

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061380.D
 Acq On : 28 Mar 2019 5:57
 Operator : VA/AP
 Sample : K1950-02
 Misc : 4.20g/5ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-A

Quant Time: Mar 28 09:54:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

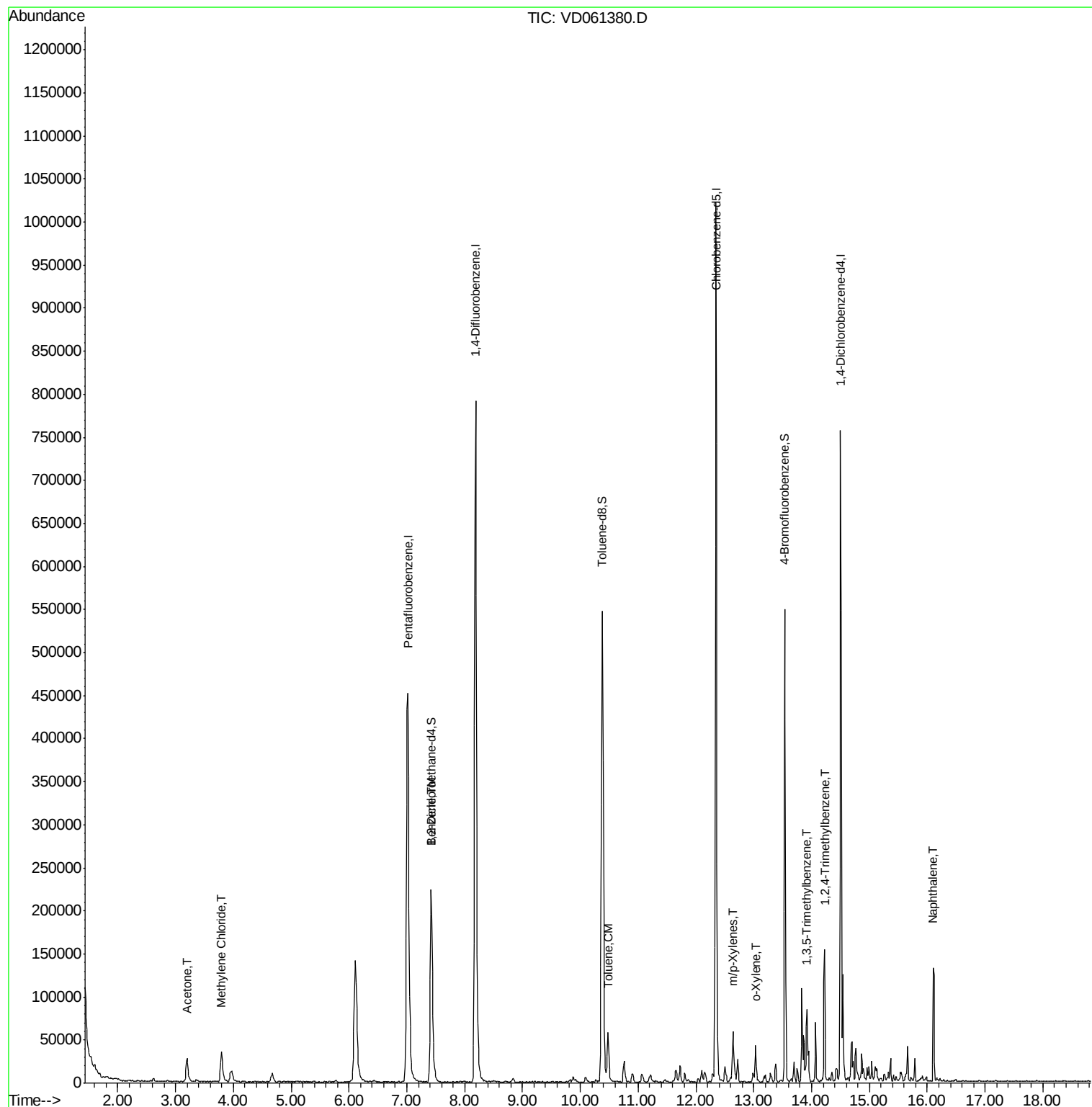
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	489454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	944626	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	642885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	179352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	188814	45.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.32%	
35) Dibromofluoromethane	7.02	113	181	0.03	ug/l	0.12
Spiked Amount 50.000			Recovery	=	0.06%	
50) Toluene-d8	10.38	98	501811	28.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.96%	
62) 4-Bromofluorobenzene	13.54	95	175504	26.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.86%	
Target Compounds						
					Qvalue	
16) Acetone	3.20	43	53626	49.893	ug/l	97
20) Methylene Chloride	3.80	84	26058	2.504	ug/l	94
40) Benzene	7.42	78	36608	1.769	ug/l	93
52) Toluene	10.48	92	32644	2.586	ug/l	96
68) m/p-Xylenes	12.64	106	18108	2.384	ug/l	92
69) o-Xylene	13.03	106	11038	1.497	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	39142	4.041	ug/l	90
84) 1,2,4-Trimethylbenzene	14.22	105	73262	6.987	ug/l	100
95) Naphthalene	16.11	128	95872	26.862	ug/l	99

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

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FK-SF-03-005-A

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD061380.D

Acq: 28 Mar 2019 5:57

Instrument :

MSVOA_D

ClientSampleId :

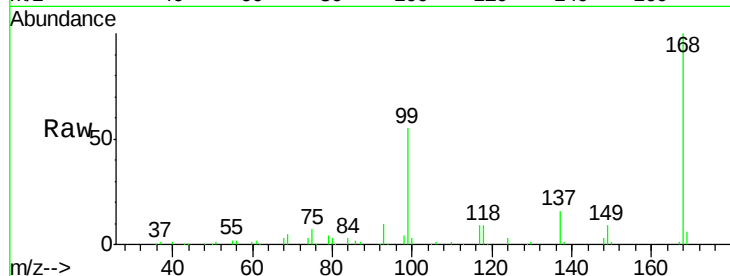
FK-SF-03-005-A

Tgt Ion:168 Resp: 489454

Ion Ratio Lower Upper

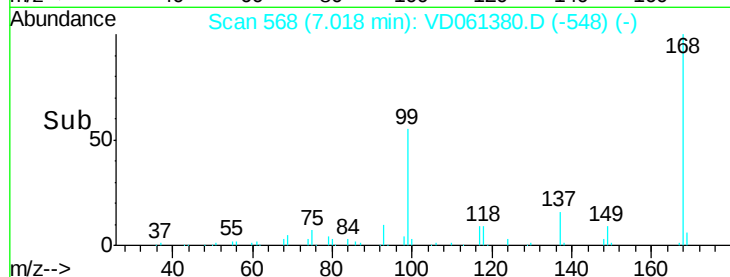
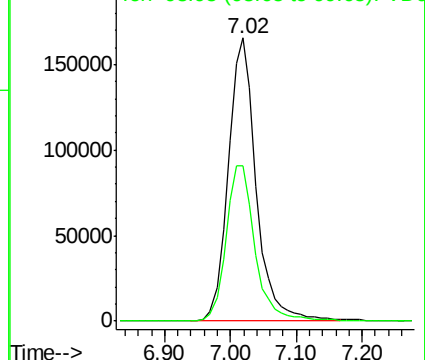
168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 49.893 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD061380.D

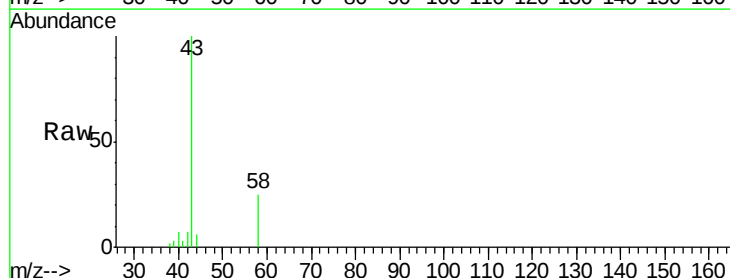
Acq: 28 Mar 2019 5:57

Tgt Ion: 43 Resp: 53626

Ion Ratio Lower Upper

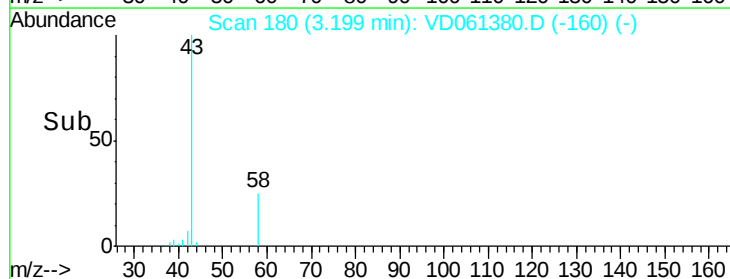
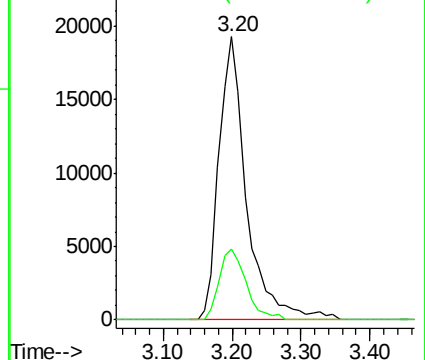
43 100

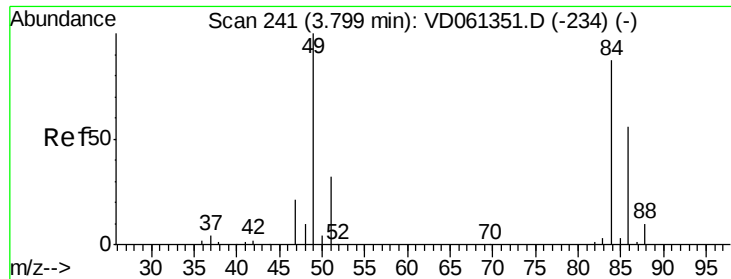
58 25.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

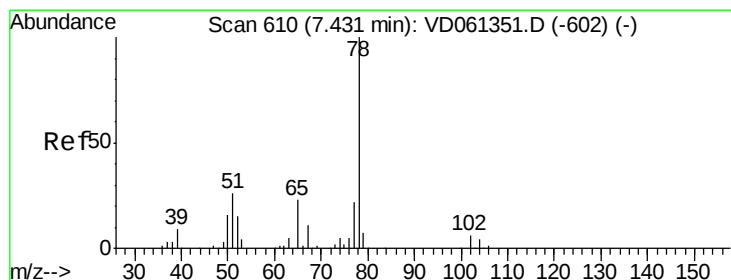
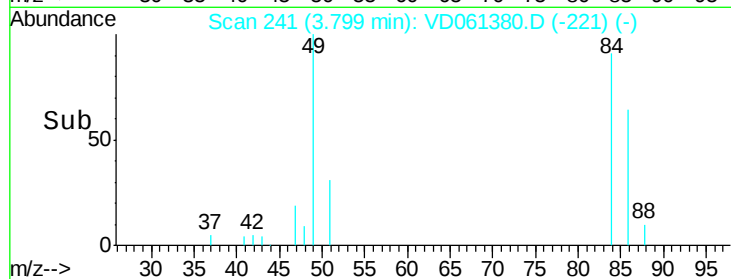
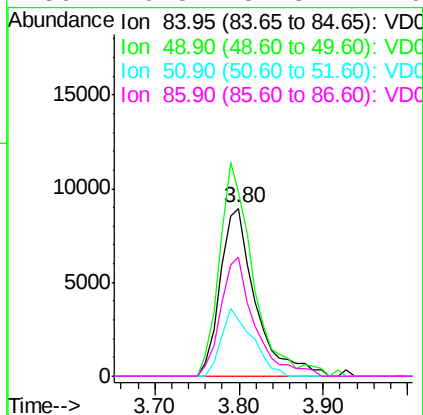
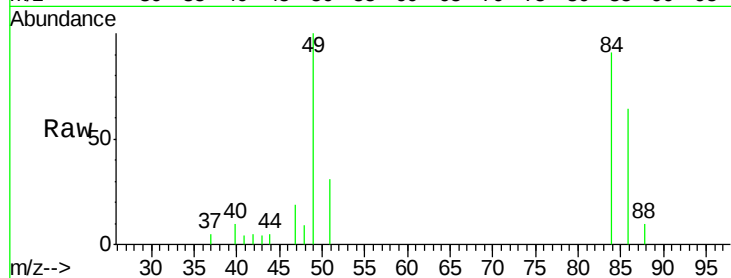




#20
Methylene Chloride
Concen: 2.504 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

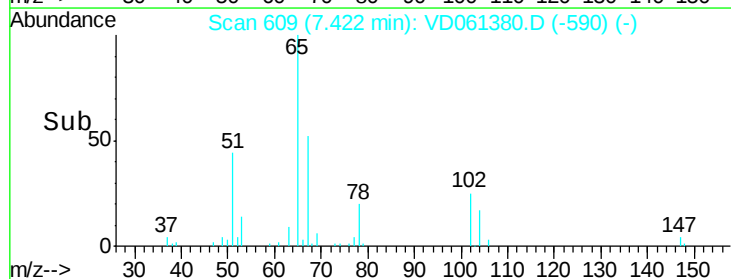
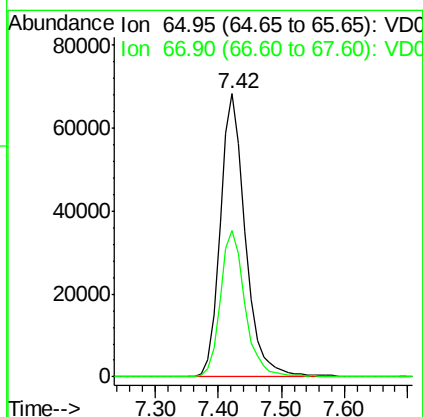
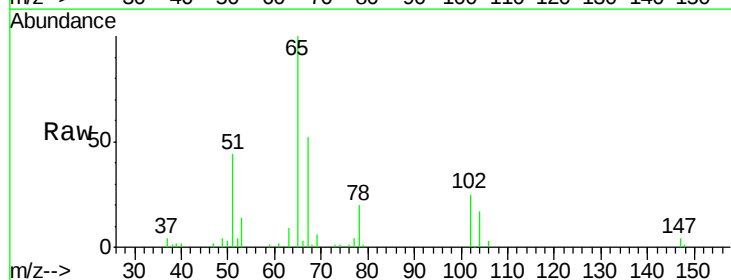
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-A

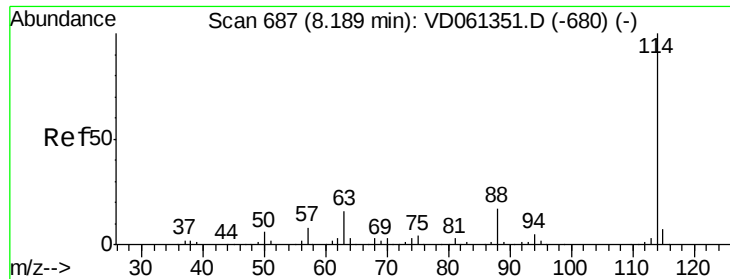
Tgt Ion:	84	Resp:	26058
Ion	Ratio	Lower	Upper
84	100		
49	109.9	91.8	137.8
51	33.6	29.8	44.8
86	70.8	51.8	77.6



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.01 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

Tgt Ion:	65	Resp:	188814
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	99.8

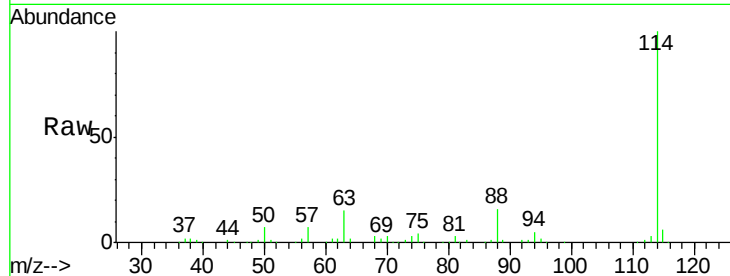




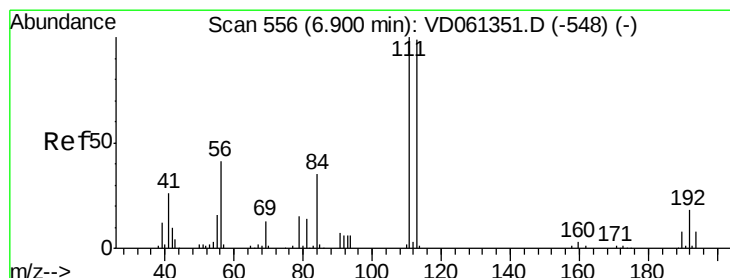
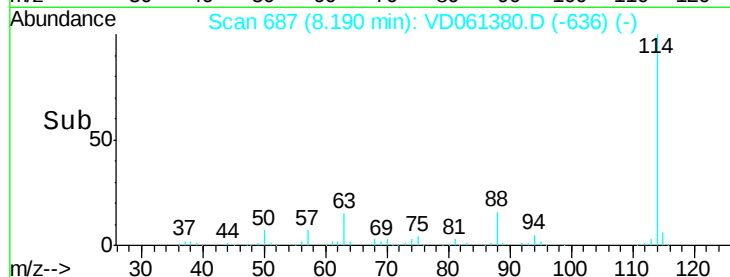
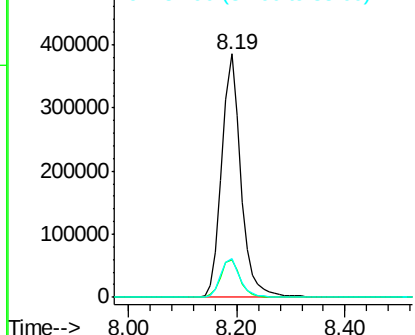
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD061380.D
 Acq: 28 Mar 2019 5:57

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-A

Tgt Ion:114 Resp: 944626
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.6
 88 15.8 0.0 33.4

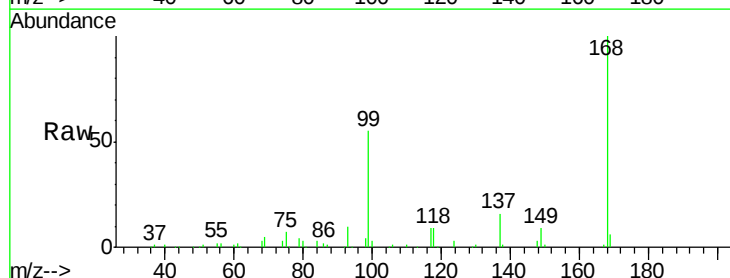


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

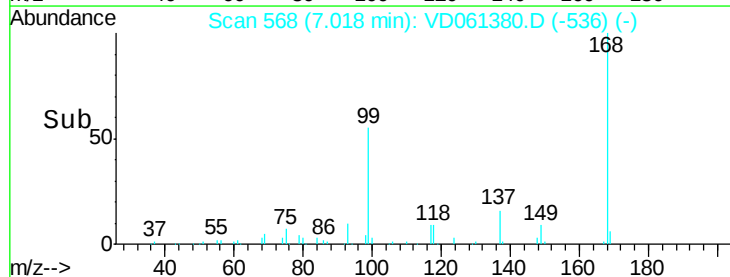
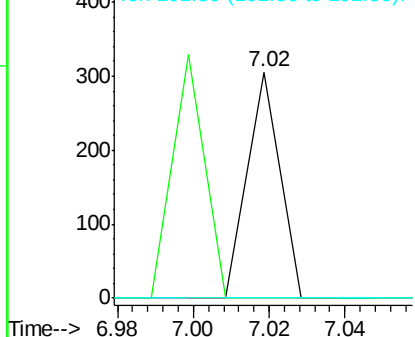


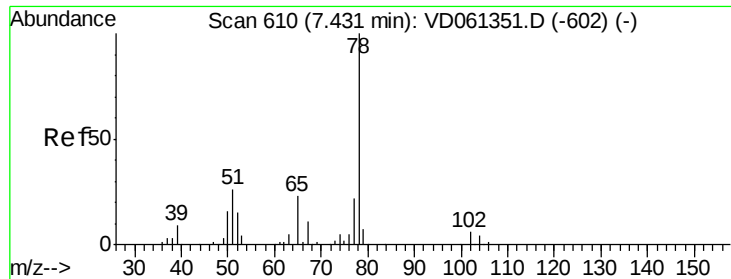
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. 0.12 min
 Lab File: VD061380.D
 Acq: 28 Mar 2019 5:57

Tgt Ion:113 Resp: 181
 Ion Ratio Lower Upper
 113 100
 111 0.0 81.0 121.6#
 192 0.0 14.4 21.6#



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





#40

Benzene

Concen: 1.769 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061380.D

Acq: 28 Mar 2019 5:57

Instrument :

MSVOA_D

ClientSampleId :

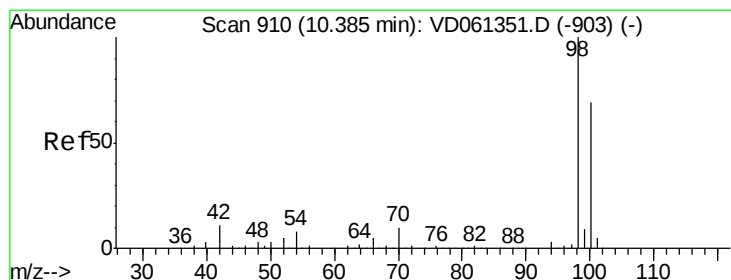
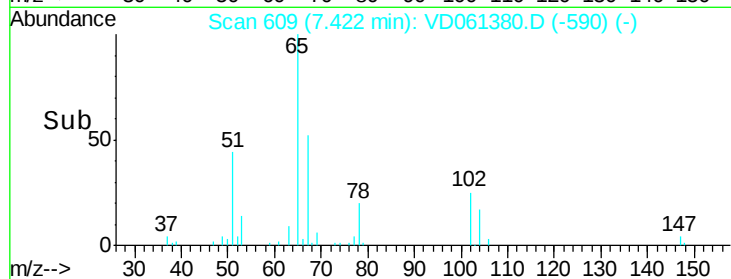
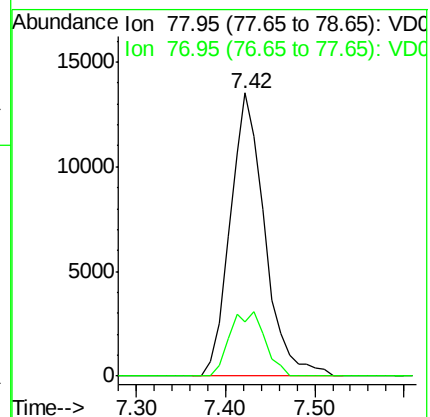
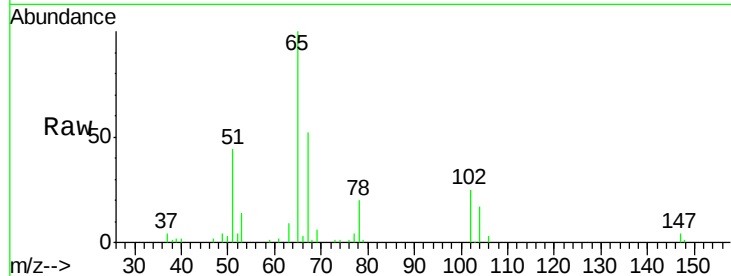
FK-SF-03-005-A

Tgt Ion: 78 Resp: 36608

Ion Ratio Lower Upper

78 100

77 19.0 17.8 26.6



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.38 min Scan# 909

Delta R.T. -0.01 min

Lab File: VD061380.D

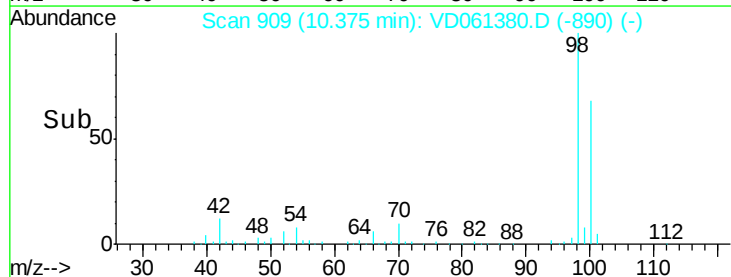
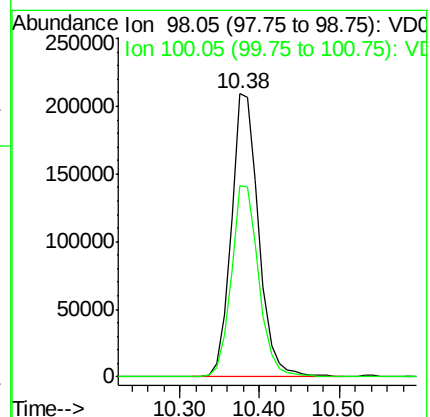
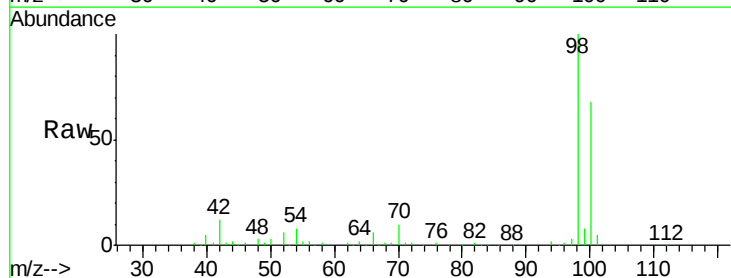
Acq: 28 Mar 2019 5:57

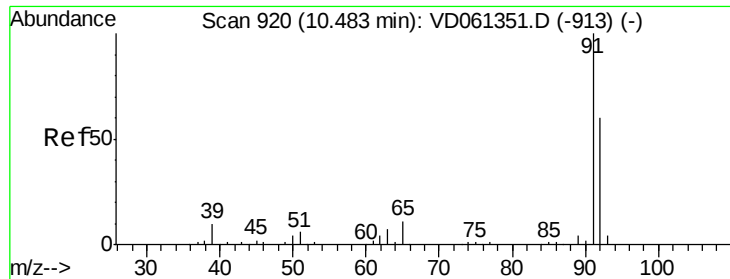
Tgt Ion: 98 Resp: 501811

Ion Ratio Lower Upper

98 100

100 67.5 56.2 84.2





#52

Toluene

Concen: 2.586 ug/l

RT: 10.48 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD061380.D

Acq: 28 Mar 2019 5:57

Instrument :

MSVOA_D

ClientSampleId :

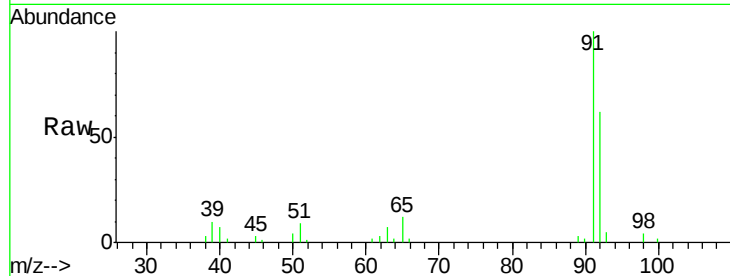
FK-SF-03-005-A

Tgt Ion: 92 Resp: 32644

Ion Ratio Lower Upper

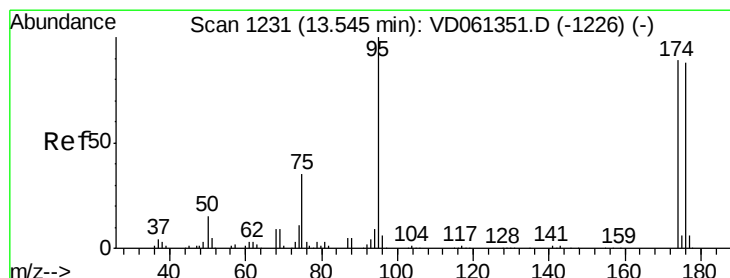
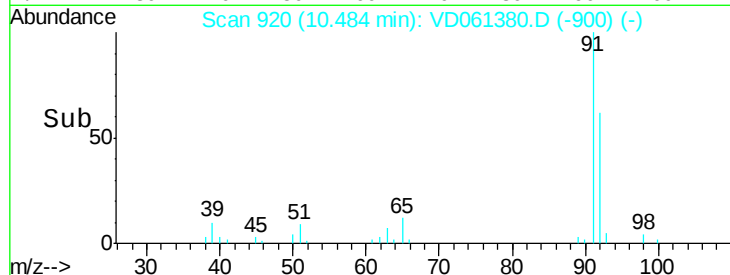
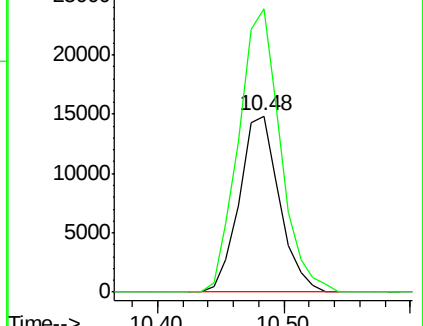
92 100

91 160.8 133.3 199.9



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: 13.54 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD061380.D

Acq: 28 Mar 2019 5:57

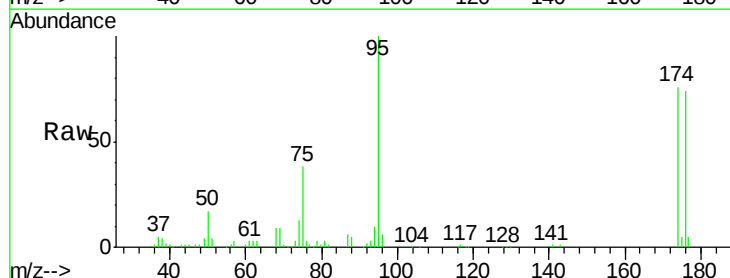
Tgt Ion: 95 Resp: 175504

Ion Ratio Lower Upper

95 100

174 76.4 0.0 178.0

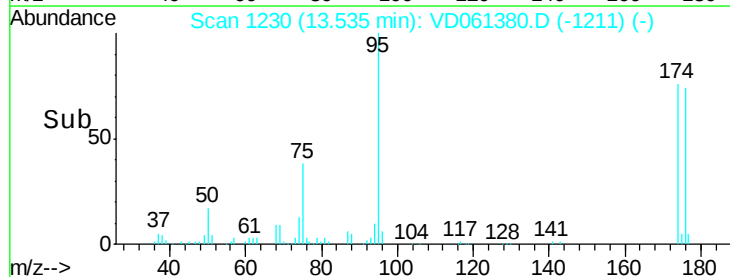
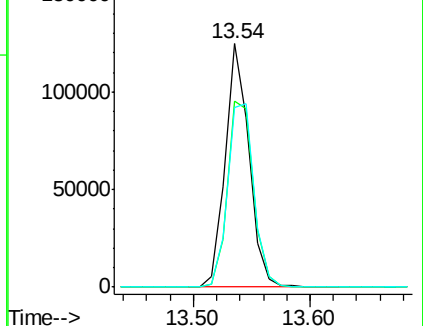
176 73.9 0.0 175.0

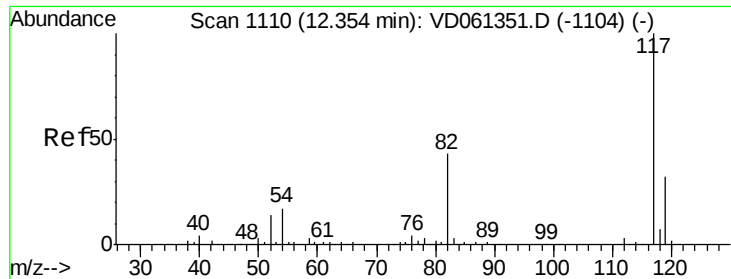


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

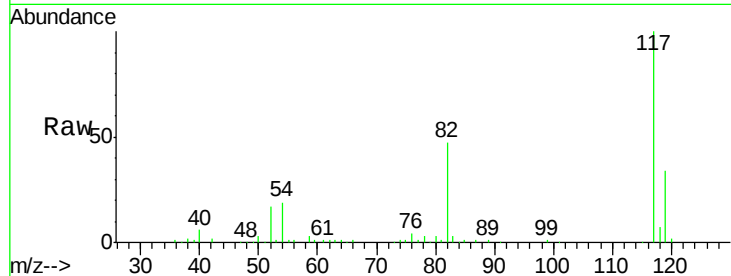




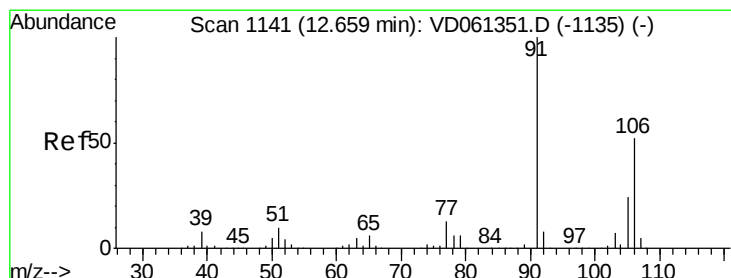
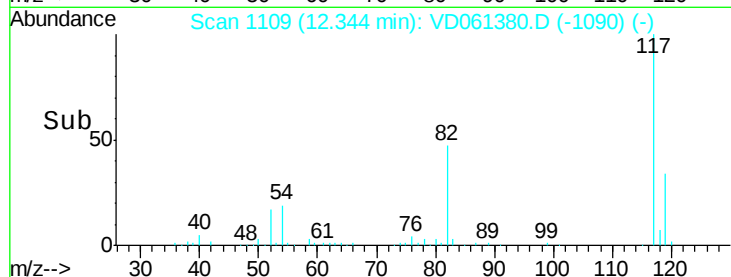
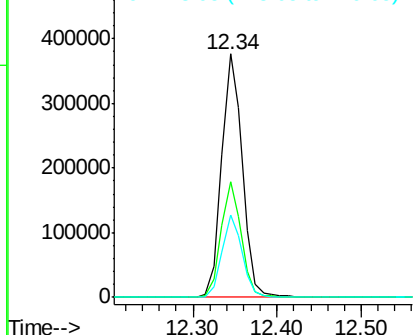
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-A

Tgt Ion:117 Resp: 642885
Ion Ratio Lower Upper
117 100
82 47.3 34.4 51.6
119 33.7 25.8 38.6

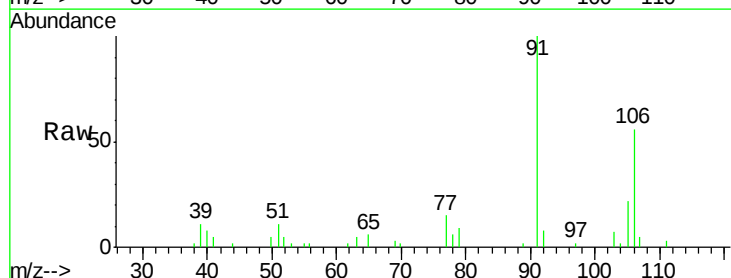


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

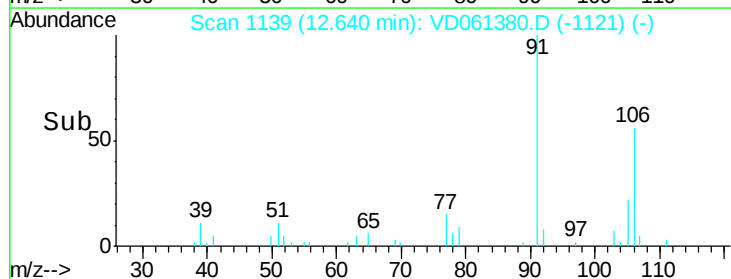
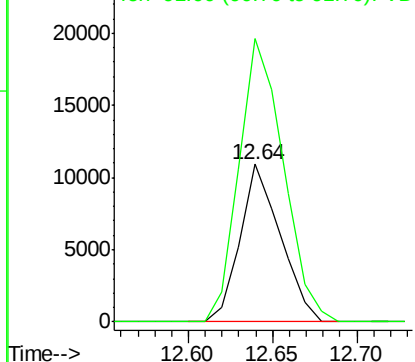


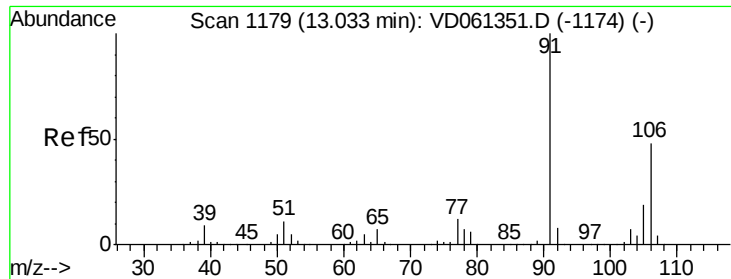
#68
m/p-Xylenes
Concen: 2.384 ug/l
RT: 12.64 min Scan# 1139
Delta R.T. -0.02 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

Tgt Ion:106 Resp: 18108
Ion Ratio Lower Upper
106 100
91 179.9 153.1 229.7



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

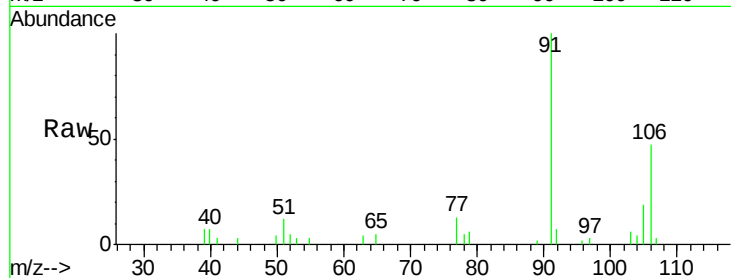




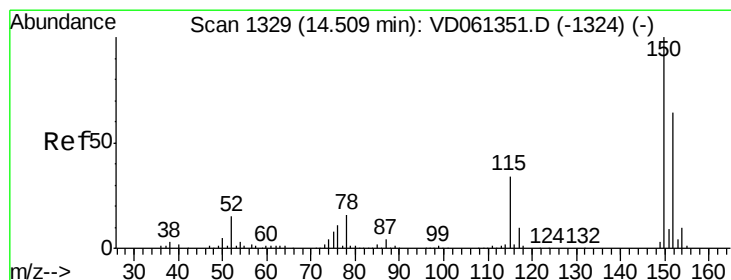
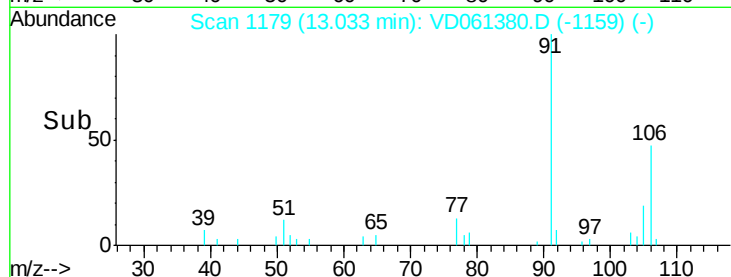
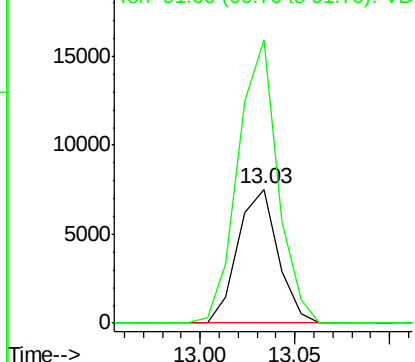
#69
o-Xylene
Concen: 1.497 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-A

Tgt Ion:106 Resp: 11038
Ion Ratio Lower Upper
106 100
91 211.3 103.8 311.3

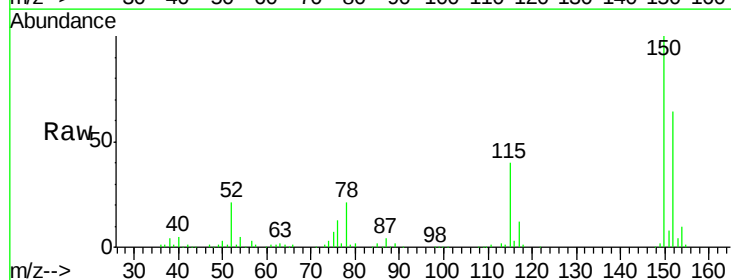


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

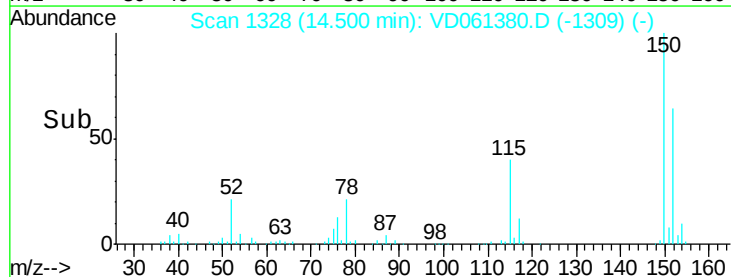
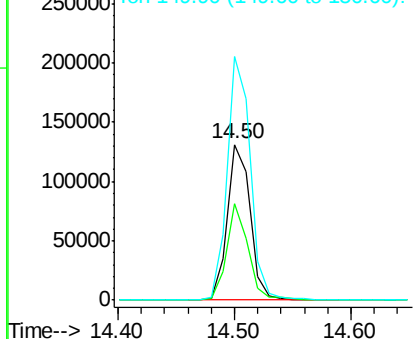


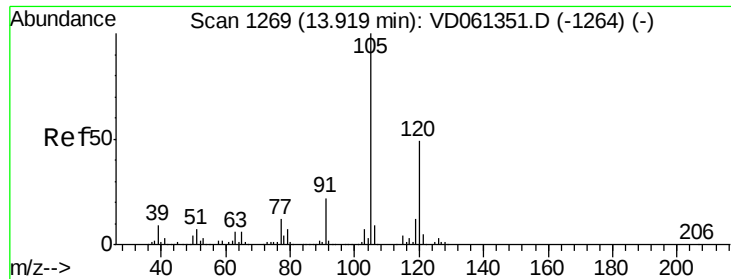
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

Tgt Ion:152 Resp: 179352
Ion Ratio Lower Upper
152 100
115 61.9 26.9 80.6
150 156.2 0.0 318.0



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

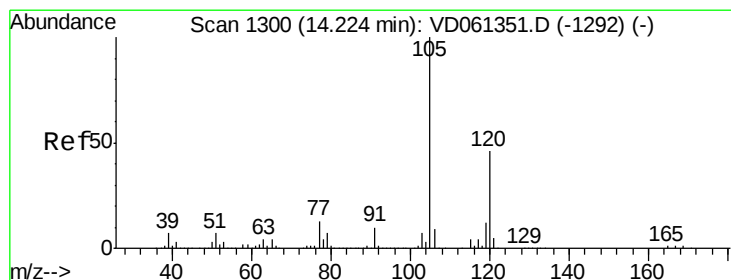
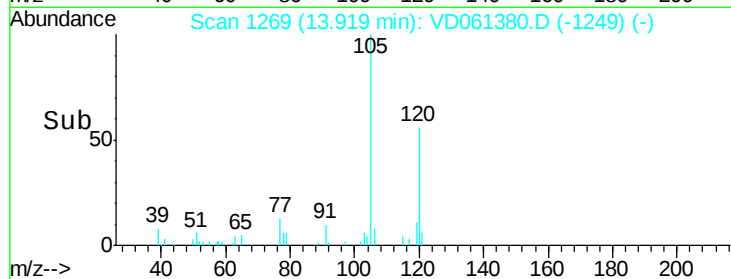
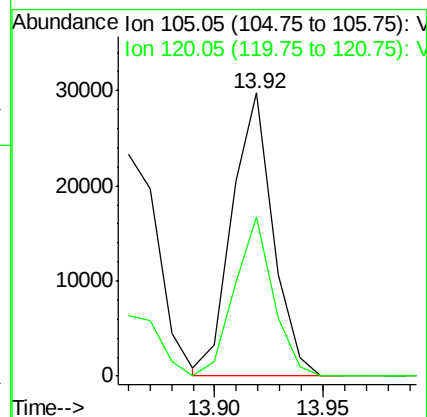
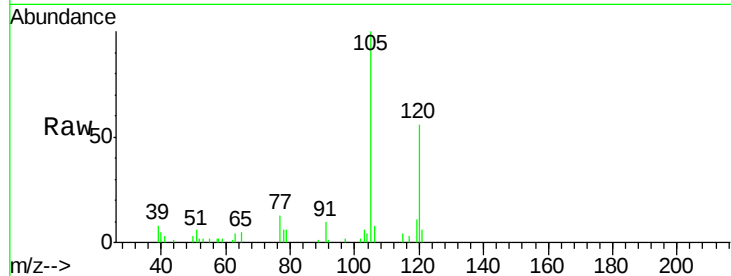




#80
 1,3,5-Trimethylbenzene
 Concen: 4.041 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD061380.D
 Acq: 28 Mar 2019 5:57

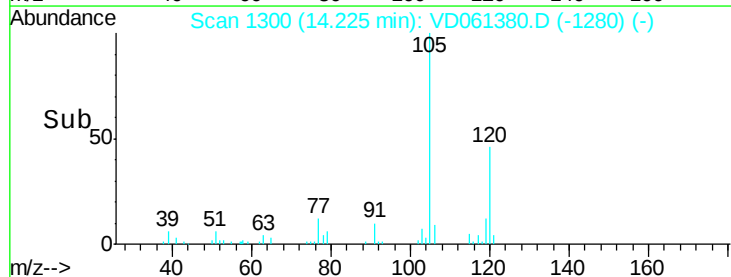
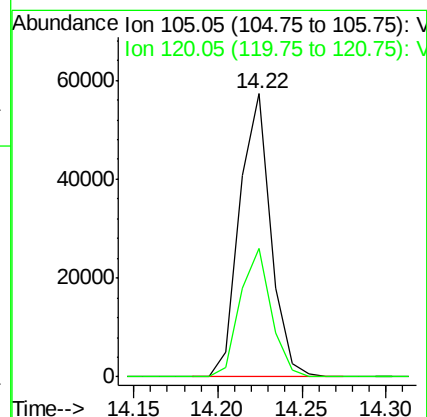
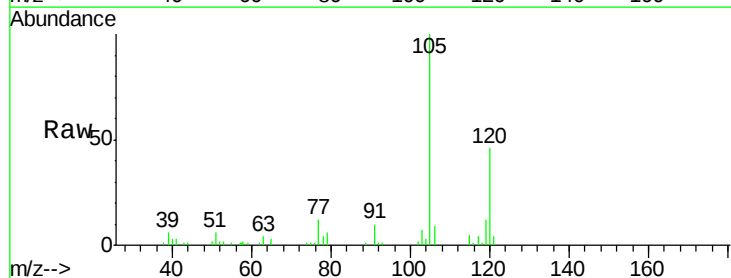
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-A

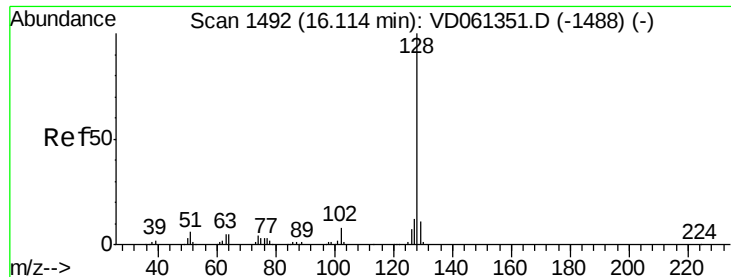
Tgt Ion:105 Resp: 39142
 Ion Ratio Lower Upper
 105 100
 120 56.1 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 6.987 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VD061380.D
 Acq: 28 Mar 2019 5:57

Tgt Ion:105 Resp: 73262
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4

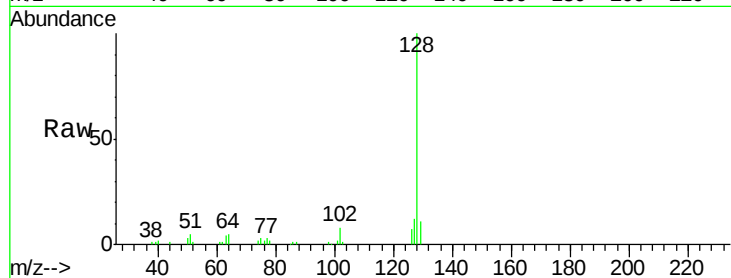




#95
Naphthalene
Concen: 26.862 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061380.D
Acq: 28 Mar 2019 5:57

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.9	14.9
129	11.1	8.9	13.3



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

