

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061861.D
 Acq On : 17 Apr 2019 19:11
 Operator : VA/AP
 Sample : K2358-10RE
 Misc : 4.99g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-S2RE

Quant Time: Apr 18 01:20:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	360581	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.21	114	581233	50.00	ug/l	-0.06
63) Chlorobenzene-d5	12.36	117	442293	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	140589	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	139638	46.21	ug/l	-0.06
Spiked Amount			Recovery	=	92.42%	
35) Dibromofluoromethane	6.91	113	125029	28.47	ug/l	-0.07
Spiked Amount			Recovery	=	56.94%	
50) Toluene-d8	10.40	98	431708	41.49	ug/l	-0.05
Spiked Amount			Recovery	=	82.98%	
62) 4-Bromofluorobenzene	13.54	95	142295	33.74	ug/l	-0.04
Spiked Amount			Recovery	=	67.48%	

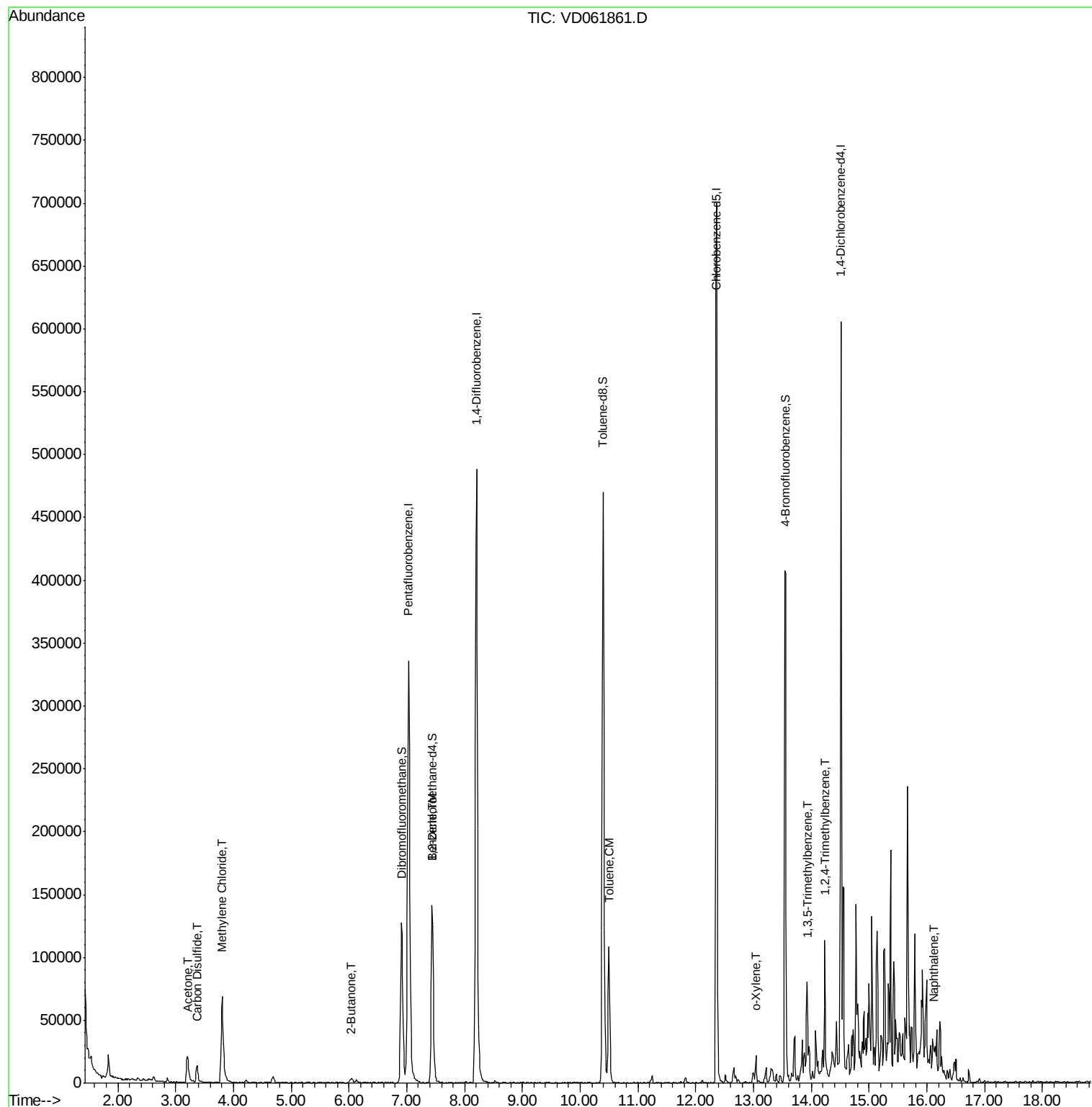
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	42345	56.853	ug/l	97
17) Carbon Disulfide	3.37	76	27108	2.479	ug/l #	92
20) Methylene Chloride	3.81	84	50105	9.850	ug/l	94
25) 2-Butanone	6.05	43	6495	7.660	ug/l	96
40) Benzene	7.45	78	12311	1.080	ug/l	95
52) Toluene	10.50	92	62957	8.616	ug/l	94
69) o-Xylene	13.04	106	5446	1.169	ug/l	88
80) 1,3,5-Trimethylbenzene	13.93	105	34766	4.806	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	44391	6.104	ug/l	99
95) Naphthalene	16.12	128	11286	3.540	ug/l	97

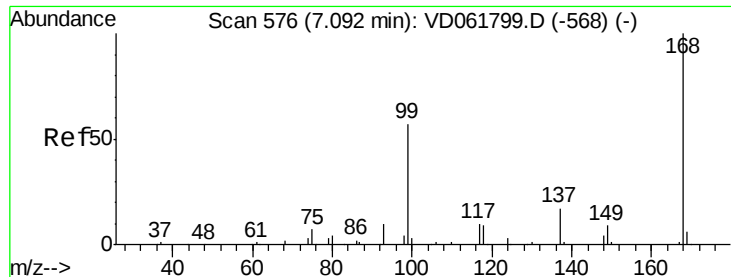
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

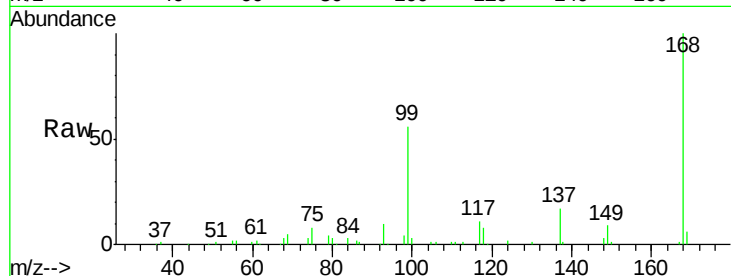
TP-7-S2RE

Tot Ion:168 Resp: 360581

Ion Ratio Lower Upper

168 100

99 55.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

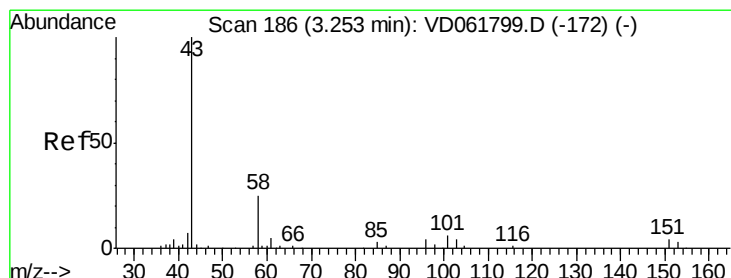
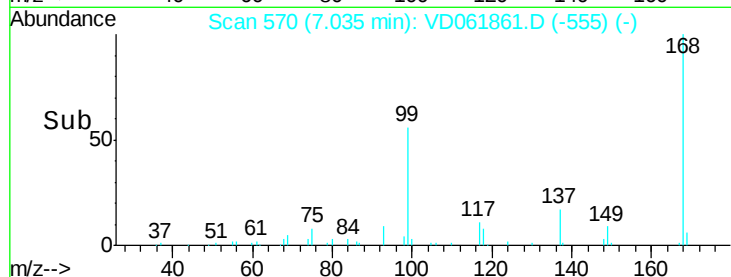
7.04

100000

50000

0

Time-->



#16

Acetone

Concen: 56.853 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.05 min

Lab File: VD061861.D

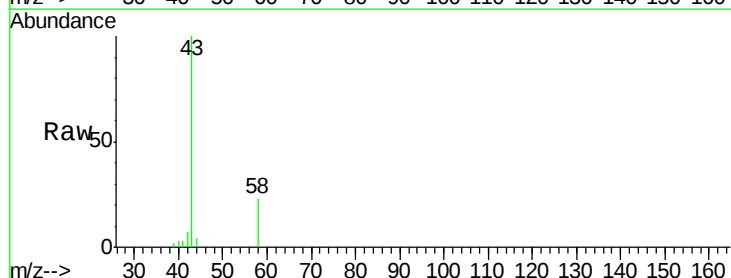
Acq: 17 Apr 2019 19:11

Tgt Ion: 43 Resp: 42345

Ion Ratio Lower Upper

43 100

58 23.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

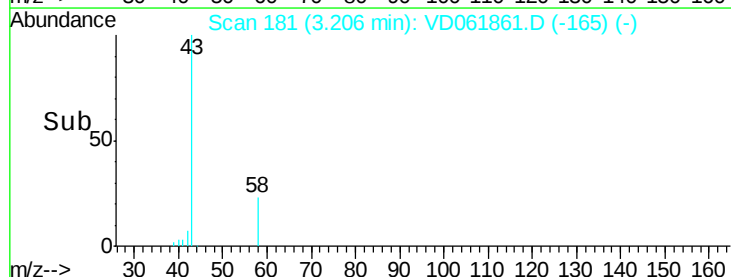
15000

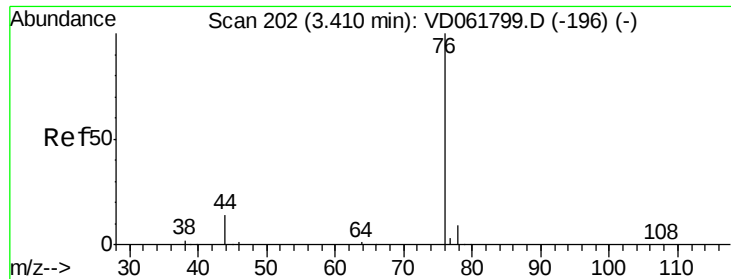
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 2.479 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.04 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

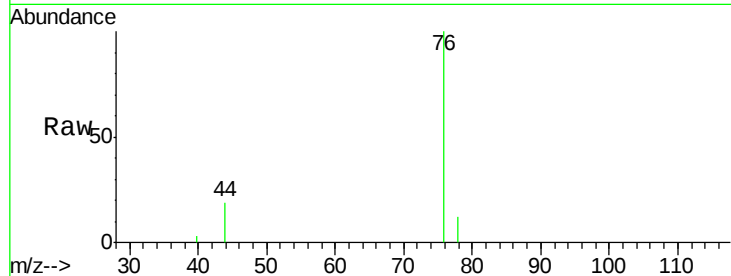
TP-7-S2RE

Tot Ion: 76 Resp: 27108

Ion Ratio Lower Upper

76 100

78 11.8 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

12000

10000

8000

6000

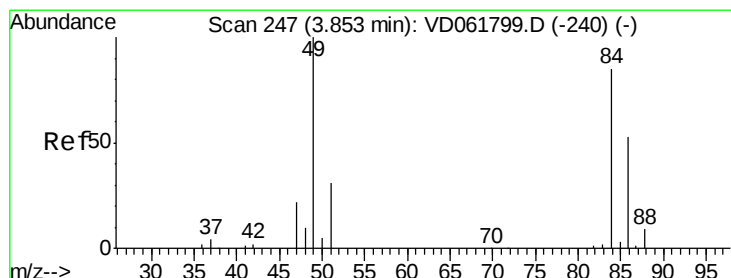
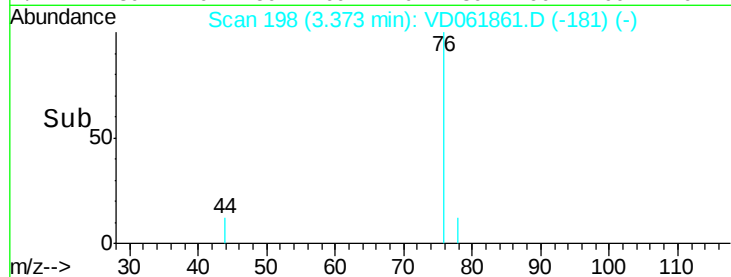
4000

2000

0

Time-->

3.30 3.40 3.50



#20

Methylene Chloride

Concen: 9.850 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.05 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

Tgt Ion: 84 Resp: 50105

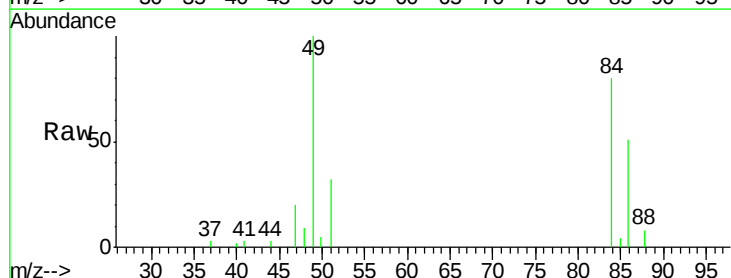
Ion Ratio Lower Upper

84 100

49 125.6 94.0 141.0

51 40.1 29.0 43.4

86 64.5 49.8 74.6



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

30000

25000

20000

15000

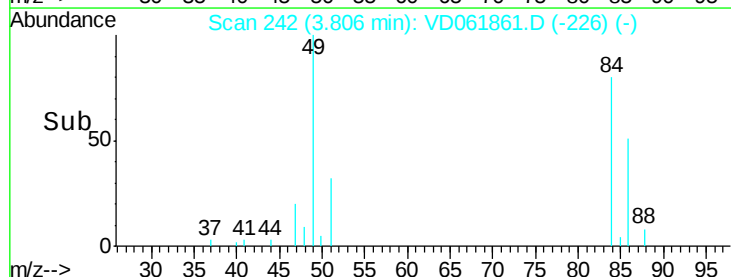
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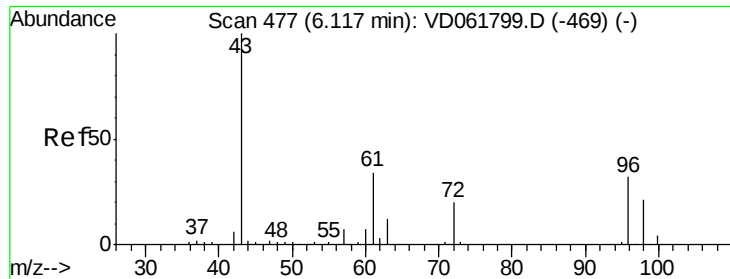
5000

0

Time-->

3.70 3.80 3.90 4.00

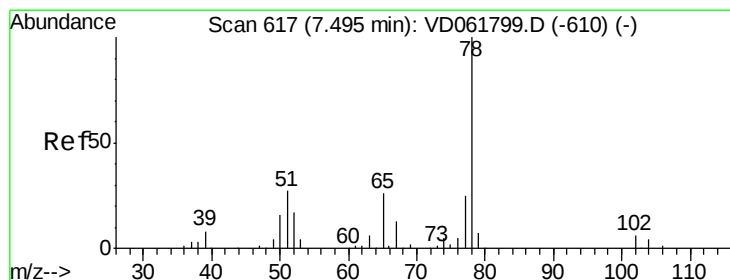
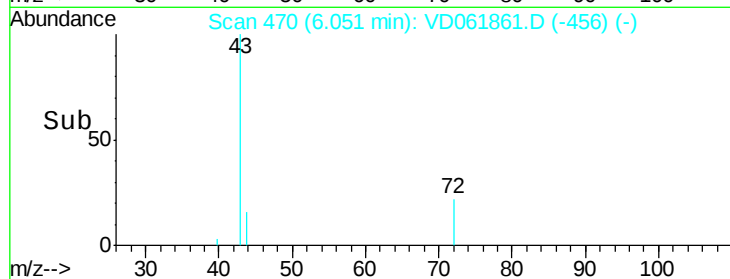
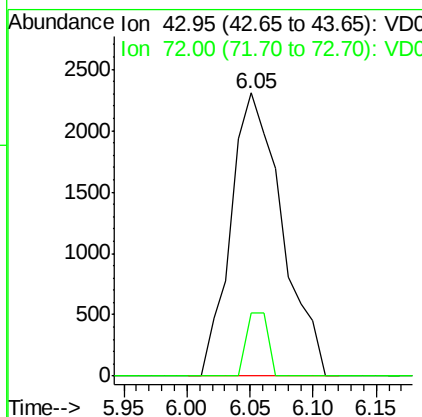
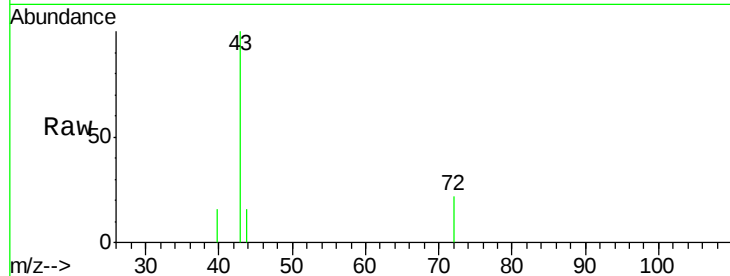




#25
 2-Butanone
 Concen: 7.660 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.07 min
 Lab File: VD061861.D
 Acq: 17 Apr 2019 19:11

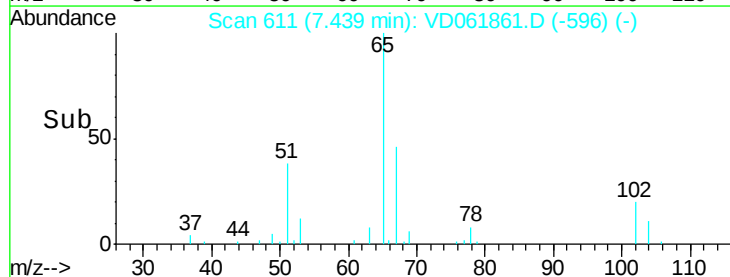
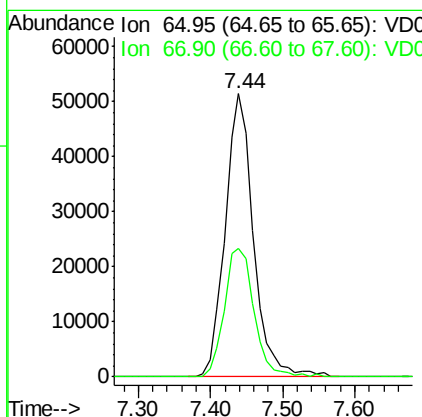
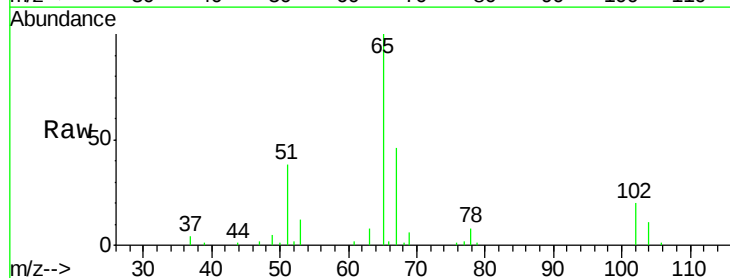
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-S2RE

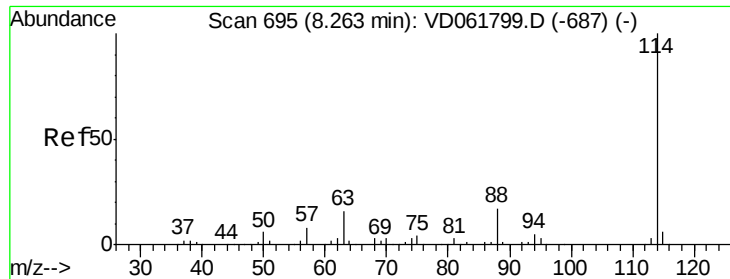
Tot Ion: 43 Resp: 6495
 Ion Ratio Lower Upper
 43 100
 72 22.3 16.2 24.4



#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.06 min
 Lab File: VD061861.D
 Acq: 17 Apr 2019 19:11

Tgt Ion: 65 Resp: 139638
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 98.0

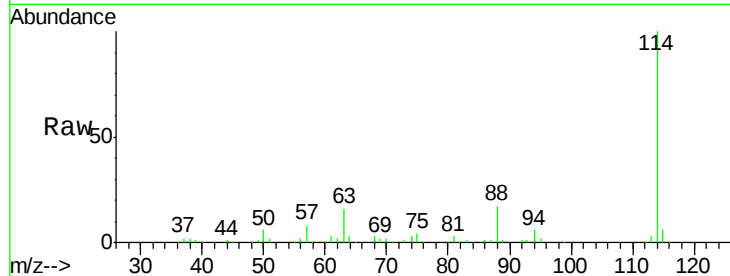




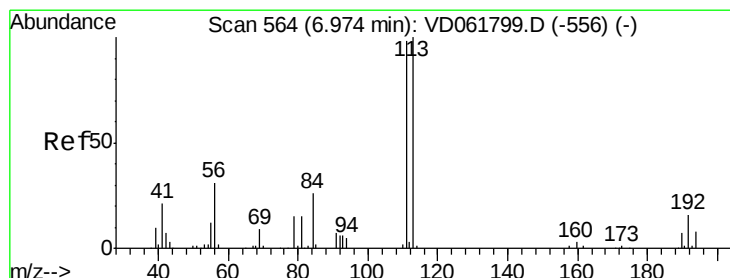
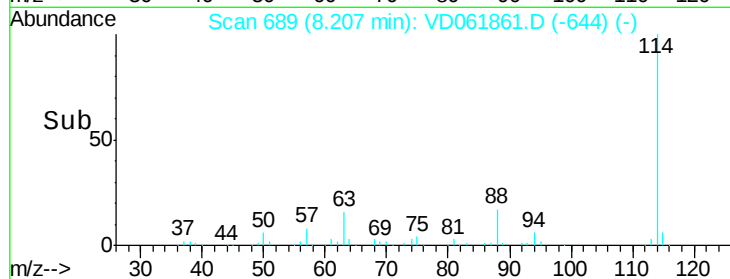
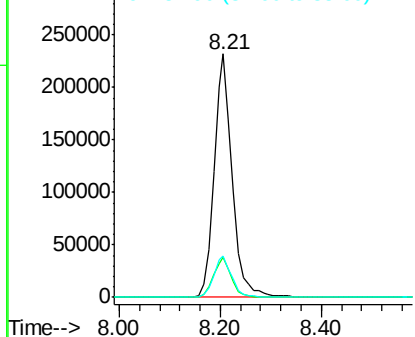
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.06 min
 Lab File: VD061861.D
 Acq: 17 Apr 2019 19:11

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-S2RE

Tot Ion:114 Resp: 581233
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.4
 88 17.1 0.0 33.6

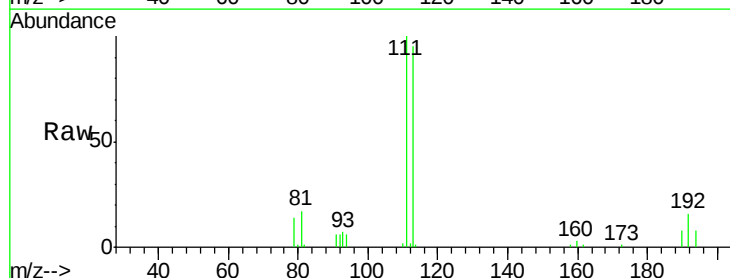


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

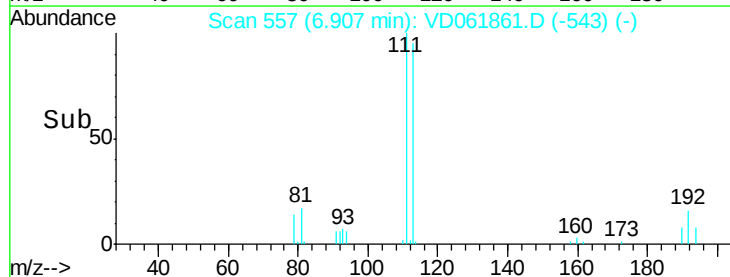
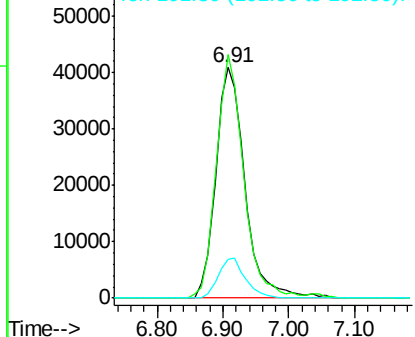


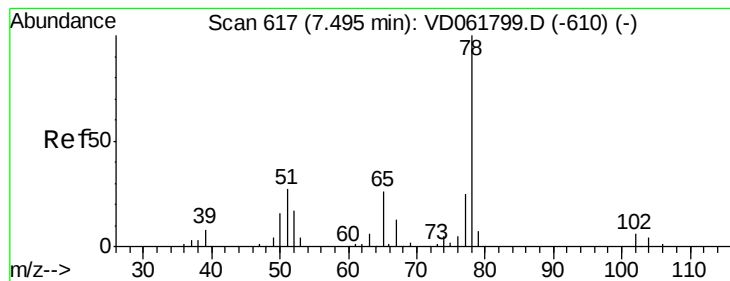
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.07 min
 Lab File: VD061861.D
 Acq: 17 Apr 2019 19:11

Tgt Ion:113 Resp: 125029
 Ion Ratio Lower Upper
 113 100
 111 105.7 78.5 117.7
 192 16.9 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: 1.080 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.05 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

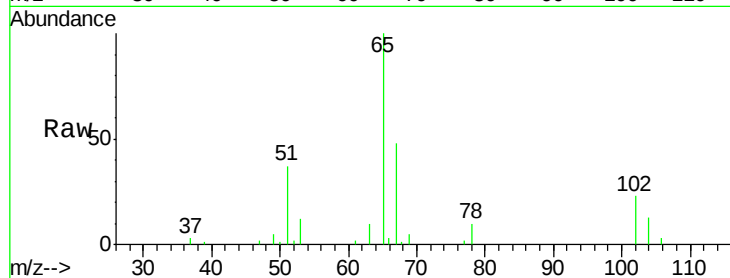
TP-7-S2RE

Tot Ion: 78 Resp: 12311

Ion Ratio Lower Upper

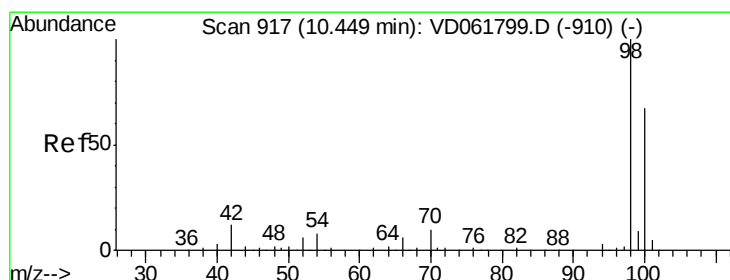
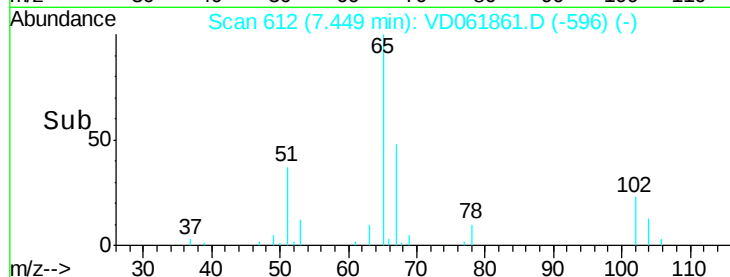
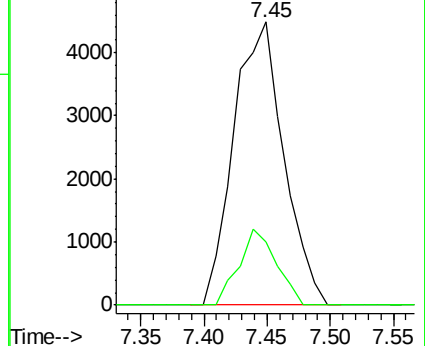
78 100

77 22.3 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: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.05 min

Lab File: VD061861.D

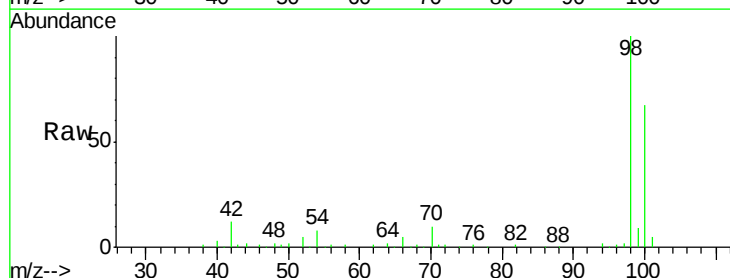
Acq: 17 Apr 2019 19:11

Tgt Ion: 98 Resp: 431708

Ion Ratio Lower Upper

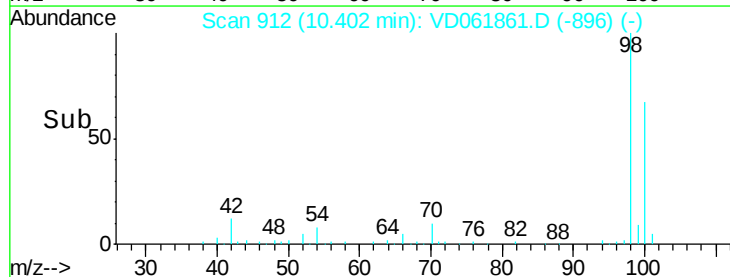
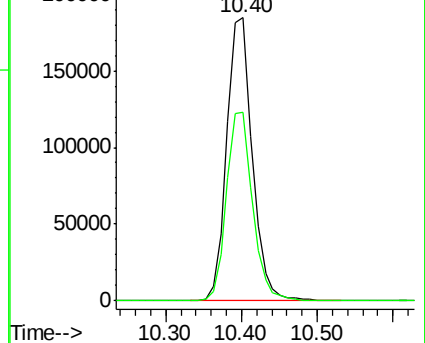
98 100

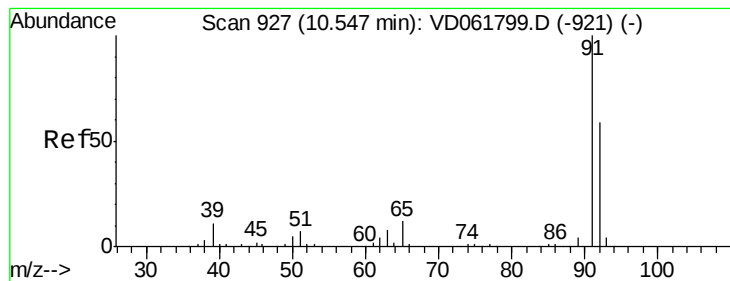
100 66.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 8.616 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.05 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

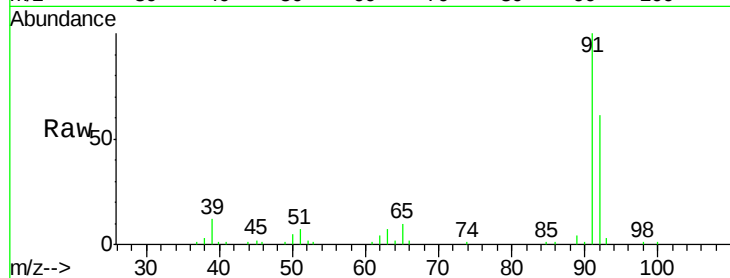
Instrument :
MSVOA_D
ClientSampleId :
TP-7-S2RE

Tot Ion: 92 Resp: 62957

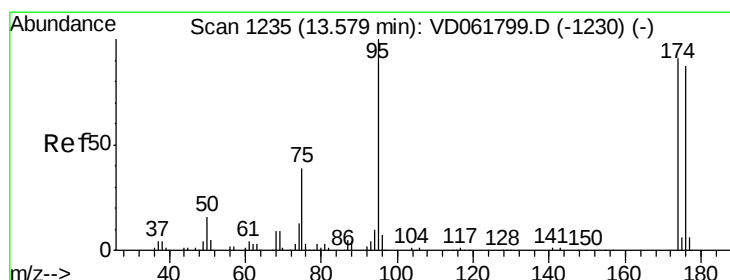
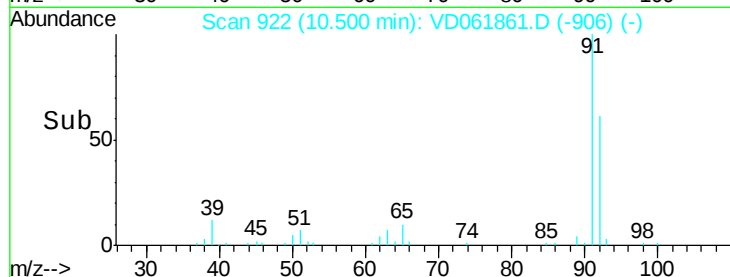
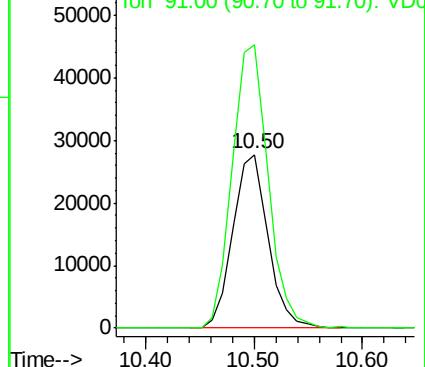
Ion Ratio Lower Upper

92 100

91 162.8 136.6 204.8



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: 13.54 min Scan# 1231

Delta R.T. -0.04 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

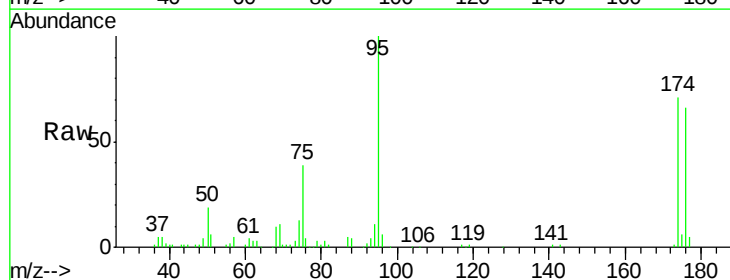
Tgt Ion: 95 Resp: 142295

Ion Ratio Lower Upper

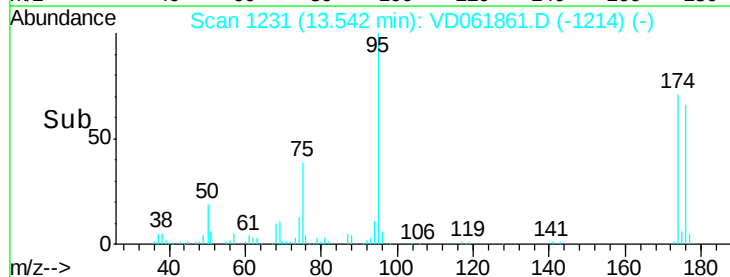
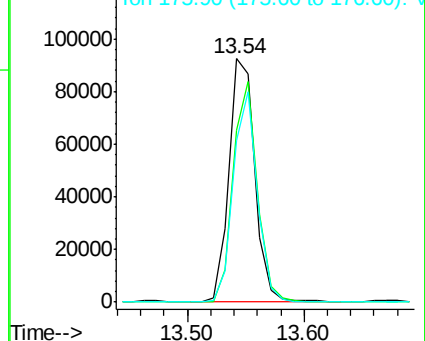
95 100

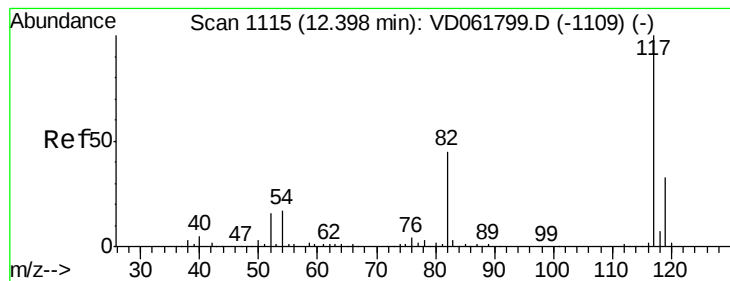
174 70.9 0.0 181.8

176 66.2 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: 12.36 min Scan# 1111

Delta R.T. -0.04 min

Lab File: VD061861.D

Acq: 17 Apr 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

TP-7-S2RE

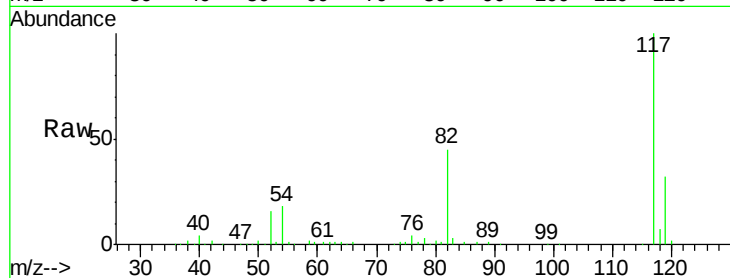
Tot Ion:117 Resp: 442293

Ion Ratio Lower Upper

117 100

82 45.0 36.2 54.2

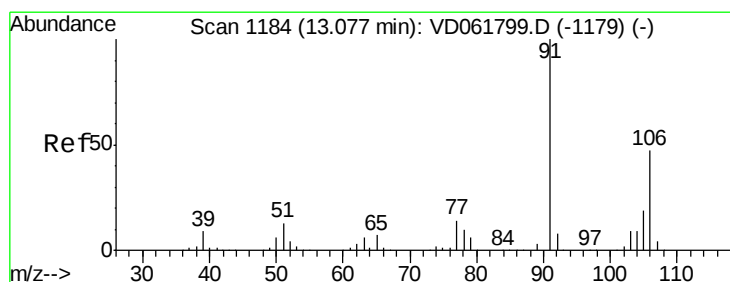
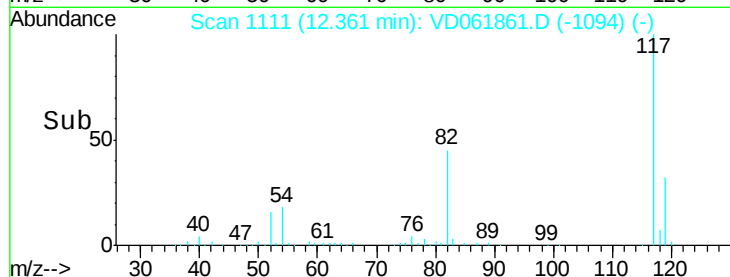
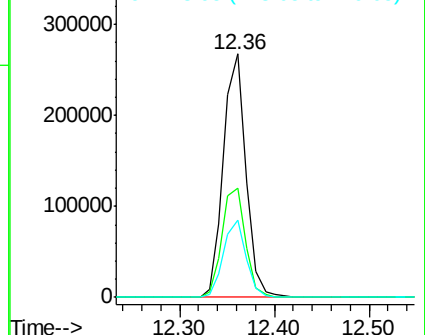
119 32.0 26.2 39.4



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



#69

o-Xylene

Concen: 1.169 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. -0.04 min

Lab File: VD061861.D

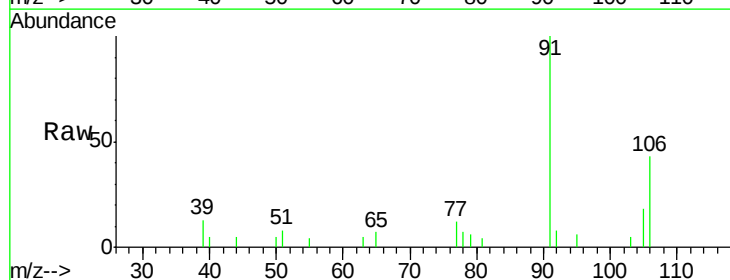
Acq: 17 Apr 2019 19:11

Tgt Ion:106 Resp: 5446

Ion Ratio Lower Upper

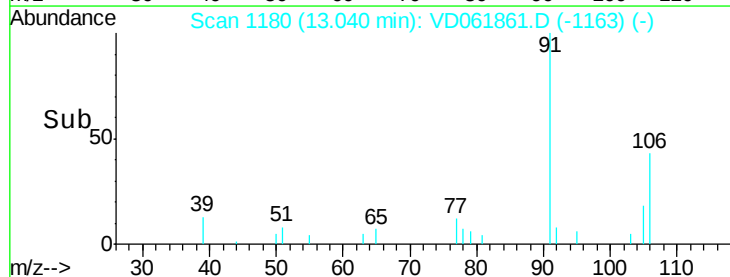
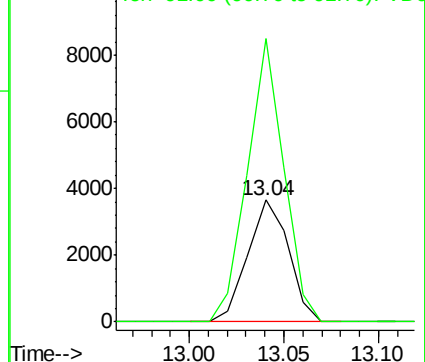
106 100

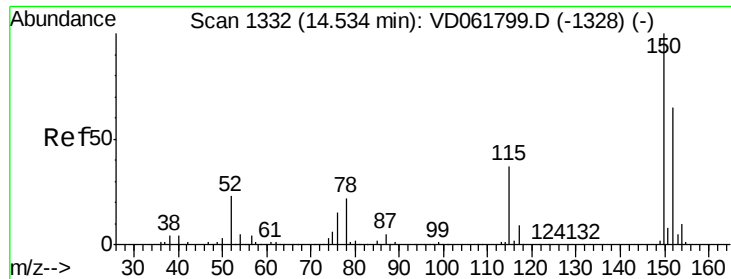
91 232.3 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



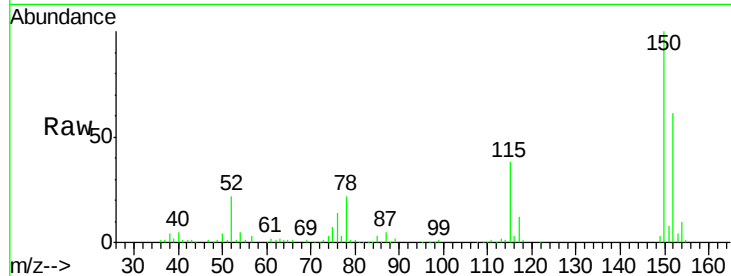


#72

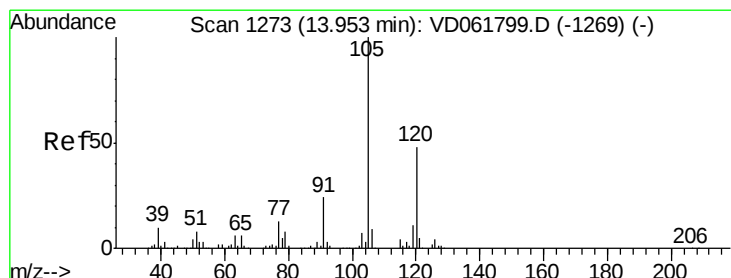
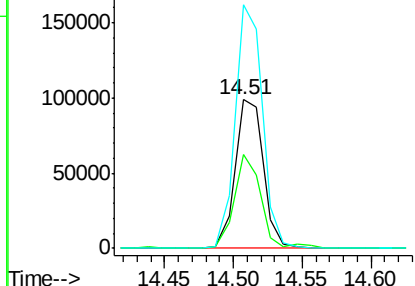
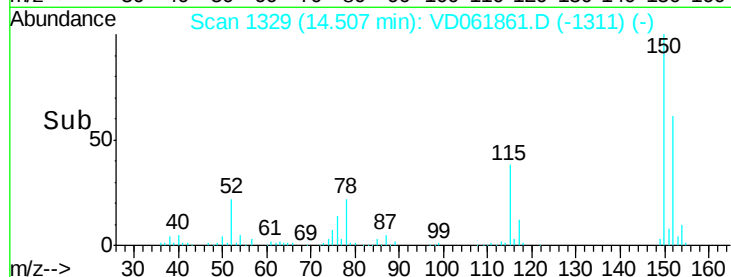
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.03 min
Lab File: VD061861.D
Acq: 17 Apr 2019 19:11

Instrument :
MSVOA_D
ClientSampleId :
TP-7-S2RE

Tot Ion:152 Resp: 140589
Ion Ratio Lower Upper
152 100
115 63.1 30.9 92.7
150 164.1 0.0 314.8



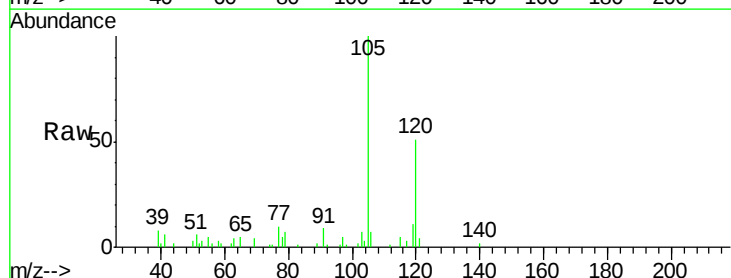
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



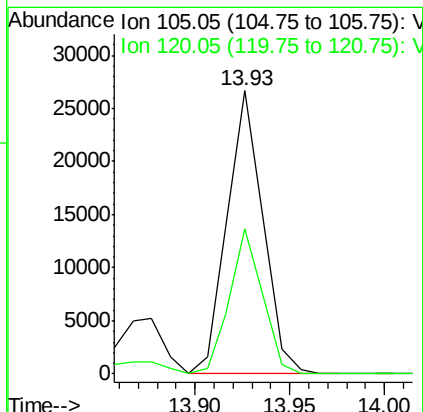
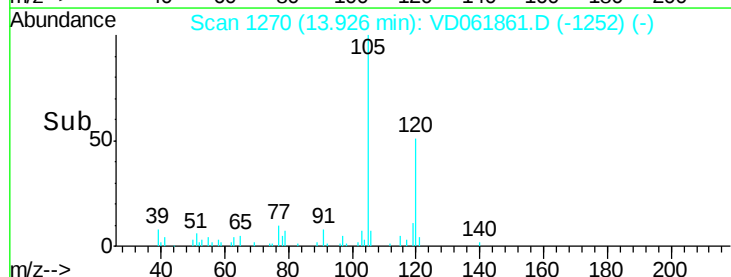
#80

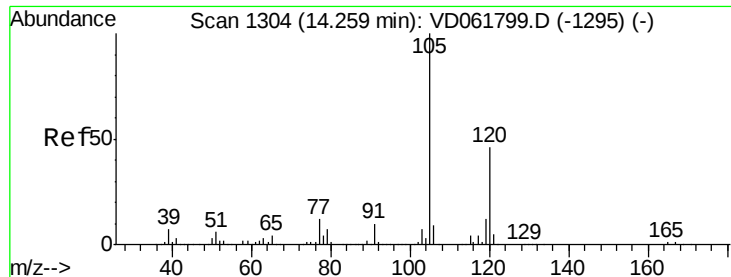
1,3,5-Trimethylbenzene
Concen: 4.806 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VD061861.D
Acq: 17 Apr 2019 19:11

Tgt Ion:105 Resp: 34766
Ion Ratio Lower Upper
105 100
120 51.5 24.0 72.0



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

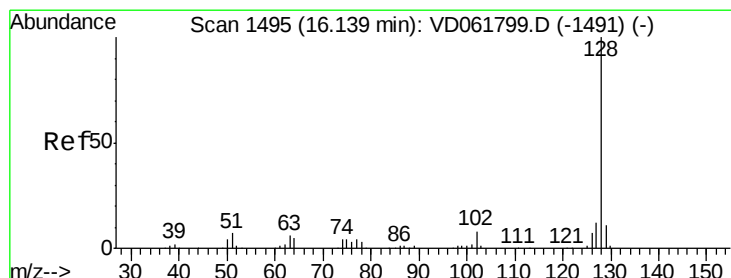
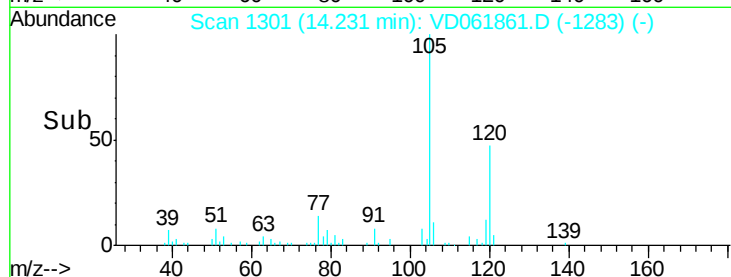
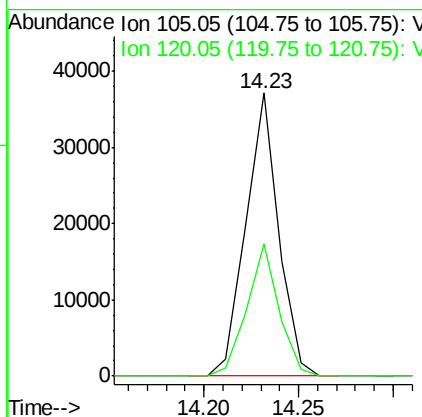
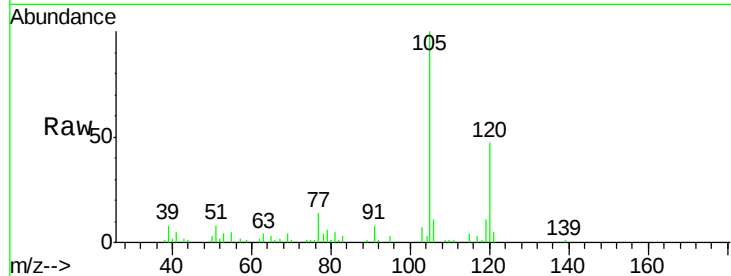




#84
 1,2,4-Trimethylbenzene
 Concen: 6.104 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.03 min
 Lab File: VD061861.D
 Acq: 17 Apr 2019 19:11

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-S2RE

Tot Ion:105 Resp: 44391
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2



#95
 Naphthalene
 Concen: 3.540 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.02 min
 Lab File: VD061861.D
 Acq: 17 Apr 2019 19:11

Tgt Ion:128 Resp: 11286
 Ion Ratio Lower Upper
 128 100
 127 10.8 9.8 14.8
 129 11.7 8.8 13.2

