

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061169.D
 Acq On : 19 Mar 2019 4:06
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.77g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-MW-7(10.5-11)

Quant Time: Mar 19 05:03:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	620822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1139497	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	887107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	387734	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	284326	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	6.92	113	472301	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
50) Toluene-d8	10.39	98	1095647	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	13.55	95	389549	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

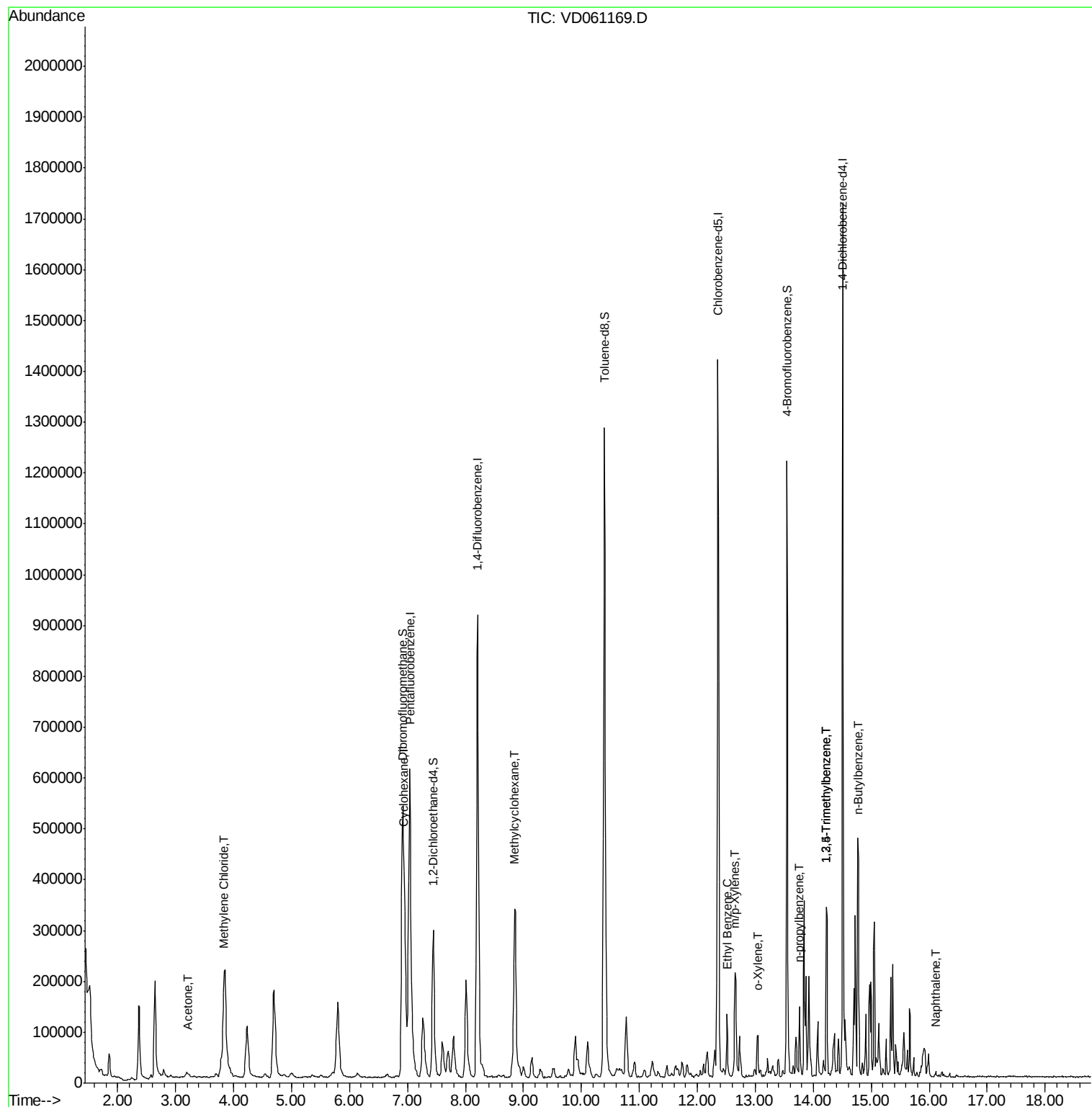
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	14168	9.588	ug/l	94
20) Methylene Chloride	3.82	84	41464	1.643	ug/l	92
31) Cyclohexane	6.95	56	136549	14.933	ug/l	97
39) Methylcyclohexane	8.86	83	193421	18.991	ug/l	97
67) Ethyl Benzene	12.51	91	85195	3.291	ug/l	94
68) m/p-Xylenes	12.65	106	71906	7.076	ug/l	95
69) o-Xylene	13.04	106	22325	2.235	ug/l	93
78) n-propylbenzene	13.76	91	98806	3.020	ug/l	97
80) 1,3,5-Trimethylbenzene	14.22	105	175158	8.257	ug/l	97
84) 1,2,4-Trimethylbenzene	14.22	105	175158	8.257	ug/l	97
89) n-Butylbenzene	14.79	91	74915	3.367	ug/l #	79
95) Naphthalene	16.11	128	7568	1.011	ug/l #	95

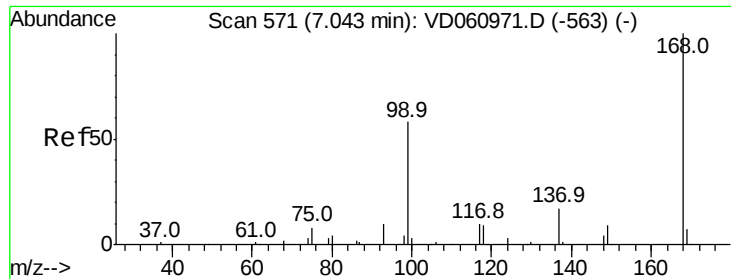
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-MW-7(10.5-11)

Quant Time: Mar 19 05:03:26 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

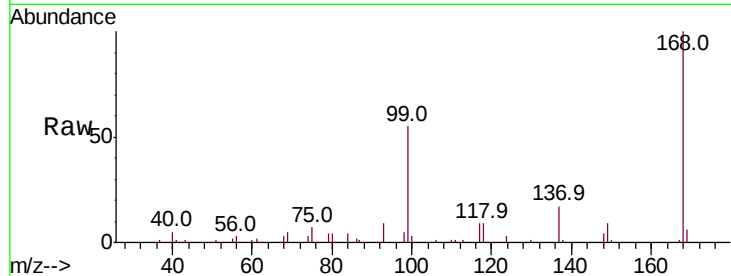
SB-MW-7(10.5-11)

Tot Ion:168 Resp: 620822

Ion Ratio Lower Upper

168 100

99 54.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

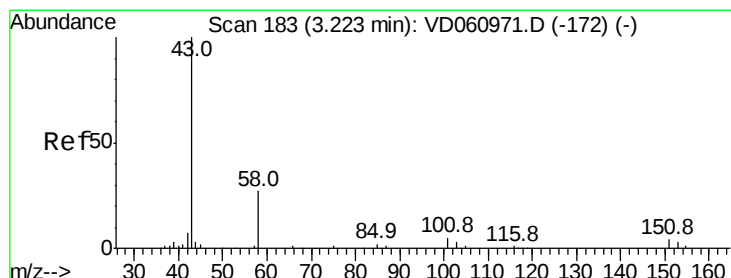
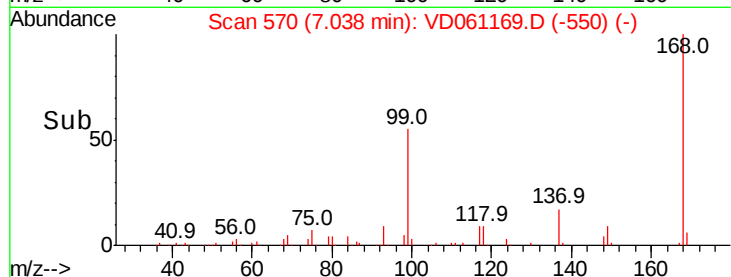
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 9.588 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061169.D

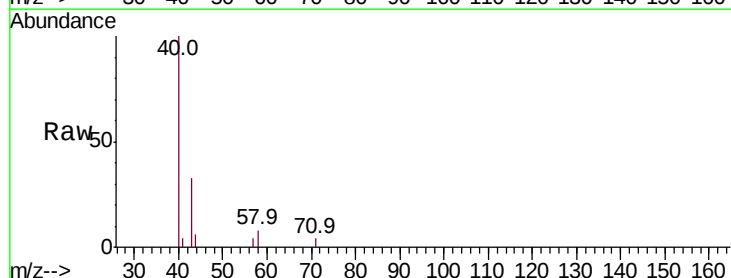
Acq: 19 Mar 2019 4:06

Tgt Ion: 43 Resp: 14168

Ion Ratio Lower Upper

43 100

58 24.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

4000

3000

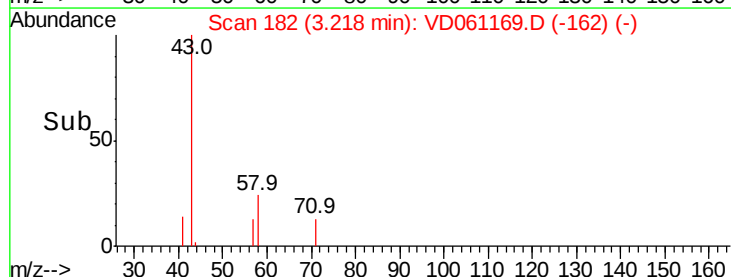
2000

1000

0

Time-->

3.10 3.20 3.30

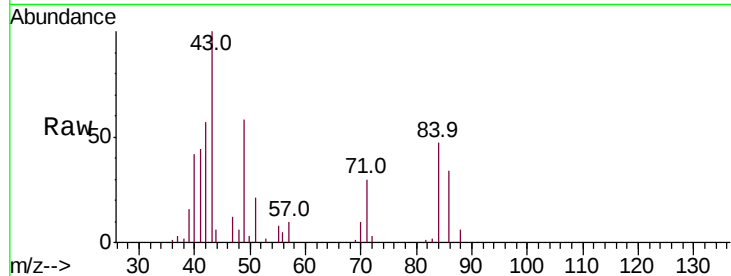




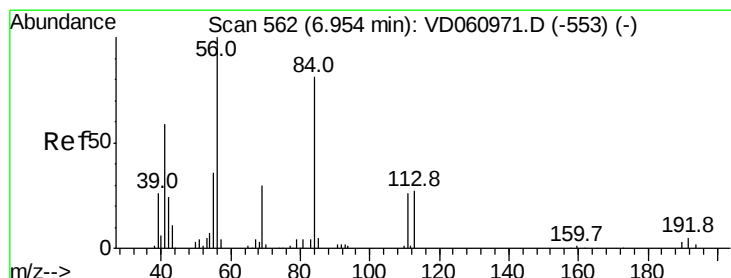
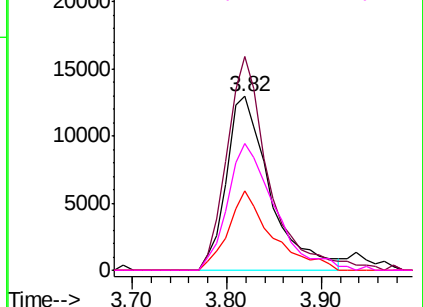
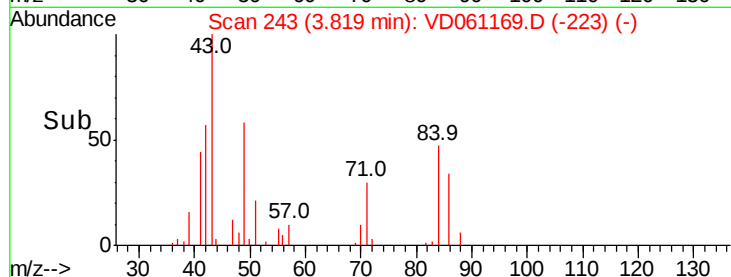
#20
Methylene Chloride
Concen: 1.643 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion: 84 Resp: 41464
Ion Ratio Lower Upper
84 100
49 122.9 104.2 156.2
51 45.4 32.3 48.5
86 73.0 52.3 78.5

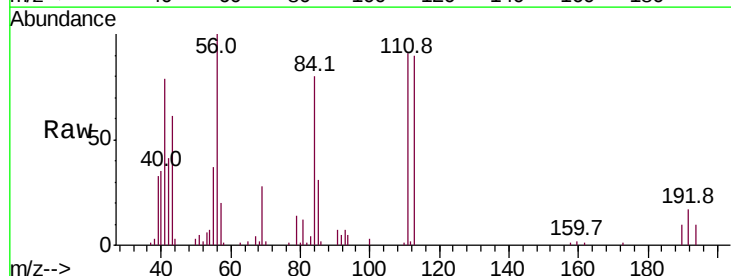


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

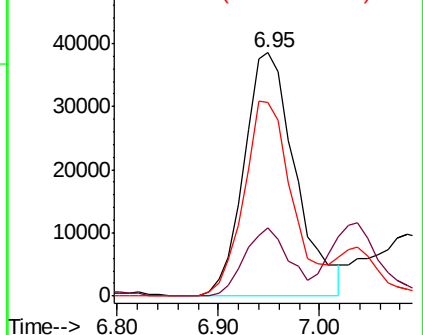
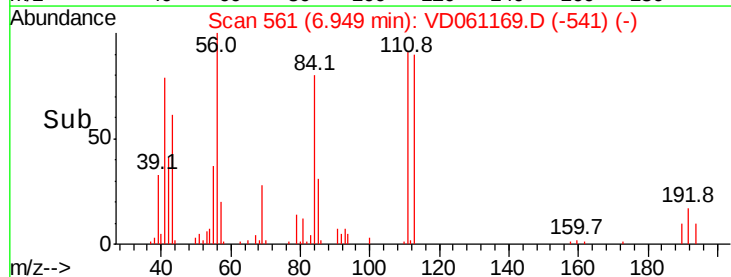


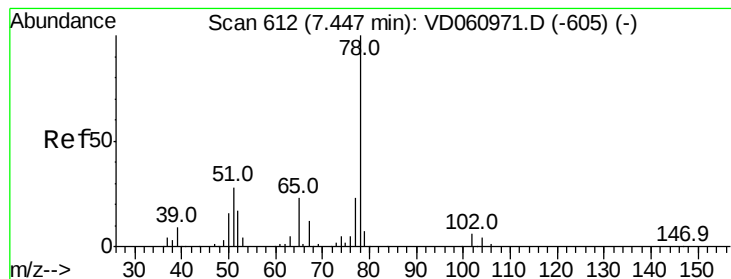
#31
Cyclohexane
Concen: 14.933 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Tgt Ion: 56 Resp: 136549
Ion Ratio Lower Upper
56 100
69 28.1 24.0 36.0
84 79.6 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

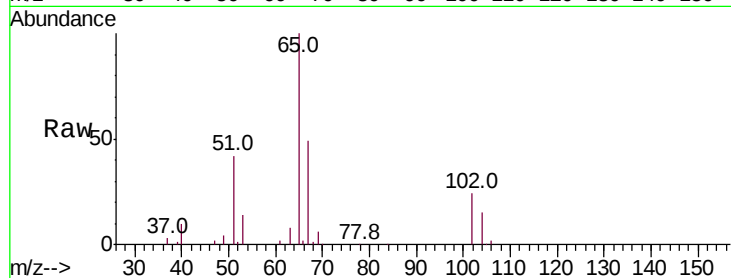
SB-MW-7(10.5-11)

Tot Ion: 65 Resp: 284326

Ion Ratio Lower Upper

65 100

67 49.2 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

120000

100000

80000

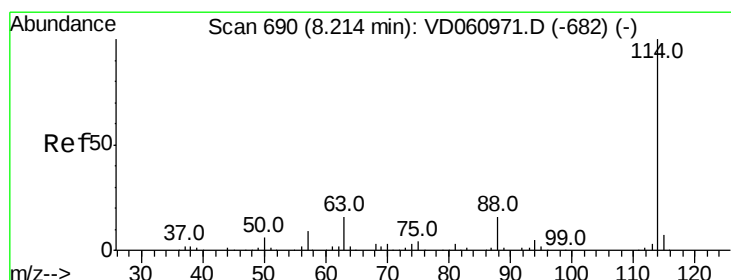
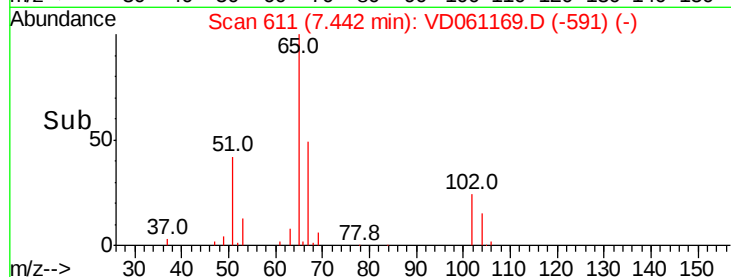
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

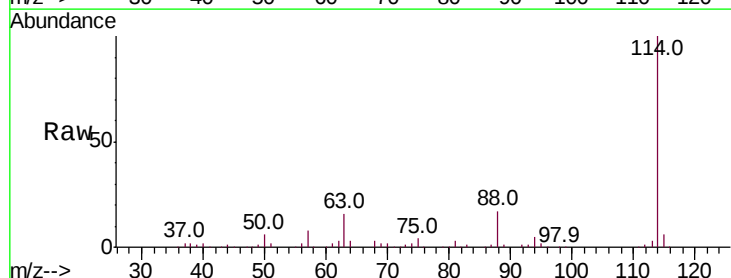
Tgt Ion: 114 Resp: 1139497

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

88 17.1 0.0 33.0



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

8.21

600000

500000

400000

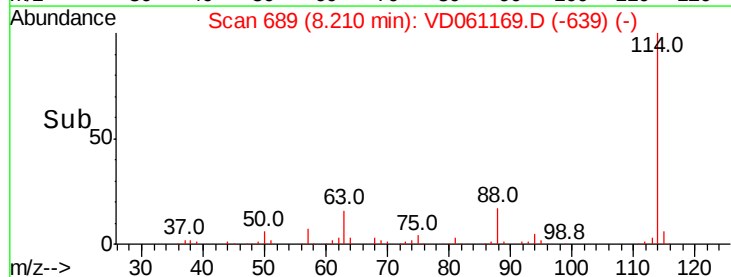
300000

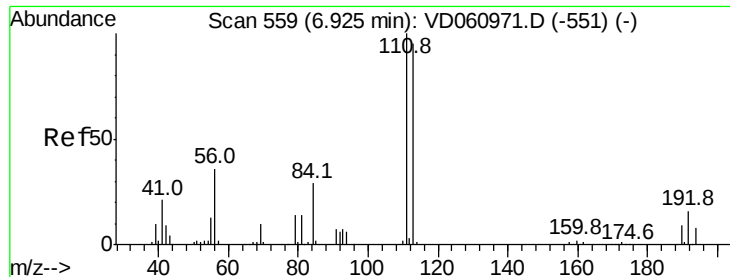
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

SB-MW-7(10.5-11)

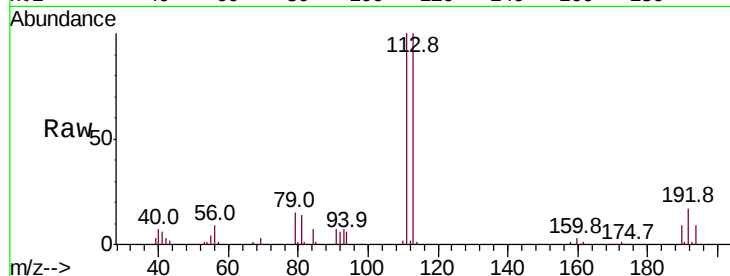
Tot Ion:113 Resp: 472301

Ion Ratio Lower Upper

113 100

111 100.2 84.2 126.4

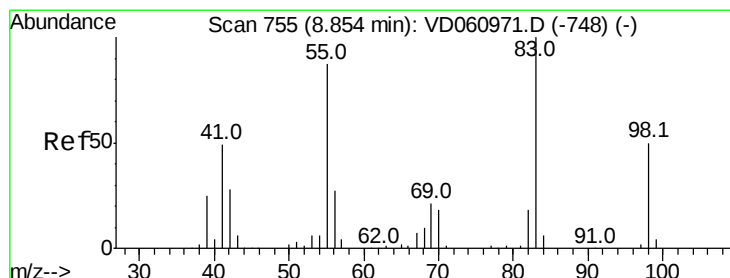
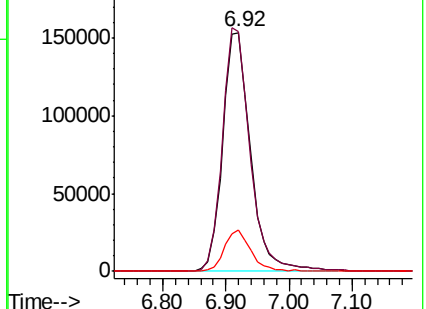
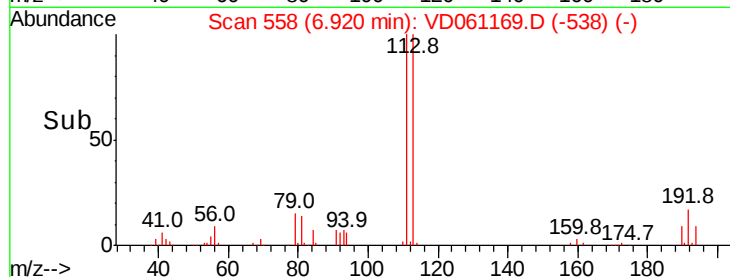
192 17.3 13.1 19.7



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



#39

Methylcyclohexane

Concen: 18.991 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

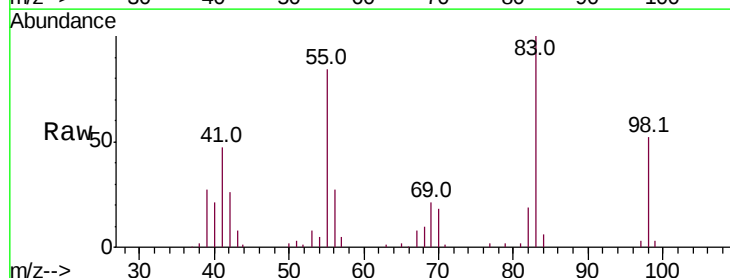
Tgt Ion: 83 Resp: 193421

Ion Ratio Lower Upper

83 100

55 84.4 69.6 104.4

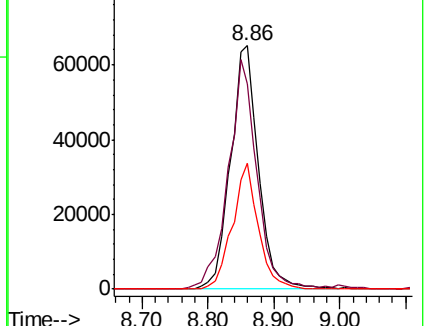
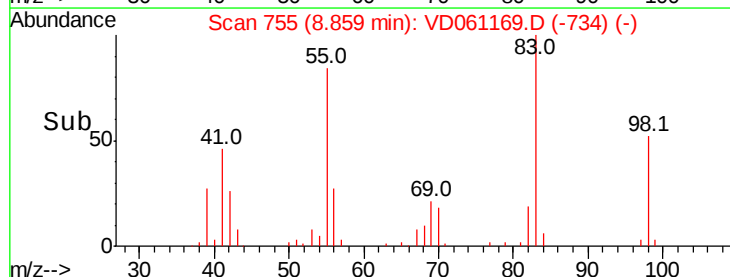
98 51.6 40.0 60.0

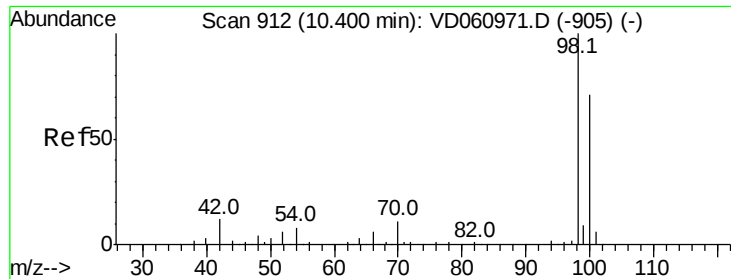


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V

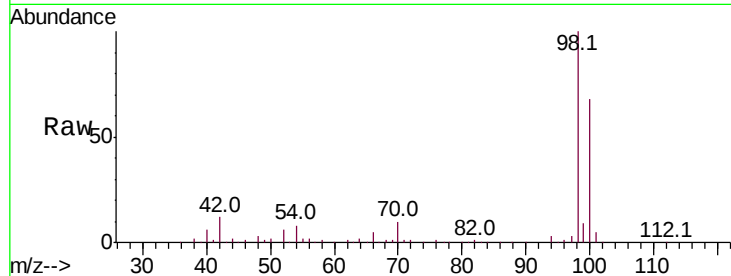




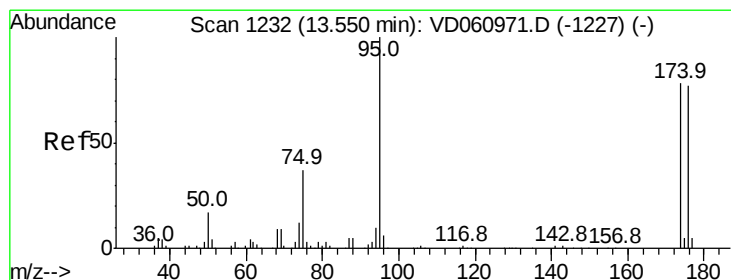
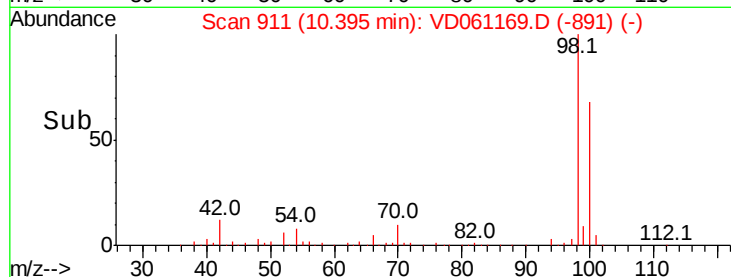
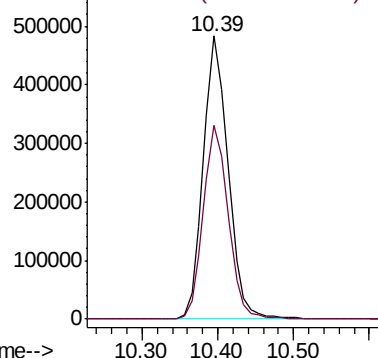
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion: 98 Resp: 1095647
Ion Ratio Lower Upper
98 100
100 68.3 57.4 86.2

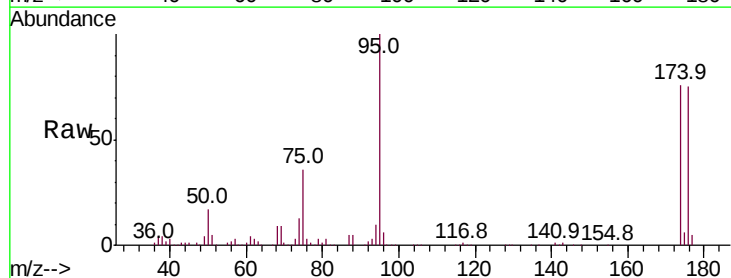


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

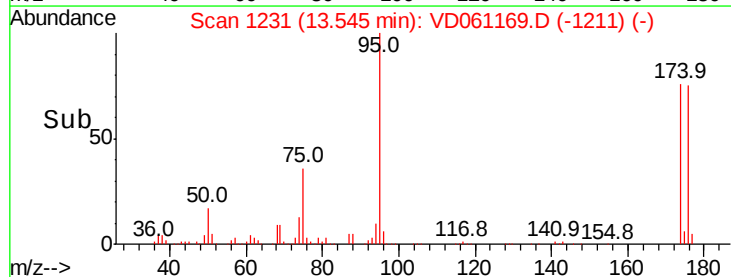
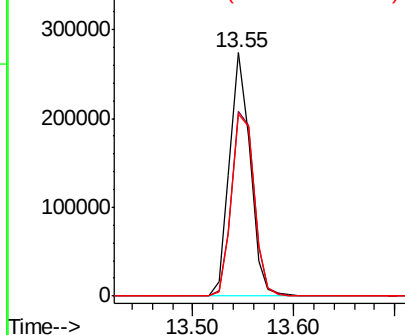


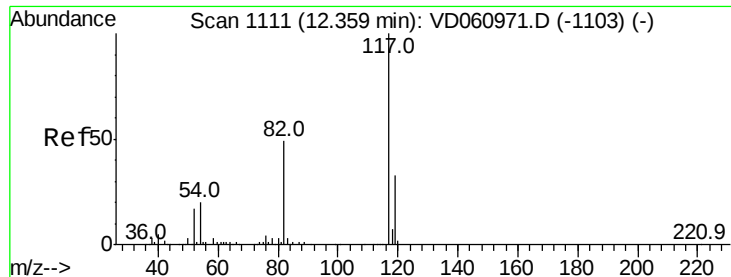
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Tgt Ion: 95 Resp: 389549
Ion Ratio Lower Upper
95 100
174 75.9 0.0 155.6
176 74.9 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

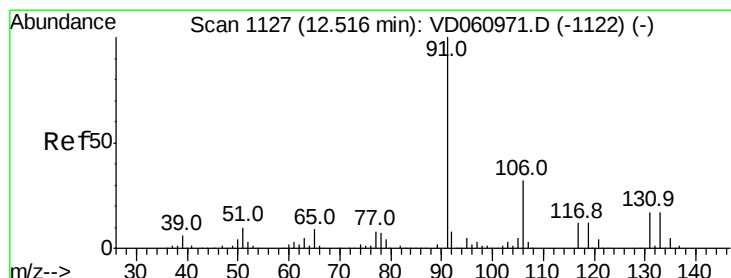
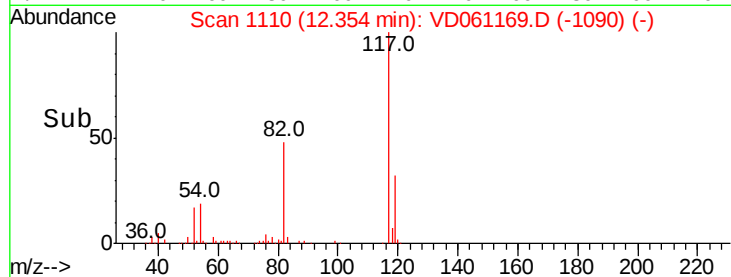
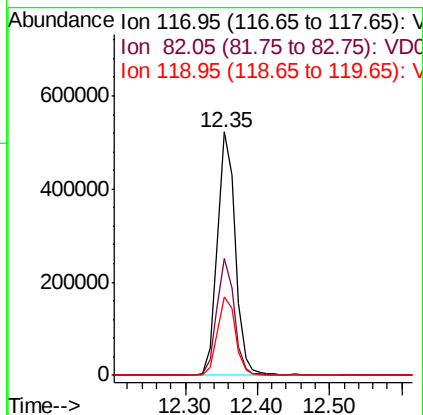
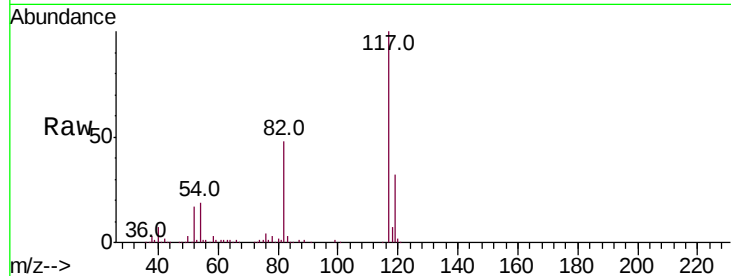




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

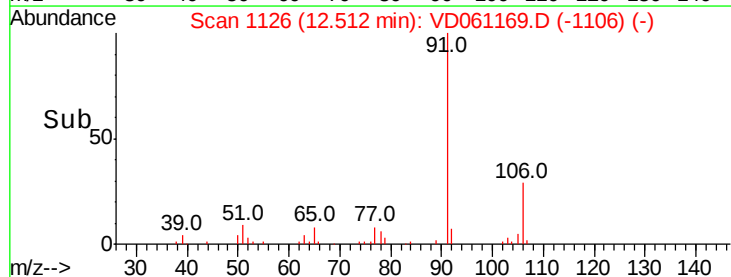
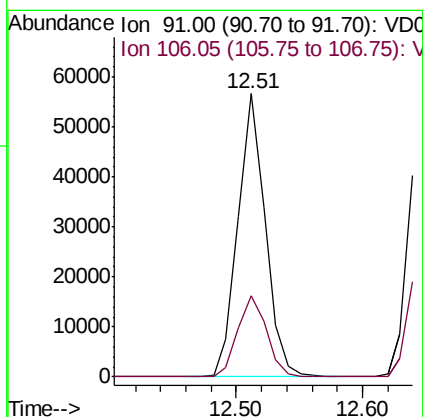
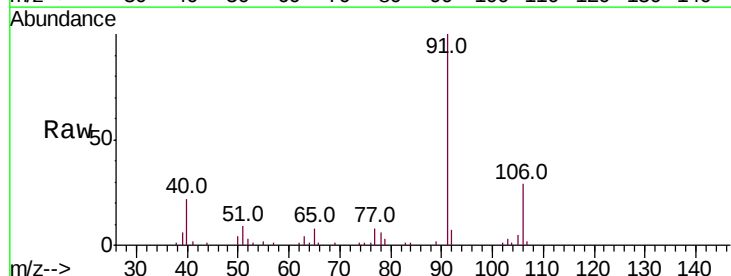
Instrument :
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SB-MW-7(10.5-11)

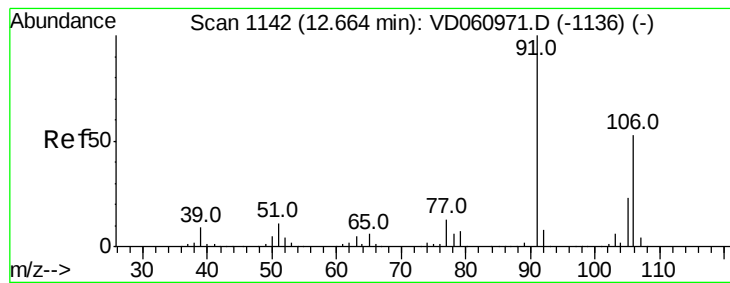
Tot Ion:117 Resp: 887107
Ion Ratio Lower Upper
117 100
82 47.9 38.9 58.3
119 32.2 26.6 39.8



#67
Ethyl Benzene
Concen: 3.291 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Tgt Ion: 91 Resp: 85195
Ion Ratio Lower Upper
91 100
106 28.8 25.7 38.5





#68

m/p-Xvlenes

Concen: 7.076 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

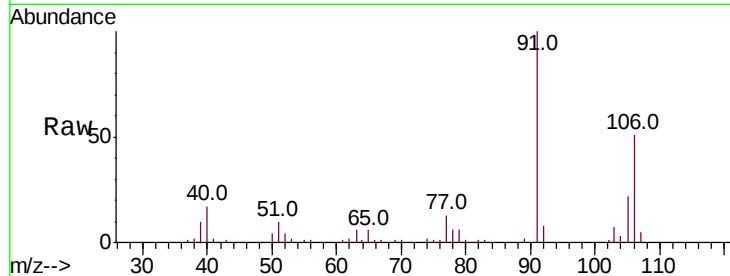
SB-MW-7(10.5-11)

Tot Ion:106 Resp: 71906

Ion Ratio Lower Upper

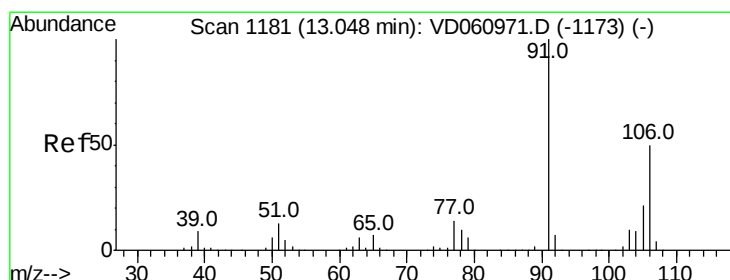
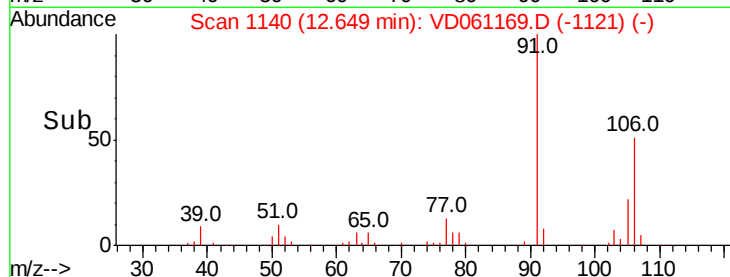
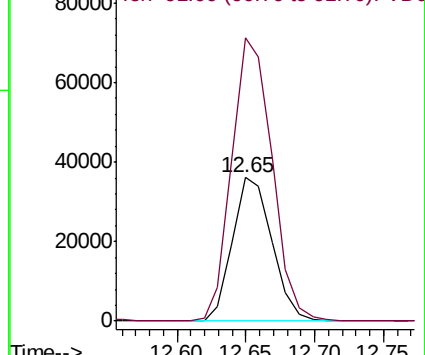
106 100

91 197.6 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 2.235 ug/l

RT: 13.04 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD061169.D

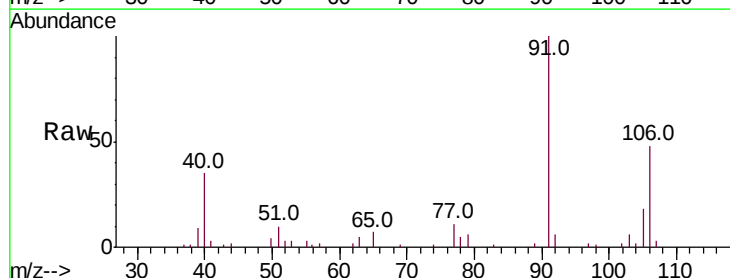
Acq: 19 Mar 2019 4:06

Tgt Ion:106 Resp: 22325

Ion Ratio Lower Upper

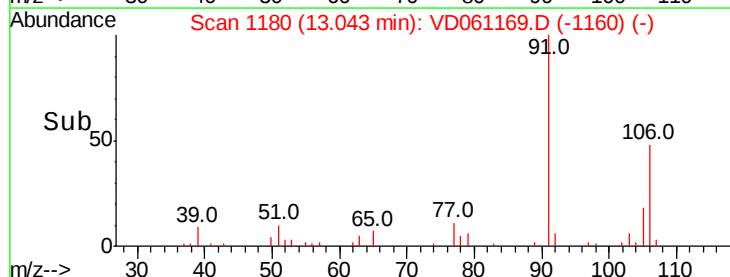
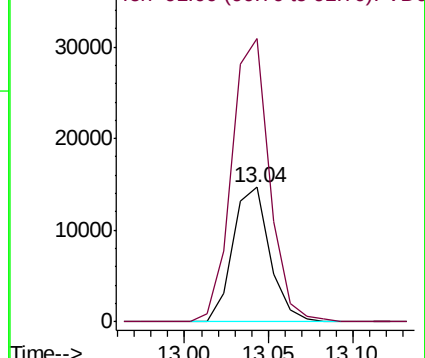
106 100

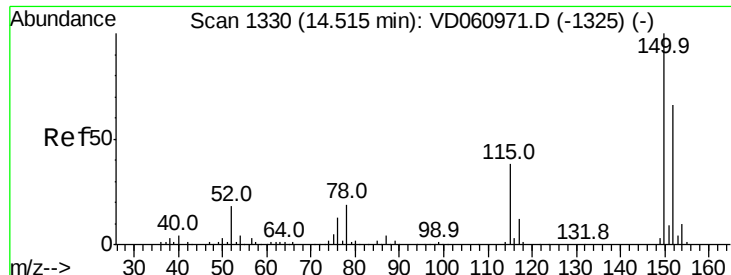
91 210.0 99.8 299.3



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061169.D

Acq: 19 Mar 2019 4:06

Instrument :

MSVOA_D

ClientSampleId :

SB-MW-7(10.5-11)

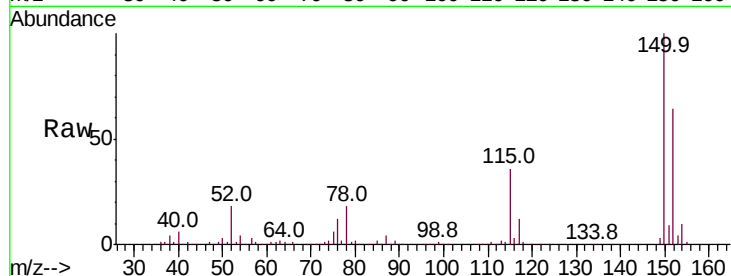
Tot Ion:152 Resp: 387734

Ion Ratio Lower Upper

152 100

115 56.9 28.6 85.9

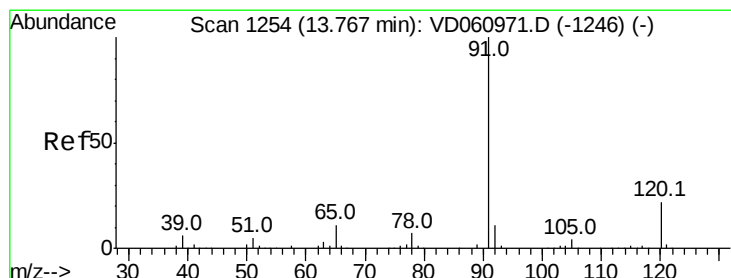
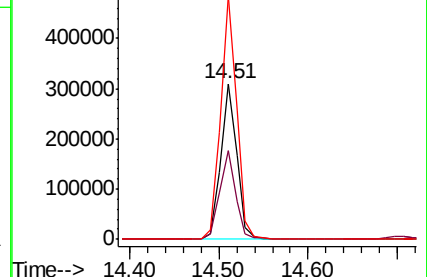
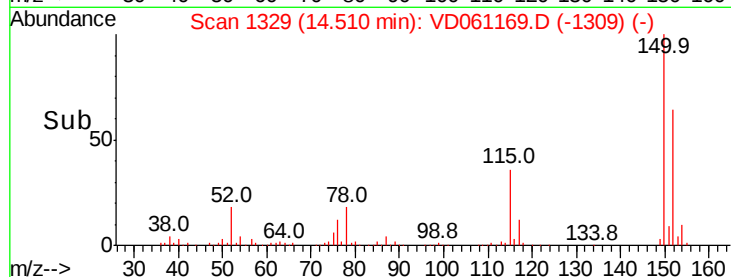
150 156.5 0.0 310.6



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



#78

n-propylbenzene

Concen: 3.020 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061169.D

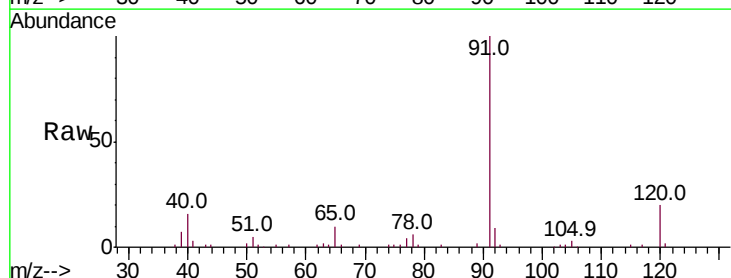
Acq: 19 Mar 2019 4:06

Tgt Ion: 91 Resp: 98806

Ion Ratio Lower Upper

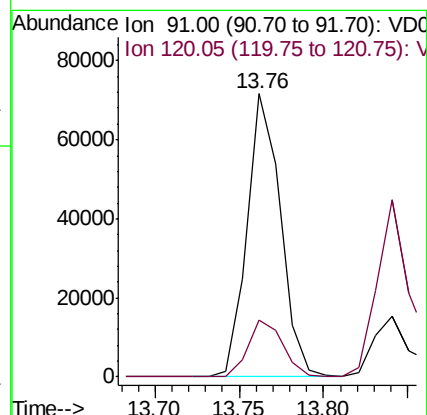
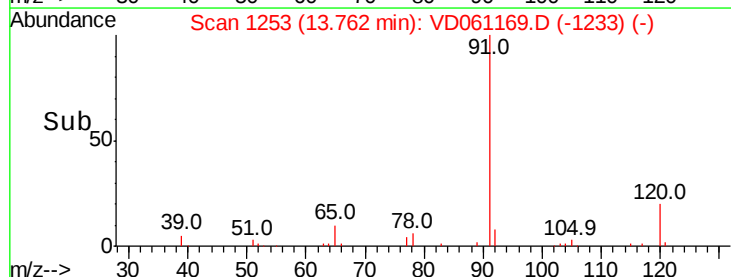
91 100

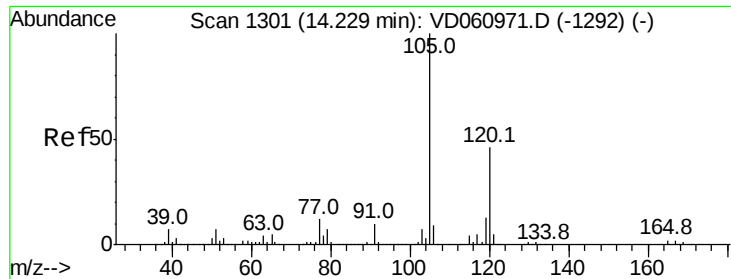
120 20.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

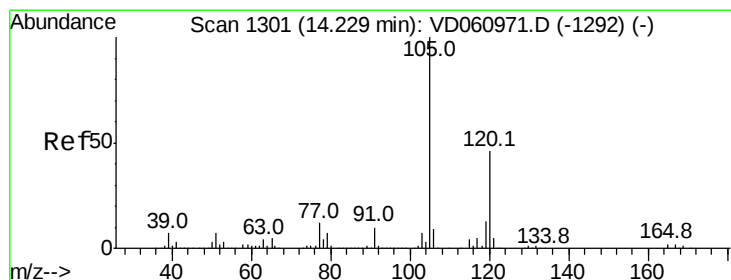
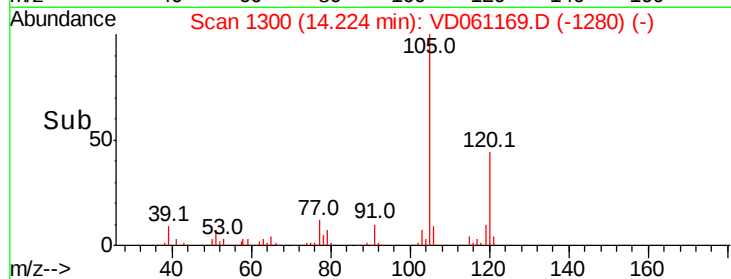
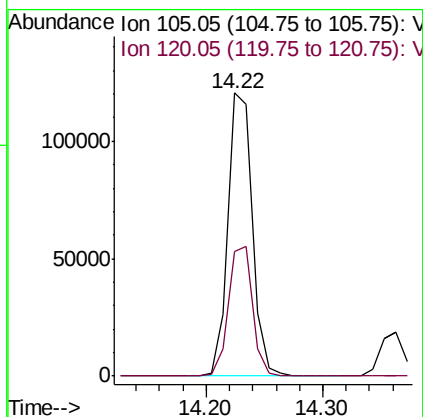
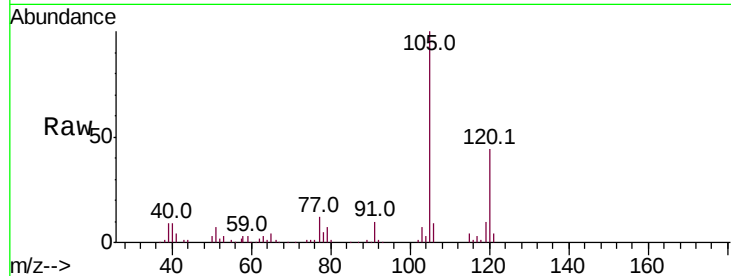




#80
 1,3,5-Trimethylbenzene
 Concen: 8.257 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD061169.D
 Acq: 19 Mar 2019 4:06

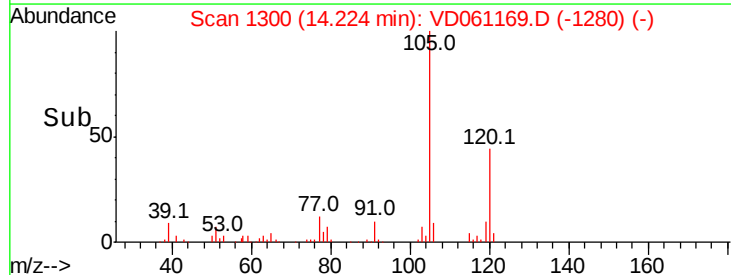
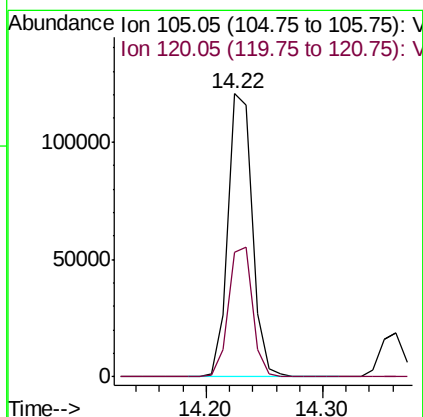
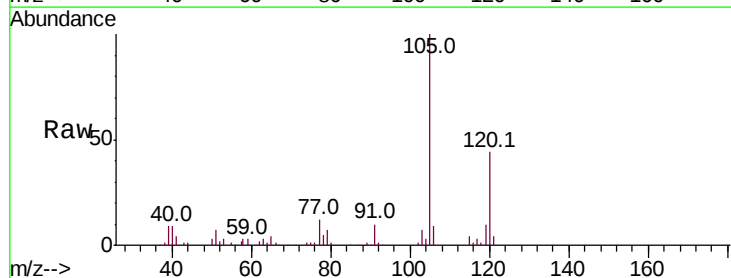
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-MW-7(10.5-11)

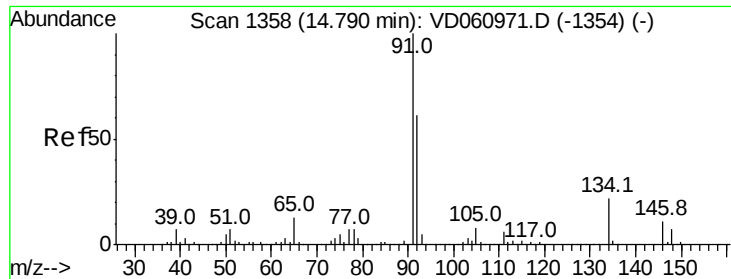
Tot Ion:105 Resp: 175158
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.9 68.5



#84
 1,2,4-Trimethylbenzene
 Concen: 8.257 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: VD061169.D
 Acq: 19 Mar 2019 4:06

Tgt Ion:105 Resp: 175158
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.9 68.5

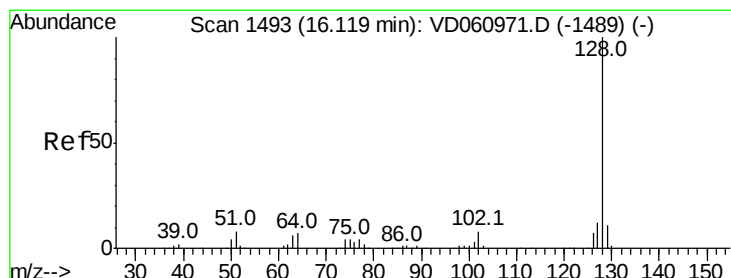
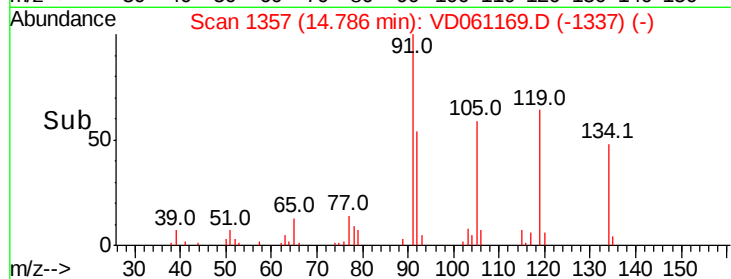
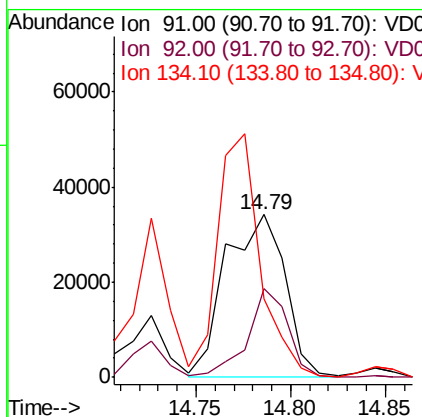
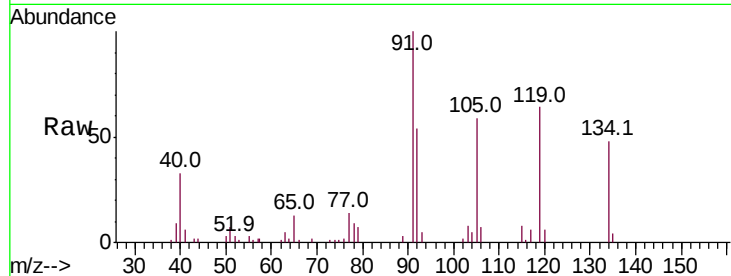




#89
n-Butylbenzene
Concen: 3.367 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion: 91 Resp: 74915
Ion Ratio Lower Upper
91 100
92 54.5 30.6 91.8
134 48.3 11.0 33.0#



#95
Naphthalene
Concen: 1.011 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061169.D
Acq: 19 Mar 2019 4:06

Tgt Ion: 128 Resp: 7568
Ion Ratio Lower Upper
128 100
127 9.2 9.8 14.8#
129 11.3 8.5 12.7

