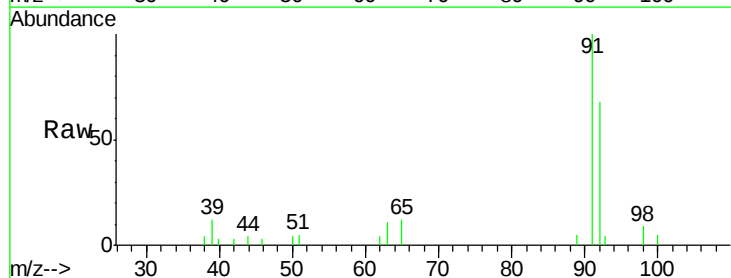


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

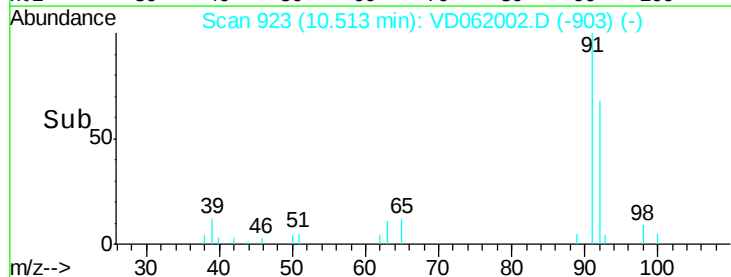
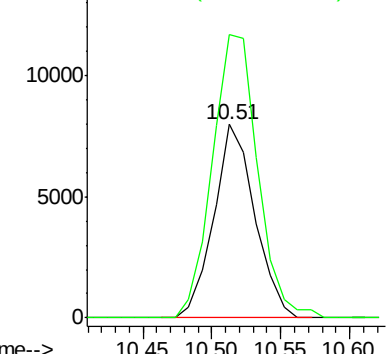


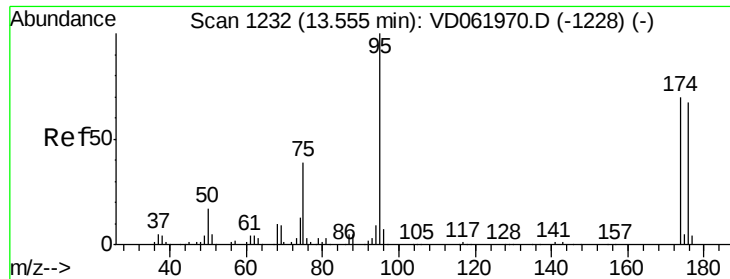
#52
Toluene
Concen: 1.857 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062002.D
Acq: 24 Apr 2019 17:21

Tgt Ion: 92 Resp: 16552
Ion Ratio Lower Upper
92 100
91 146.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VD061970.D (-916) (-)
Ion 91.00 (90.70 to 91.70): VD061970.D (-916) (-)

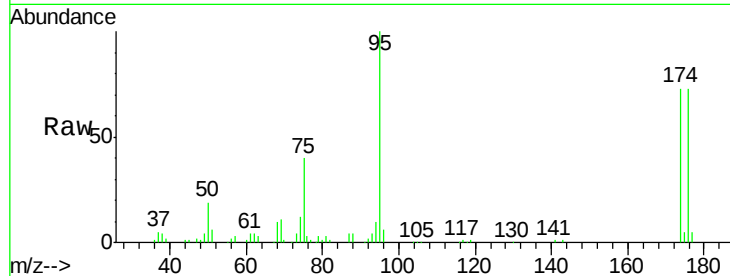




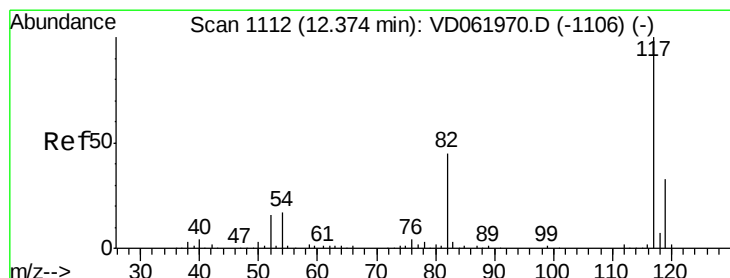
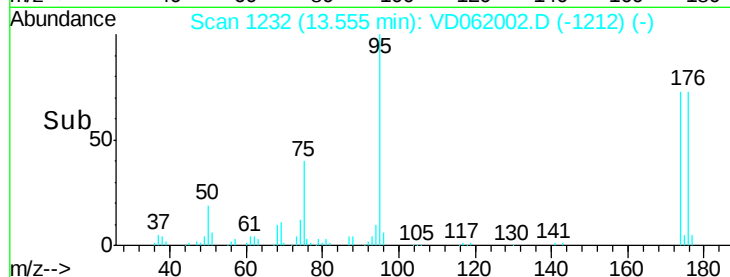
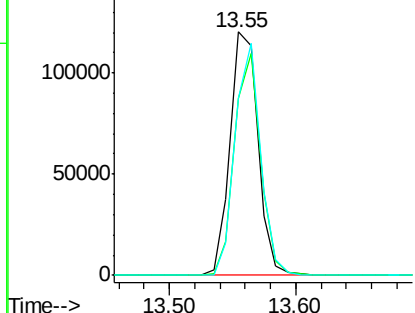
#62
4-Bromofluorobenzene
Concen: 38.342 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062002.D
Acq: 24 Apr 2019 17:21

Instrument :
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FK-SF-03-007-BRE

Tot Ion: 95 Resp: 183458
Ion Ratio Lower Upper
95 100
174 72.6 0.0 181.8
176 72.8 0.0 174.4

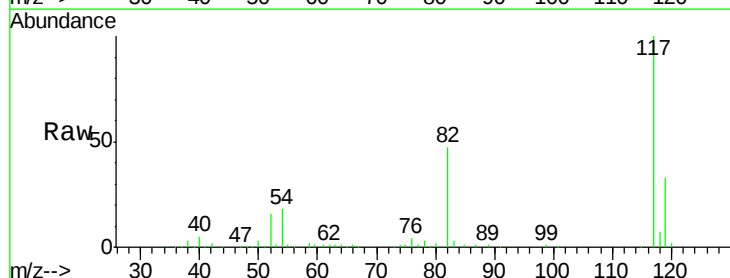


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

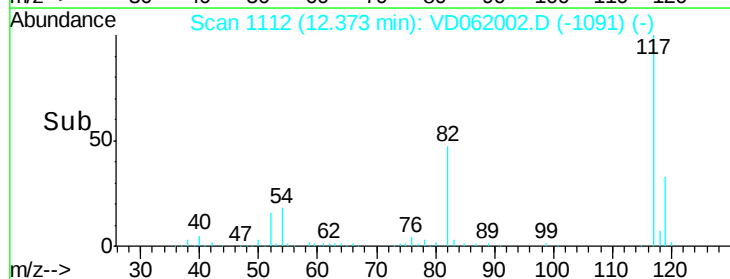
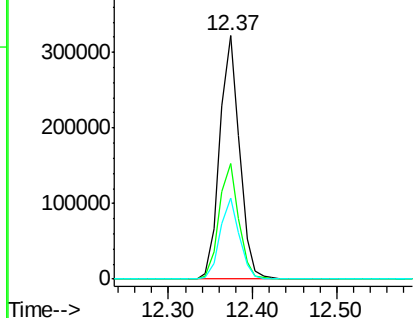


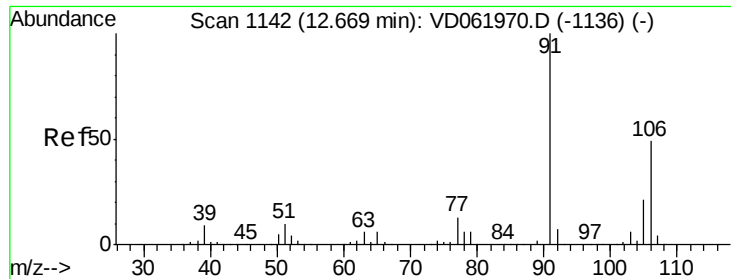
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062002.D
Acq: 24 Apr 2019 17:21

Tgt Ion: 117 Resp: 525883
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 33.1 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

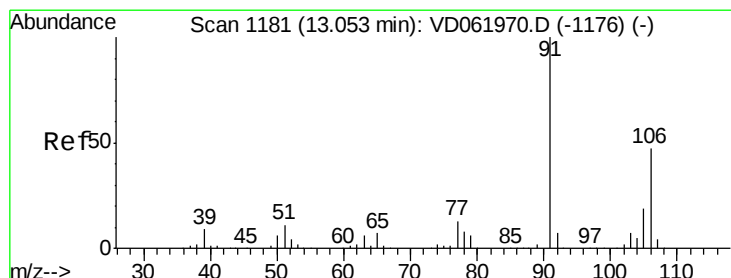
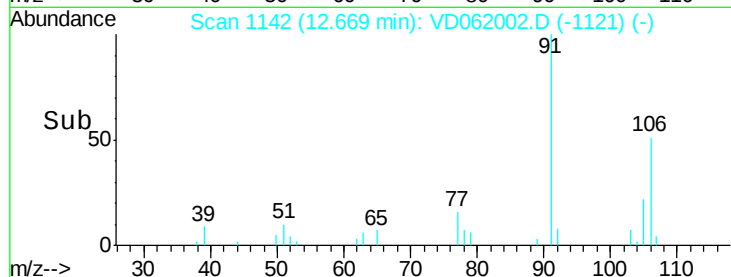
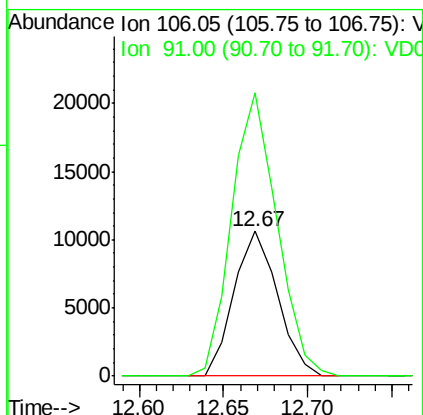
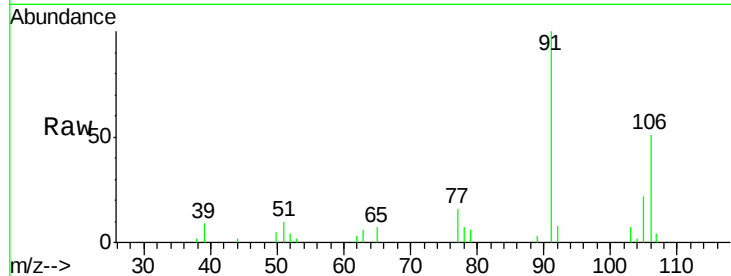




#68
m/p-Xylenes
Concen: 3.246 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062002.D
Acq: 24 Apr 2019 17:21

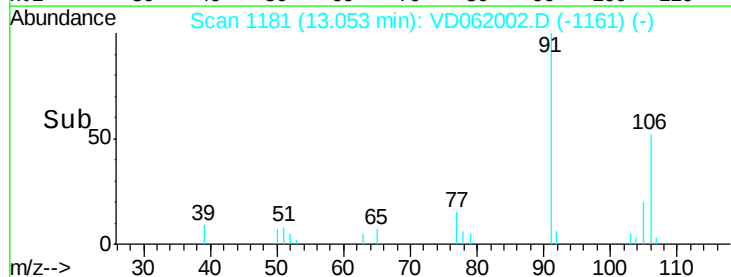
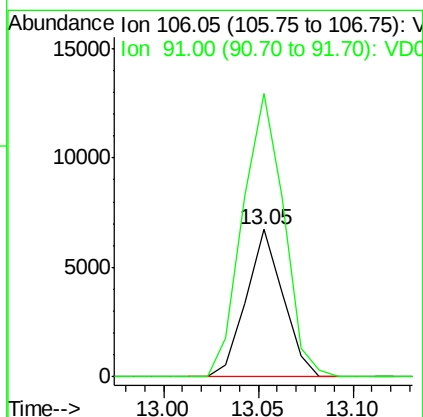
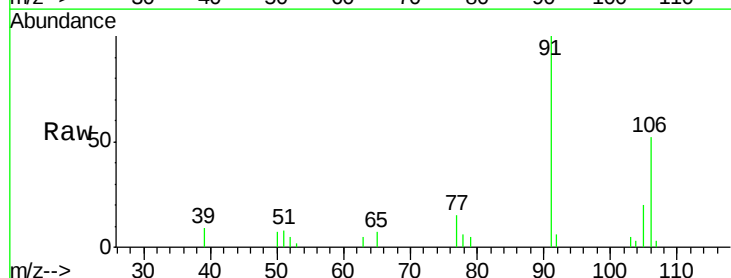
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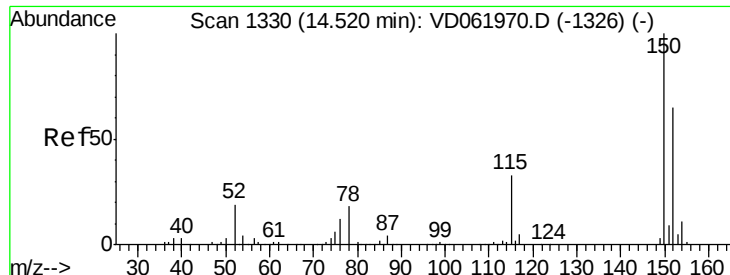
Tot Ion:106 Resp: 19028
Ion Ratio Lower Upper
106 100
91 195.2 164.0 246.0



#69
o-Xylene
Concen: 1.699 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062002.D
Acq: 24 Apr 2019 17:21

Tgt Ion:106 Resp: 9115
Ion Ratio Lower Upper
106 100
91 192.3 106.7 319.9

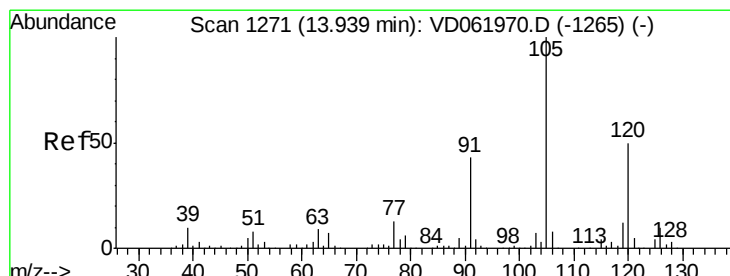
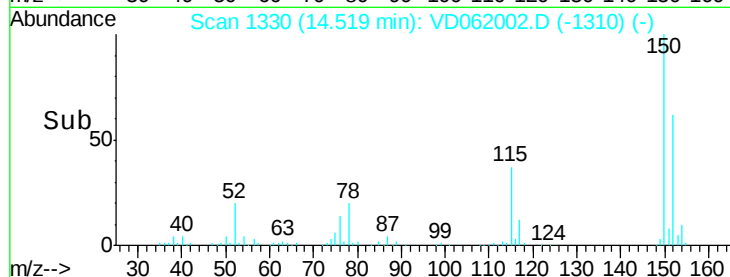
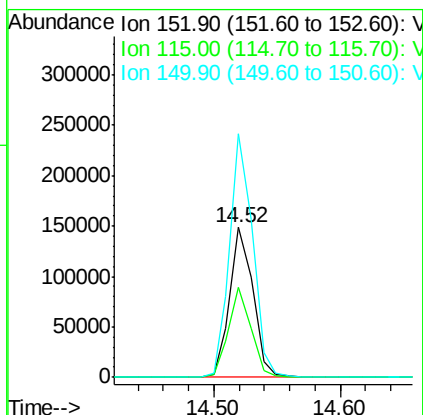
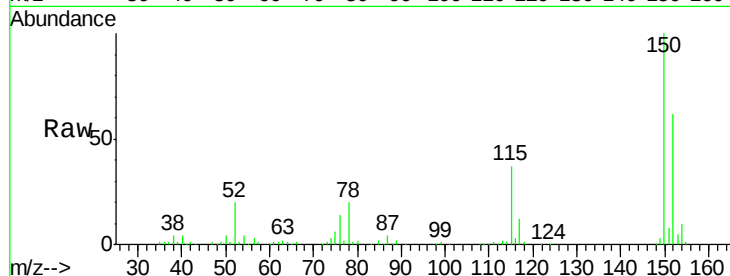




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD062002.D
 Acq: 24 Apr 2019 17:21

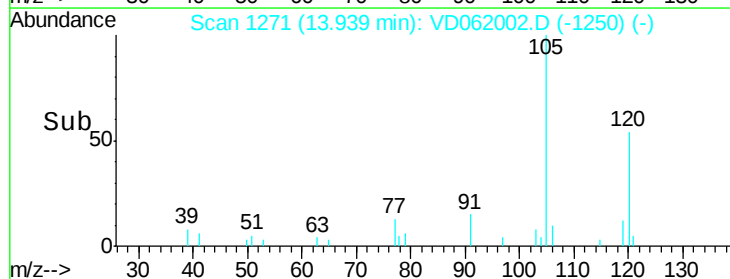
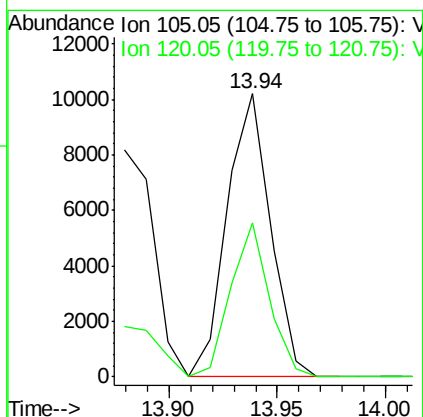
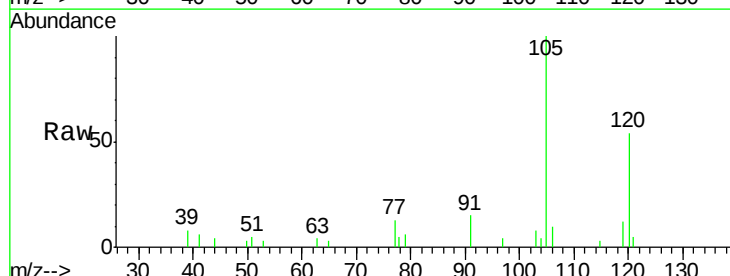
Instrument :
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 FK-SF-03-007-BRE

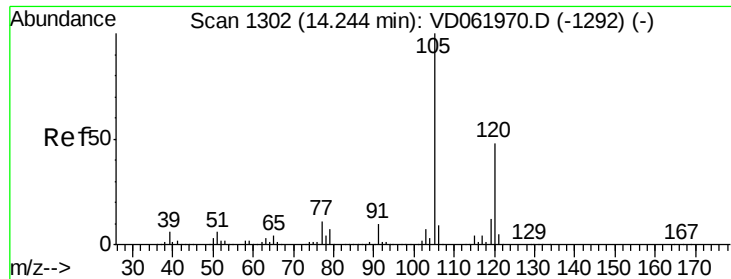
Tot Ion:152 Resp: 188546
 Ion Ratio Lower Upper
 152 100
 115 60.3 30.9 92.7
 150 162.3 0.0 314.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.420 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062002.D
 Acq: 24 Apr 2019 17:21

Tgt Ion:105 Resp: 14243
 Ion Ratio Lower Upper
 105 100
 120 54.3 24.0 72.0

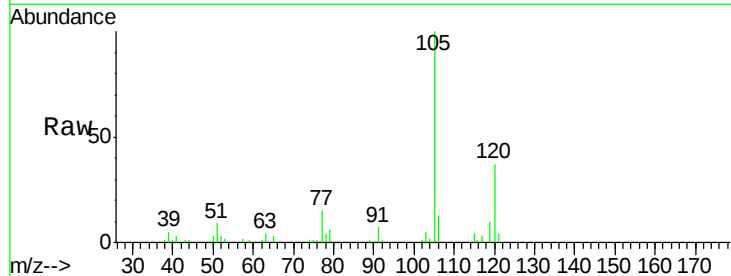




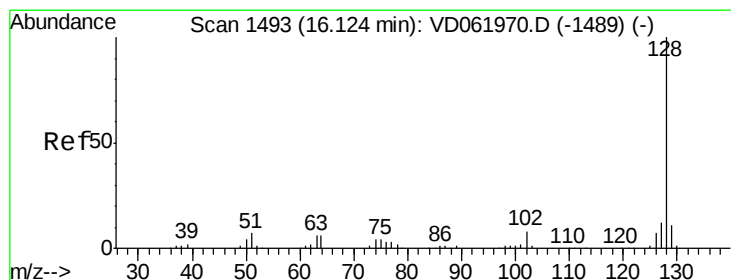
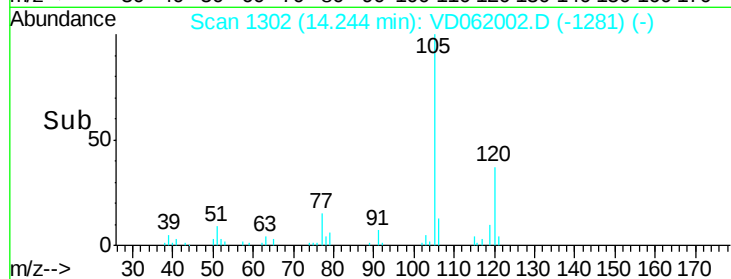
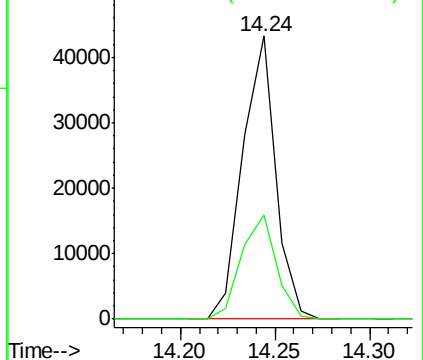
#84
 1,2,4-Trimethylbenzene
 Concen: 5.454 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062002.D
 Acq: 24 Apr 2019 17:21

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

Tot Ion:105 Resp: 52230
 Ion Ratio Lower Upper
 105 100
 120 37.0 23.1 69.2

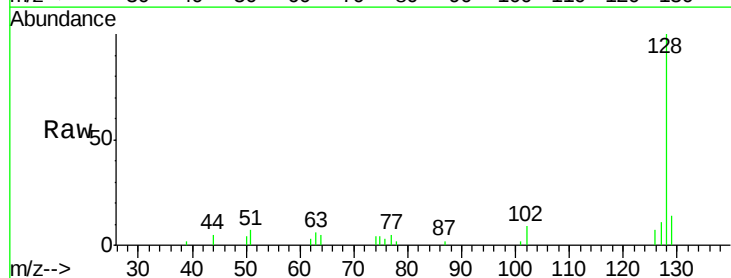


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



#95
 Naphthalene
 Concen: 4.683 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VD062002.D
 Acq: 24 Apr 2019 17:21

Tgt Ion:128 Resp: 21261
 Ion Ratio Lower Upper
 128 100
 127 11.4 9.8 14.8
 129 14.4 8.8 13.2#



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

