

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061381.D
 Acq On : 28 Mar 2019 6:24
 Operator : VA/AP
 Sample : K1950-04
 Misc : 3.72g/5ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Mar 28 08:02:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	539342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.18	114	976582	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	706237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	212345	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	185242	40.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.42%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	10.38	98	546454	30.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.06%	
62) 4-Bromofluorobenzene	13.54	95	186160	27.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.24%	

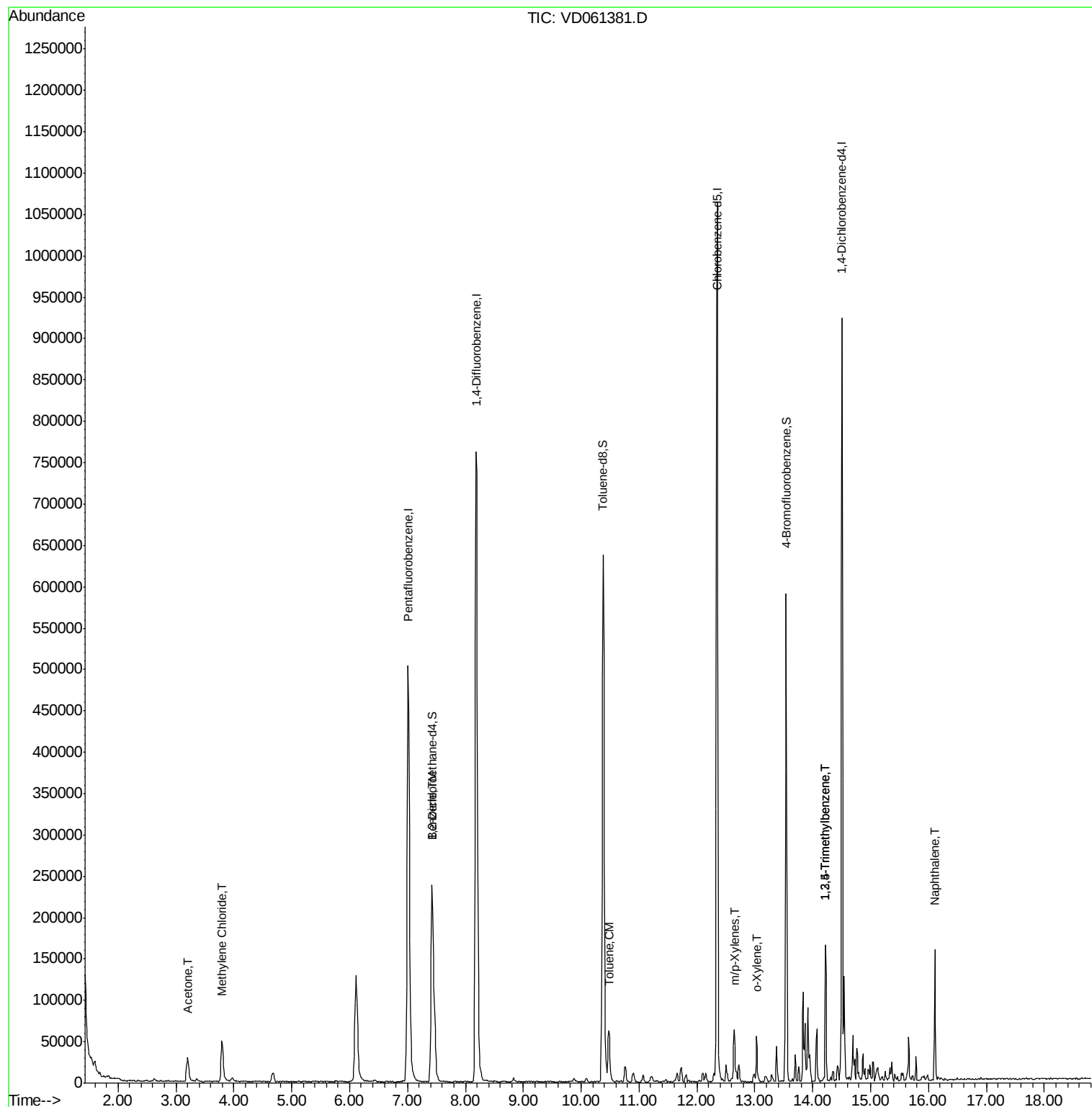
Target Compounds						Qvalue
16) Acetone	3.20	43	60536	51.112	ug/l	99
20) Methylene Chloride	3.79	84	36967	3.797	ug/l	95
40) Benzene	7.43	78	43385	2.028	ug/l	97
52) Toluene	10.48	92	36967	2.833	ug/l	97
68) m/p-Xylenes	12.64	106	20177	2.418	ug/l	97
69) o-Xylene	13.03	106	14032	1.733	ug/l	93
80) 1,3,5-Trimethylbenzene	14.22	105	77793	6.266	ug/l	96
84) 1,2,4-Trimethylbenzene	14.22	105	77793	6.266	ug/l	96
95) Naphthalene	16.11	128	92177	21.814	ug/l	99

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

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FK-SF-03-005-B

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD061381.D

Acq: 28 Mar 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

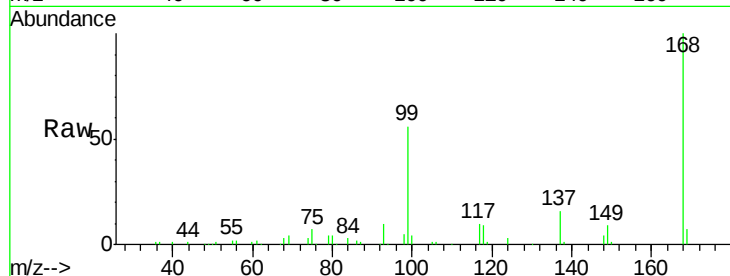
FK-SF-03-005-B

Tgt Ion:168 Resp: 539342

Ion Ratio Lower Upper

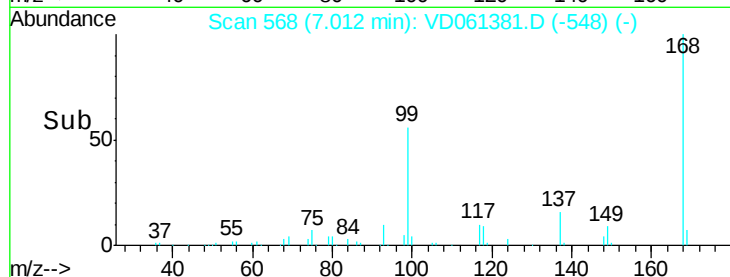
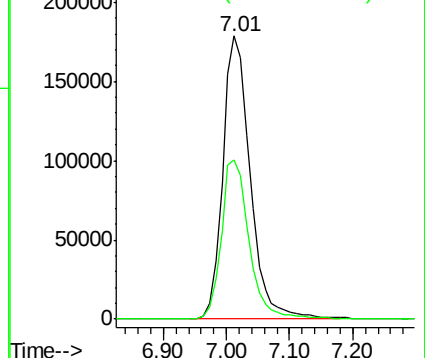
168 100

99 56.4 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: 51.112 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061381.D

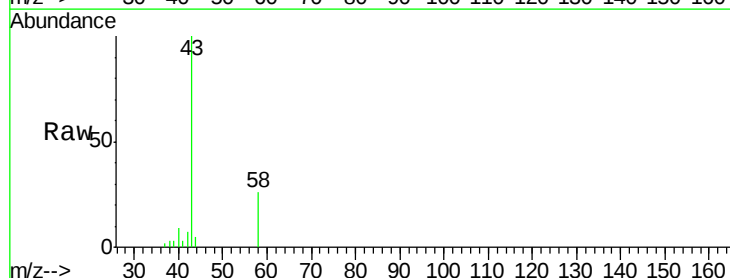
Acq: 28 Mar 2019 6:24

Tgt Ion: 43 Resp: 60536

Ion Ratio Lower Upper

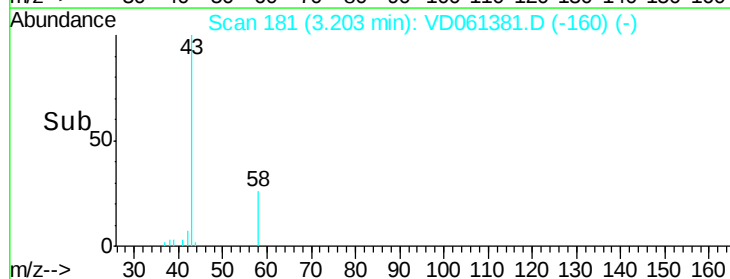
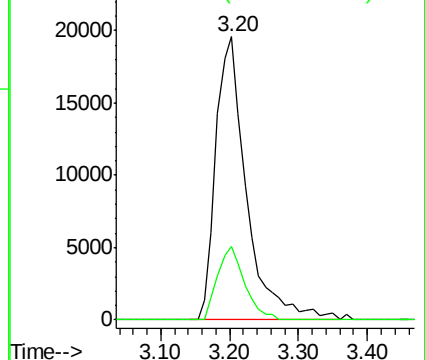
43 100

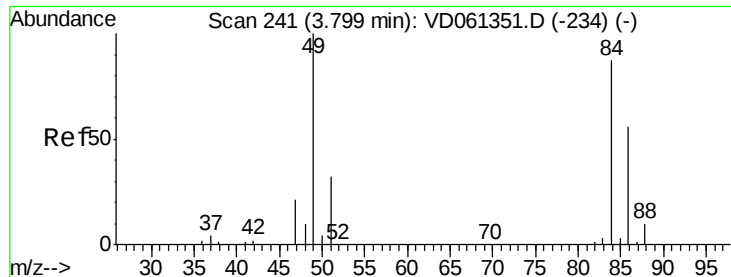
58 26.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

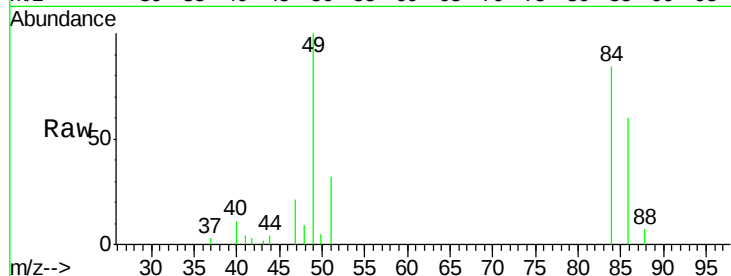




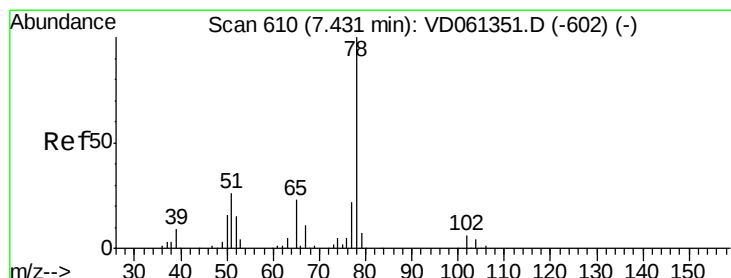
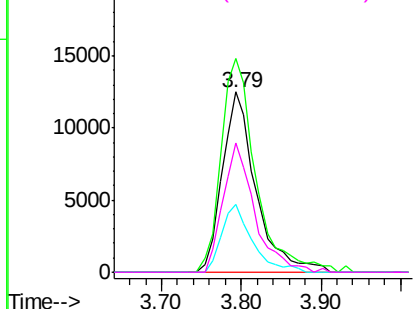
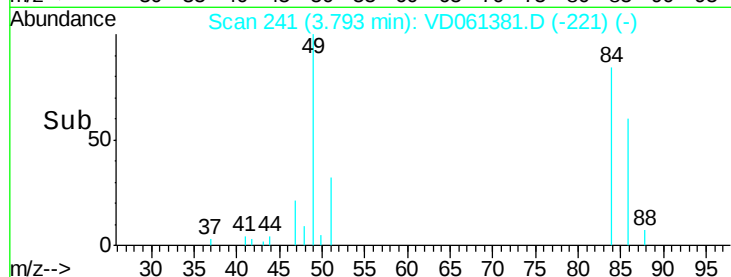
#20
Methylene Chloride
Concen: 3.797 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

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

Tgt Ion: 84 Resp: 36967
Ion Ratio Lower Upper
84 100
49 118.6 91.8 137.8
51 37.6 29.8 44.8
86 71.5 51.8 77.6

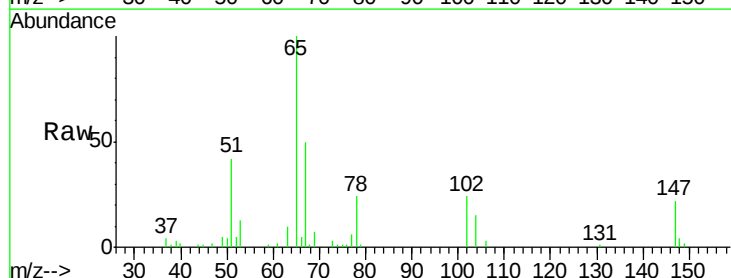


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

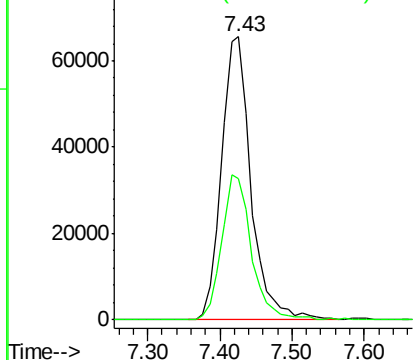
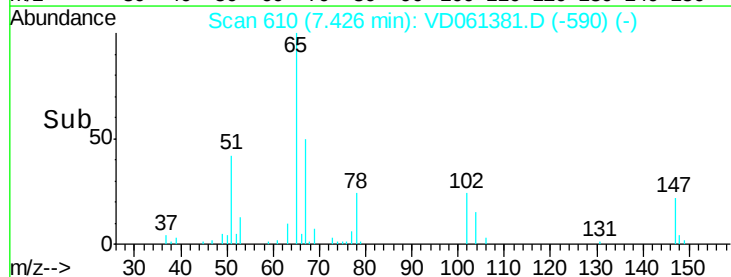


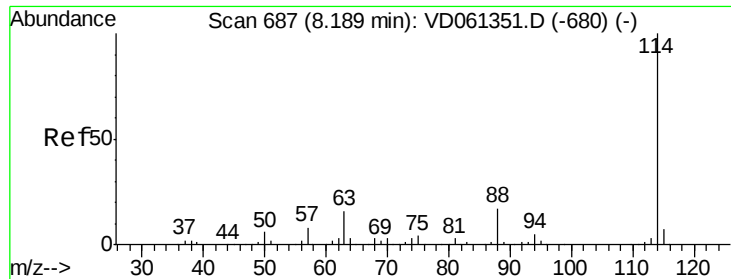
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

Tgt Ion: 65 Resp: 185242
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

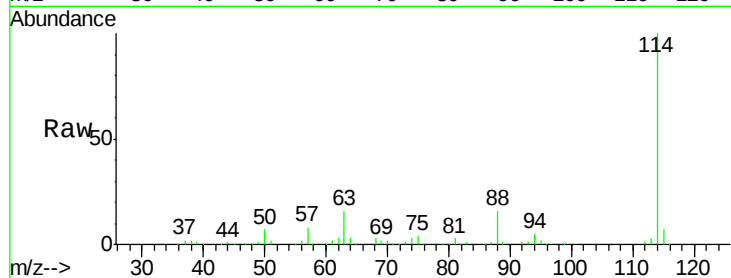




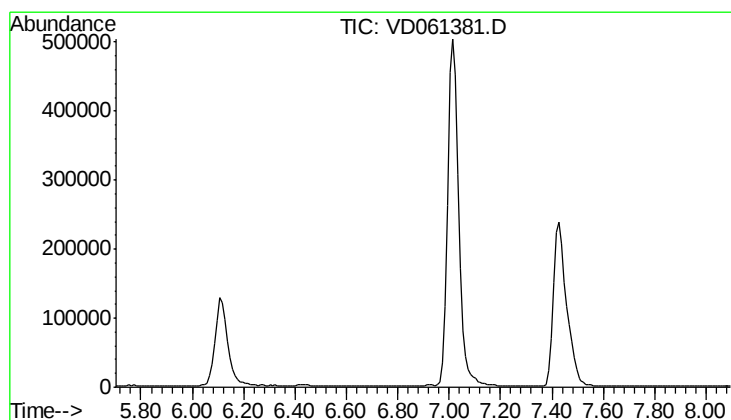
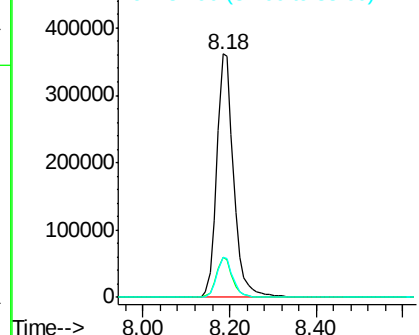
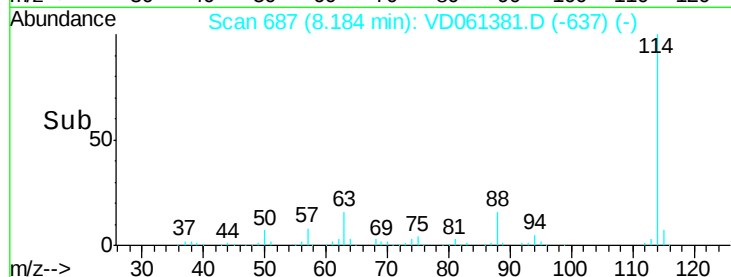
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.18 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VD061381.D
 Acq: 28 Mar 2019 6:24

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

Tgt Ion: 114 Resp: 976582
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.6
 88 16.4 0.0 33.4

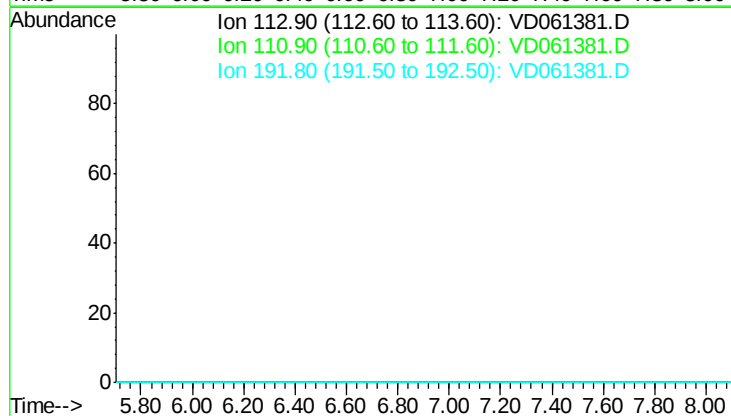


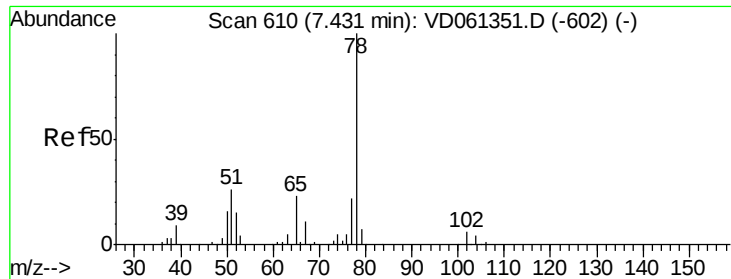
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 6.90 min
 Lab File: VD061381.D
 Acq: 28 Mar 2019 6:24

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.3
 192 18.0

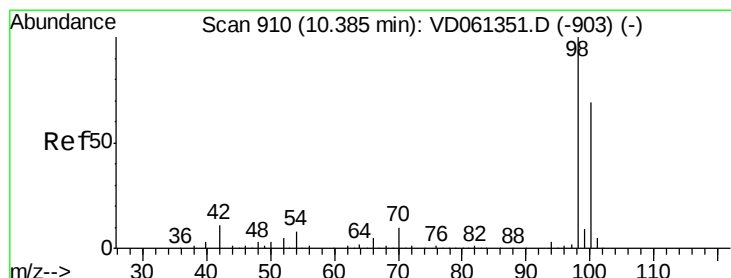
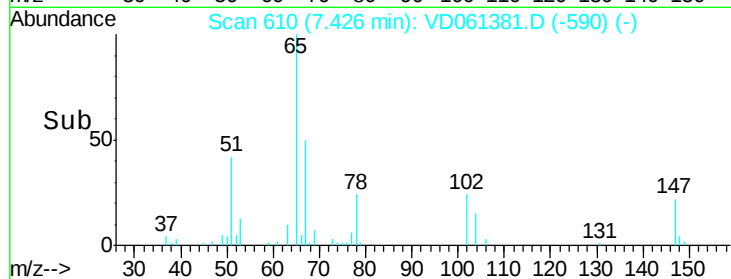
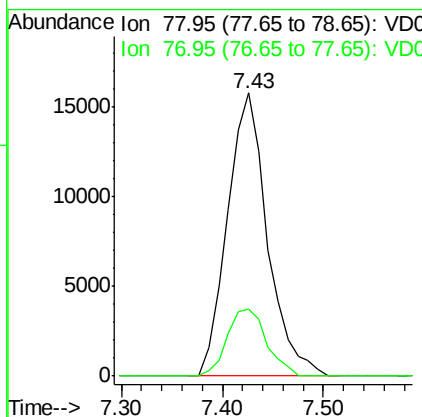
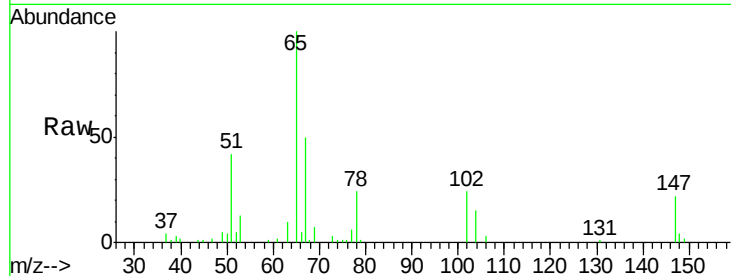




#40
Benzene
Concen: 2.028 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

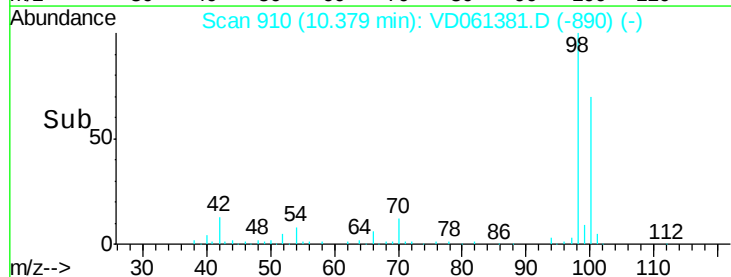
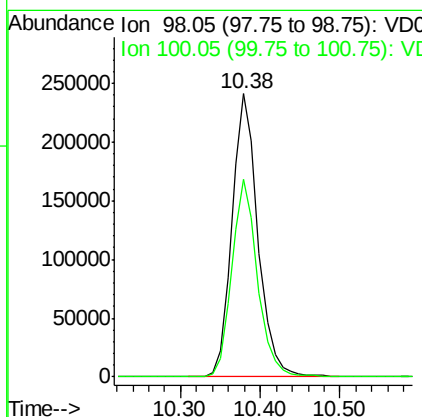
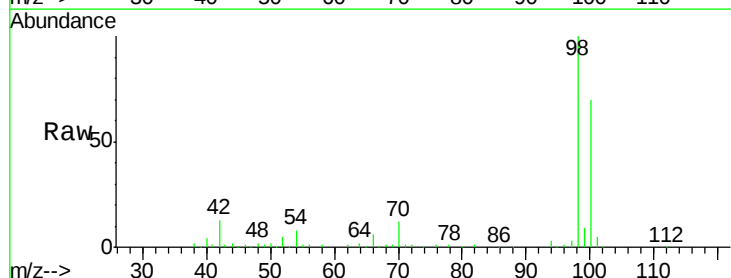
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-03-005-B

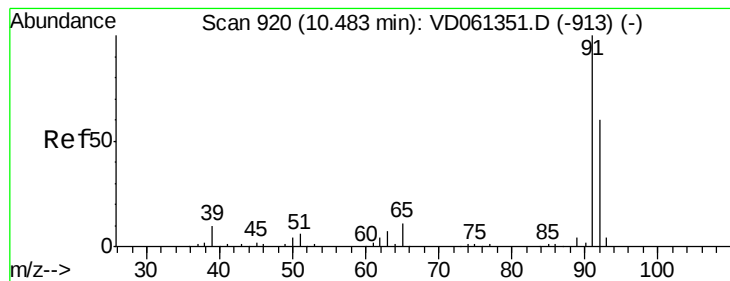
Tgt Ion: 78 Resp: 43385
Ion Ratio Lower Upper
78 100
77 23.6 17.8 26.6



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

Tgt Ion: 98 Resp: 546454
Ion Ratio Lower Upper
98 100
100 69.6 56.2 84.2





#52

Toluene

Concen: 2.833 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.01 min

Lab File: VD061381.D

Acq: 28 Mar 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

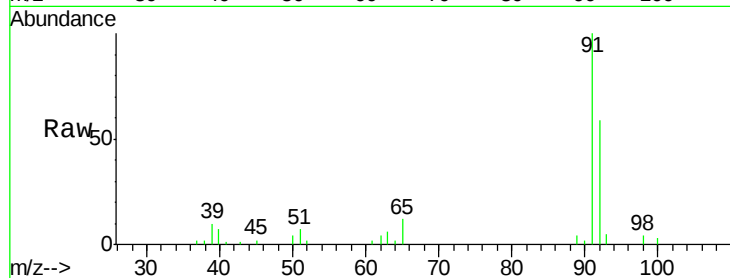
FK-SF-03-005-B

Tgt Ion: 92 Resp: 36967

Ion Ratio Lower Upper

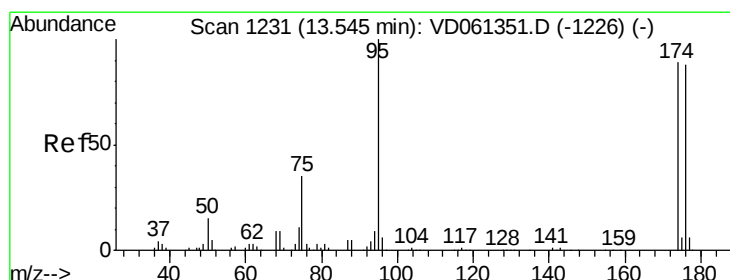
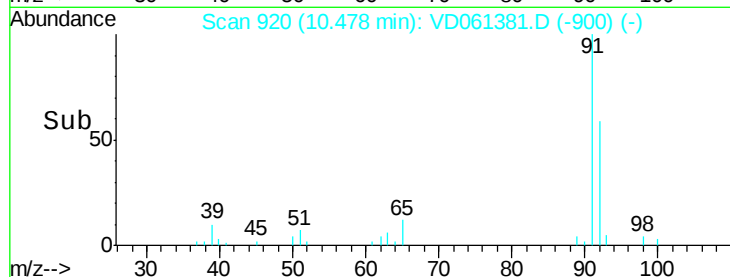
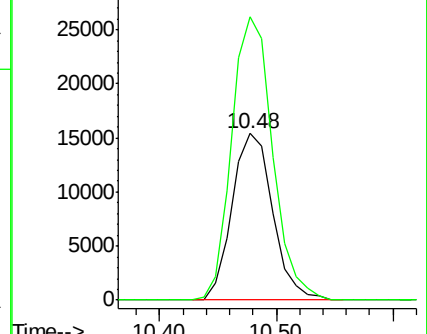
92 100

91 170.1 133.3 199.9



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# 1231

Delta R.T. -0.01 min

Lab File: VD061381.D

Acq: 28 Mar 2019 6:24

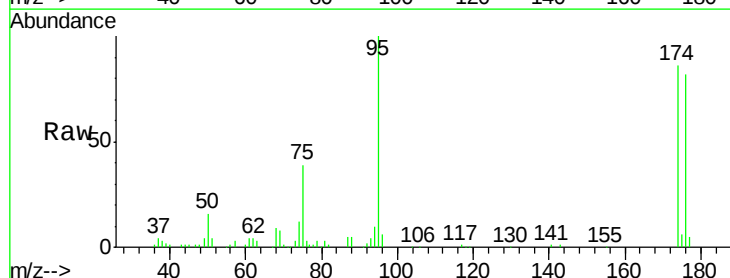
Tgt Ion: 95 Resp: 186160

Ion Ratio Lower Upper

95 100

174 85.7 0.0 178.0

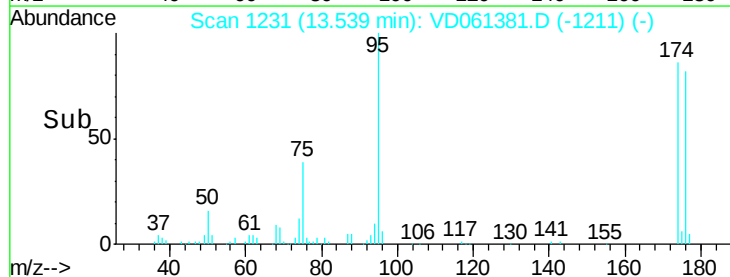
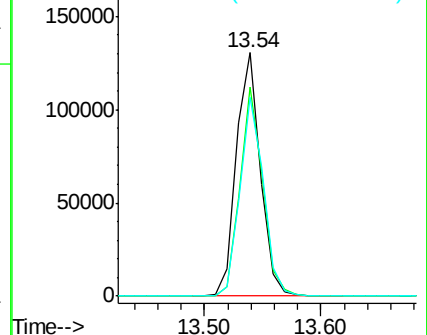
176 81.9 0.0 175.0

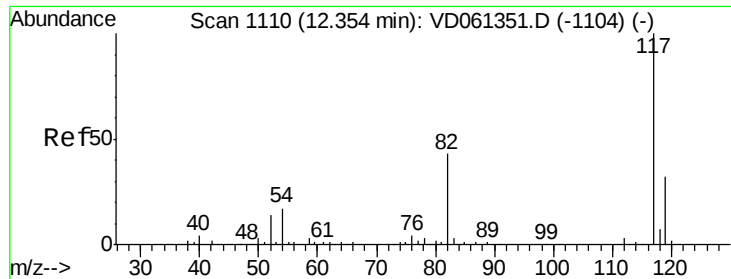


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

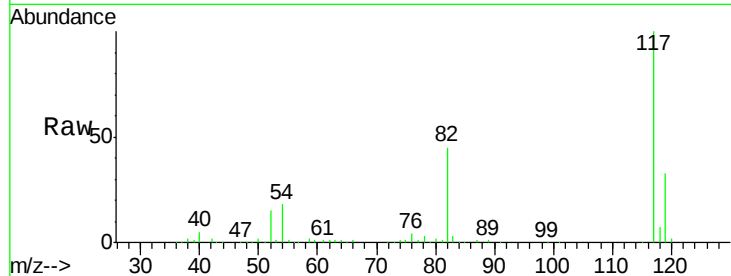




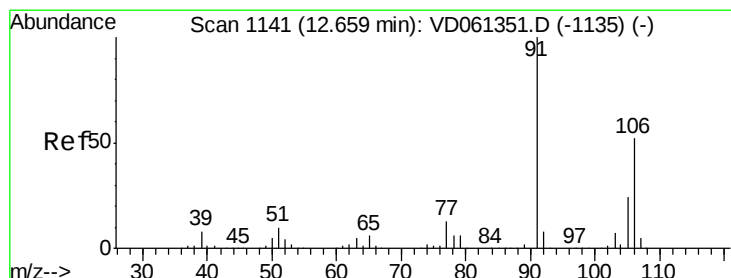
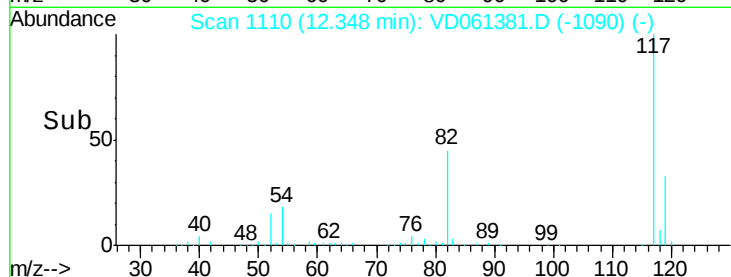
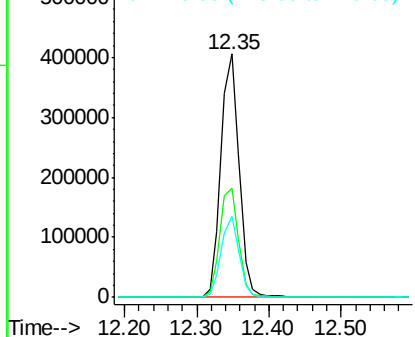
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

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

Tgt Ion:117 Resp: 706237
Ion Ratio Lower Upper
117 100
82 45.1 34.4 51.6
119 33.5 25.8 38.6

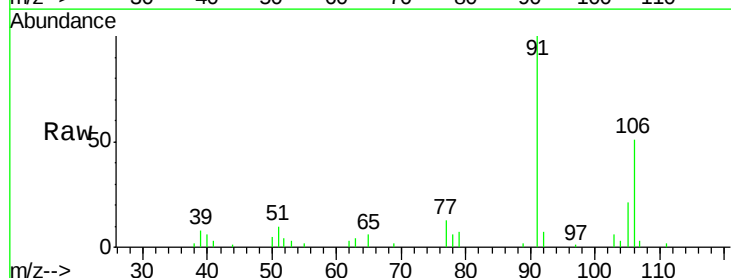


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

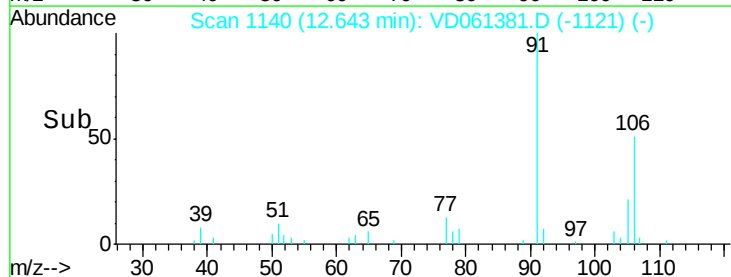
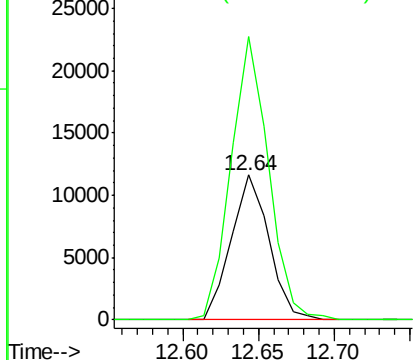


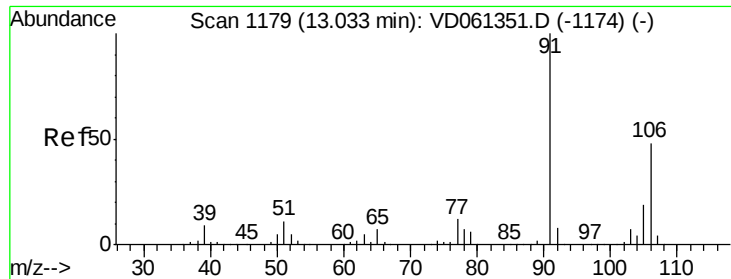
#68
m/p-Xylenes
Concen: 2.418 ug/l
RT: 12.64 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

Tgt Ion:106 Resp: 20177
Ion Ratio Lower Upper
106 100
91 195.5 153.1 229.7



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

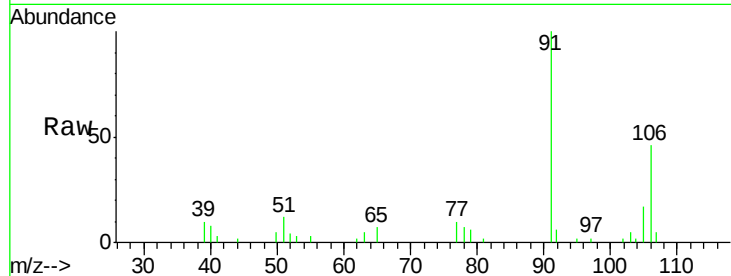




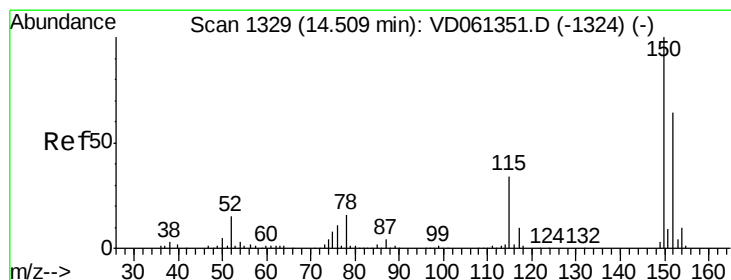
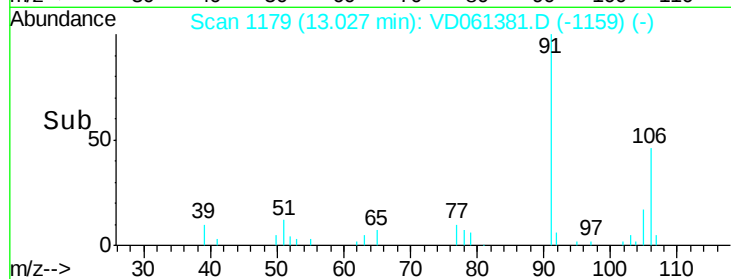
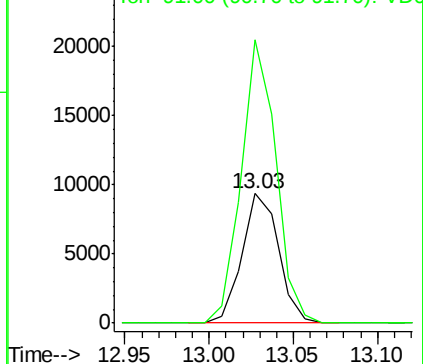
#69
o-Xylene
Concen: 1.733 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

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

Tgt Ion:106 Resp: 14032
Ion Ratio Lower Upper
106 100
91 218.5 103.8 311.3

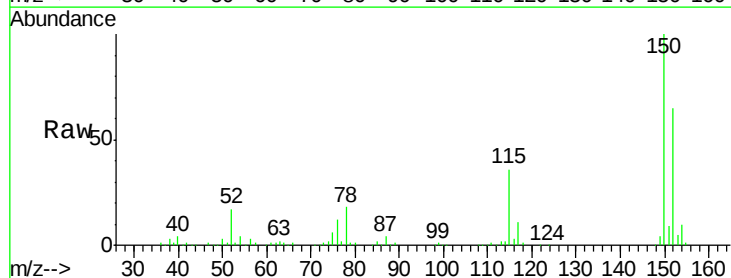


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

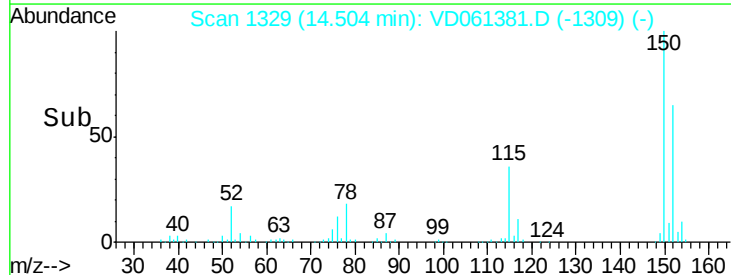
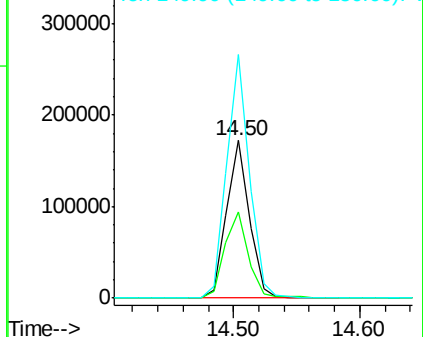


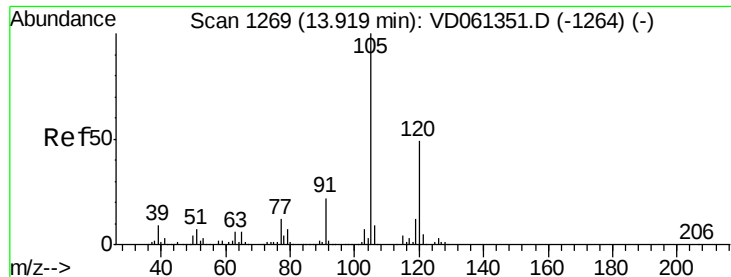
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061381.D
Acq: 28 Mar 2019 6:24

Tgt Ion:152 Resp: 212345
Ion Ratio Lower Upper
152 100
115 54.9 26.9 80.6
150 154.7 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

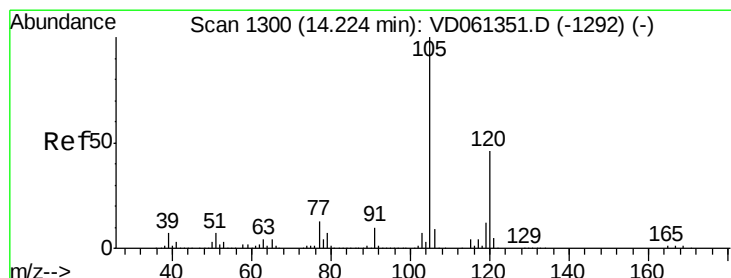
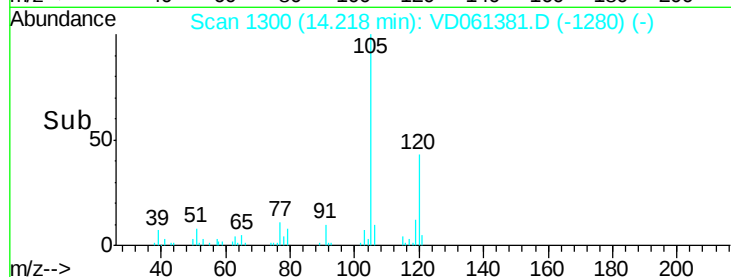
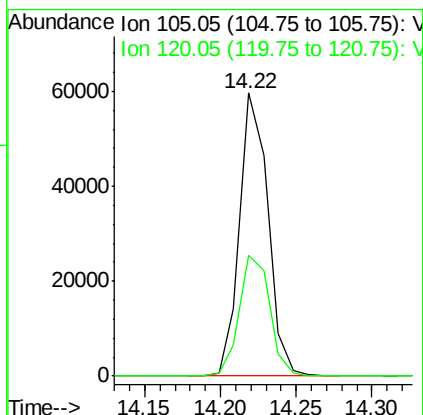
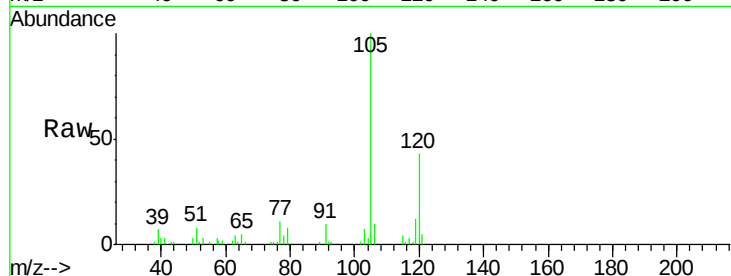




#80
 1,3,5-Trimethylbenzene
 Concen: 6.266 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD061381.D
 Acq: 28 Mar 2019 6:24

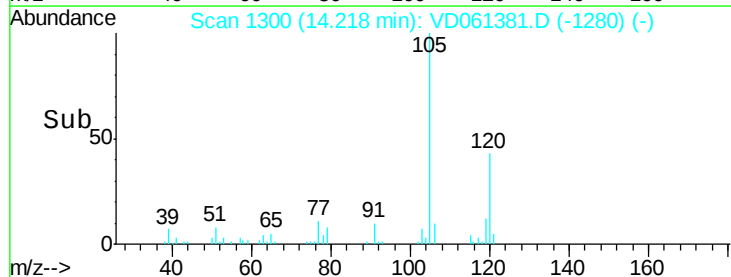
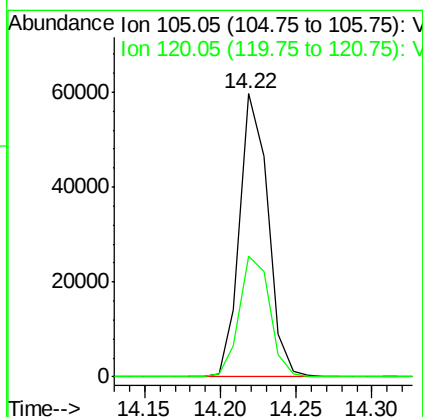
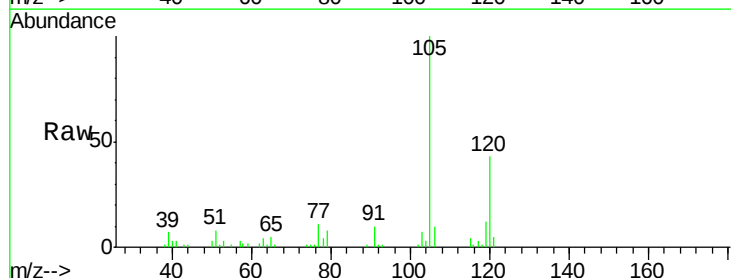
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-03-005-B

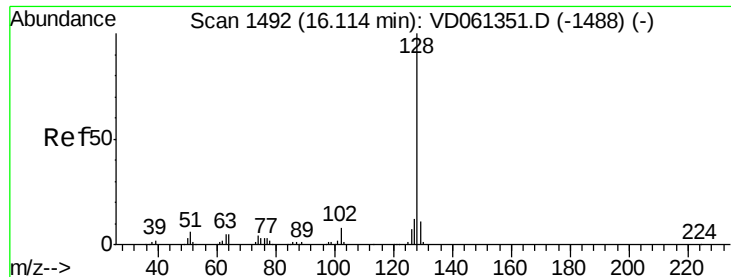
Tgt Ion:105 Resp: 77793
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.8 68.4



#84
 1,2,4-Trimethylbenzene
 Concen: 6.266 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD061381.D
 Acq: 28 Mar 2019 6:24

Tgt Ion:105 Resp: 77793
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.8 68.4





#95

Naphthalene

Concen: 21.814 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061381.D

Acq: 28 Mar 2019 6:24

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-03-005-B

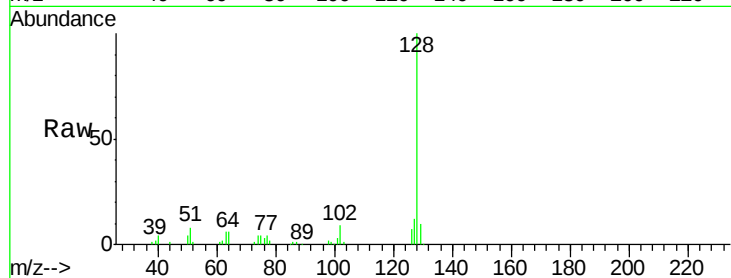
Tgt Ion:128 Resp: 92177

Ion Ratio Lower Upper

128 100

127 12.1 9.9 14.9

129 10.3 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

