

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061917.D
 Acq On : 19 Apr 2019 18:41
 Operator : VA/AP
 Sample : K2198-05
 Misc : 7.19g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-041719

Quant Time: Apr 19 23:23:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	324599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	479068	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	202655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	96470	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	187339	68.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	137.72%	
35) Dibromofluoromethane	6.94	113	258000	71.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	142.56%	
50) Toluene-d8	10.42	98	138862	16.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	32.38%	
62) 4-Bromofluorobenzene	13.56	95	137246	39.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.96%	

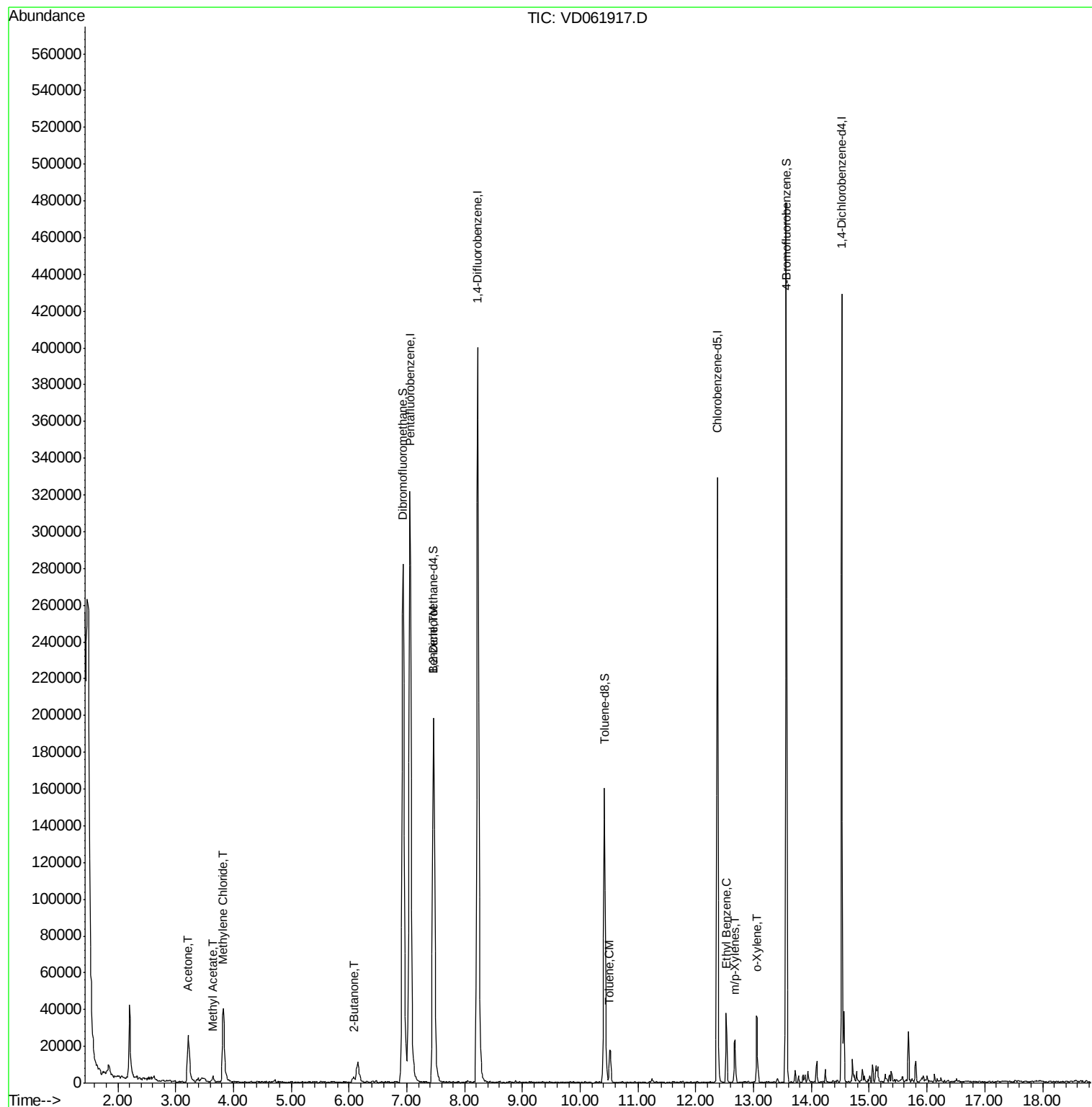
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	48247	71.958	ug/l	95
18) Methyl Acetate	3.65	43	5035	3.747	ug/l	94
20) Methylene Chloride	3.82	84	29494	4.693	ug/l	93
25) 2-Butanone	6.08	43	8037	10.529	ug/l	97
40) Benzene	7.47	78	24128	2.567	ug/l	96
52) Toluene	10.52	92	10930	1.815	ug/l	95
67) Ethyl Benzene	12.53	91	27001	4.467	ug/l #	89
68) m/p-Xylenes	12.67	106	9348	4.117	ug/l	89
69) o-Xylene	13.05	106	10427	4.886	ug/l	98

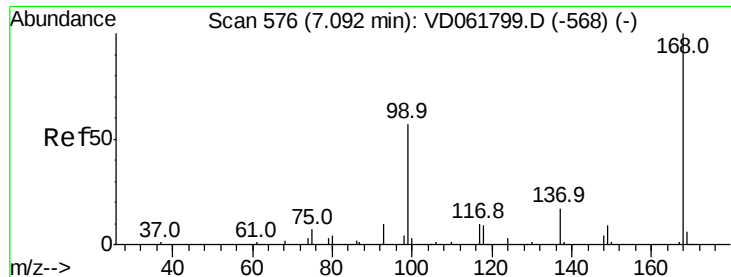
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041919\
Data File : VD061917.D
Acq On : 19 Apr 2019 18:41
Operator : VA/AP
Sample : K2198-05
Misc : 7.19g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OK-03-041719

Quant Time: Apr 19 23:23:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061917.D

Acq: 19 Apr 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

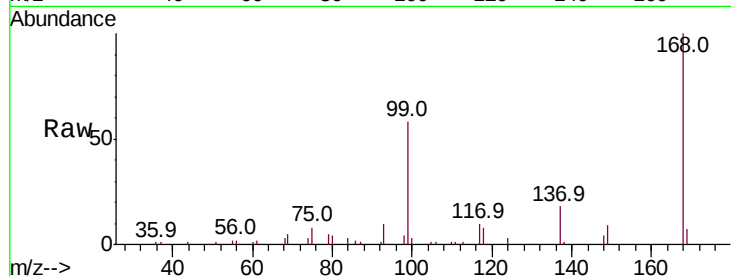
OK-03-041719

Tot Ion:168 Resp: 324599

Ion Ratio Lower Upper

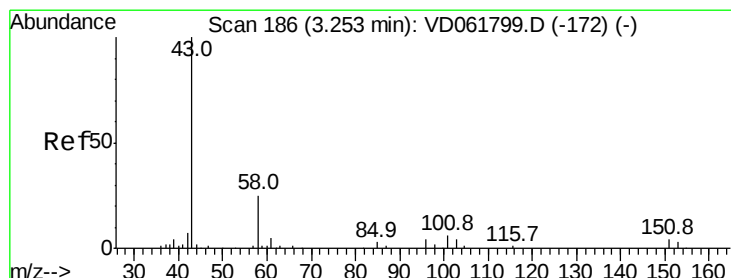
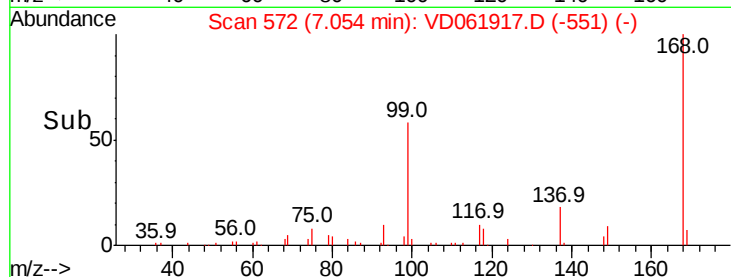
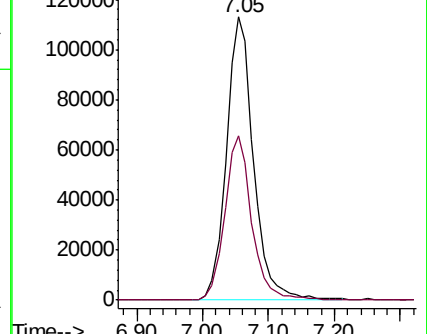
168 100

99 57.9 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: 71.958 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061917.D

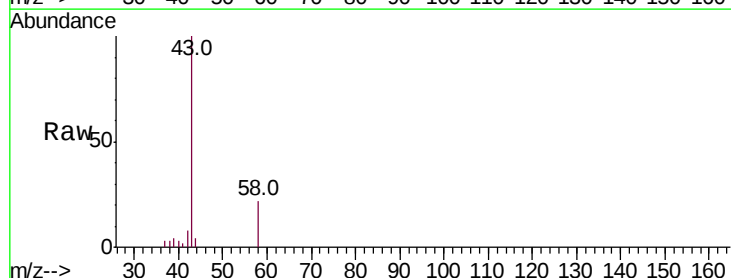
Acq: 19 Apr 2019 18:41

Tgt Ion: 43 Resp: 48247

Ion Ratio Lower Upper

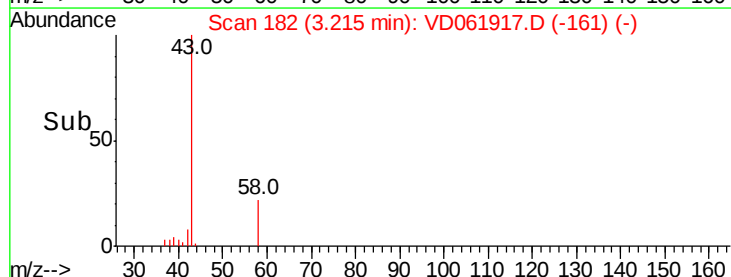
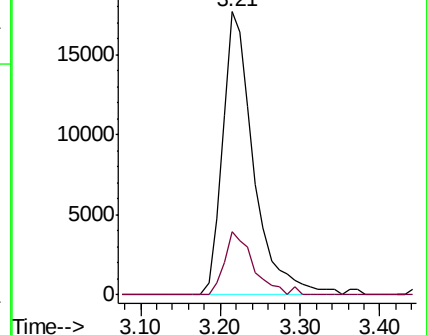
43 100

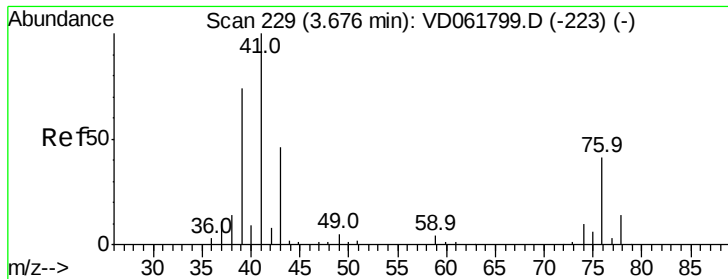
58 22.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

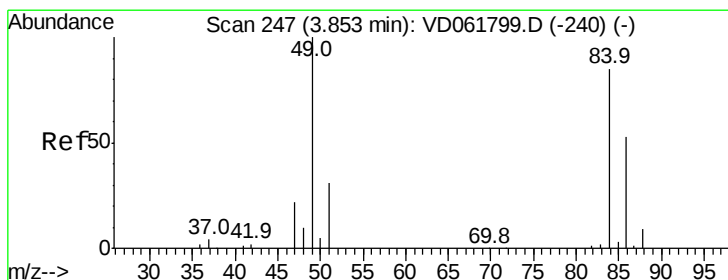
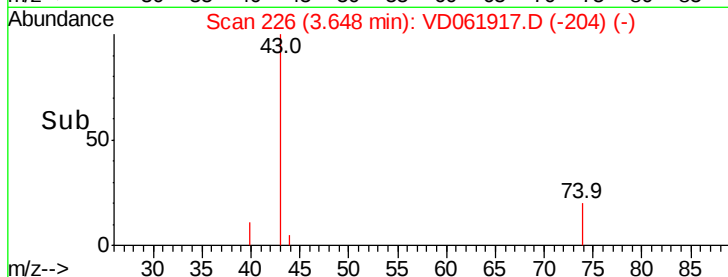
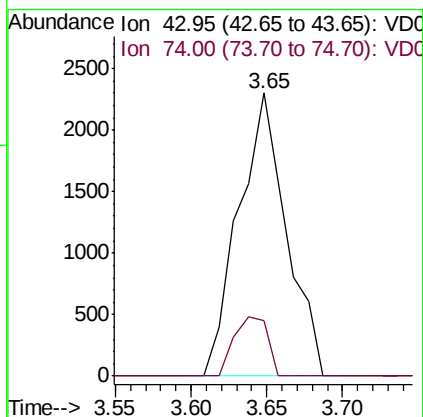
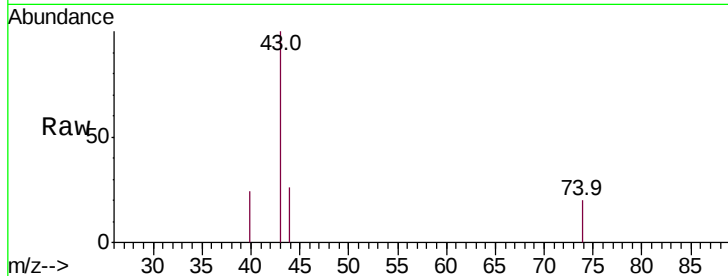




#18
Methyl Acetate
Concen: 3.747 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061917.D
Acq: 19 Apr 2019 18:41

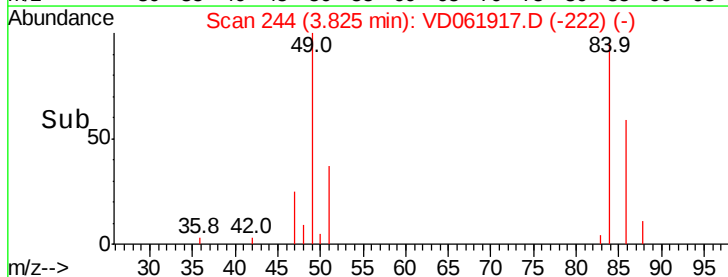
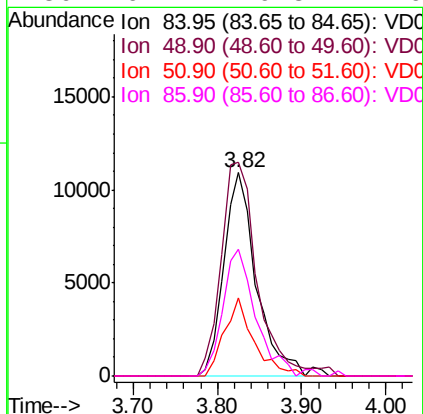
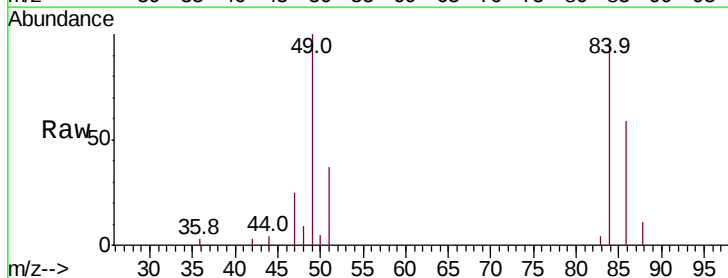
Instrument :
MSVOA_D
ClientSampleId :
OK-03-041719

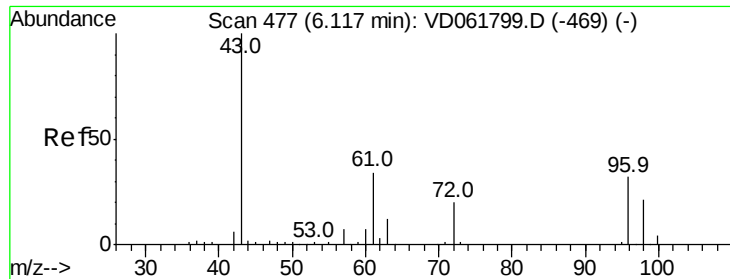
Tot Ion: 43 Resp: 5035
Ion Ratio Lower Upper
43 100
74 19.8 18.0 27.0



#20
Methylene Chloride
Concen: 4.693 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061917.D
Acq: 19 Apr 2019 18:41

Tgt Ion: 84 Resp: 29494
Ion Ratio Lower Upper
84 100
49 105.1 94.0 141.0
51 38.5 29.0 43.4
86 62.4 49.8 74.6





#25

2-Butanone

Concen: 10.529 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061917.D

Acq: 19 Apr 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

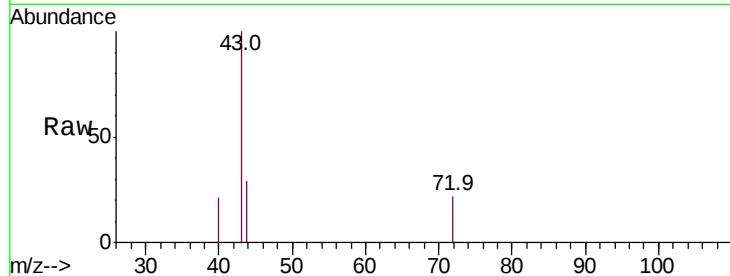
OK-03-041719

Tot Ion: 43 Resp: 8037

Ion Ratio Lower Upper

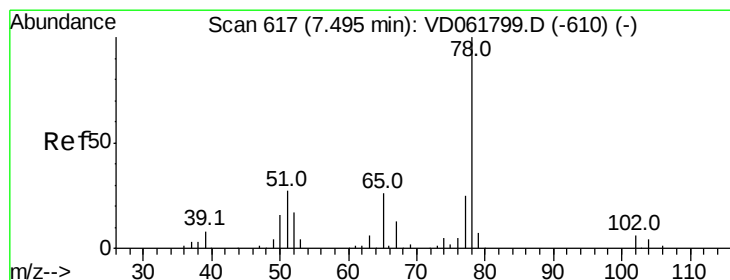
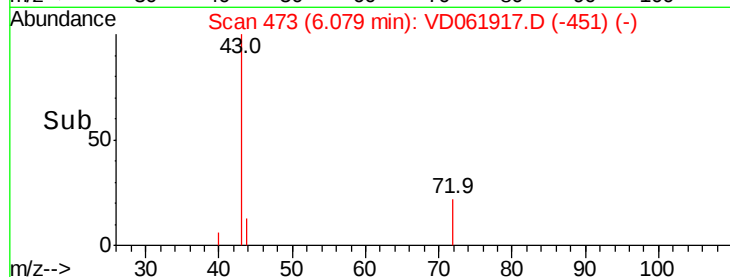
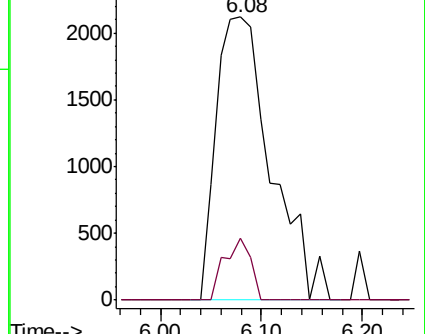
43 100

72 21.8 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: 68.863 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061917.D

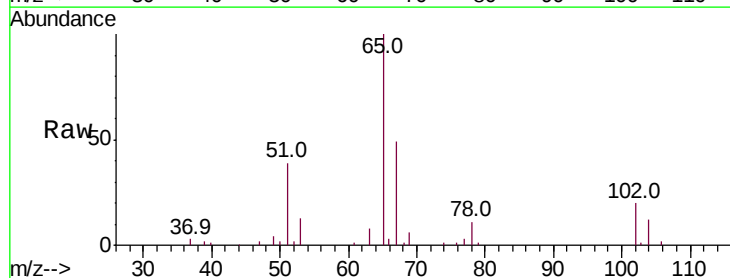
Acq: 19 Apr 2019 18:41

Tgt Ion: 65 Resp: 187339

Ion Ratio Lower Upper

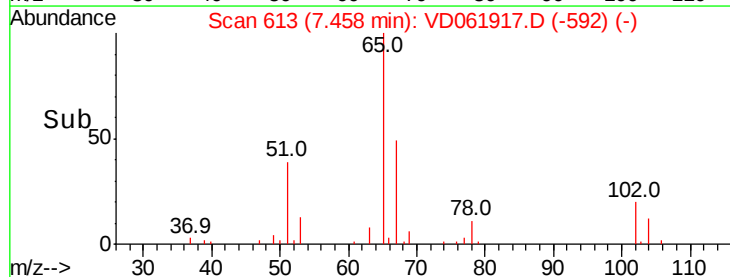
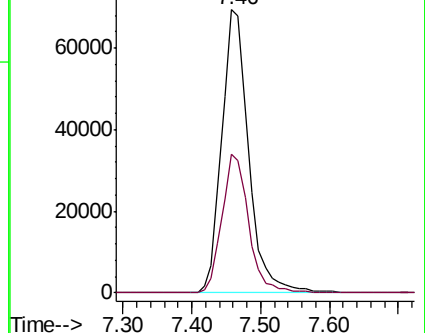
65 100

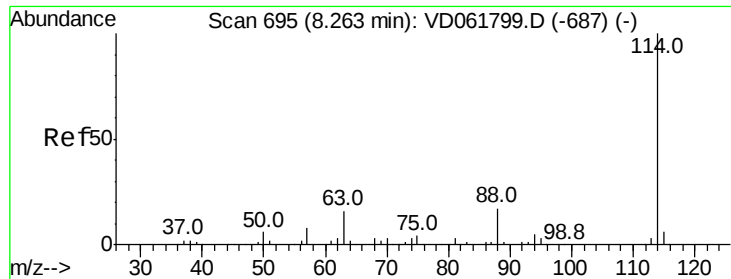
67 48.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

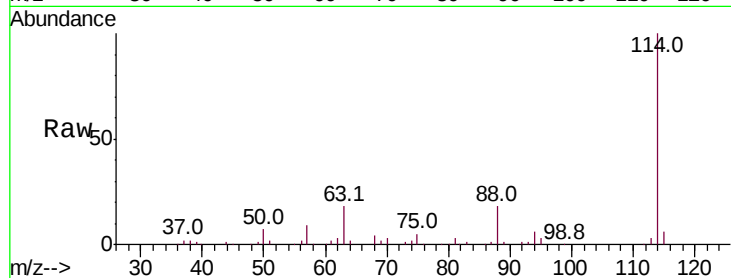




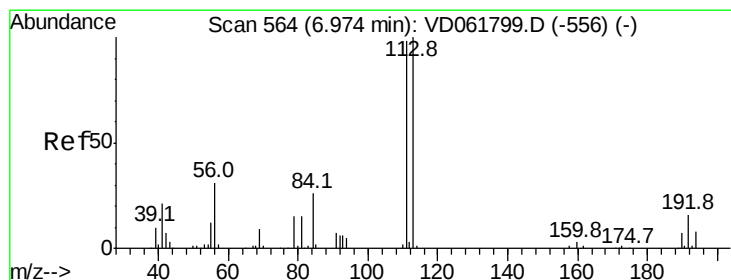
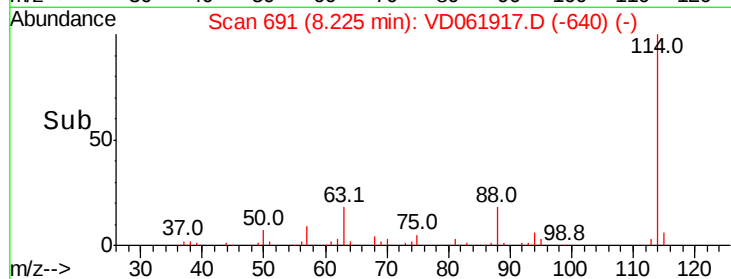
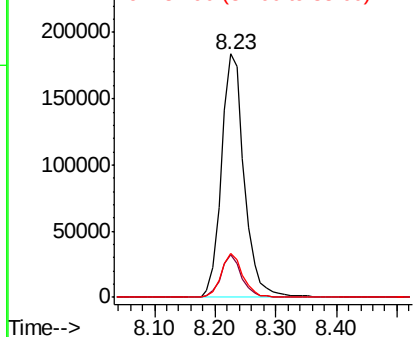
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061917.D
 Acq: 19 Apr 2019 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-041719

Tot Ion:114 Resp: 479068
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 32.4
 88 17.9 0.0 33.6

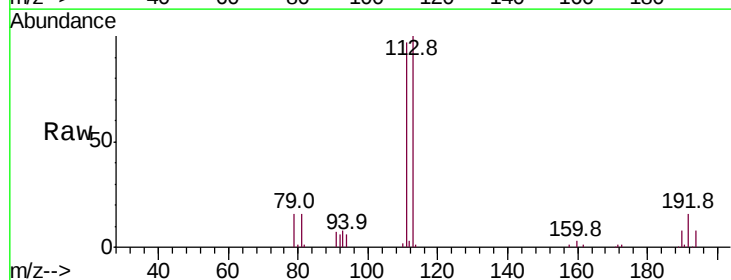


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

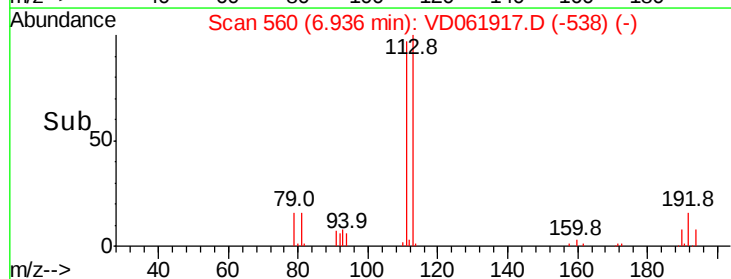
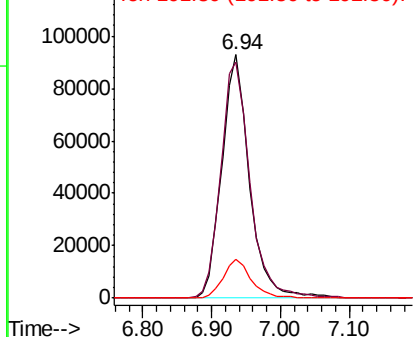


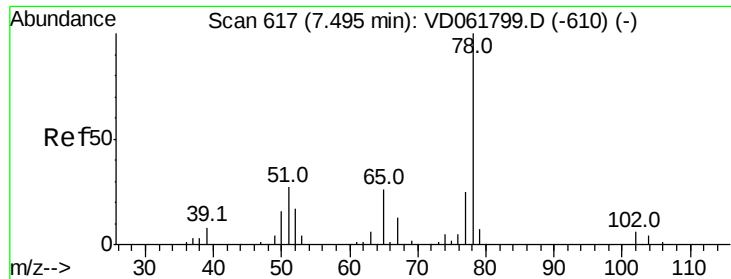
#35
 Dibromofluoromethane
 Concen: 71.283 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061917.D
 Acq: 19 Apr 2019 18:41

Tgt Ion:113 Resp: 258000
 Ion Ratio Lower Upper
 113 100
 111 96.7 78.5 117.7
 192 16.1 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





#40

Benzene

Concen: 2.567 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061917.D

Acq: 19 Apr 2019 18:41

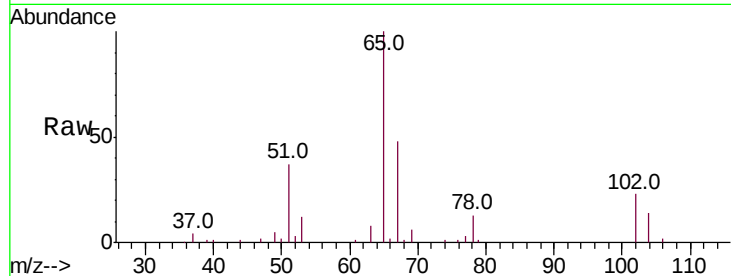
Instrument :
MSVOA_D
ClientSampleId :
OK-03-041719

Tot Ion: 78 Resp: 24128

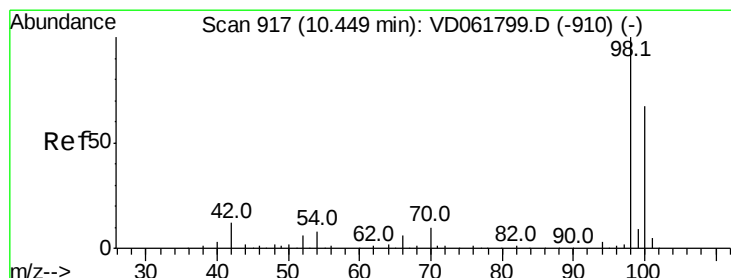
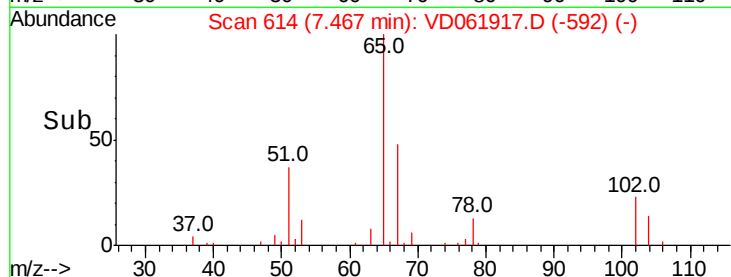
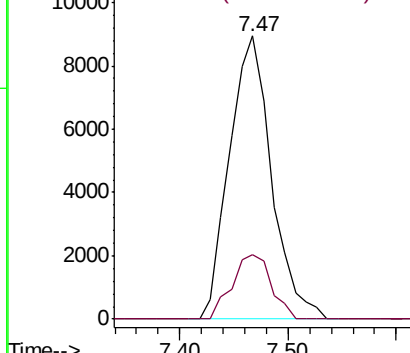
Ion Ratio Lower Upper

78 100

77 22.8 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: 16.192 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061917.D

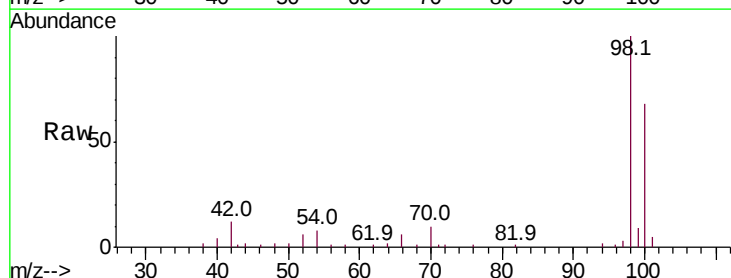
Acq: 19 Apr 2019 18:41

Tgt Ion: 98 Resp: 138862

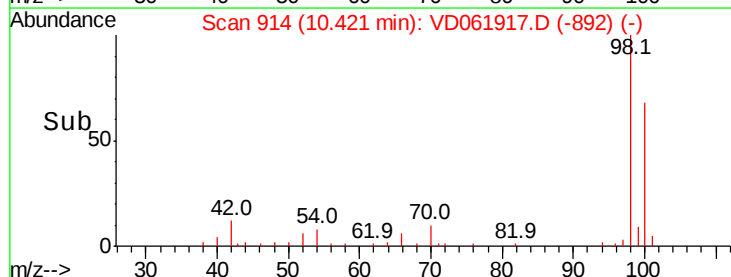
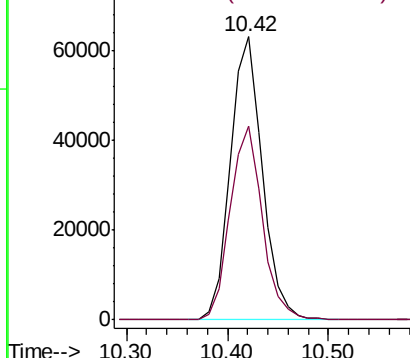
Ion Ratio Lower Upper

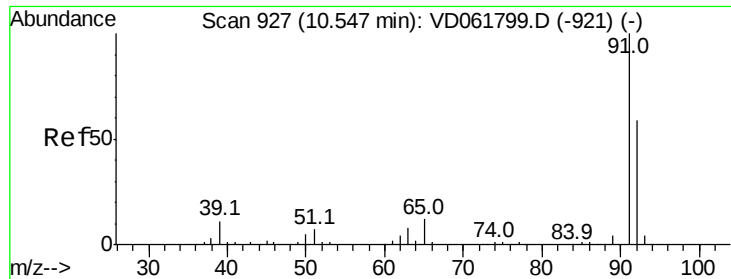
98 100

100 68.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.815 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061917.D

Acq: 19 Apr 2019 18:41

Instrument :

MSVOA_D

ClientSampleId :

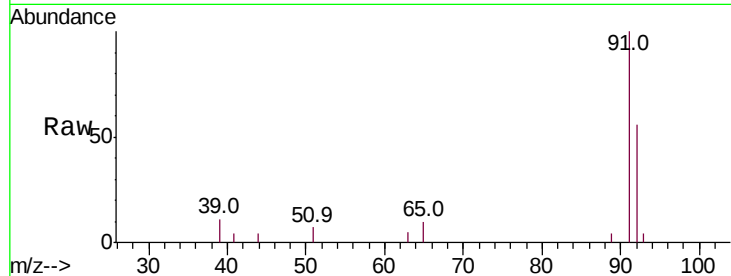
OK-03-041719

Tot Ion: 92 Resp: 10930

Ion Ratio Lower Upper

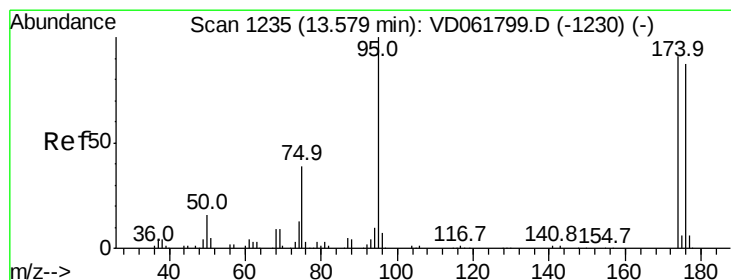
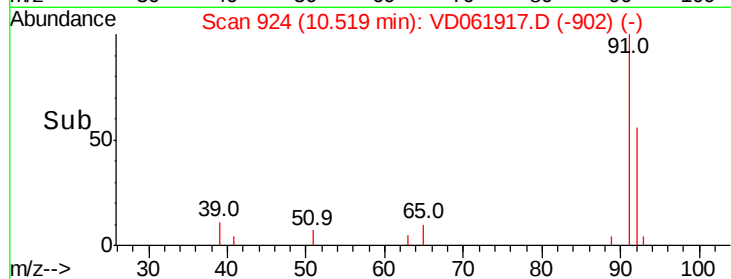
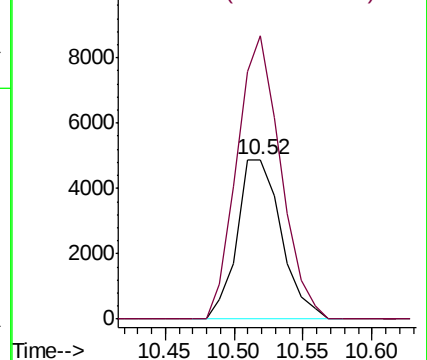
92 100

91 177.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 39.485 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061917.D

Acq: 19 Apr 2019 18:41

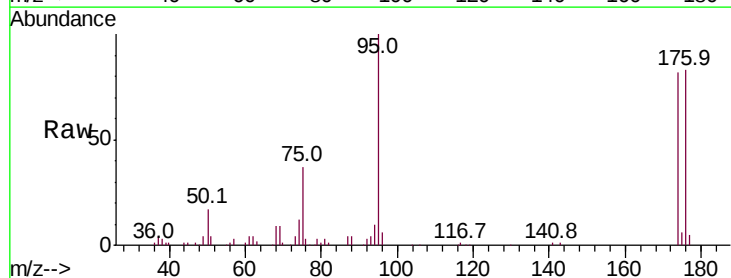
Tgt Ion: 95 Resp: 137246

Ion Ratio Lower Upper

95 100

174 82.3 0.0 181.8

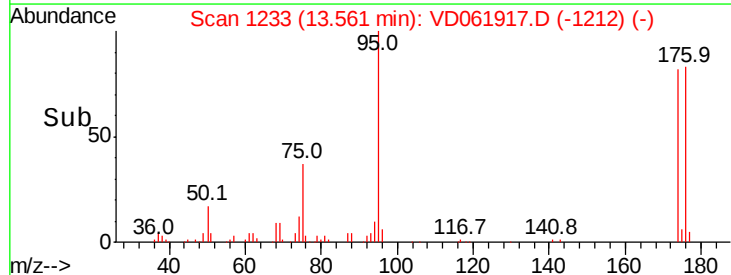
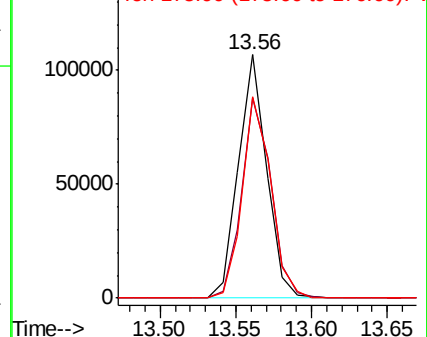
176 82.6 0.0 174.4

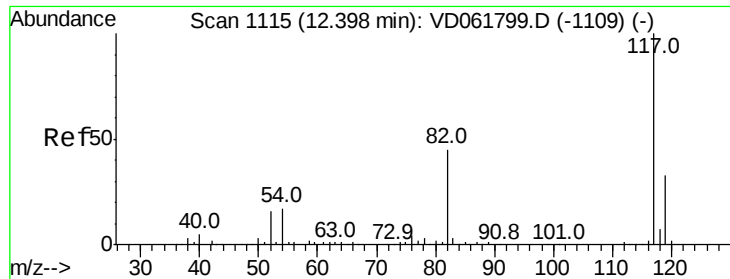


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

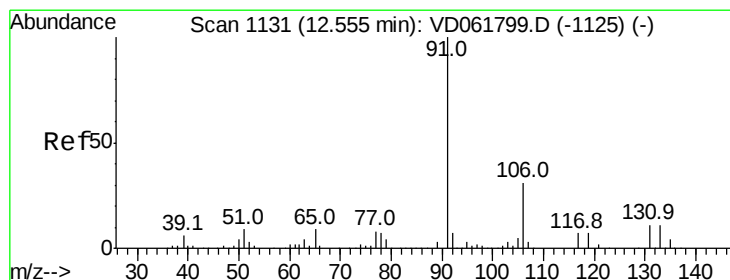
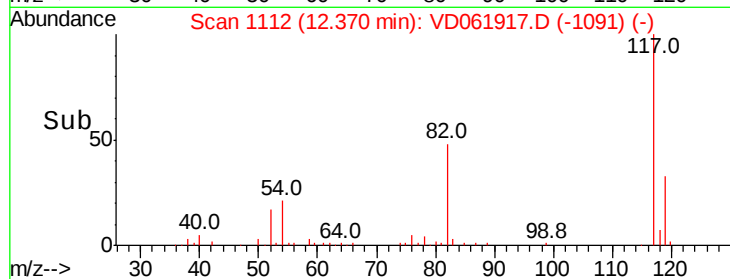
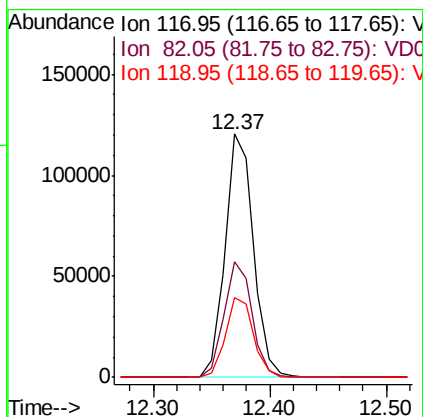
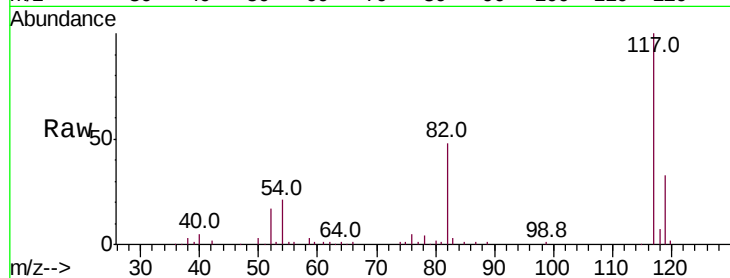




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061917.D
Acq: 19 Apr 2019 18:41

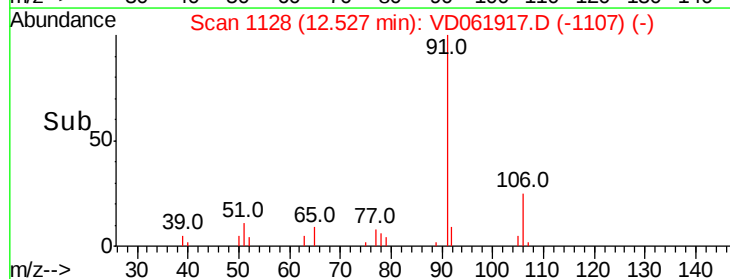
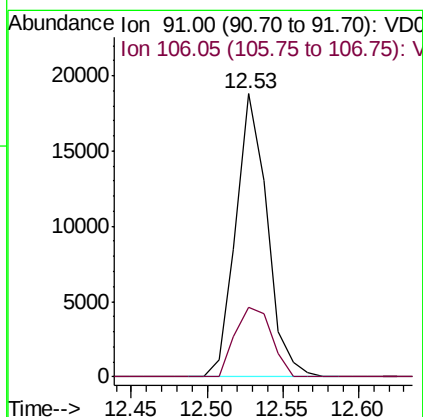
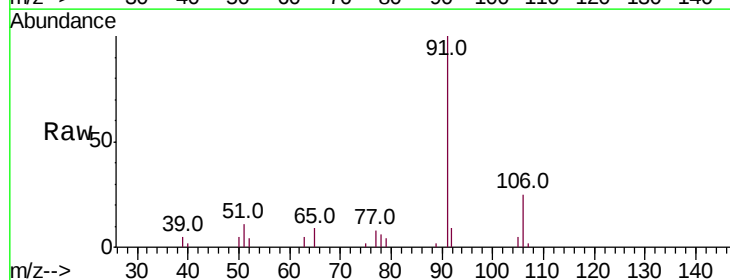
Instrument :
MSVOA_D
ClientSampleId :
OK-03-041719

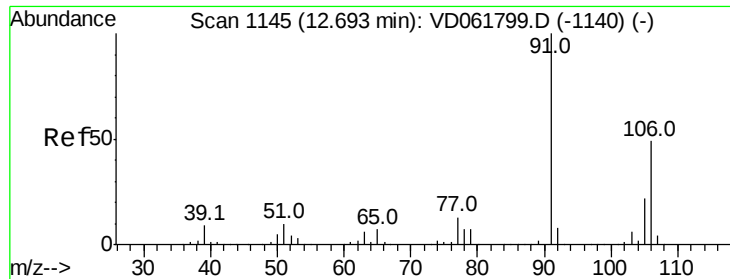
Tot Ion:117 Resp: 202655
Ion Ratio Lower Upper
117 100
82 47.5 36.2 54.2
119 32.7 26.2 39.4



#67
Ethyl Benzene
Concen: 4.467 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061917.D
Acq: 19 Apr 2019 18:41

Tgt Ion: 91 Resp: 27001
Ion Ratio Lower Upper
91 100
106 24.7 24.7 37.1#

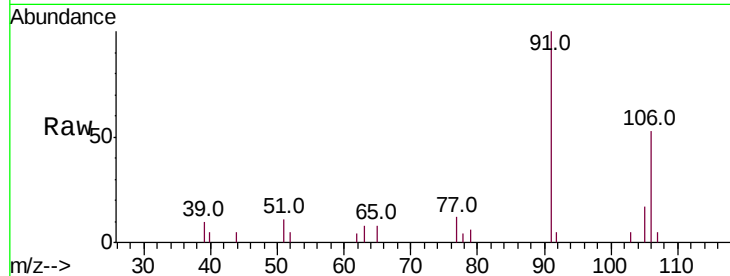




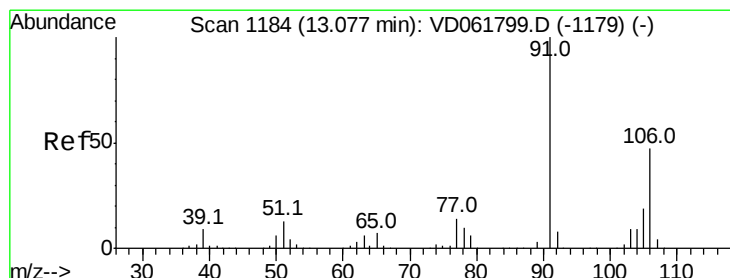
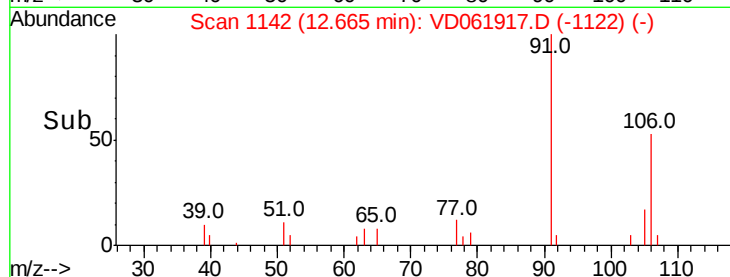
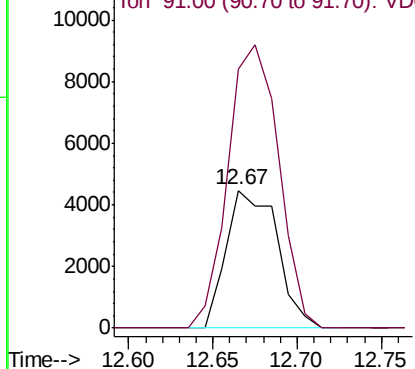
#68
m/p-Xylenes
Concen: 4.117 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061917.D
Acq: 19 Apr 2019 18:41

Instrument :
MSVOA_D
ClientSampleId :
OK-03-041719

Tot Ion:106 Resp: 9348
Ion Ratio Lower Upper
106 100
91 187.9 164.0 246.0

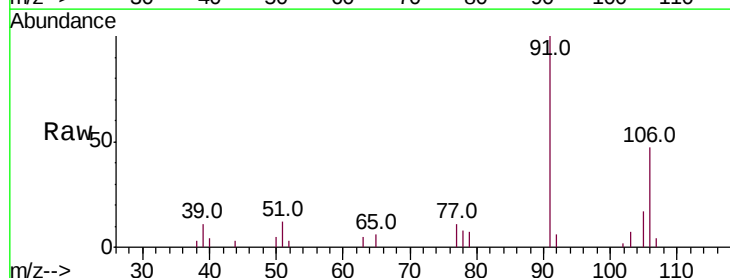


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

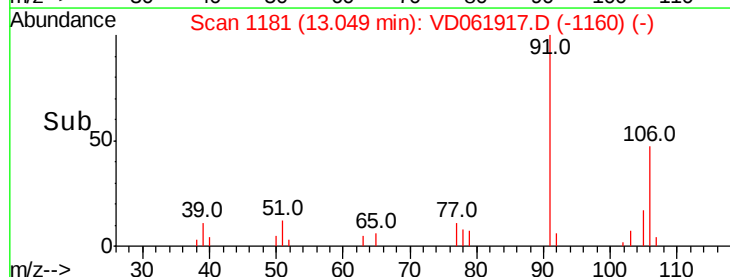
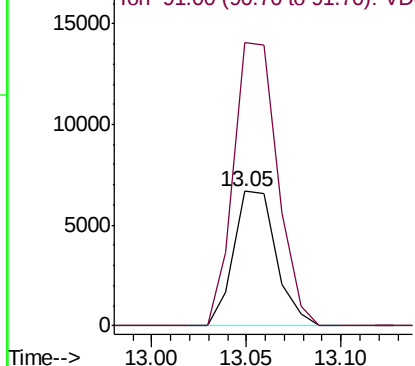


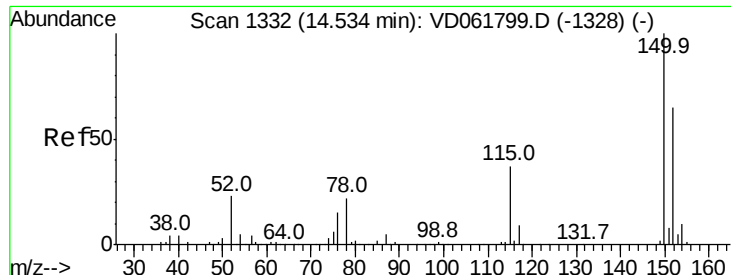
#69
o-Xylene
Concen: 4.886 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061917.D
Acq: 19 Apr 2019 18:41

Tgt Ion:106 Resp: 10427
Ion Ratio Lower Upper
106 100
91 210.7 106.7 319.9



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: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061917.D
 Acq: 19 Apr 2019 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-041719

Tot Ion:152 Resp: 96470
 Ion Ratio Lower Upper
 152 100
 115 54.8 30.9 92.7
 150 160.9 0.0 314.8

