

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061978.D
 Acq On : 23 Apr 2019 19:09
 Operator : VA/AP
 Sample : K2540-04
 Misc : 4.89g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Apr 24 02:34:18 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	480545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	758231	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	543520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	178882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	213608	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
35) Dibromofluoromethane	6.92	113	195	0.04	ug/l	-0.02
Spiked Amount			Recovery	=	0.08%	
50) Toluene-d8	10.41	98	594461	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	13.55	95	194058	38.77	ug/l	0.00
Spiked Amount			Recovery	=	77.54%	

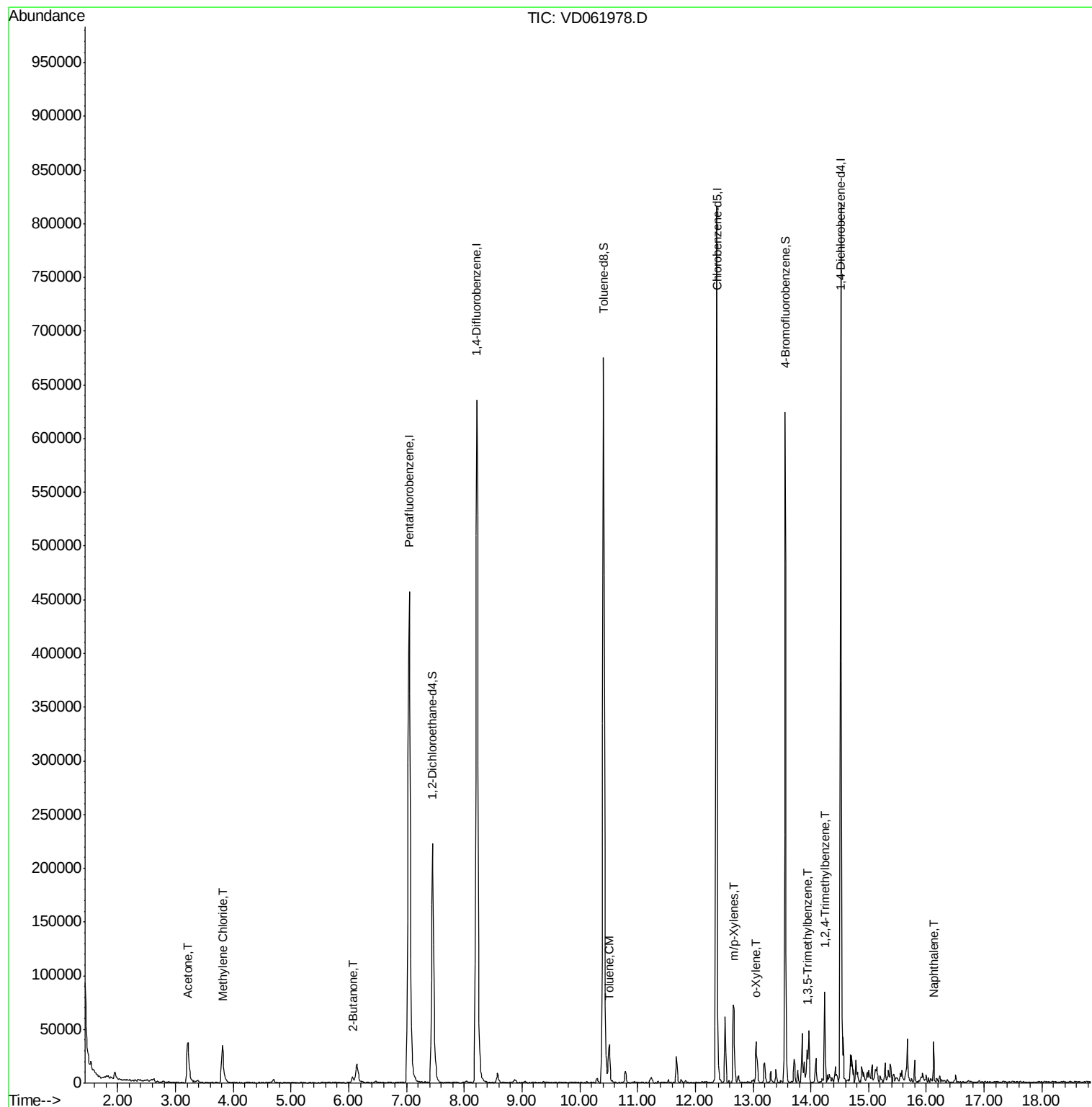
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	73089	81.389	ug/l	95
20) Methylene Chloride	3.82	84	26569	3.085	ug/l	89
25) 2-Butanone	6.07	43	12915	11.862	ug/l	94
52) Toluene	10.51	92	20268	2.174	ug/l	93
68) m/p-Xylenes	12.67	106	25781	4.255	ug/l	83
69) o-Xylene	13.05	106	10016	1.807	ug/l	85
80) 1,3,5-Trimethylbenzene	13.94	105	16848	1.771	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	43299	4.766	ug/l	96
95) Naphthalene	16.12	128	24756	5.747	ug/l	98

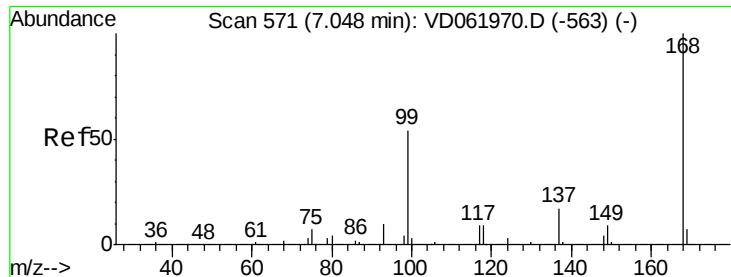
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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Quant Time: Apr 24 02:34:18 2019
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: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

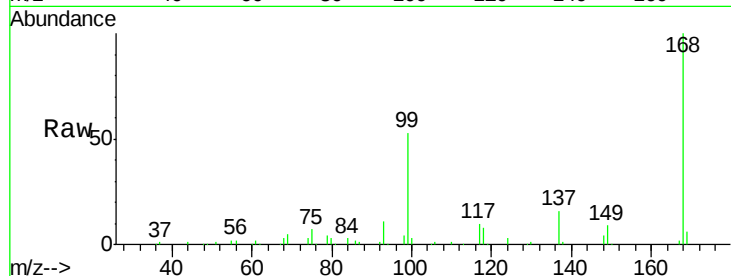
FK-SF-03-007-B

Tot Ion:168 Resp: 480545

Ion Ratio Lower Upper

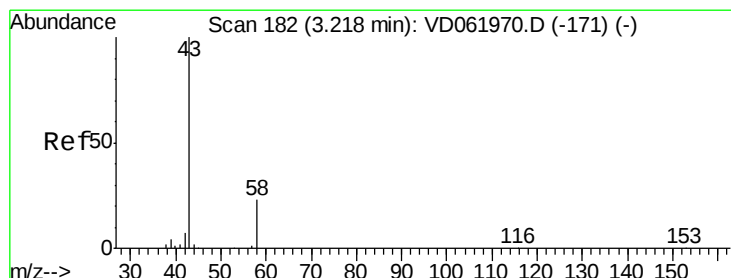
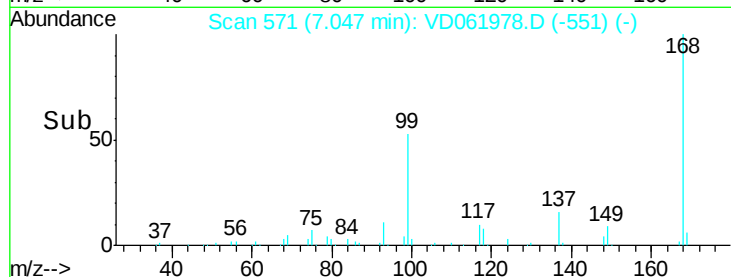
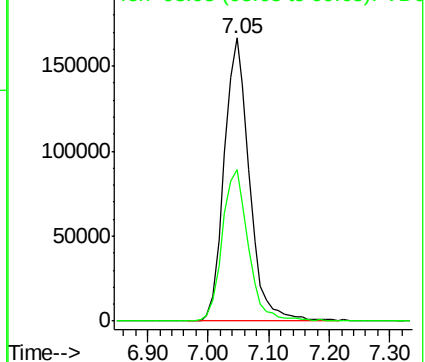
168 100

99 53.5 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: 81.389 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061978.D

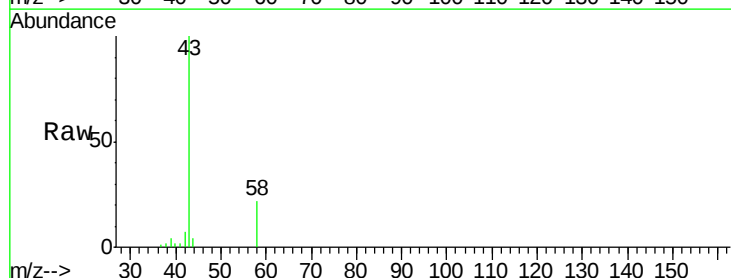
Acq: 23 Apr 2019 19:09

Tgt Ion: 43 Resp: 73089

Ion Ratio Lower Upper

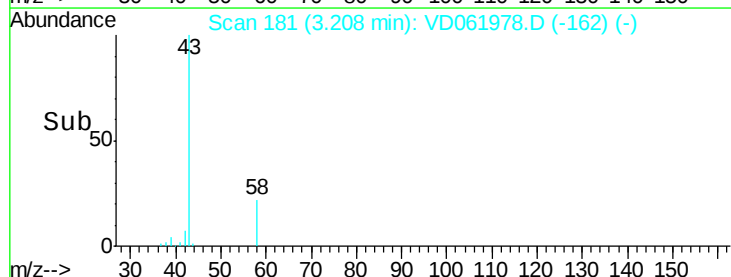
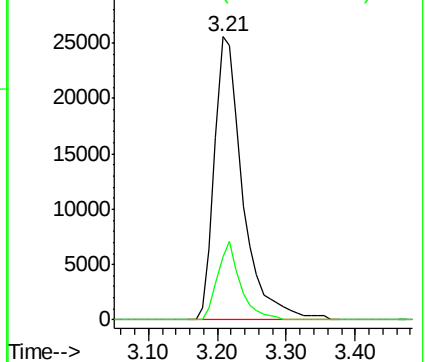
43 100

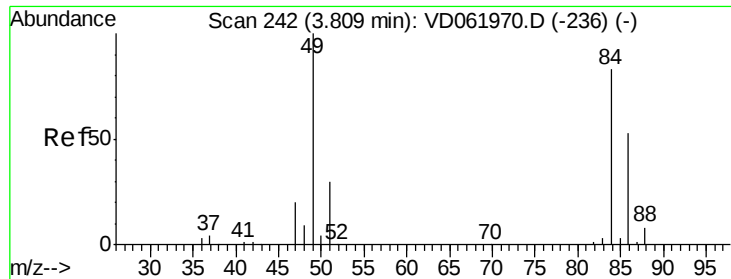
58 22.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

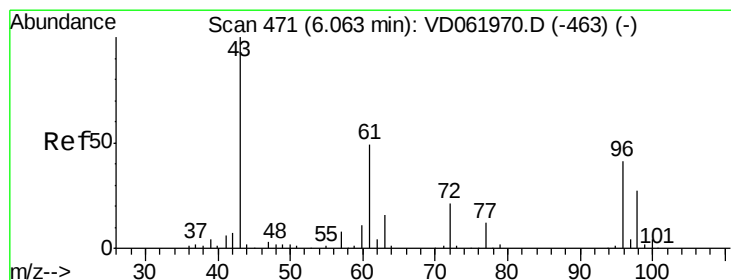
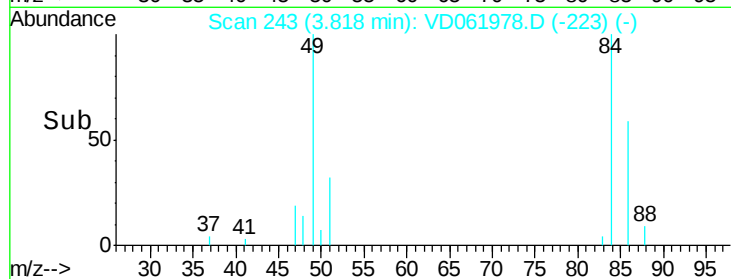
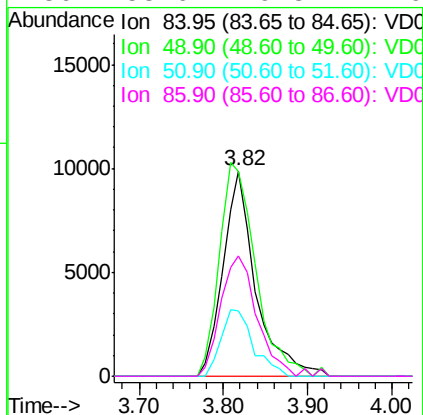
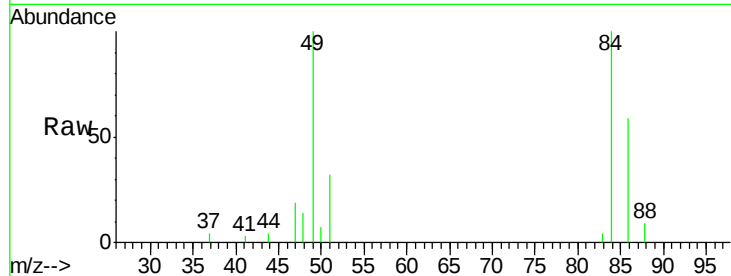




#20
Methylene Chloride
Concen: 3.085 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061978.D
Acq: 23 Apr 2019 19:09

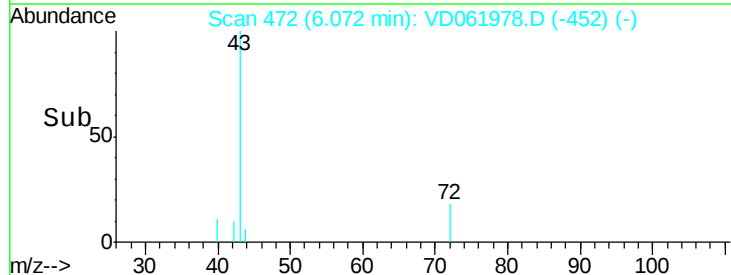
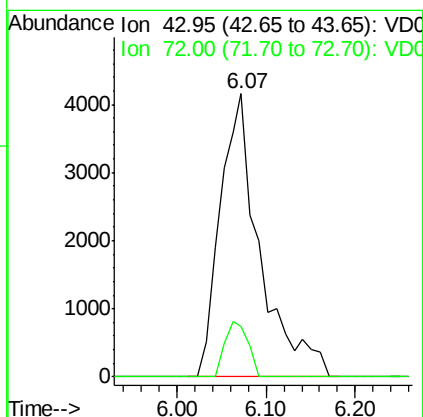
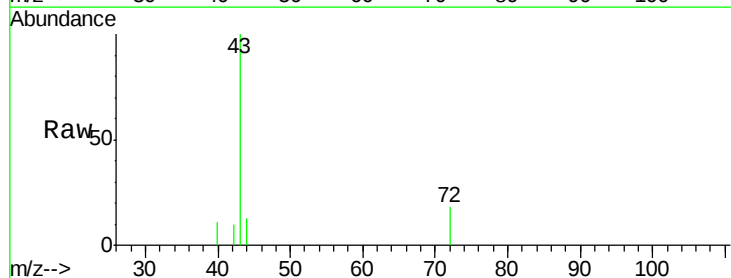
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-007-B

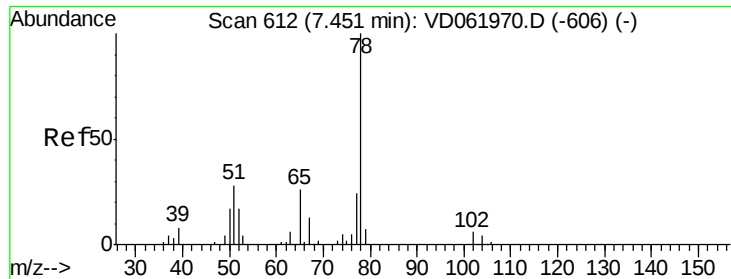
Tot Ion: 84 Resp: 26569
Ion Ratio Lower Upper
84 100
49 100.0 94.0 141.0
51 31.7 29.0 43.4
86 58.6 49.8 74.6



#25
2-Butanone
Concen: 11.862 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD061978.D
Acq: 23 Apr 2019 19:09

Tgt Ion: 43 Resp: 12915
Ion Ratio Lower Upper
43 100
72 17.7 16.2 24.4





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

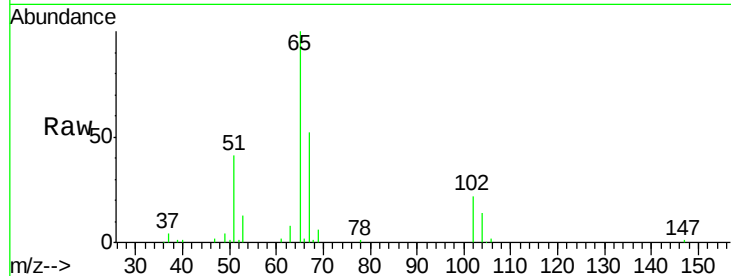
FK-SF-03-007-B

Tot Ion: 65 Resp: 213608

Ion Ratio Lower Upper

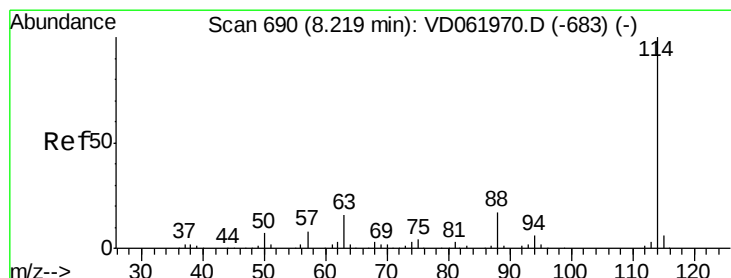
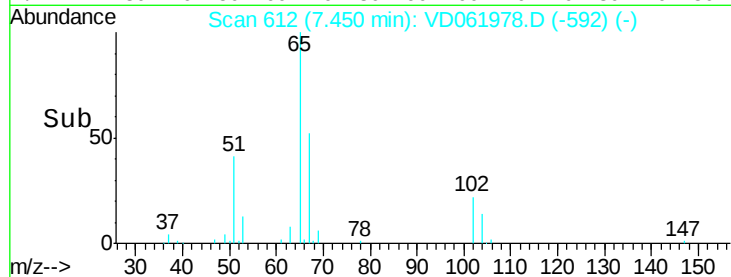
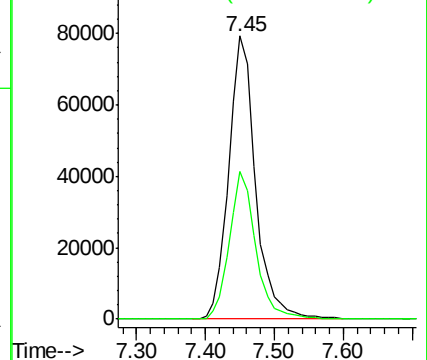
65 100

67 52.1 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. -0.01 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

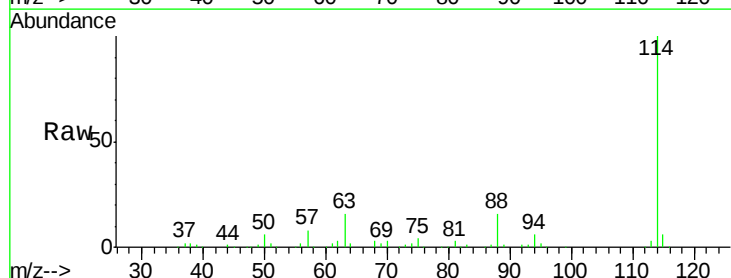
Tgt Ion: 114 Resp: 758231

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.4

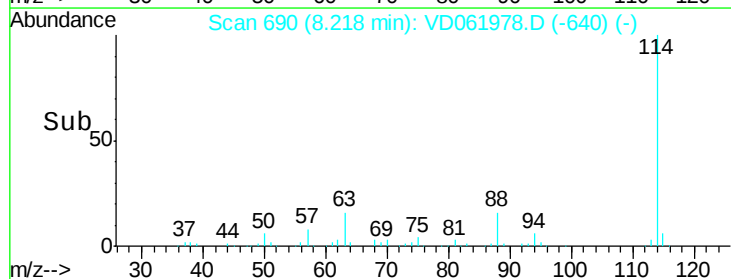
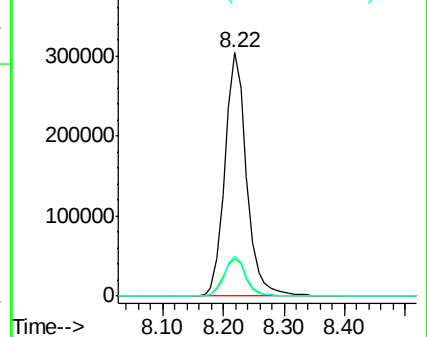
88 16.5 0.0 33.6

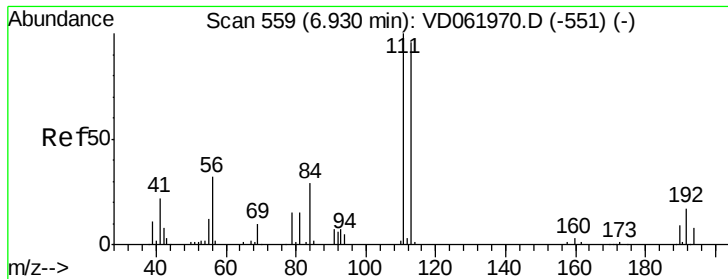


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-007-B

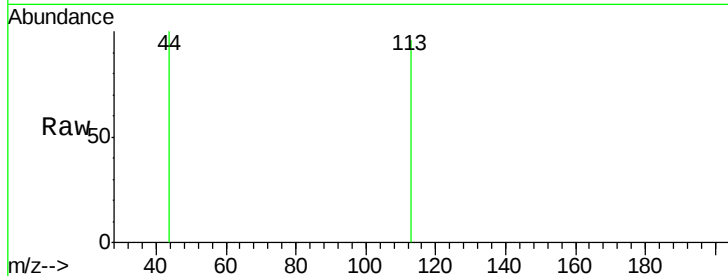
Tot Ion:113 Resp: 195

Ion Ratio Lower Upper

113 100

111 0.0 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

6.92

300

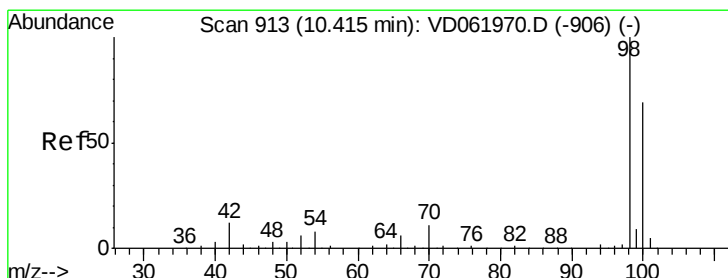
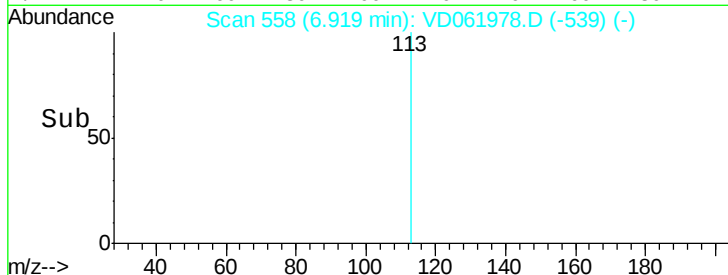
200

100

0

6.88 6.90 6.92 6.94

Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD061978.D

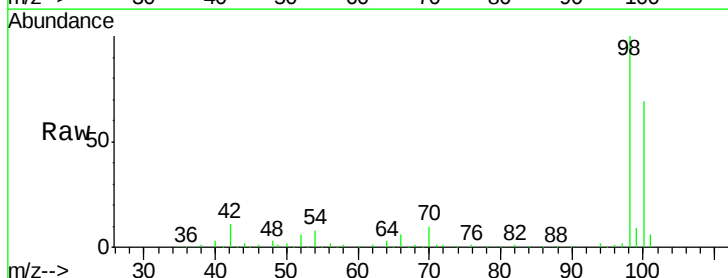
Acq: 23 Apr 2019 19:09

Tgt Ion: 98 Resp: 594461

Ion Ratio Lower Upper

98 100

100 68.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

10.41

300000

250000

200000

150000

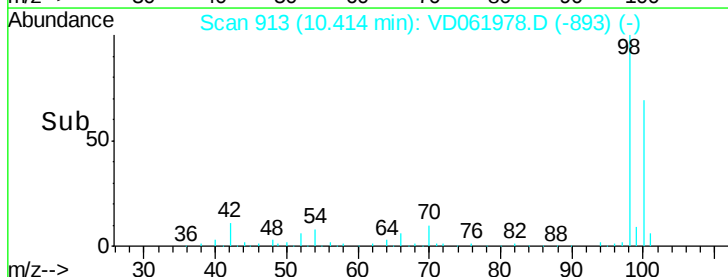
100000

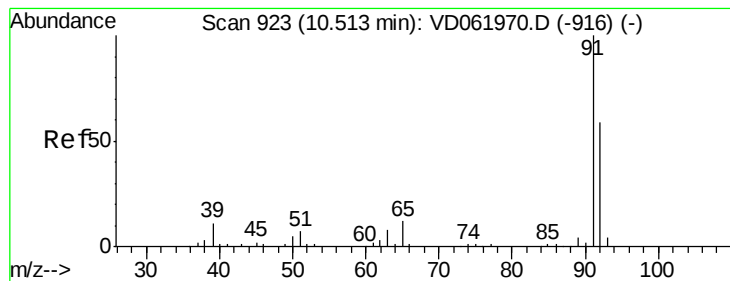
50000

0

10.30 10.40 10.50 10.60

Time-->





#52

Toluene

Concen: 2.174 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

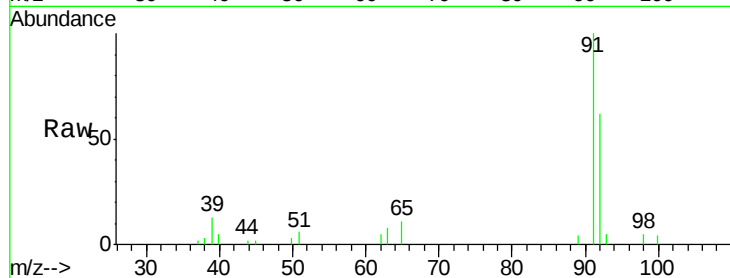
FK-SF-03-007-B

Tot Ion: 92 Resp: 20268

Ion Ratio Lower Upper

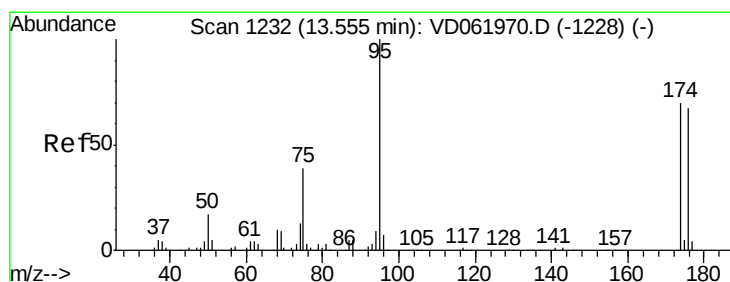
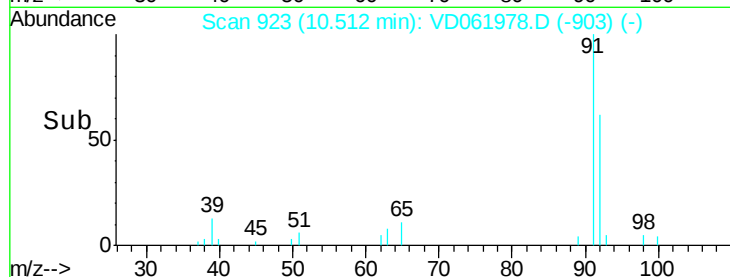
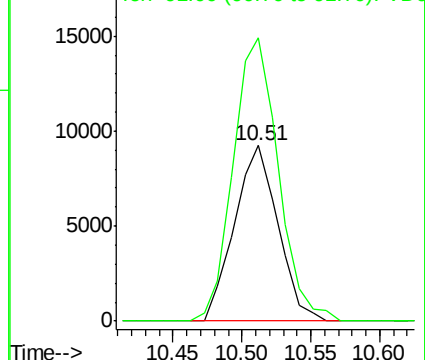
92 100

91 161.3 136.6 204.8



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. -0.01 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

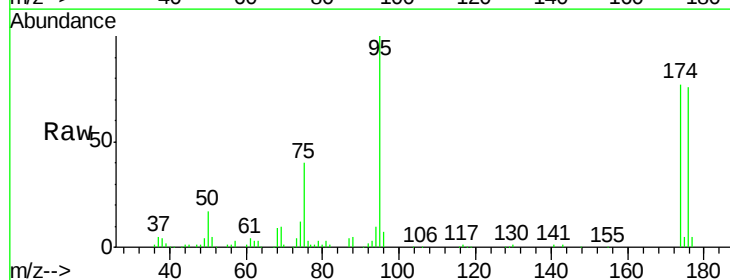
Tgt Ion: 95 Resp: 194058

Ion Ratio Lower Upper

95 100

174 76.8 0.0 181.8

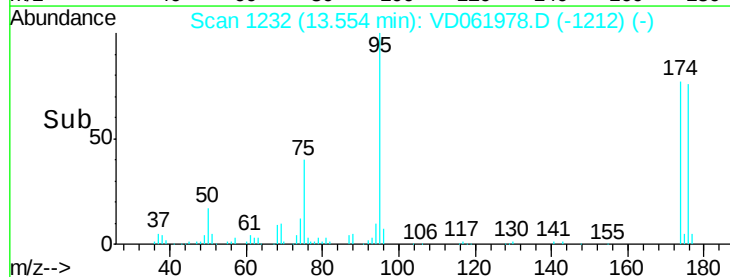
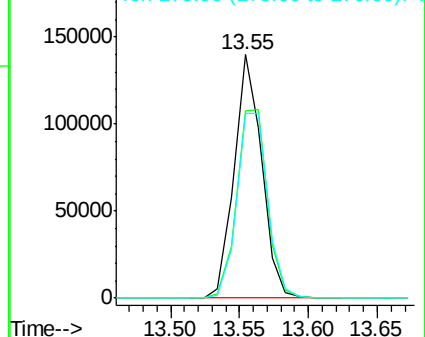
176 76.0 0.0 174.4

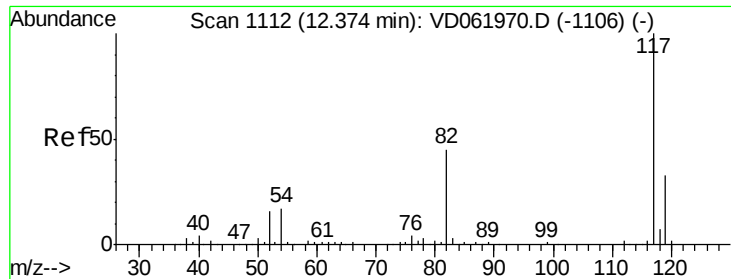


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

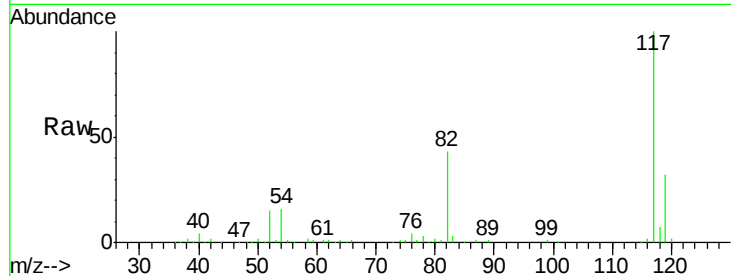




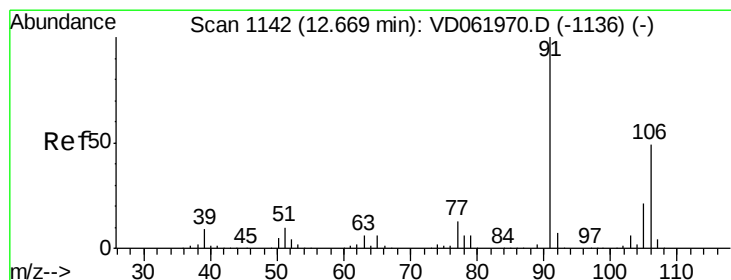
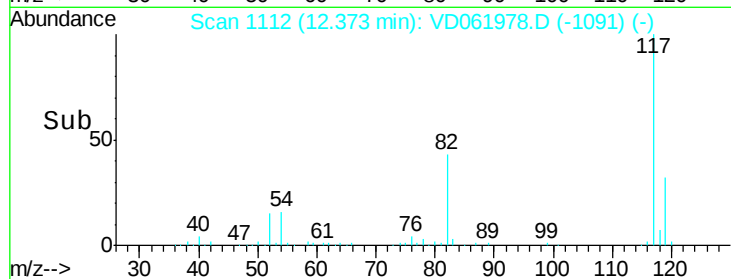
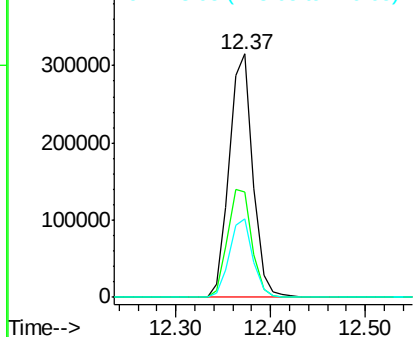
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061978.D
Acq: 23 Apr 2019 19:09

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

Tot Ion:117 Resp: 543520
Ion Ratio Lower Upper
117 100
82 43.3 36.2 54.2
119 32.4 26.2 39.4

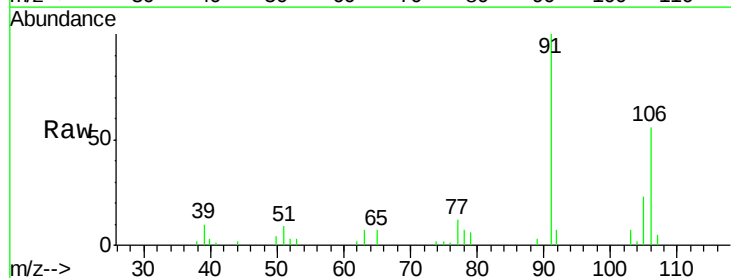


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

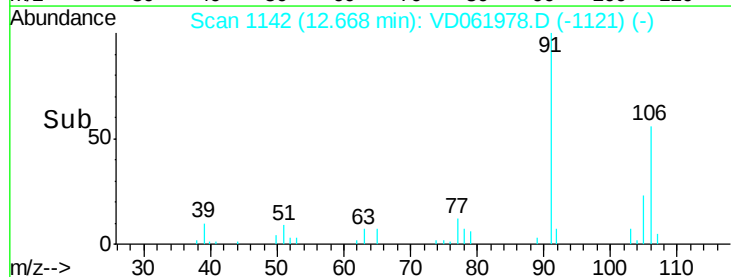
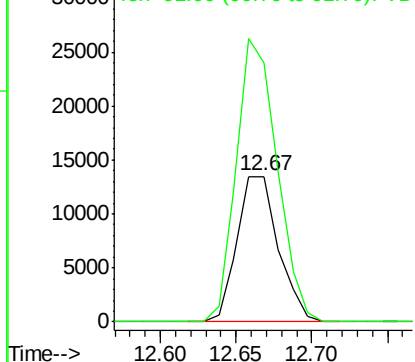


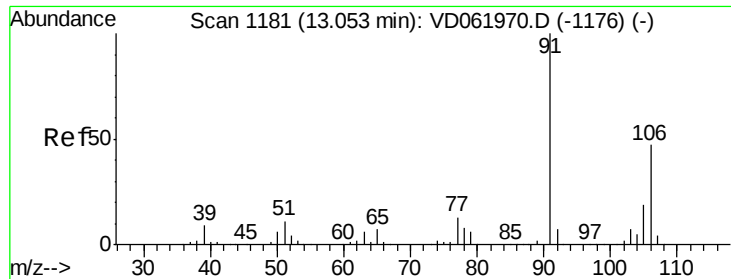
#68
m/p-Xylenes
Concen: 4.255 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061978.D
Acq: 23 Apr 2019 19:09

Tgt Ion:106 Resp: 25781
Ion Ratio Lower Upper
106 100
91 178.2 164.0 246.0



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

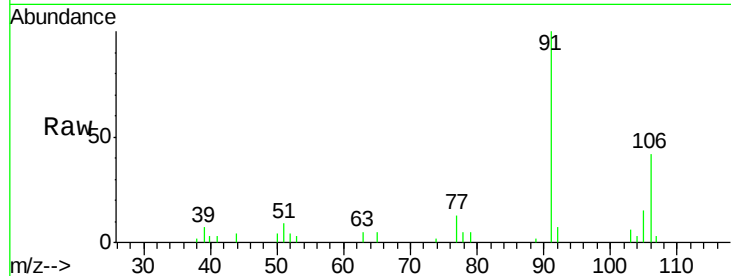




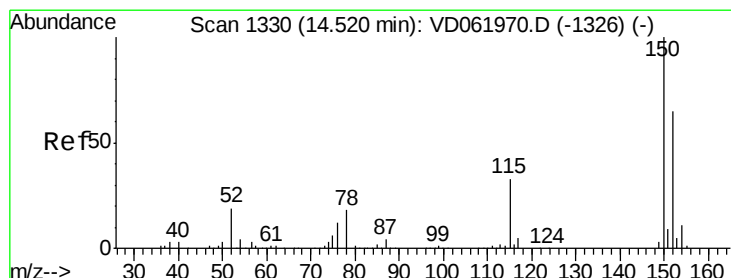
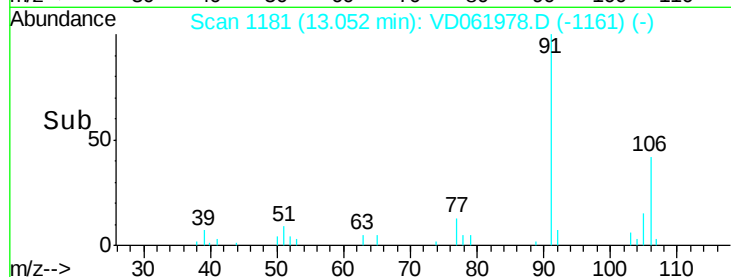
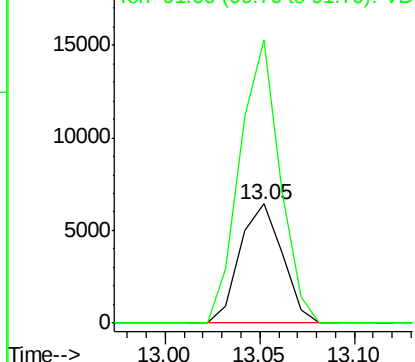
#69
o-Xylene
Concen: 1.807 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061978.D
Acq: 23 Apr 2019 19:09

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

Tot Ion:106 Resp: 10016
Ion Ratio Lower Upper
106 100
91 237.4 106.7 319.9

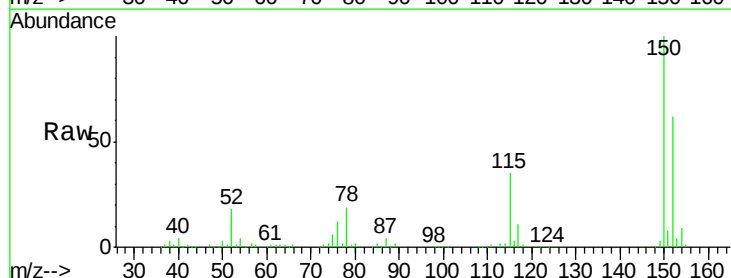


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

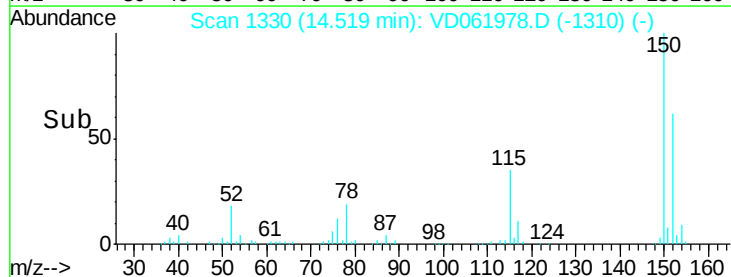
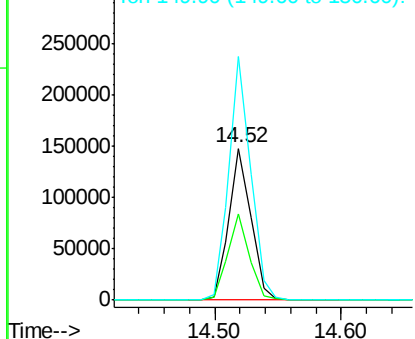


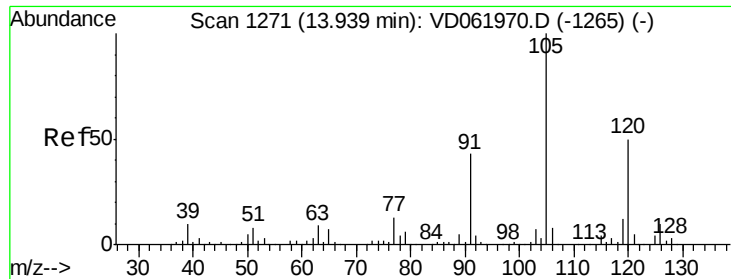
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061978.D
Acq: 23 Apr 2019 19:09

Tgt Ion:152 Resp: 178882
Ion Ratio Lower Upper
152 100
115 56.8 30.9 92.7
150 160.8 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.771 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061978.D

Acq: 23 Apr 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

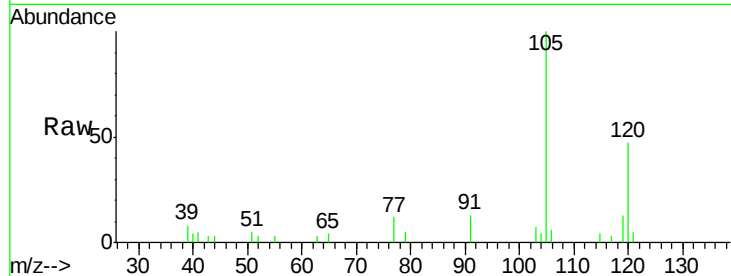
FK-SF-03-007-B

Tot Ion:105 Resp: 16848

Ion Ratio Lower Upper

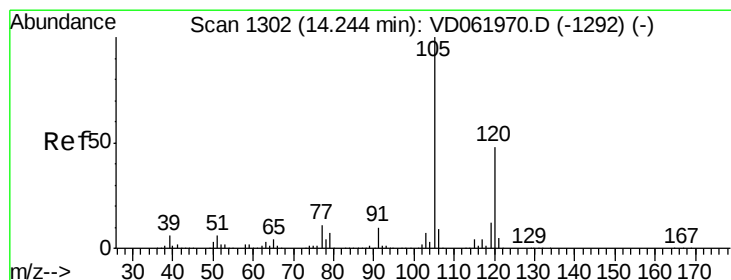
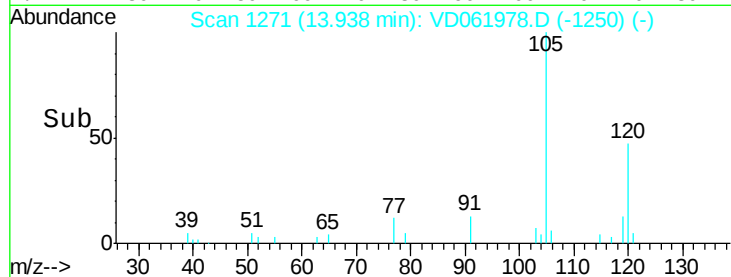
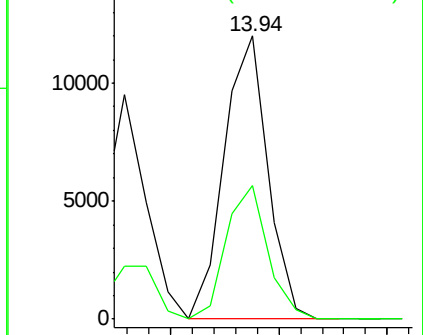
105 100

120 47.0 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: 4.766 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061978.D

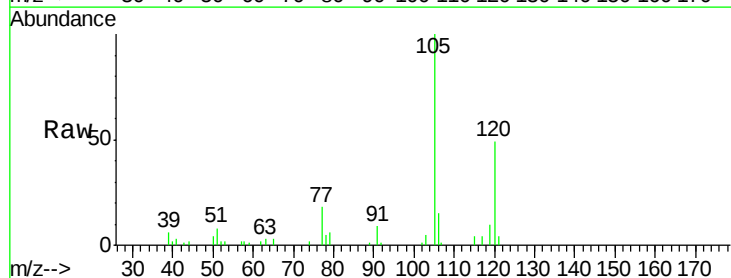
Acq: 23 Apr 2019 19:09

Tgt Ion:105 Resp: 43299

Ion Ratio Lower Upper

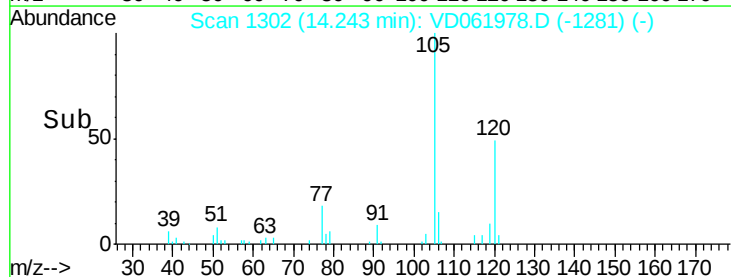
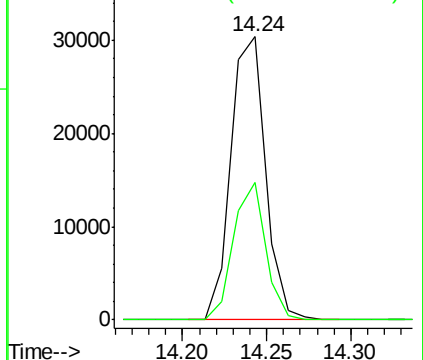
105 100

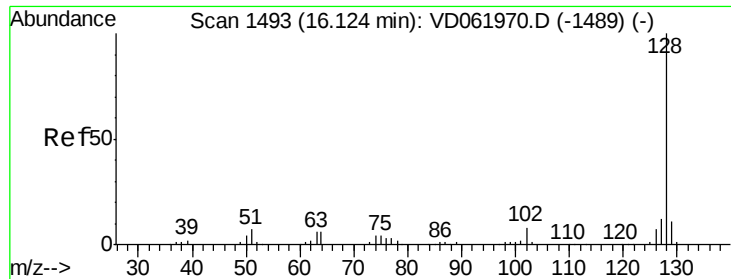
120 48.6 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#95

Naphthalene

Concen: 5.747 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD061978.D

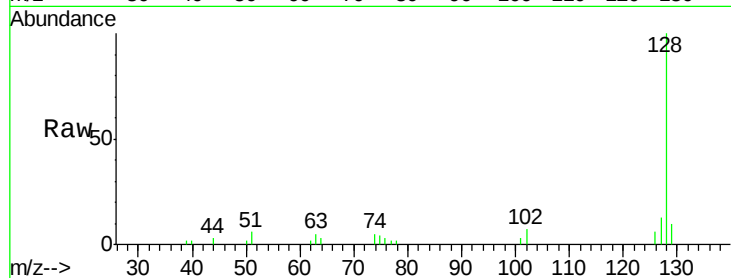
Acq: 23 Apr 2019 19:09

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-007-B



Tot Ion:128 Resp: 24756

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

129 9.5 8.8 13.2

