

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066741.D
 Acq On : 17 Sep 2020 13:42
 Operator : VA/SY
 Sample : L4033-19
 Misc : 7.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 51-53

Quant Time: Sep 18 01:39:52 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	425518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	739654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	665145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	235902	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.91	113	233590	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.34	98	905878	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
62) 4-Bromofluorobenzene	12.63	95	269960	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds

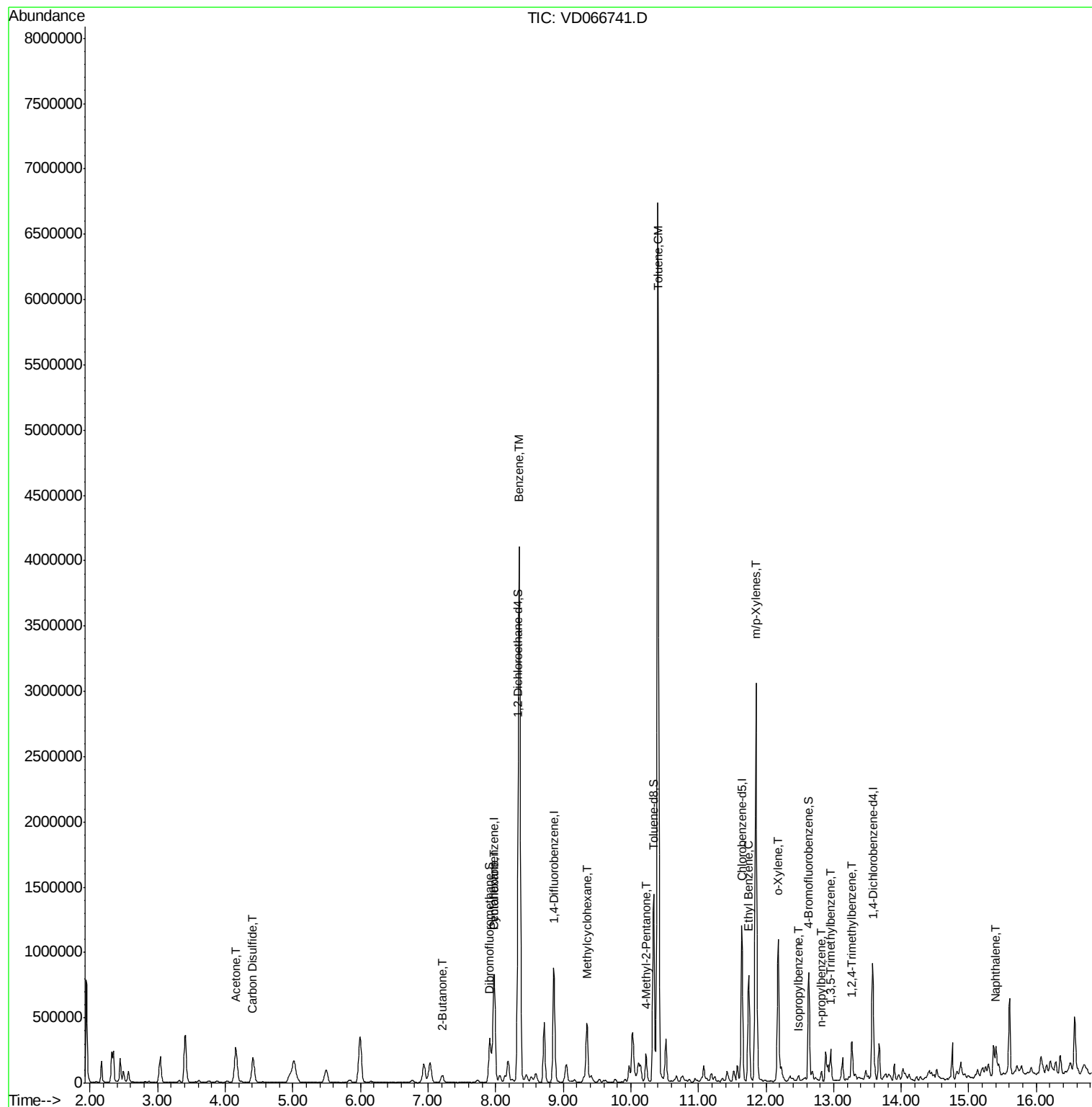
						Qvalue
16) Acetone	4.16	43	474399	513.127	ug/l	93
17) Carbon Disulfide	4.41	76	376413	28.134	ug/l	96
25) 2-Butanone	7.21	43	78009	64.799	ug/l	91
31) Cyclohexane	7.98	56	141141	17.600	ug/l #	96
39) Methylcyclohexane	9.35	83	173139	19.905	ug/l	98
40) Benzene	8.35	78	4149699	201.698	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	137202	49.180	ug/l	97
52) Toluene	10.40	92	2956979	224.356	ug/l	98
67) Ethyl Benzene	11.74	91	551104	22.093	ug/l	100
68) m/p-Xylenes	11.85	106	911623	96.697	ug/l	98
69) o-Xylene	12.18	106	278948	33.482	ug/l	99
73) Isopropylbenzene	12.48	105	26116	1.577	ug/l	97
78) n-propylbenzene	12.82	91	54860	2.718	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	75774	5.413	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	176185	12.593	ug/l	94
95) Naphthalene	15.40	128	186398	28.118	ug/l #	92

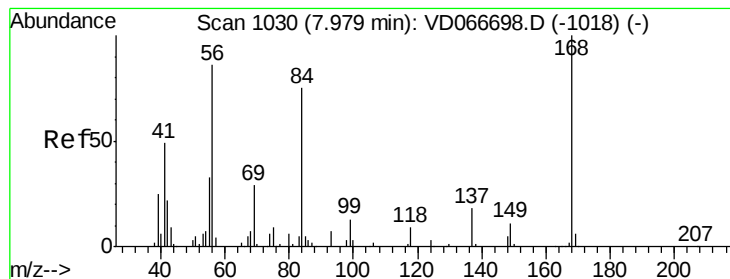
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\
Data File : VD066741.D
Acq On : 17 Sep 2020 13:42
Operator : VA/SY
Sample : L4033-19
Misc : 7.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
51-53

Quant Time: Sep 18 01:39:52 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: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampled :

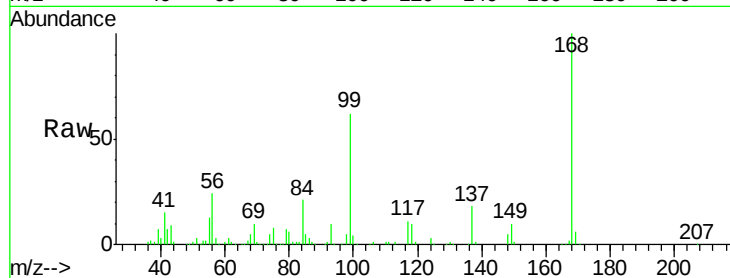
51-53

Tot Ion:168 Resp: 425518

Ion Ratio Lower Upper

168 100

99 62.1 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

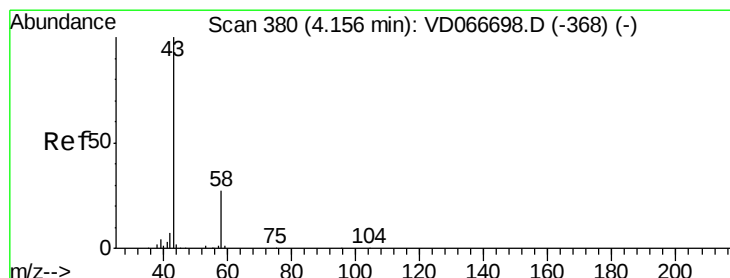
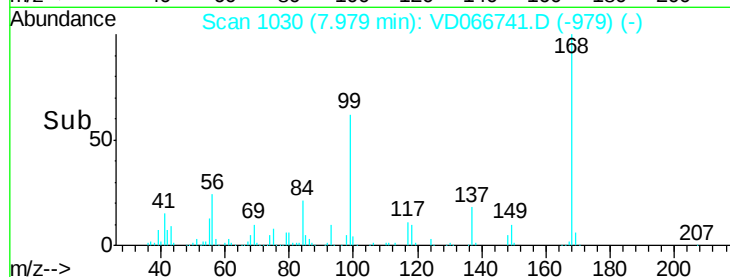
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 513.127 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066741.D

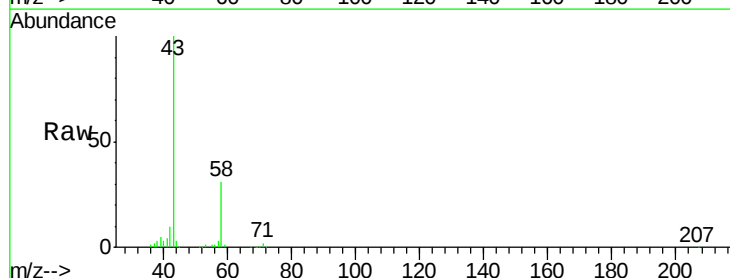
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 474399

Ion Ratio Lower Upper

43 100

58 31.2 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

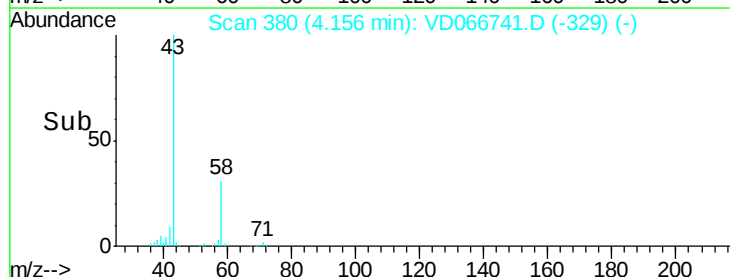
150000

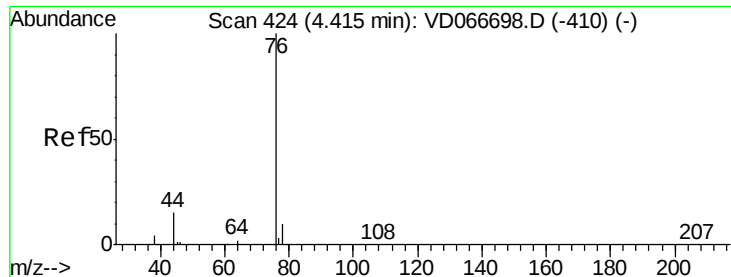
100000

50000

0

Time-->

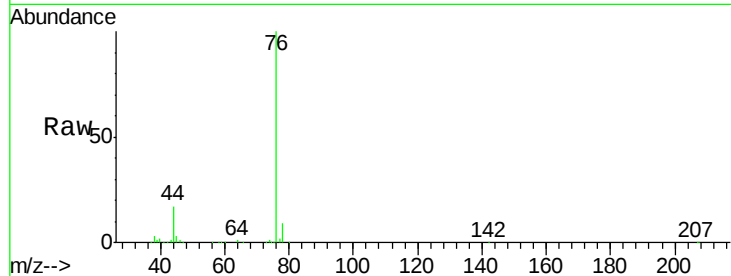




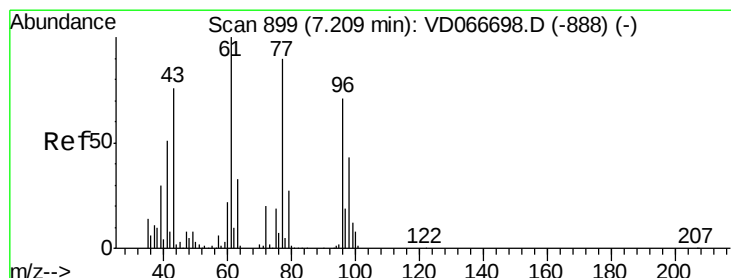
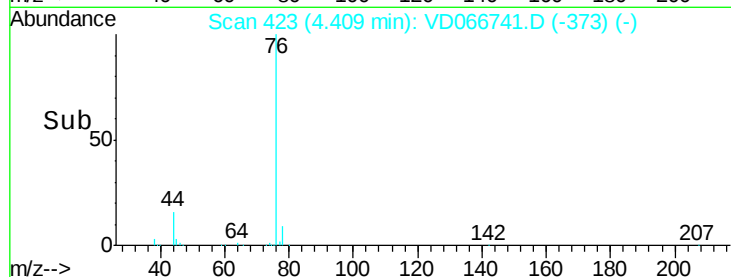
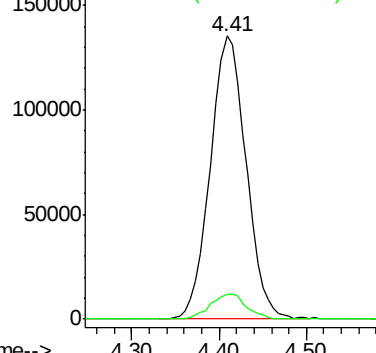
#17
Carbon Disulfide
Concen: 28.134 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
51-53

Tot Ion: 76 Resp: 376413
Ion Ratio Lower Upper
76 100
78 8.6 8.0 12.0

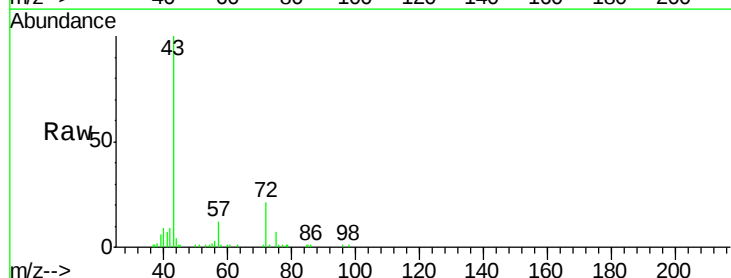


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

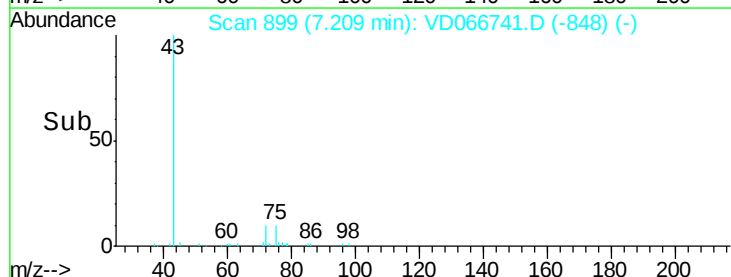
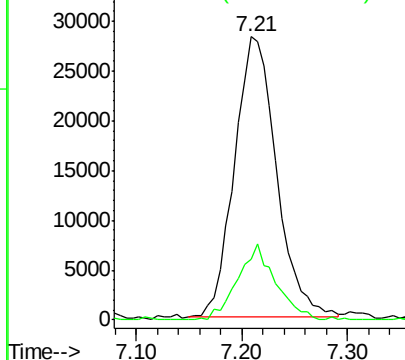


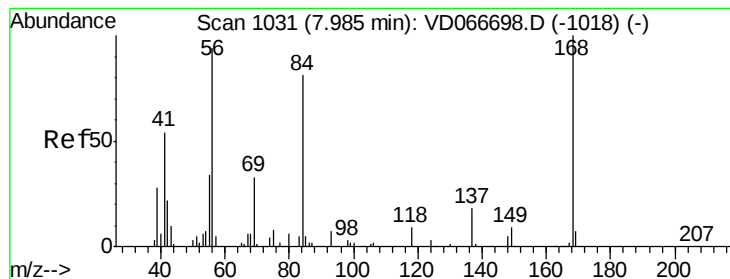
#25
2-Butanone
Concen: 64.799 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 78009
Ion Ratio Lower Upper
43 100
72 21.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 17.600 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampled :

51-53

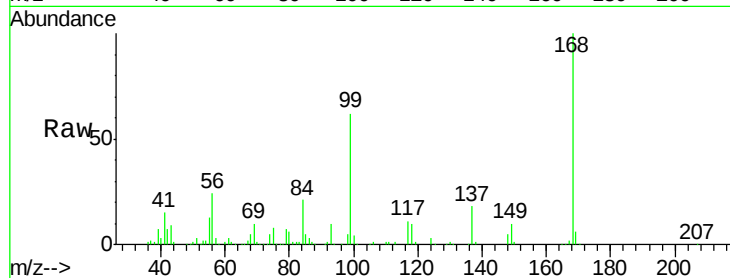
Tot Ion: 56 Resp: 141141

Ion Ratio Lower Upper

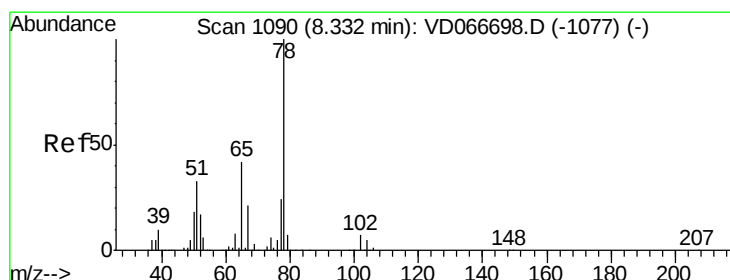
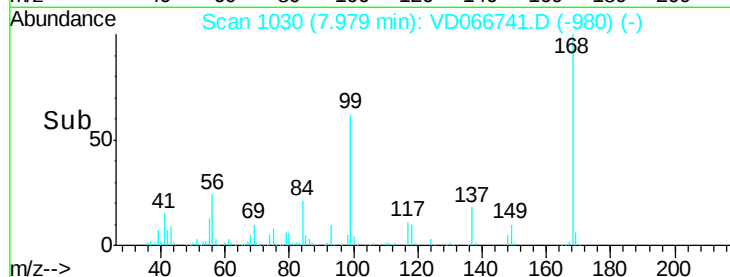
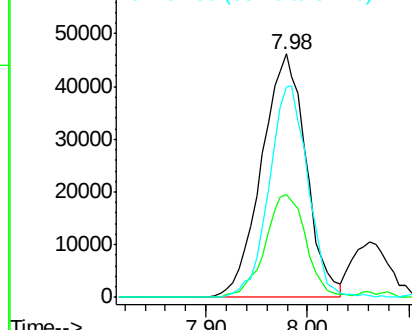
56 100

69 42.3 27.7 41.5#

84 86.4 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 51.961 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066741.D

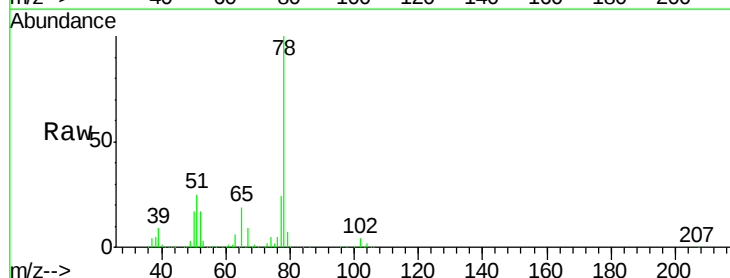
Acq: 17 Sep 2020 13:42

Tgt Ion: 65 Resp: 235902

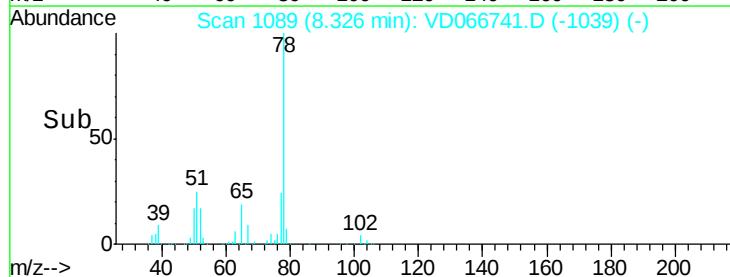
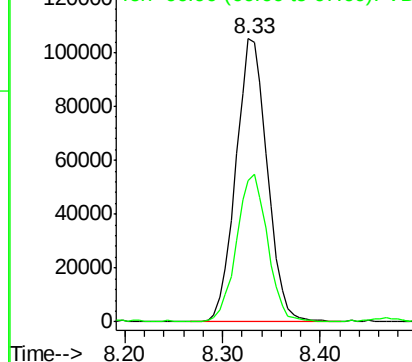
Ion Ratio Lower Upper

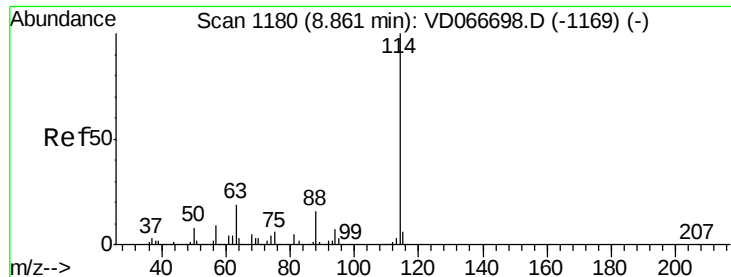
65 100

67 50.7 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

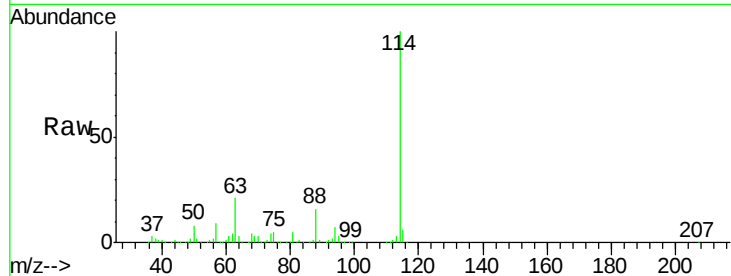




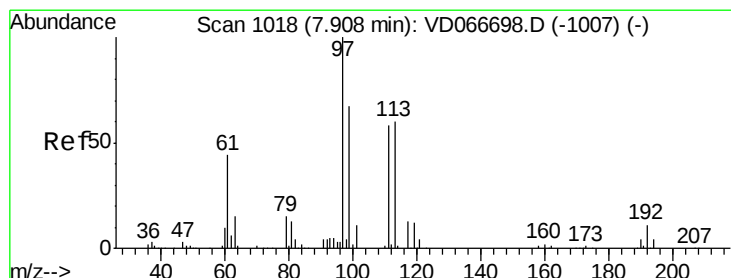
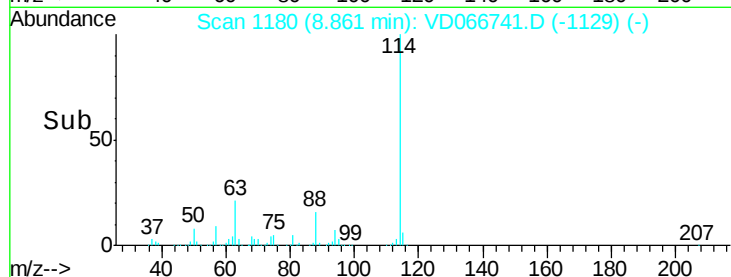
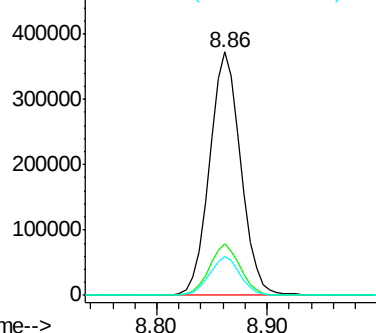
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066741.D
 Acq: 17 Sep 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 51-53

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	37.6
88	16.0	0.0	32.2

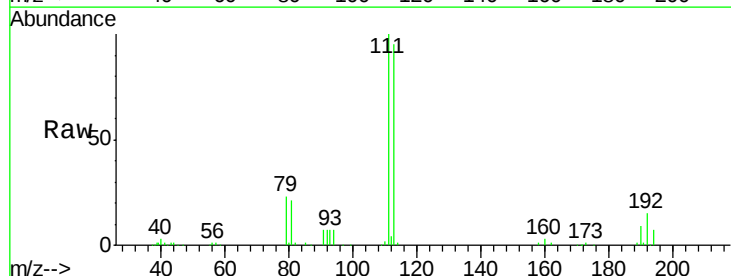


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

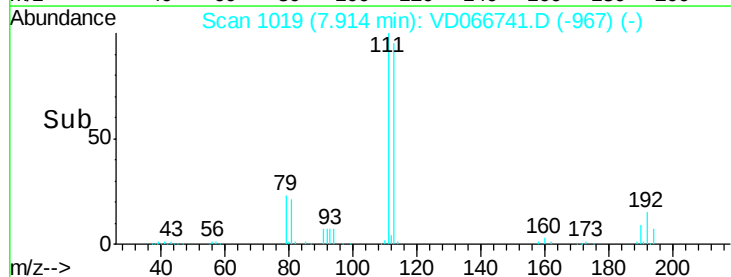
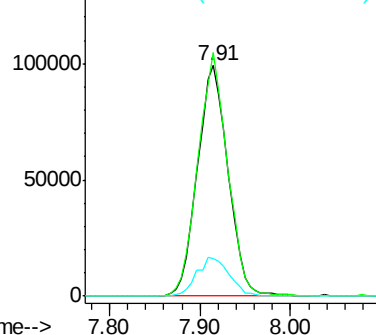


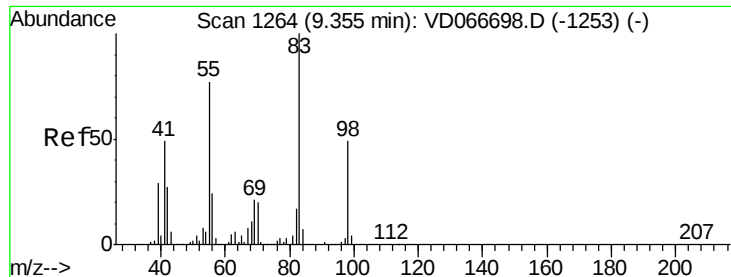
#35
 Dibromofluoromethane
 Concen: 51.511 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066741.D
 Acq: 17 Sep 2020 13:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.2	124.8
192	17.7	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

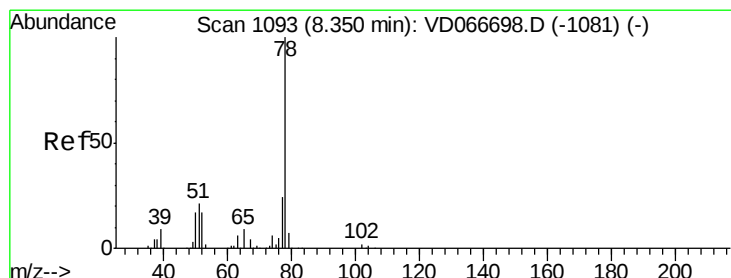
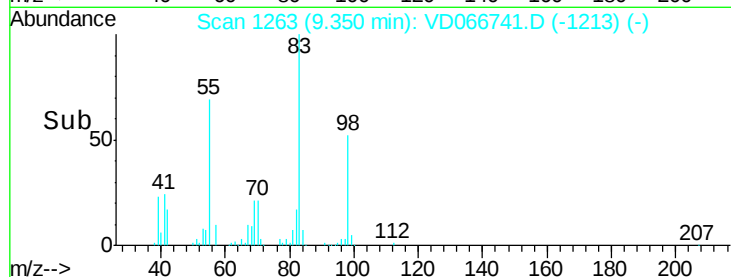
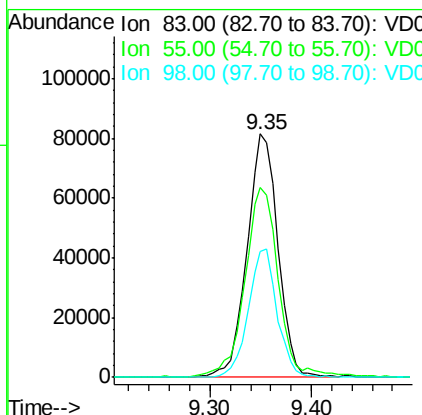
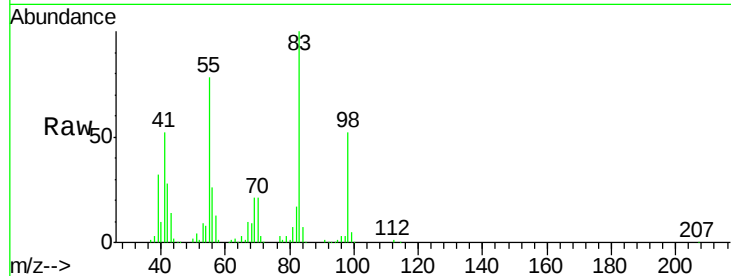




#39
Methvlcvclohexane
Concen: 19.905 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

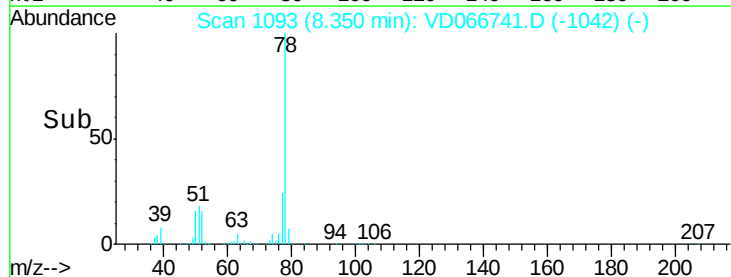
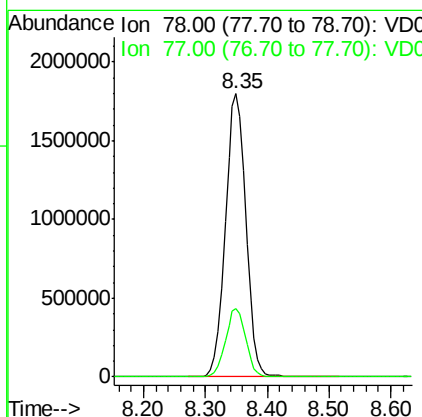
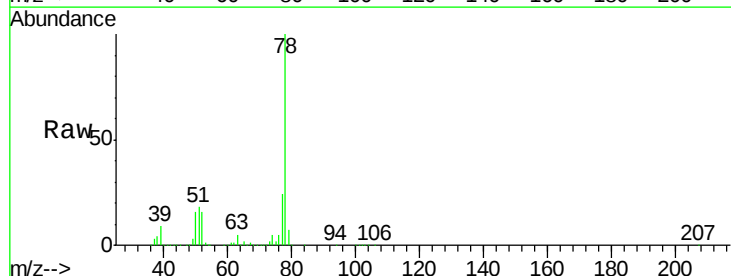
Instrument :
MSVOA_D
ClientSampleId :
51-53

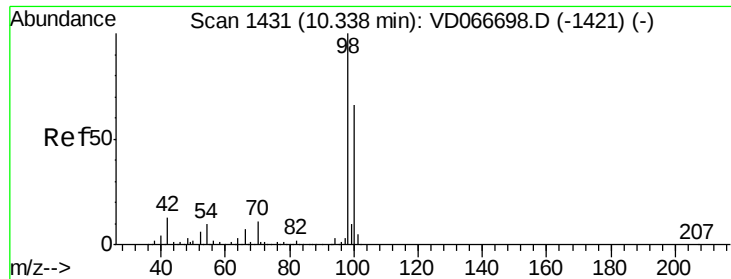
Tot Ion: 83 Resp: 173139
Ion Ratio Lower Upper
83 100
55 77.6 61.5 92.3
98 51.5 39.3 58.9



#40
Benzene
Concen: 201.698 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Tgt Ion: 78 Resp: 4149699
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

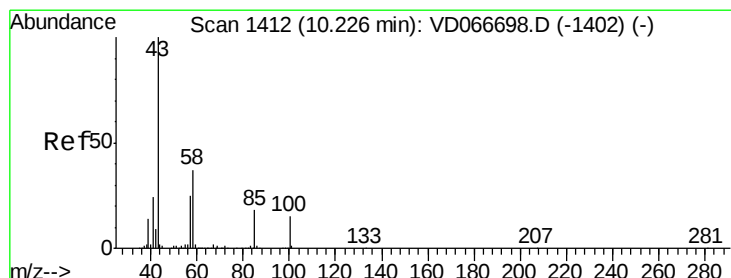
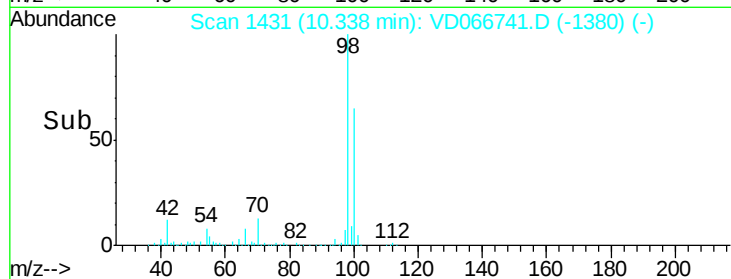
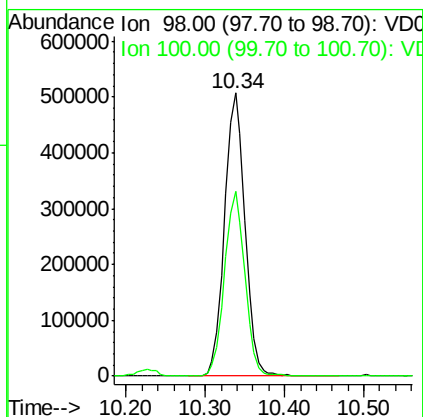
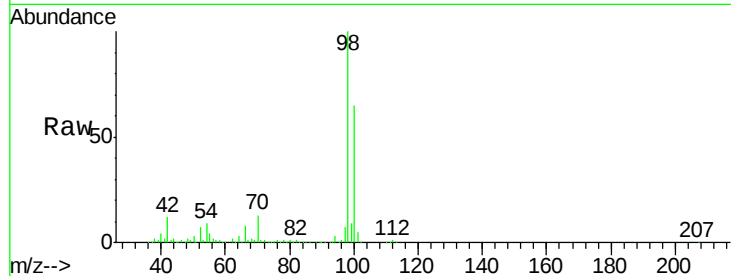




#50
Toluene-d8
Concen: 56.070 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

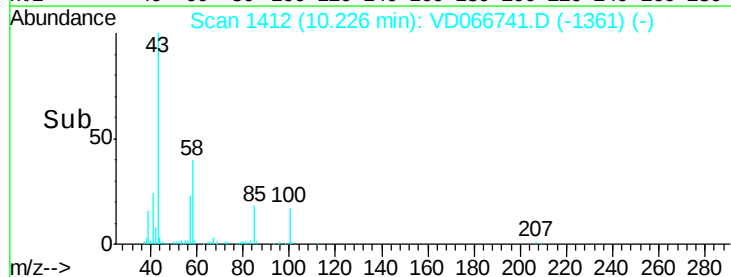
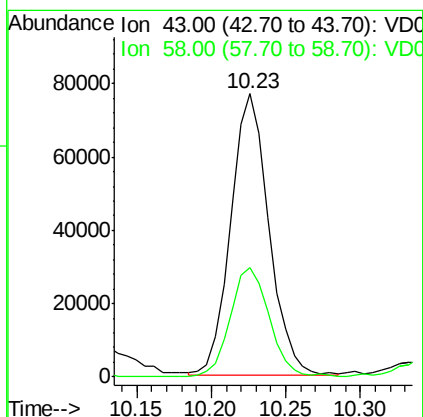
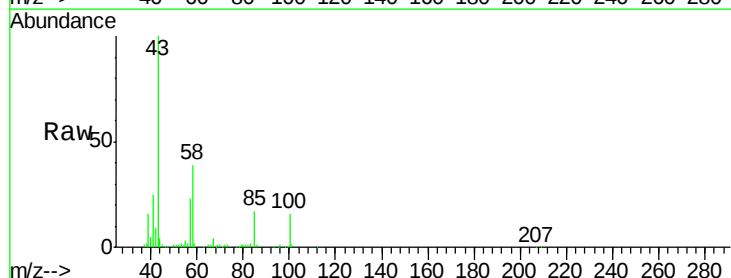
Instrument :
MSVOA_D
ClientSampleId :
51-53

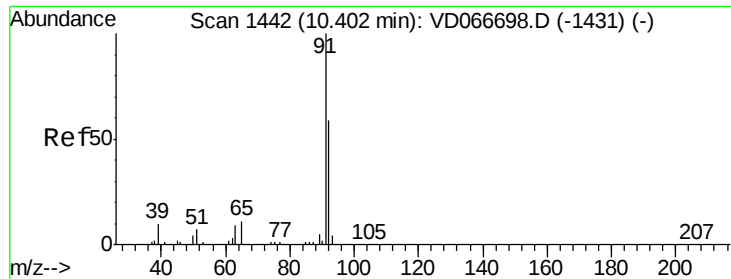
Tot Ion: 98 Resp: 905878
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 49.180 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Tgt Ion: 43 Resp: 137202
Ion Ratio Lower Upper
43 100
58 39.8 30.4 45.6





#52

Toluene

Concen: 224.356 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

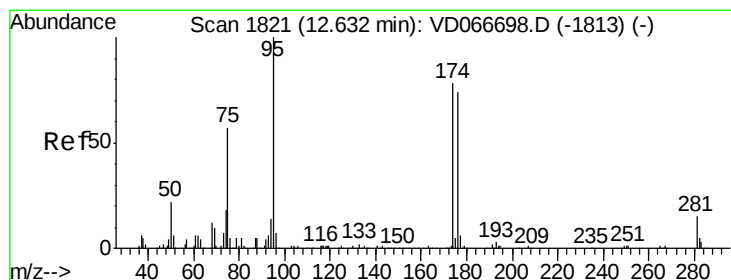
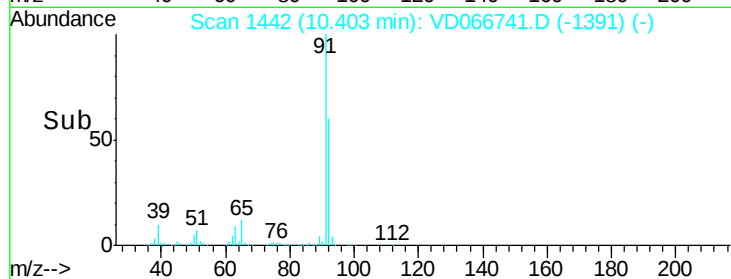
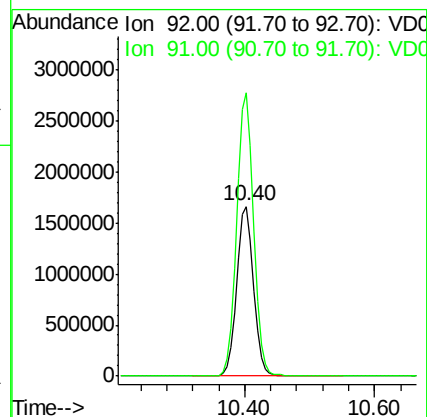
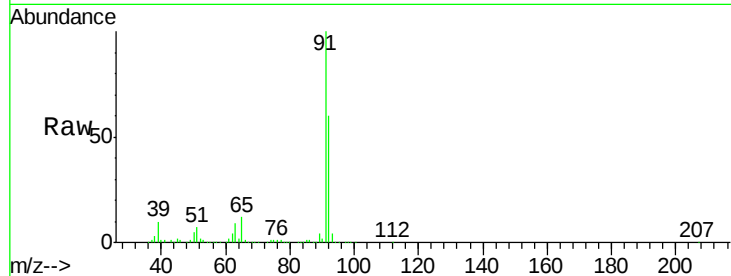
51-53

Tot Ion: 92 Resp: 2956979

Ion Ratio Lower Upper

92 100

91 167.7 135.8 203.8



#62

4-Bromofluorobenzene

Concen: 48.406 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

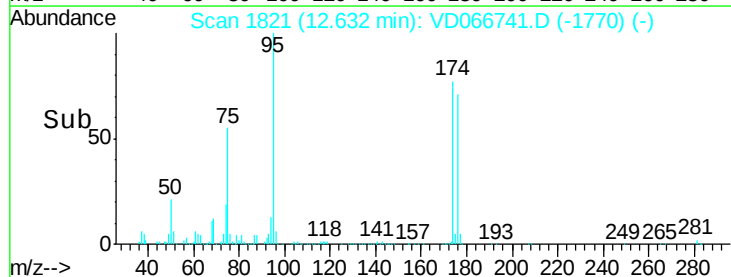
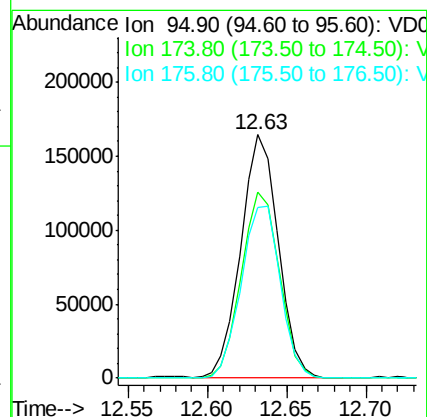
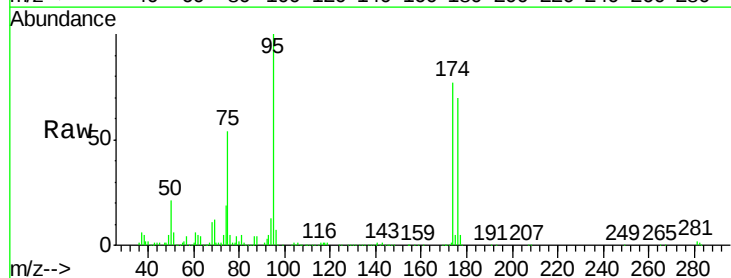
Tgt Ion: 95 Resp: 269960

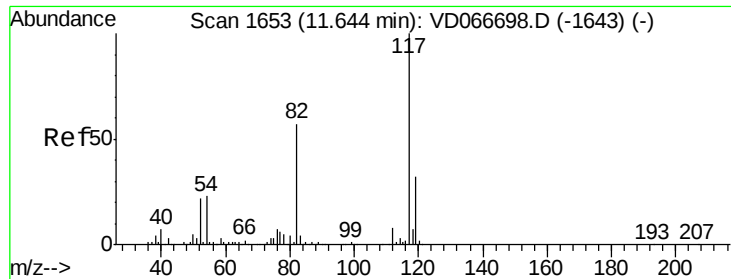
Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.6

176 73.9 0.0 150.2

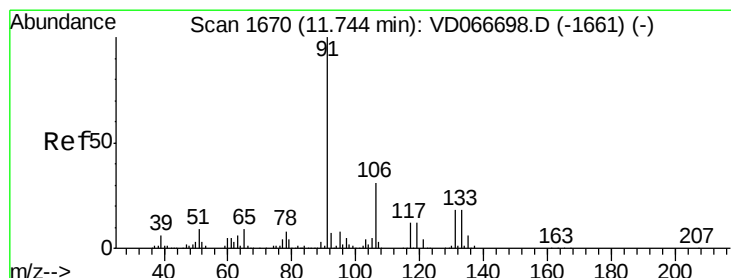
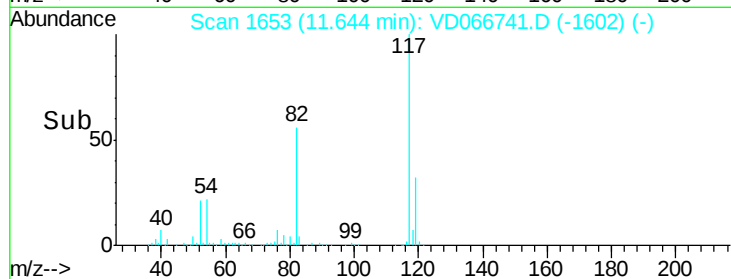
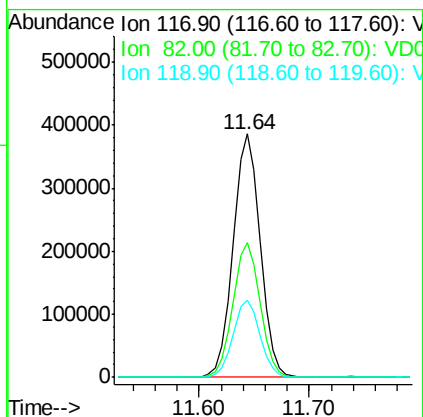
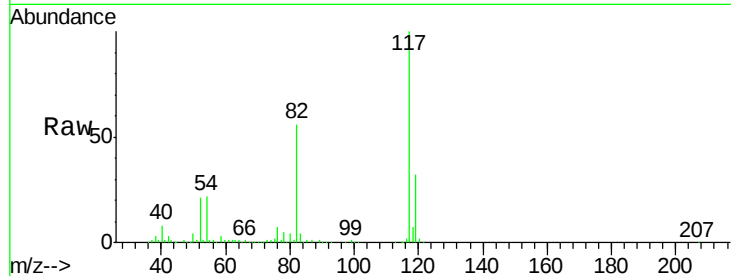




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

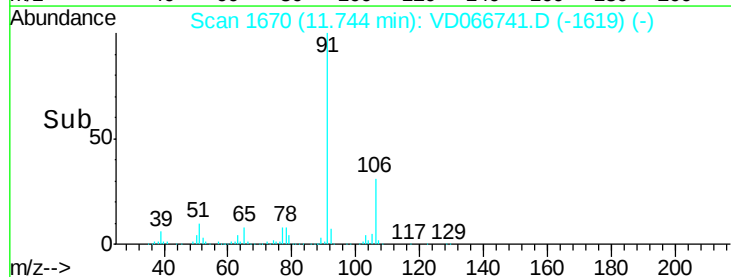
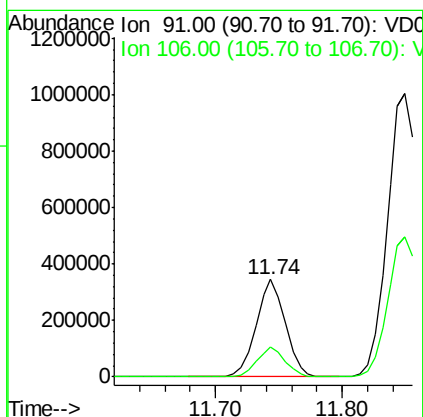
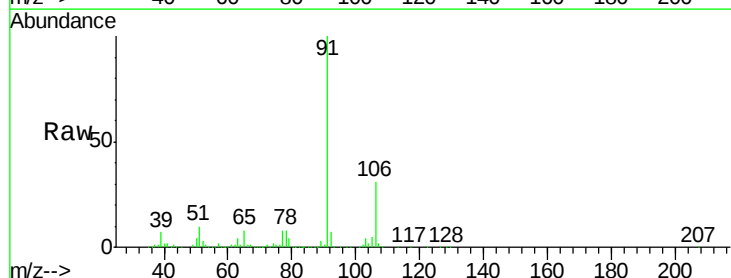
Instrument :
MSVOA_D
ClientSampleId :
51-53

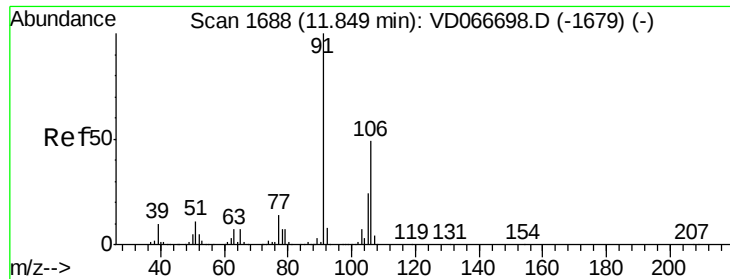
Tot Ion:117 Resp: 665145
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 31.5 25.8 38.6



#67
Ethyl Benzene
Concen: 22.093 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Tgt Ion: 91 Resp: 551104
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

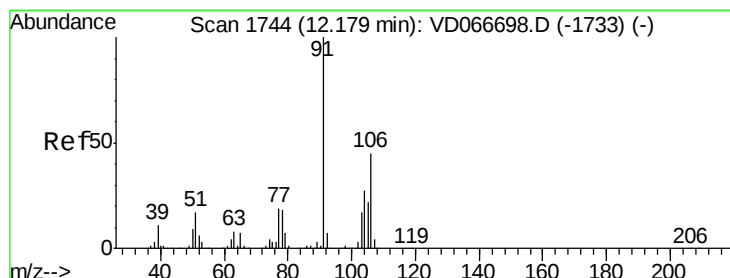
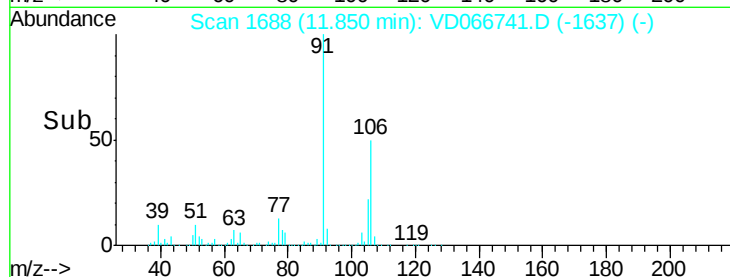
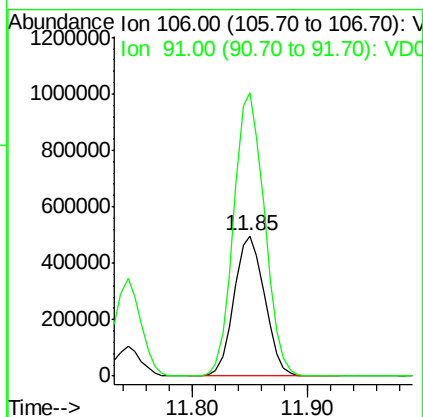
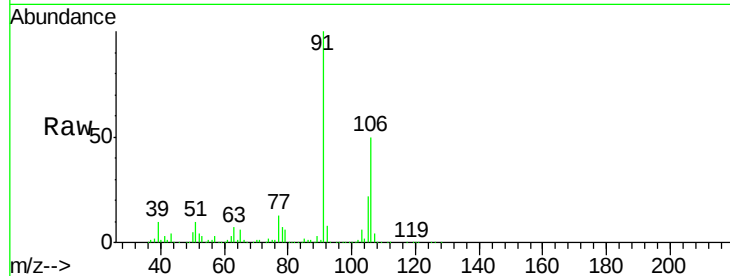




#68
m/p-Xylenes
Concen: 96.697 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

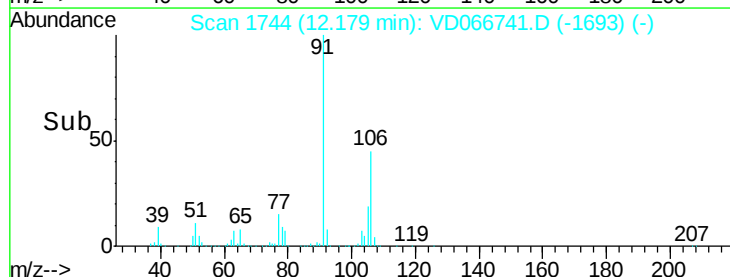
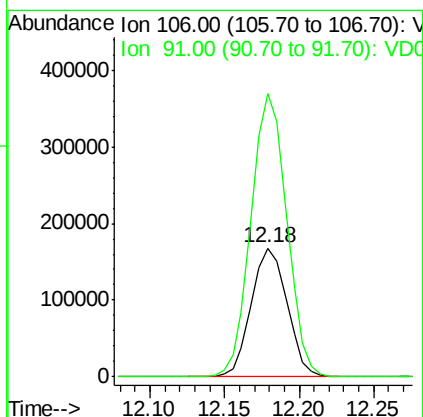
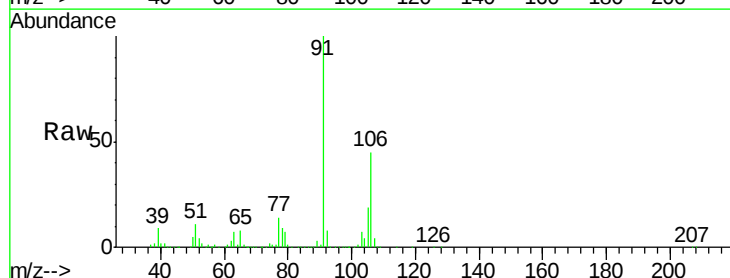
Instrument :
MSVOA_D
ClientSampleId :
51-53

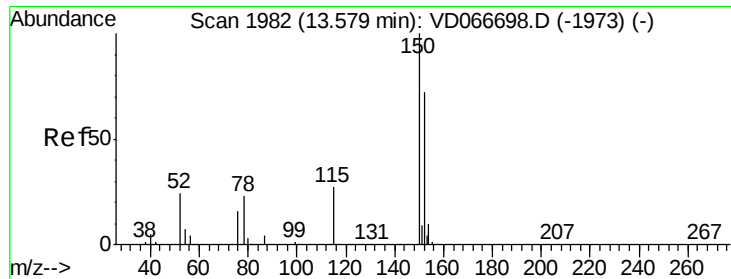
Tot Ion:106 Resp: 911623
Ion Ratio Lower Upper
106 100
91 203.5 164.8 247.2



#69
o-Xylene
Concen: 33.482 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Tgt Ion:106 Resp: 278948
Ion Ratio Lower Upper
106 100
91 219.7 109.4 328.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

51-53

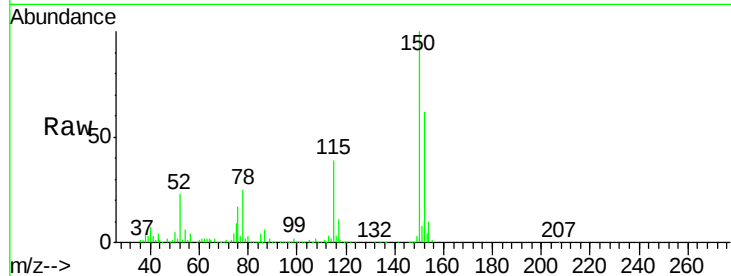
Tot Ion:152 Resp: 221787

Ion Ratio Lower Upper

152 100

115 63.5 30.5 91.5

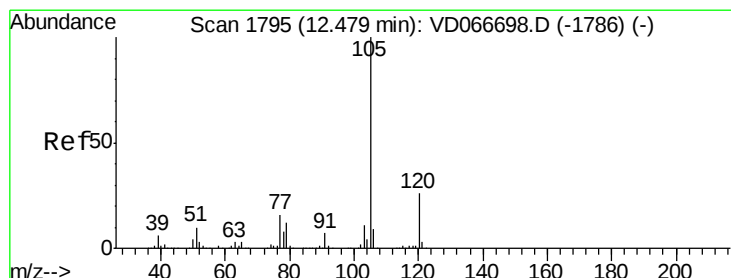
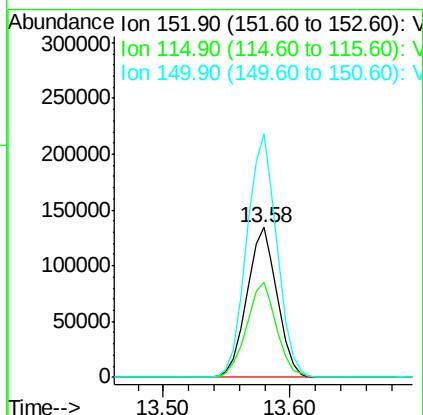
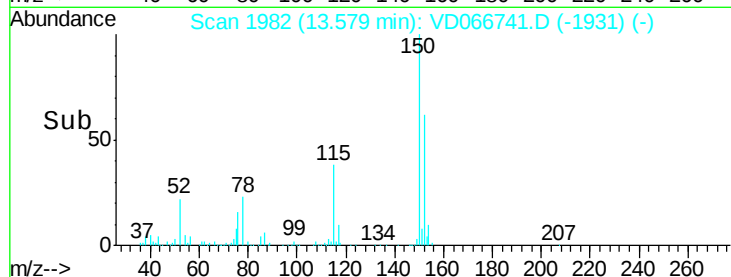
150 162.3 0.0 344.6



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: 1.577 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066741.D

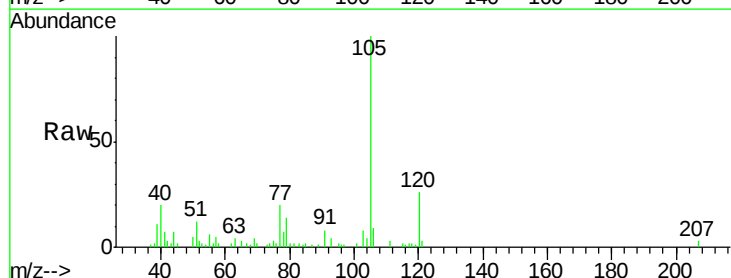
Acq: 17 Sep 2020 13:42

Tgt Ion:105 Resp: 26116

Ion Ratio Lower Upper

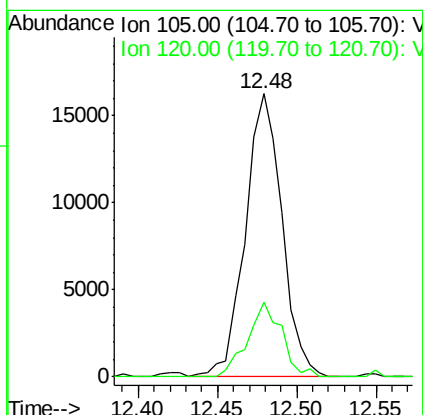
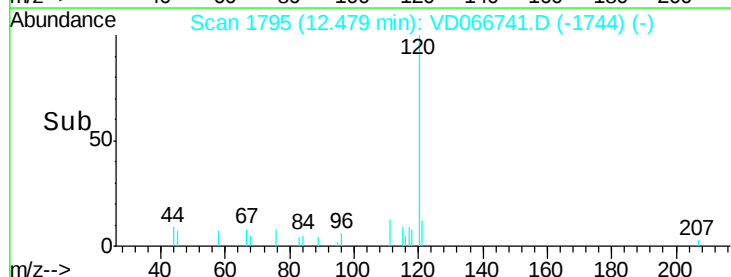
105 100

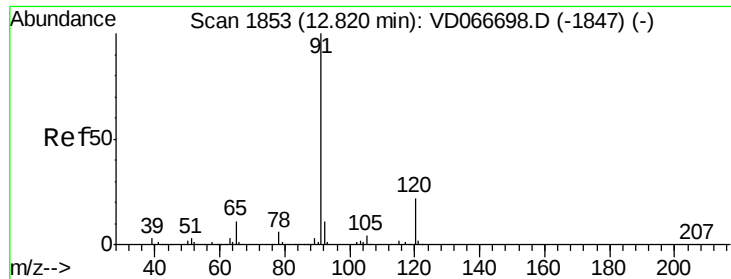
120 24.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.718 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066741.D

Acq: 17 Sep 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :

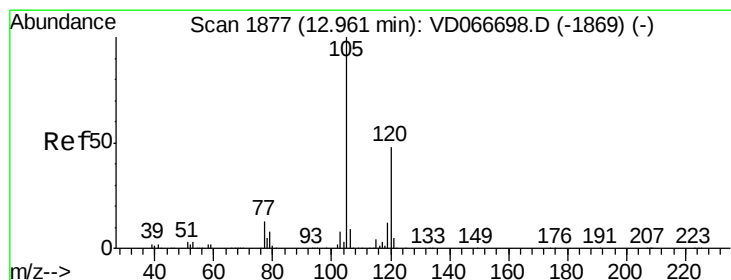
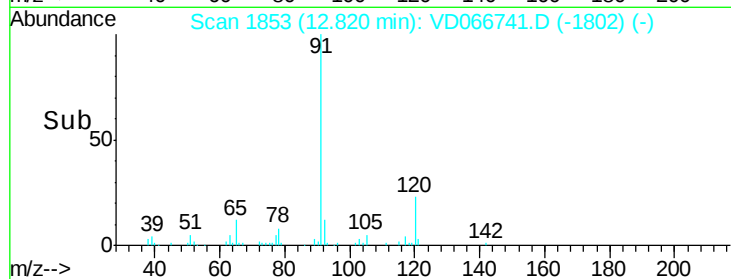
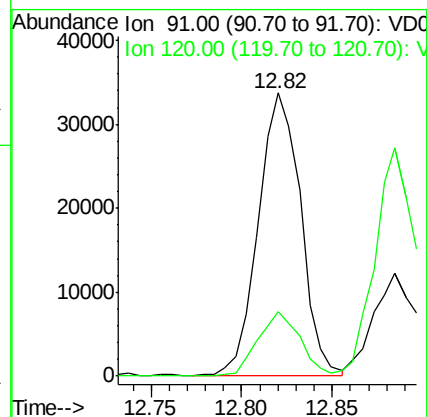
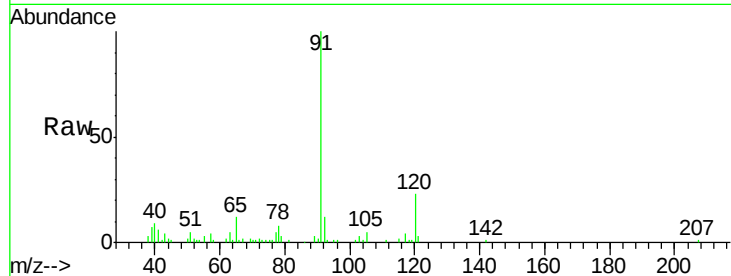
51-53

Tot Ion: 91 Resp: 54860

Ion Ratio Lower Upper

91 100

120 22.6 10.9 32.9



#80

1,3,5-Trimethylbenzene

Concen: 5.413 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066741.D

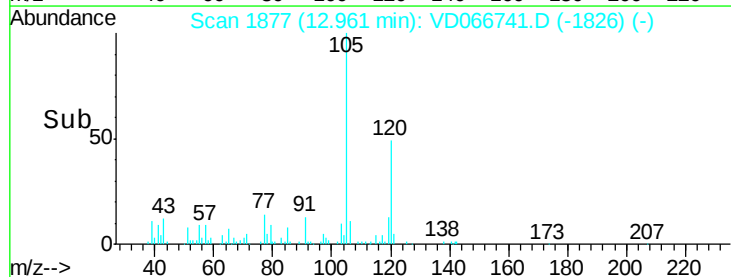
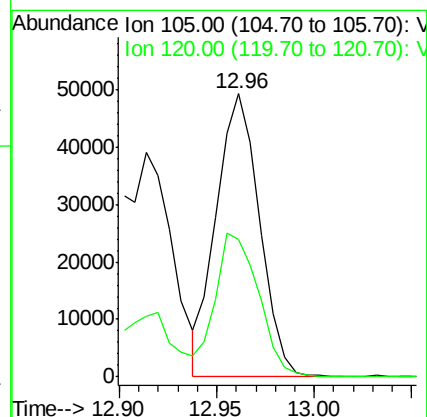
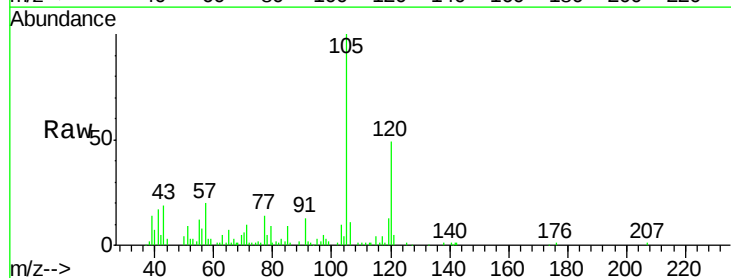
Acq: 17 Sep 2020 13:42

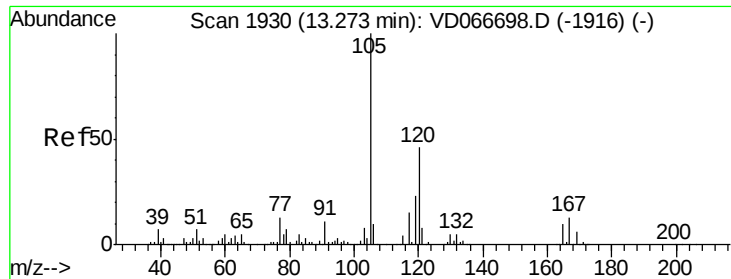
Tgt Ion: 105 Resp: 75774

Ion Ratio Lower Upper

105 100

120 50.9 23.9 71.7

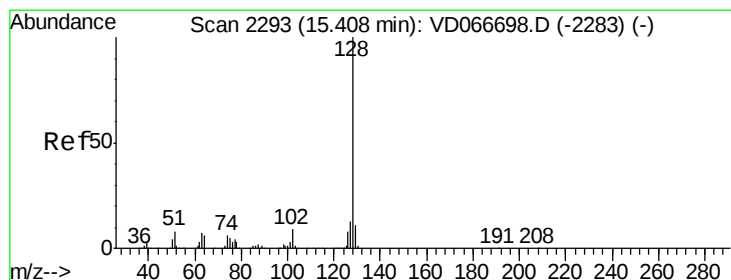
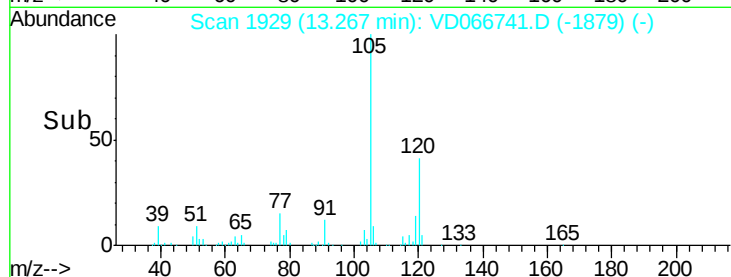
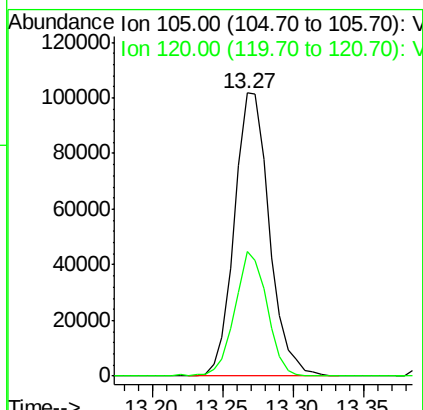
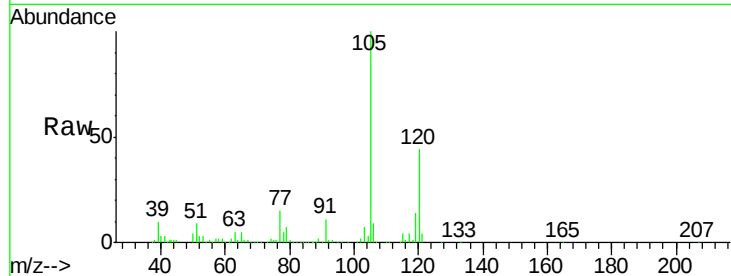




#84
1,2,4-Trimethylbenzene
Concen: 12.593 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
51-53

Tot Ion:105 Resp: 176185
Ion Ratio Lower Upper
105 100
120 40.8 22.4 67.2



#95
Naphthalene
Concen: 28.118 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066741.D
Acq: 17 Sep 2020 13:42

Tgt Ion:128 Resp: 186398
Ion Ratio Lower Upper
128 100
127 15.2 10.5 15.7
129 14.8 8.6 12.8#

