

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066742.D
 Acq On : 17 Sep 2020 14:10
 Operator : VA/SY
 Sample : L4033-21
 Misc : 8.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 54-57

Quant Time: Sep 18 03:03:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	793427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	740824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302121	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	251150	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
35) Dibromofluoromethane	7.91	113	252183	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.34	98	993252	57.31	ug/l	0.00
Spiked Amount			Recovery	=	114.62%	
62) 4-Bromofluorobenzene	12.63	95	317325	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	

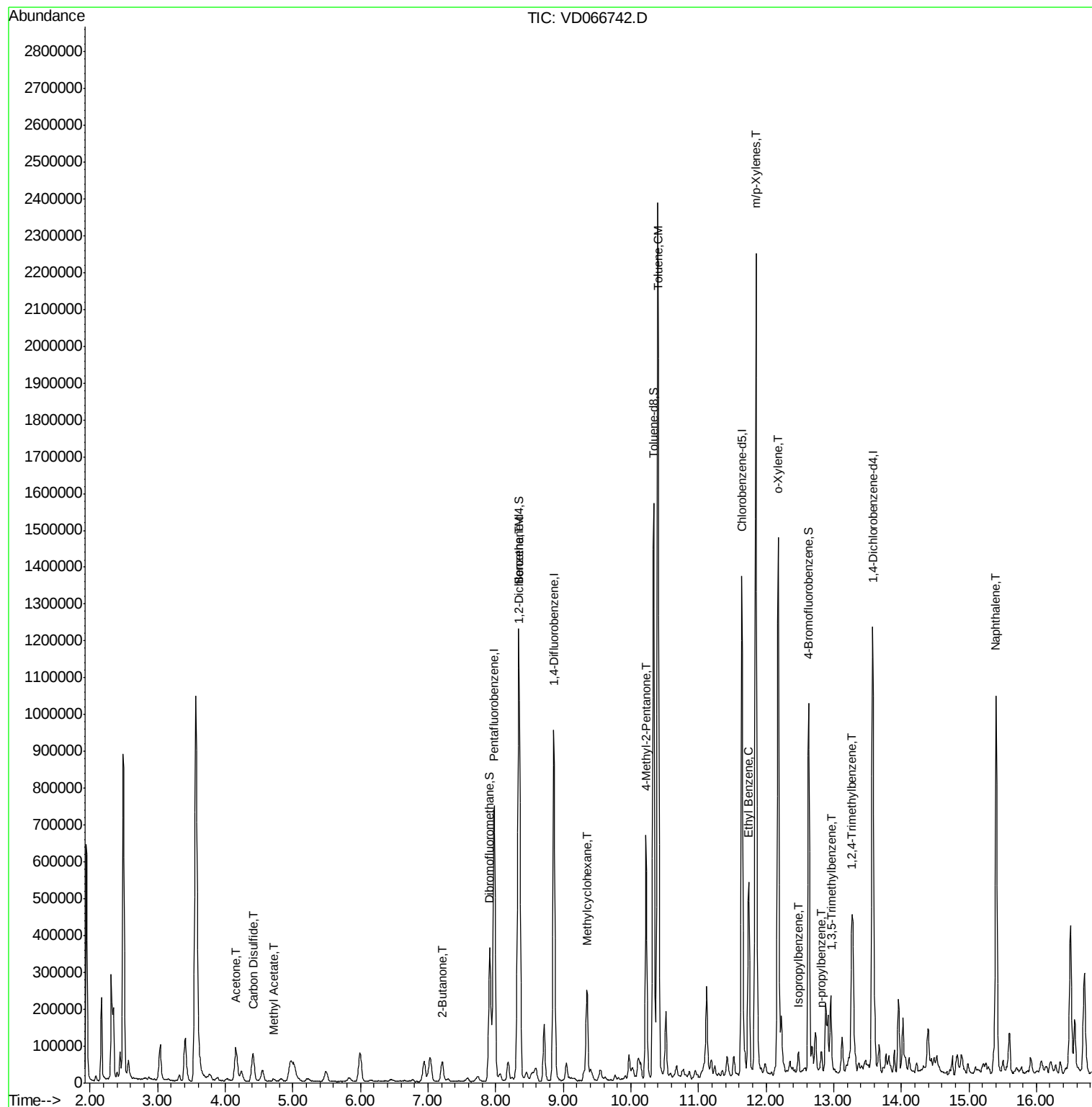
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	161973	166.045	ug/l	98
17) Carbon Disulfide	4.41	76	159512	11.300	ug/l #	92
18) Methyl Acetate	4.73	43	12193	2.425	ug/l	99
25) 2-Butanone	7.21	43	70095	55.184	ug/l	97
39) Methylcyclohexane	9.36	83	97737	10.475	ug/l	94
40) Benzene	8.35	78	1105389	50.087	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	417372	139.468	ug/l	98
52) Toluene	10.40	92	1043094	73.779	ug/l	99
67) Ethyl Benzene	11.74	91	366532	13.193	ug/l	97
68) m/p-Xylenes	11.85	106	651707	62.065	ug/l	99
69) o-Xylene	12.18	106	388224	41.839	ug/l	97
73) Isopropylbenzene	12.48	105	28162	1.249	ug/l	91
78) n-propylbenzene	12.82	91	42567	1.548	ug/l	95
80) 1,3,5-Trimethylbenzene	12.96	105	85425	4.480	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	283091	14.854	ug/l	76
95) Naphthalene	15.41	128	903278	100.026	ug/l	99

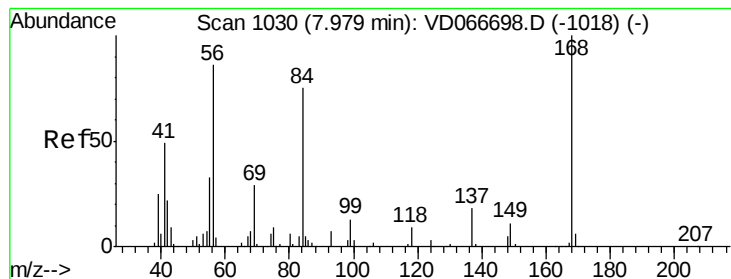
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\
Data File : VD066742.D
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Quant Time: Sep 18 03:03:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

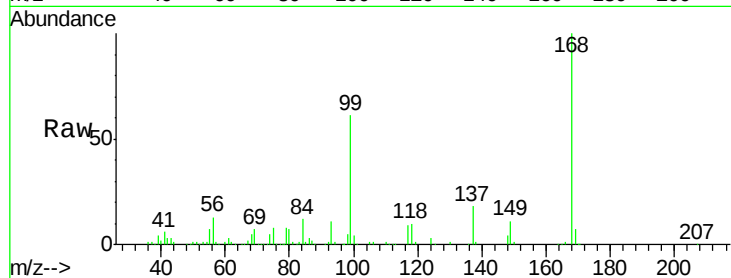
54-57

Tot Ion:168 Resp: 448970

Ion Ratio Lower Upper

168 100

99 61.0 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

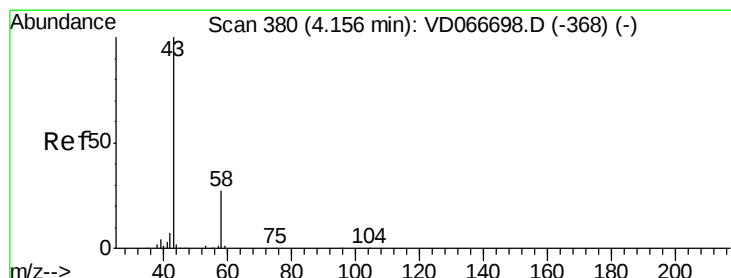
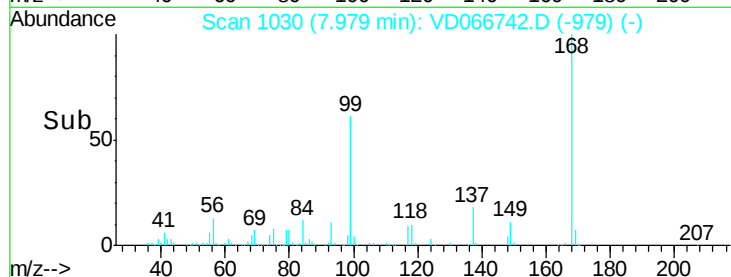
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 166.045 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066742.D

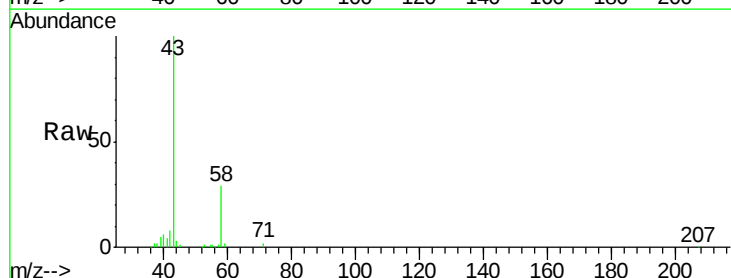
Acq: 17 Sep 2020 14:10

Tgt Ion: 43 Resp: 161973

Ion Ratio Lower Upper

43 100

58 28.4 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

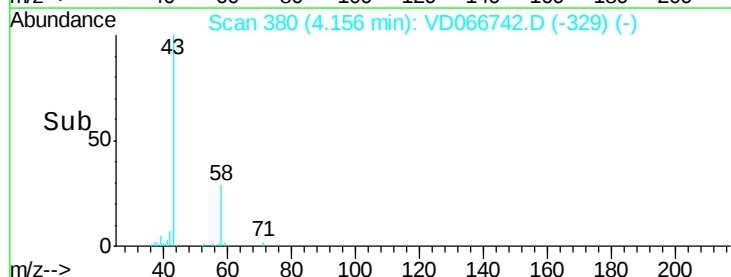
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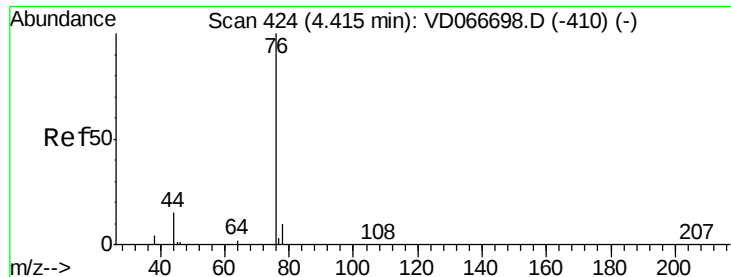
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Time-->

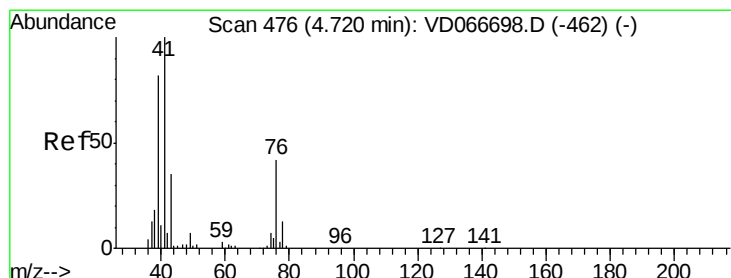
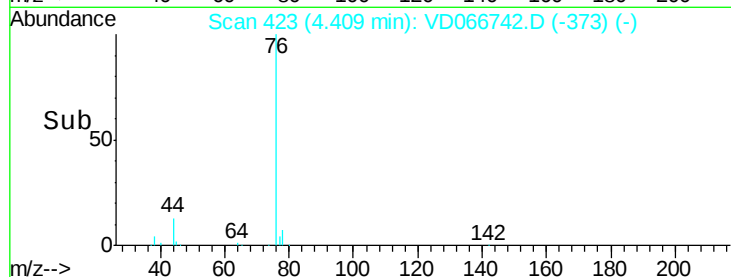
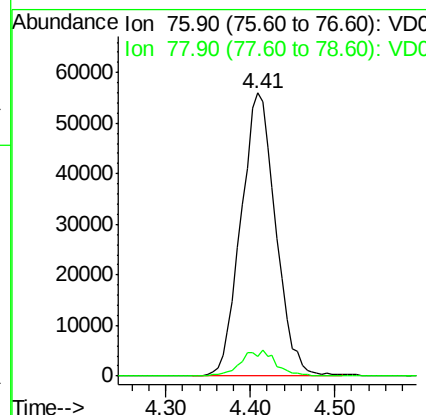
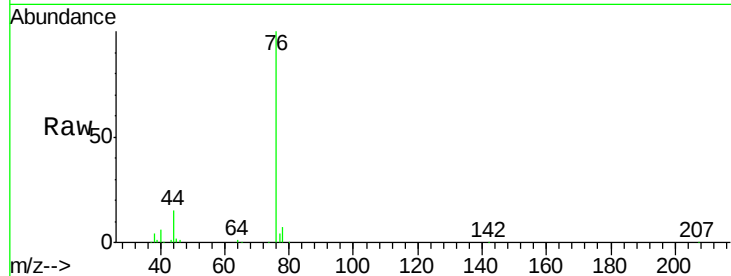




#17
Carbon Disulfide
Concen: 11.300 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

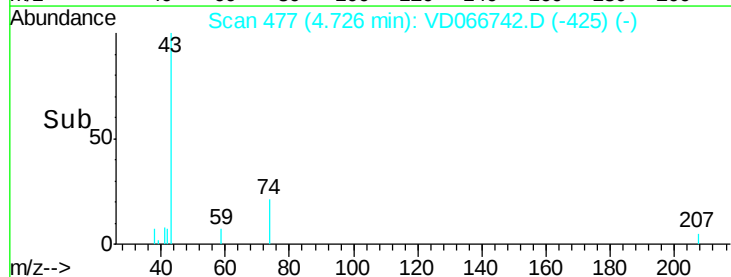
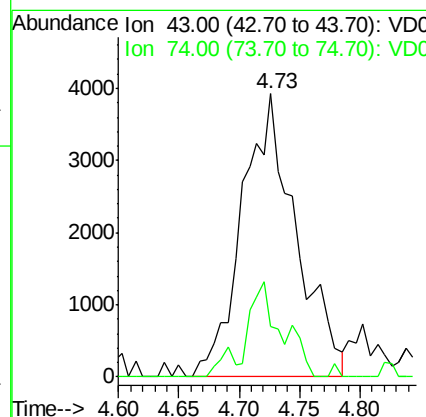
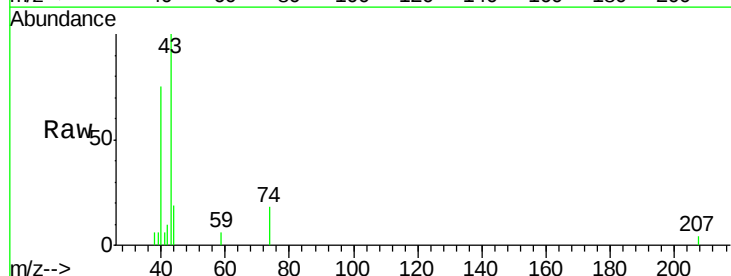
Instrument :
MSVOA_D
ClientSampleId :
54-57

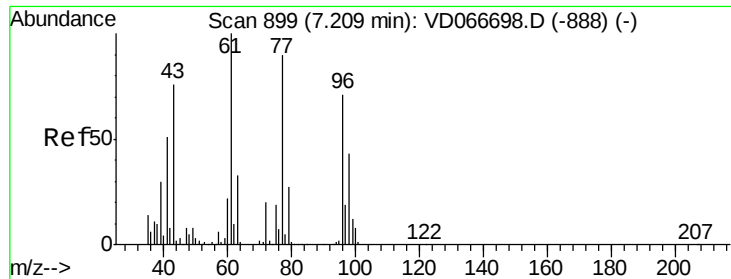
Tot Ion: 76 Resp: 159512
Ion Ratio Lower Upper
76 100
78 7.0 8.0 12.0#



#18
Methyl Acetate
Concen: 2.425 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion: 43 Resp: 12193
Ion Ratio Lower Upper
43 100
74 22.7 18.6 28.0

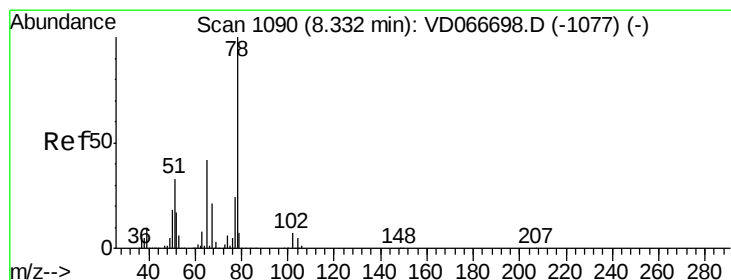
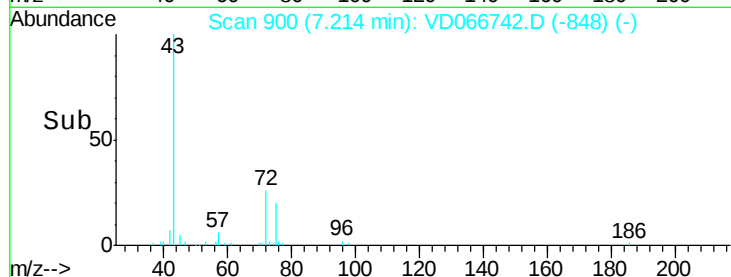
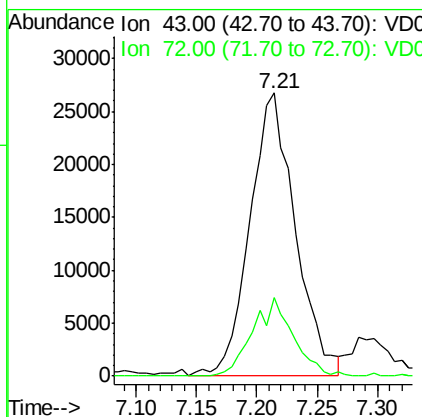
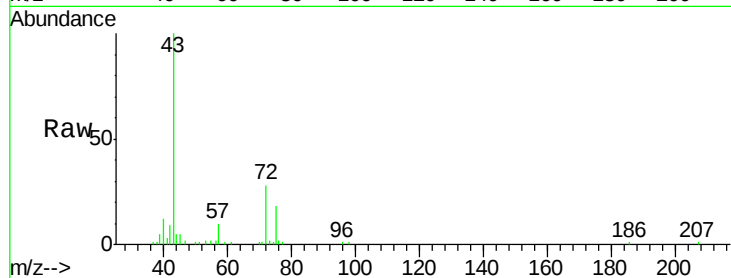




#25
2-Butanone
Concen: 55.184 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

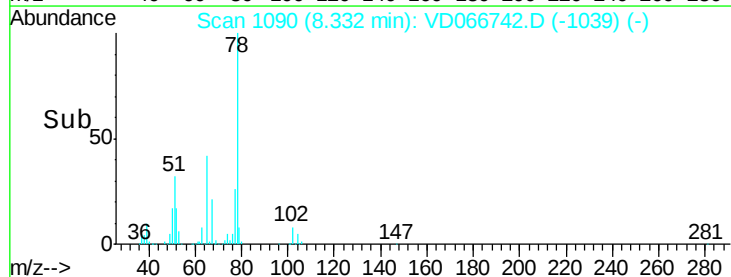
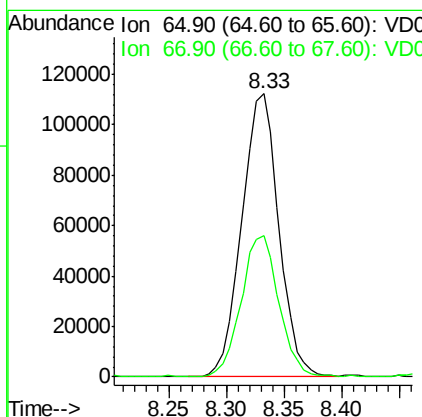
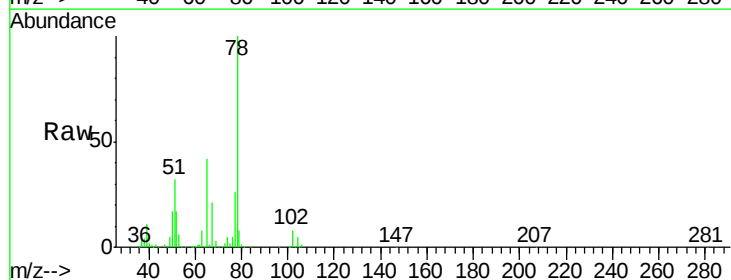
Instrument :
MSVOA_D
ClientSampleId :
54-57

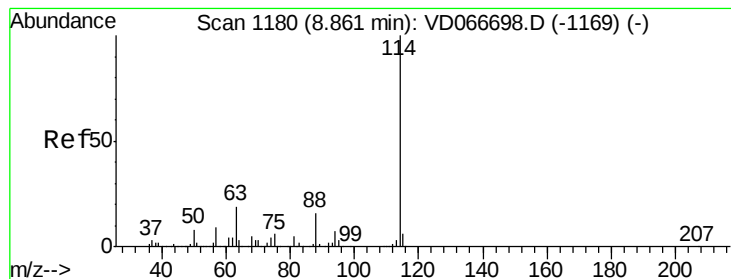
Tot Ion: 43 Resp: 70095
Ion Ratio Lower Upper
43 100
72 27.7 21.0 31.4



#33
1,2-Dichloroethane-d4
Concen: 52.430 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion: 65 Resp: 251150
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

54-57

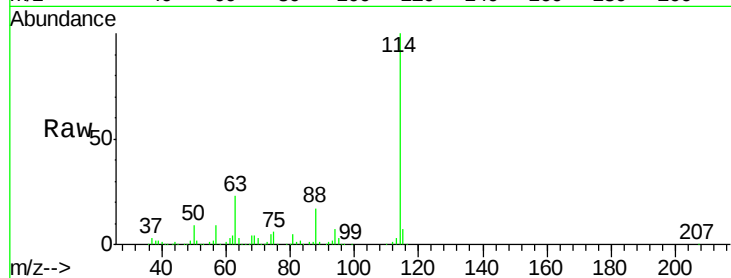
Tot Ion:114 Resp: 793427

Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.6

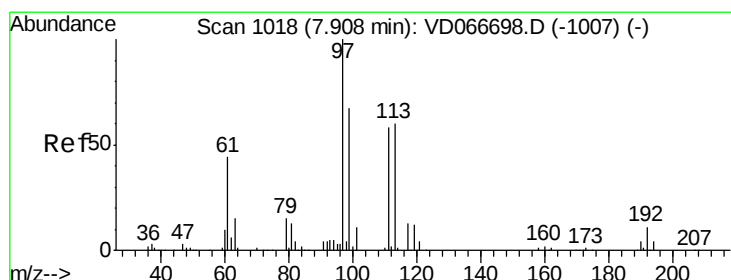
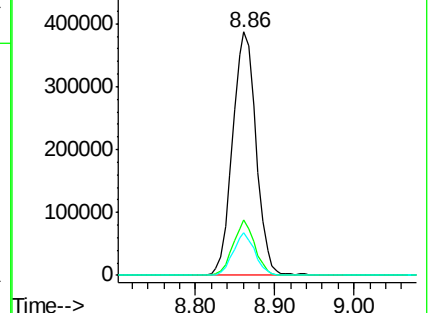
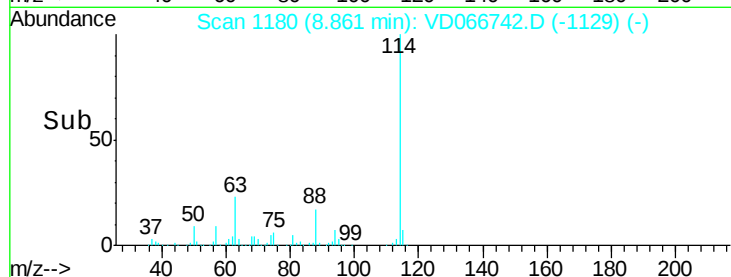
88 17.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.842 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

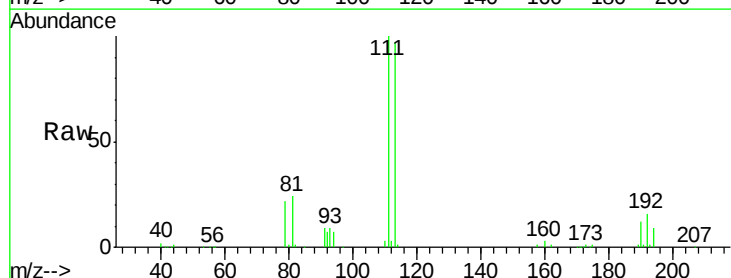
Tgt Ion:113 Resp: 252183

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

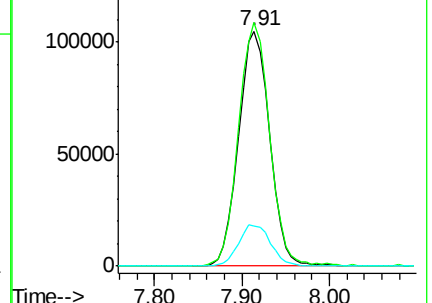
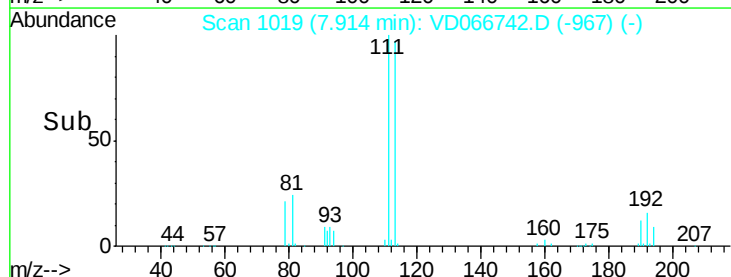
192 17.9 14.8 22.2

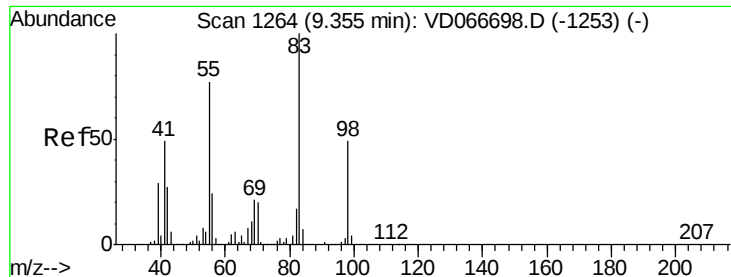


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

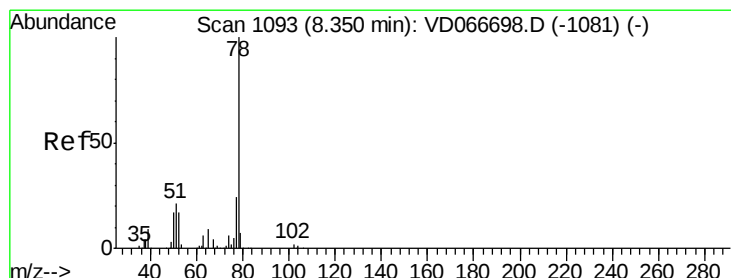
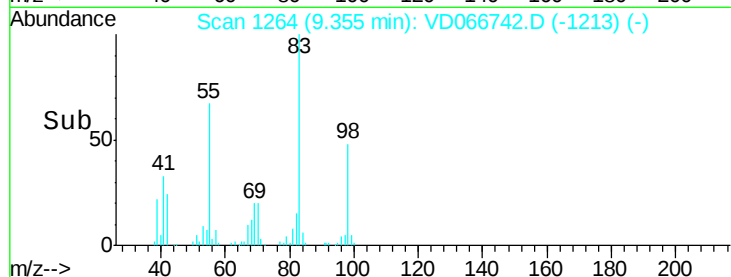
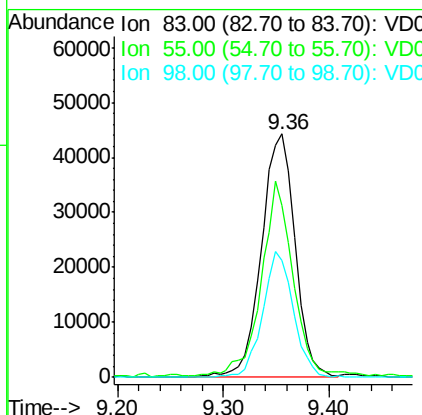
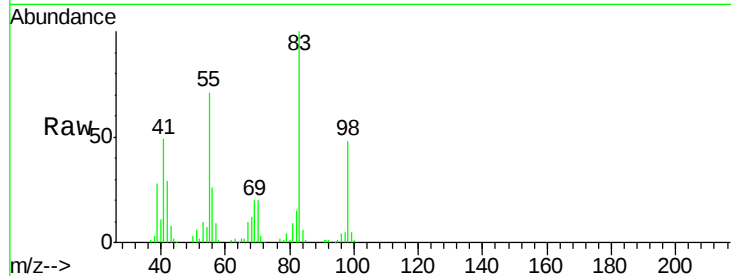




#39
Methvlcvclohexane
Concen: 10.475 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

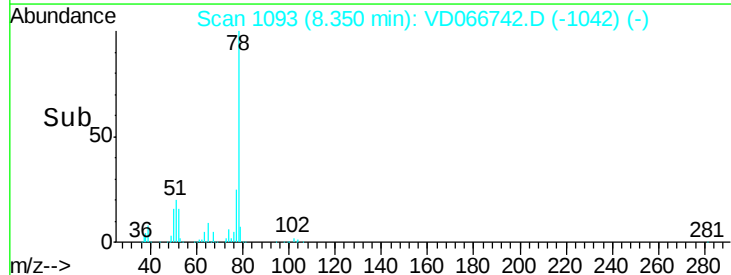
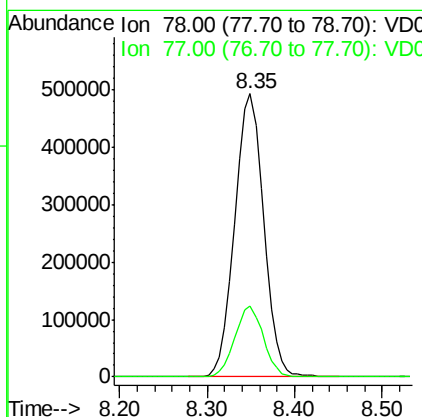
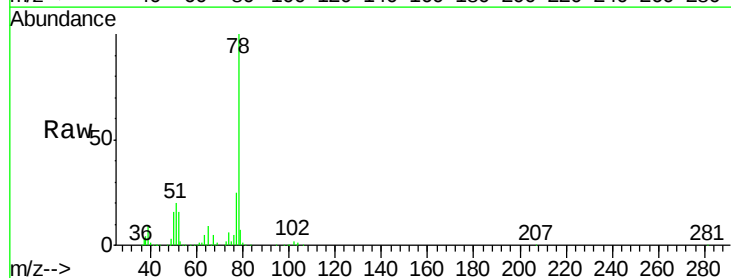
Instrument :
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ClientSampleId :
54-57

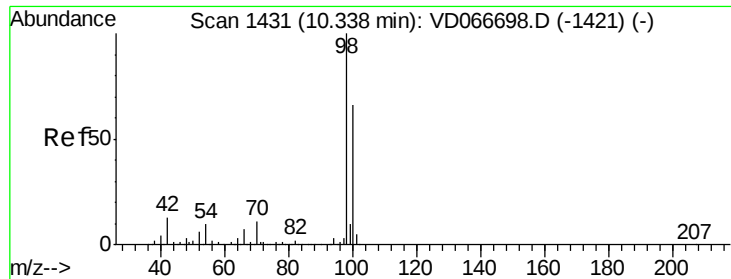
Tot Ion: 83 Resp: 97737
Ion Ratio Lower Upper
83 100
55 70.1 61.5 92.3
98 47.8 39.3 58.9



#40
Benzene
Concen: 50.087 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion: 78 Resp: 1105389
Ion Ratio Lower Upper
78 100
77 24.9 19.3 28.9

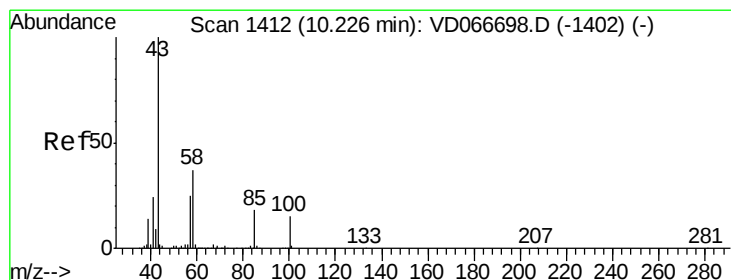
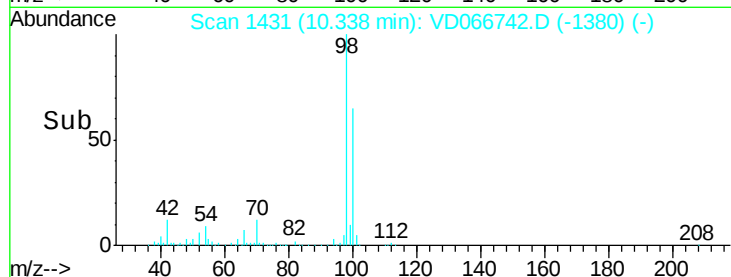
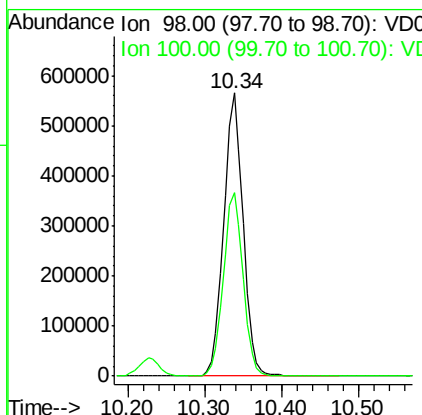
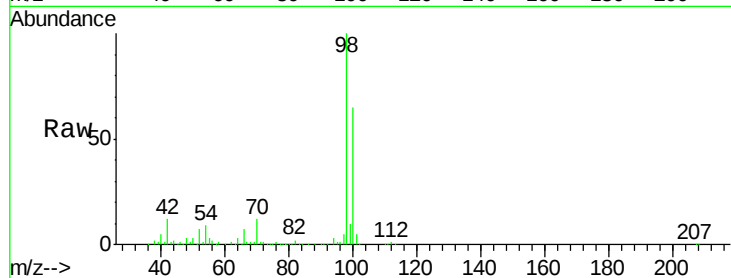




#50
Toluene-d8
Concen: 57.311 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

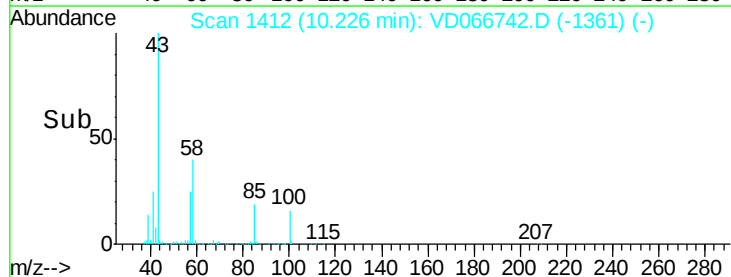
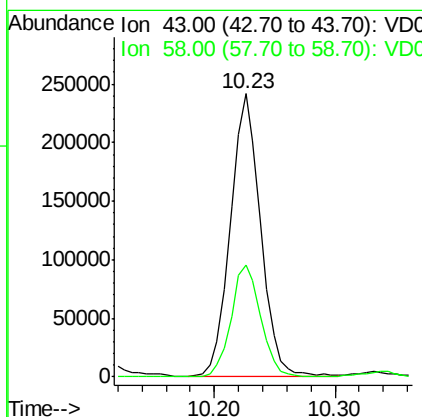
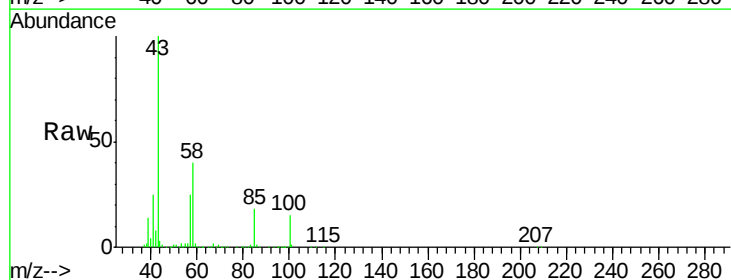
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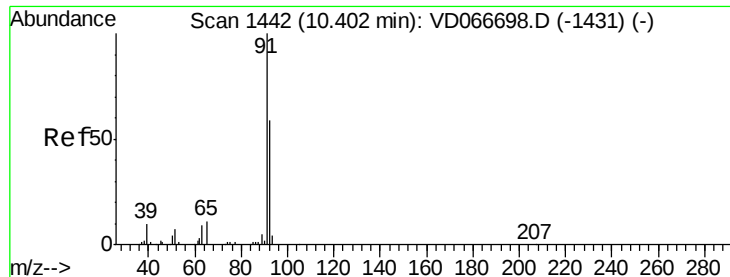
Tot Ion: 98 Resp: 993252
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 139.468 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion: 43 Resp: 417372
Ion Ratio Lower Upper
43 100
58 39.4 30.4 45.6





#52

Toluene

Concen: 73.779 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

Instrument :

MSVOA_D

ClientSampled :

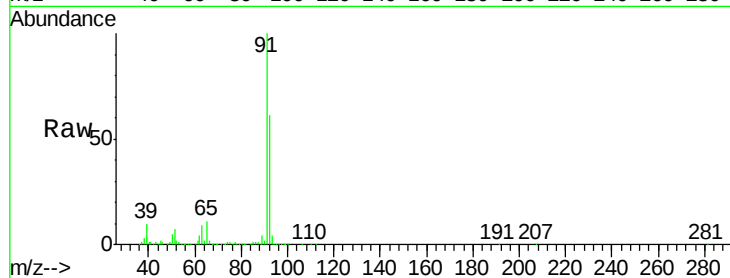
54-57

Tot Ion: 92 Resp: 1043094

Ion Ratio Lower Upper

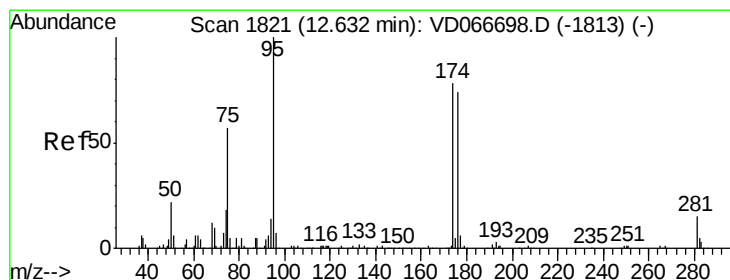
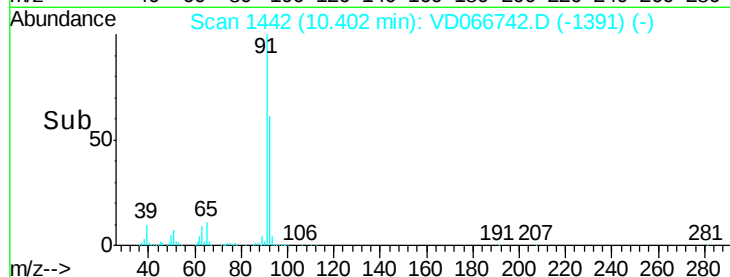
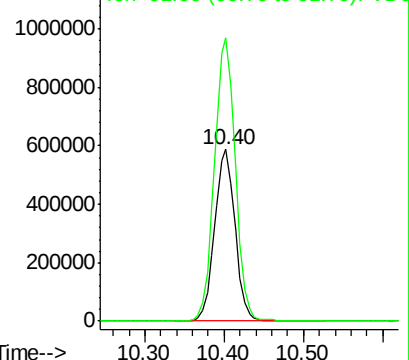
92 100

91 168.6 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 53.043 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

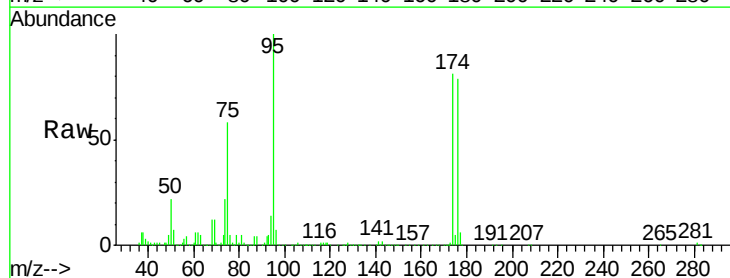
Tgt Ion: 95 Resp: 317325

Ion Ratio Lower Upper

95 100

174 78.7 0.0 156.6

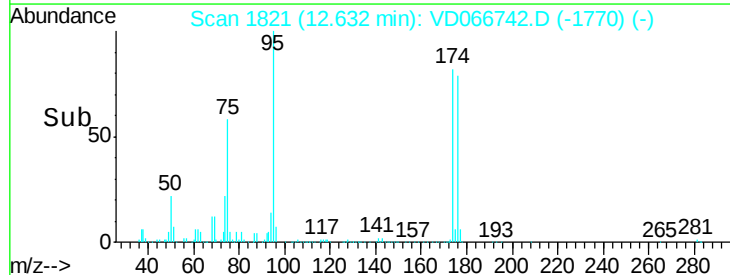
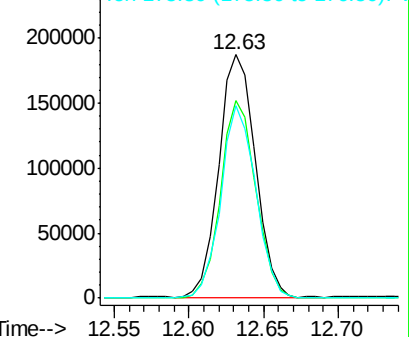
176 75.8 0.0 150.2

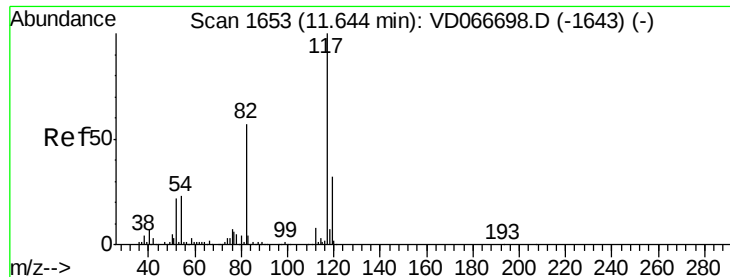


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

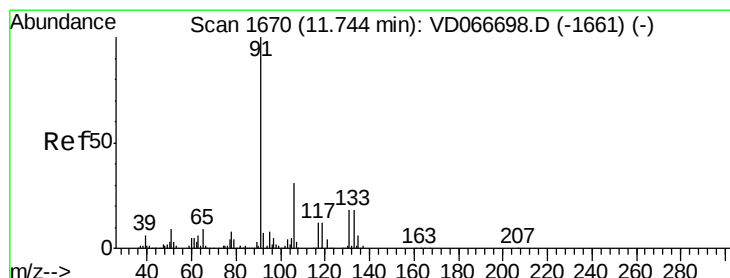
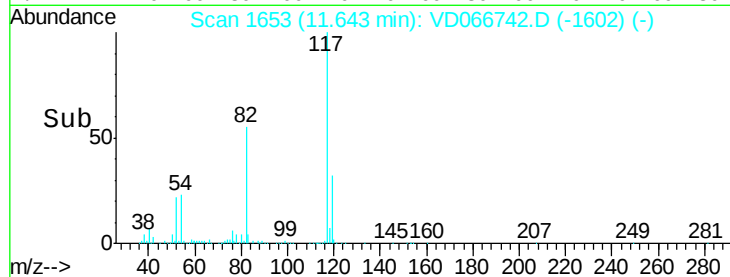
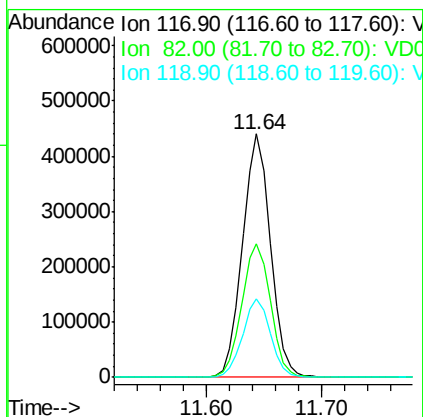
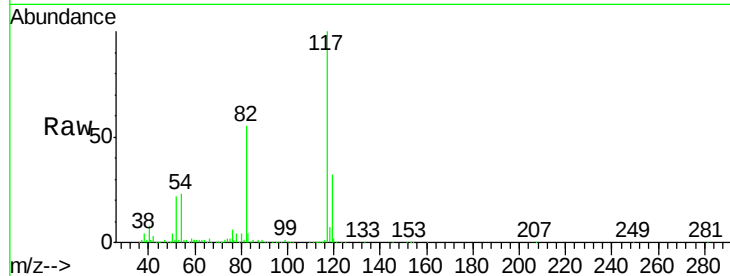




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

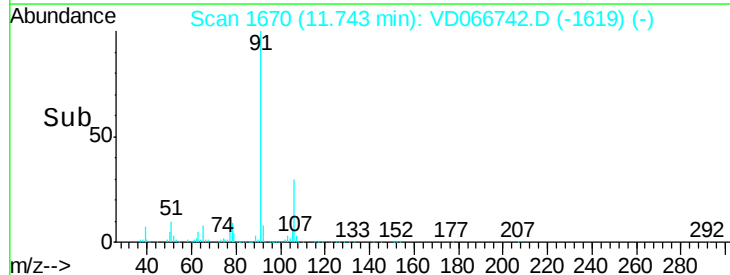
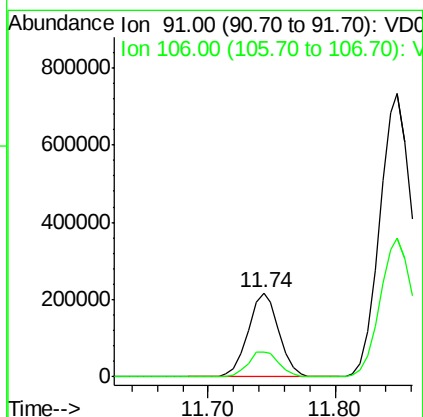
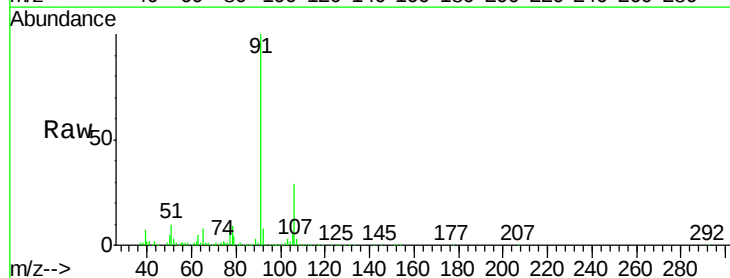
Instrument :
MSVOA_D
ClientSampleId :
54-57

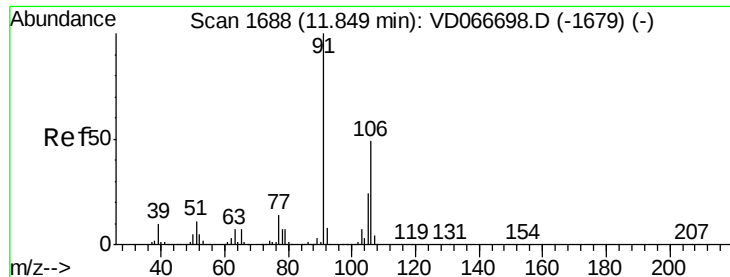
Tot Ion:117 Resp: 740824
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.0
119 32.1 25.8 38.6



#67
Ethyl Benzene
Concen: 13.193 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion: 91 Resp: 366532
Ion Ratio Lower Upper
91 100
106 29.5 25.1 37.7

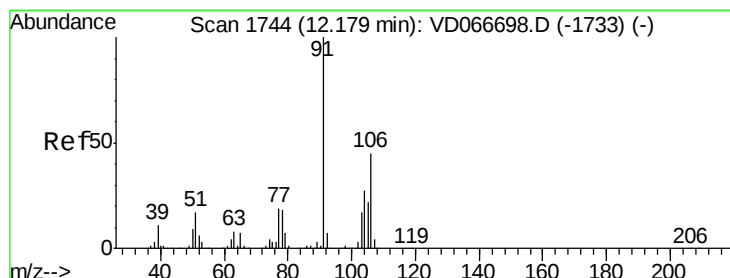
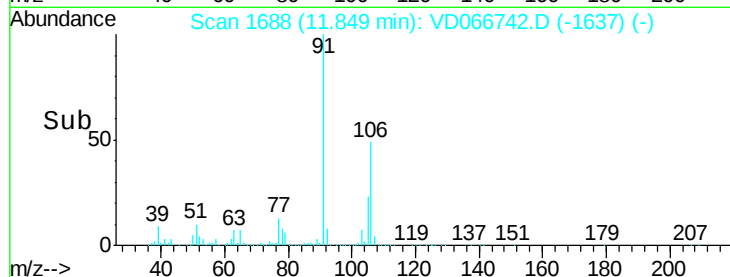
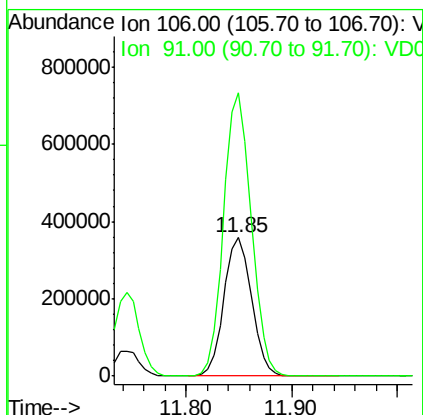
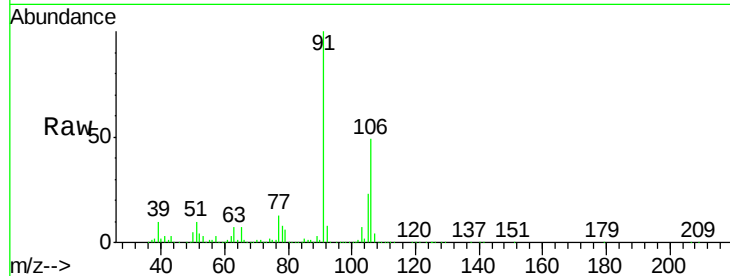




#68
m/p-Xylenes
Concen: 62.065 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

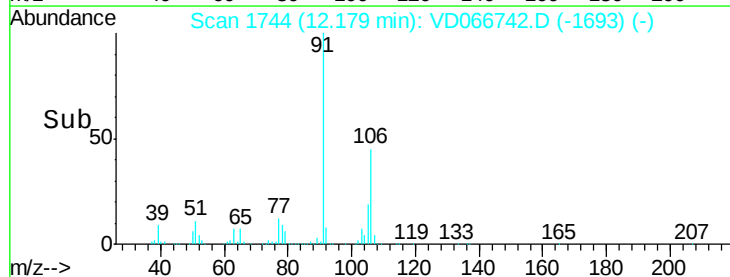
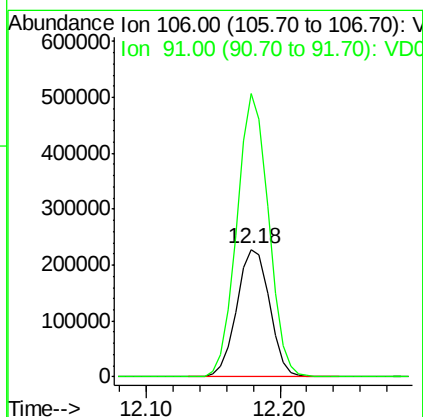
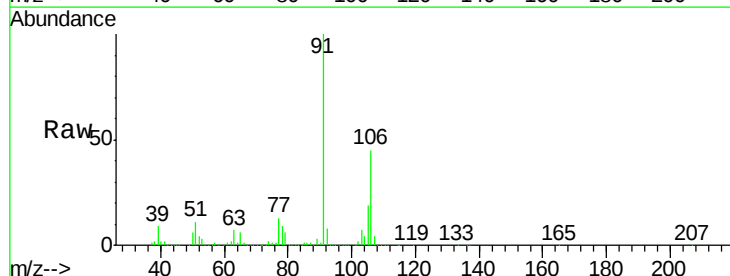
Instrument :
MSVOA_D
ClientSampleId :
54-57

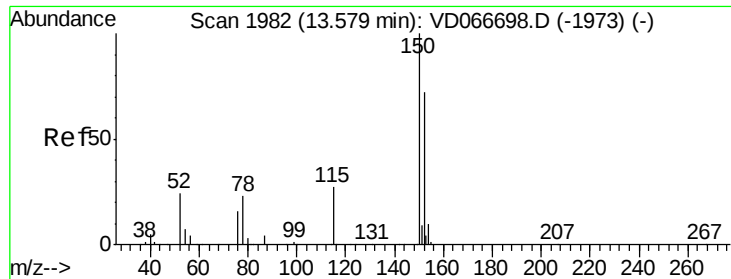
Tot Ion:106 Resp: 651707
Ion Ratio Lower Upper
106 100
91 203.7 164.8 247.2



#69
o-Xylene
Concen: 41.839 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion:106 Resp: 388224
Ion Ratio Lower Upper
106 100
91 214.0 109.4 328.2



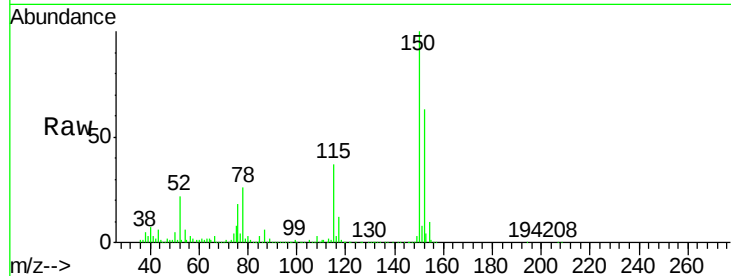


#72

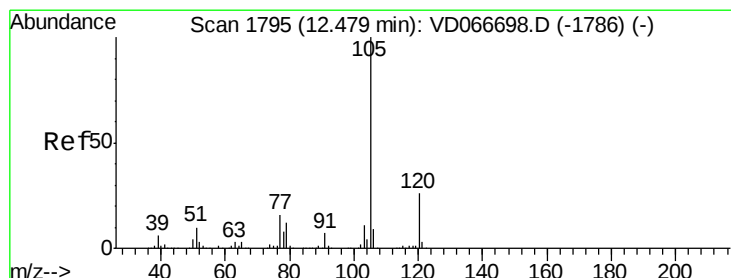
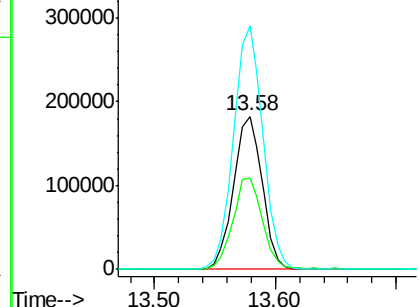
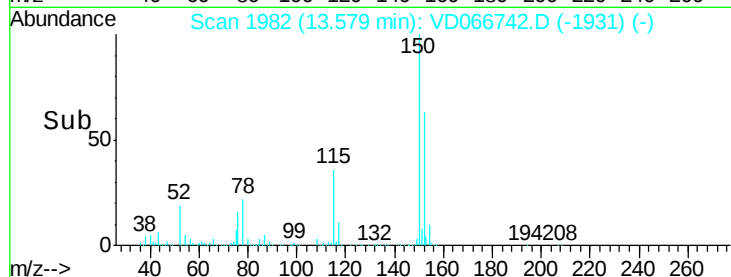
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Instrument :
MSVOA_D
ClientSampled :
54-57

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.5	91.5
150	162.7	0.0	344.6



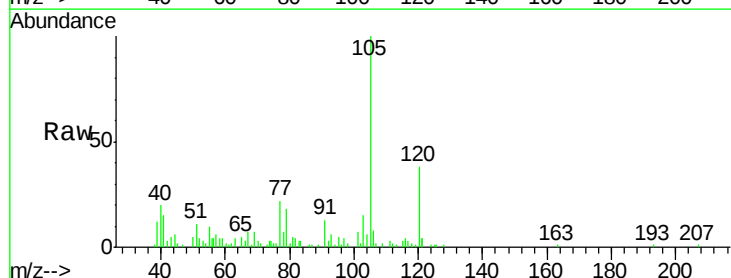
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



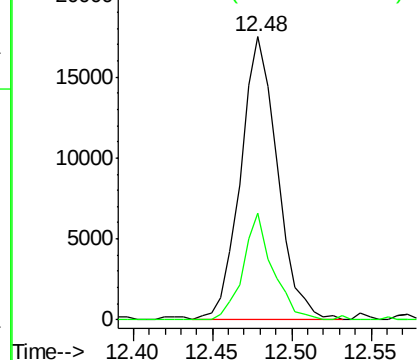
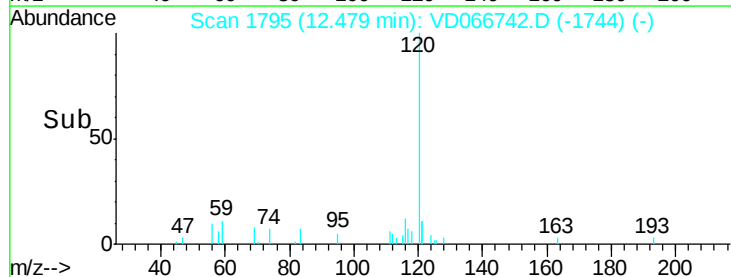
#73

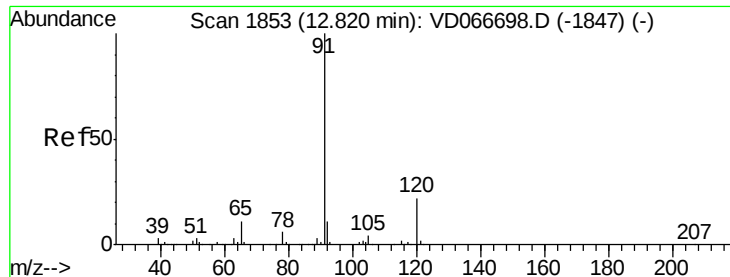
Isopropylbenzene
Concen: 1.249 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066742.D
Acq: 17 Sep 2020 14:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.5	13.1	39.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.548 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

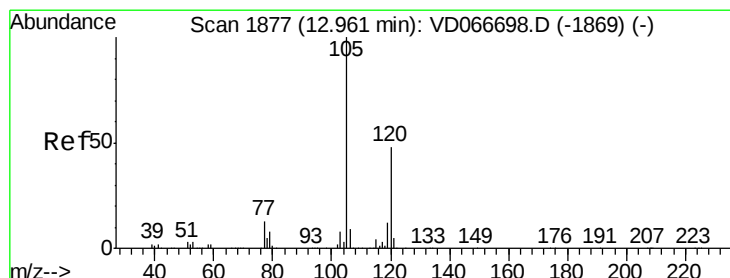
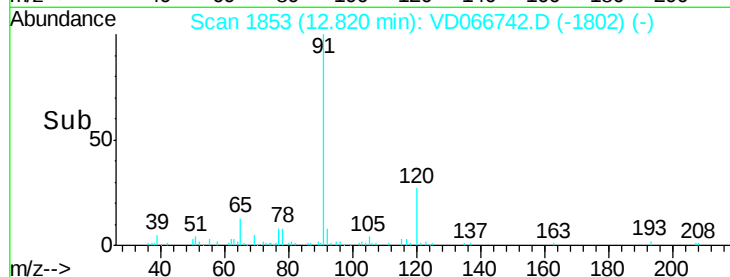
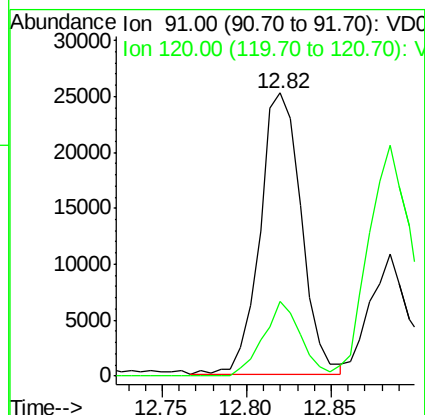
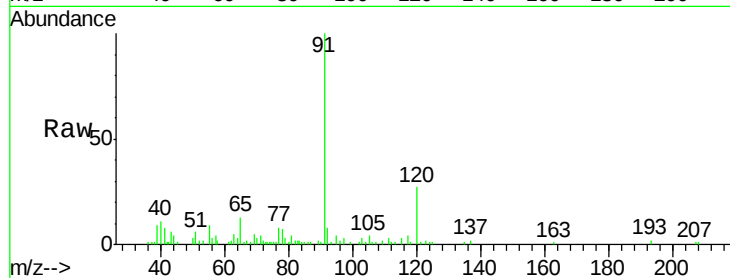
54-57

Tot Ion: 91 Resp: 42567

Ion Ratio Lower Upper

91 100

120 24.2 10.9 32.9



#80

1,3,5-Trimethylbenzene

Concen: 4.480 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066742.D

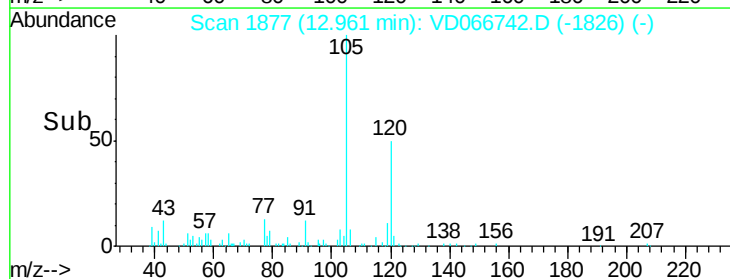
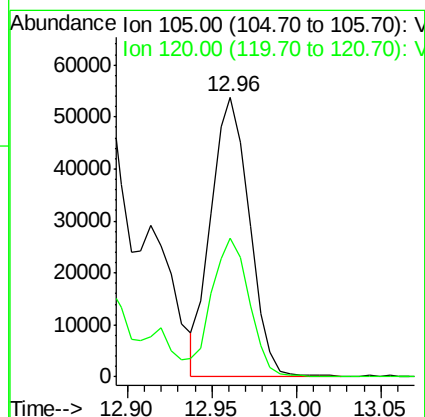
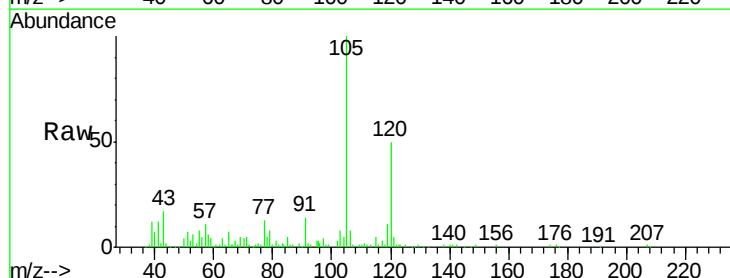
Acq: 17 Sep 2020 14:10

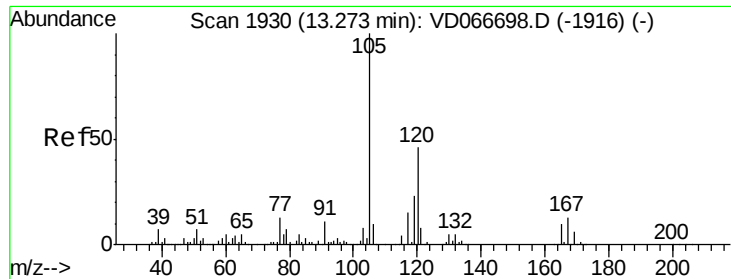
Tgt Ion: 105 Resp: 85425

Ion Ratio Lower Upper

105 100

120 49.7 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 14.854 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

Instrument :

MSVOA_D

ClientSampleId :

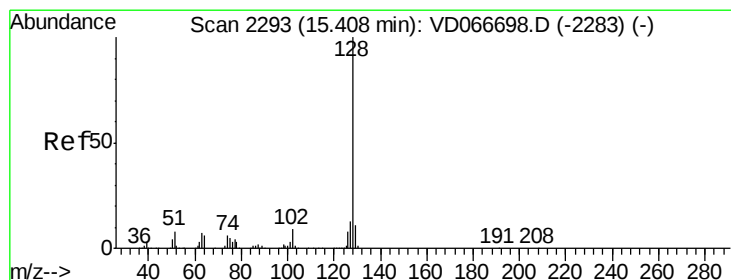
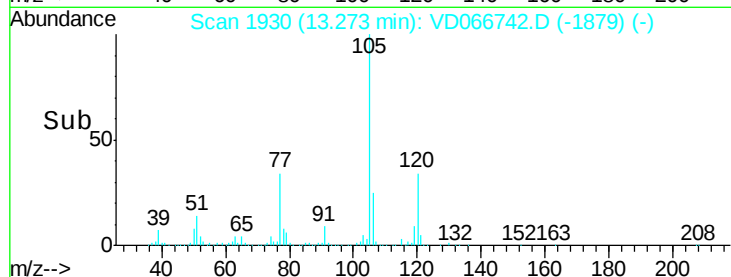
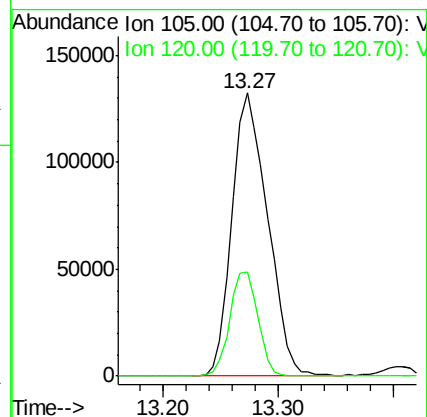
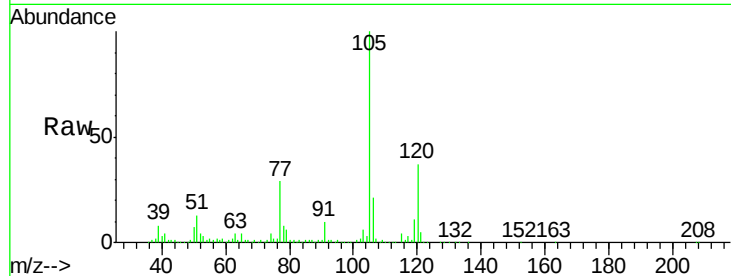
54-57

Tot Ion:105 Resp: 283091

Ion Ratio Lower Upper

105 100

120 29.2 22.4 67.2



#95

Naphthalene

Concen: 100.026 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066742.D

Acq: 17 Sep 2020 14:10

Tgt Ion:128 Resp: 903278

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.2 8.6 12.8

