

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064093.D
 Acq On : 29 Oct 2019 17:17
 Operator : VA/SY
 Sample : K5140-05
 Misc : 9.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-102519

Quant Time: Oct 30 08:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	236515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	382265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	397697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	101109	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
35) Dibromofluoromethane	7.91	113	116353	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.34	98	481294	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.64	95	204008	65.43	ug/l	0.00
Spiked Amount			Recovery	=	130.86%	

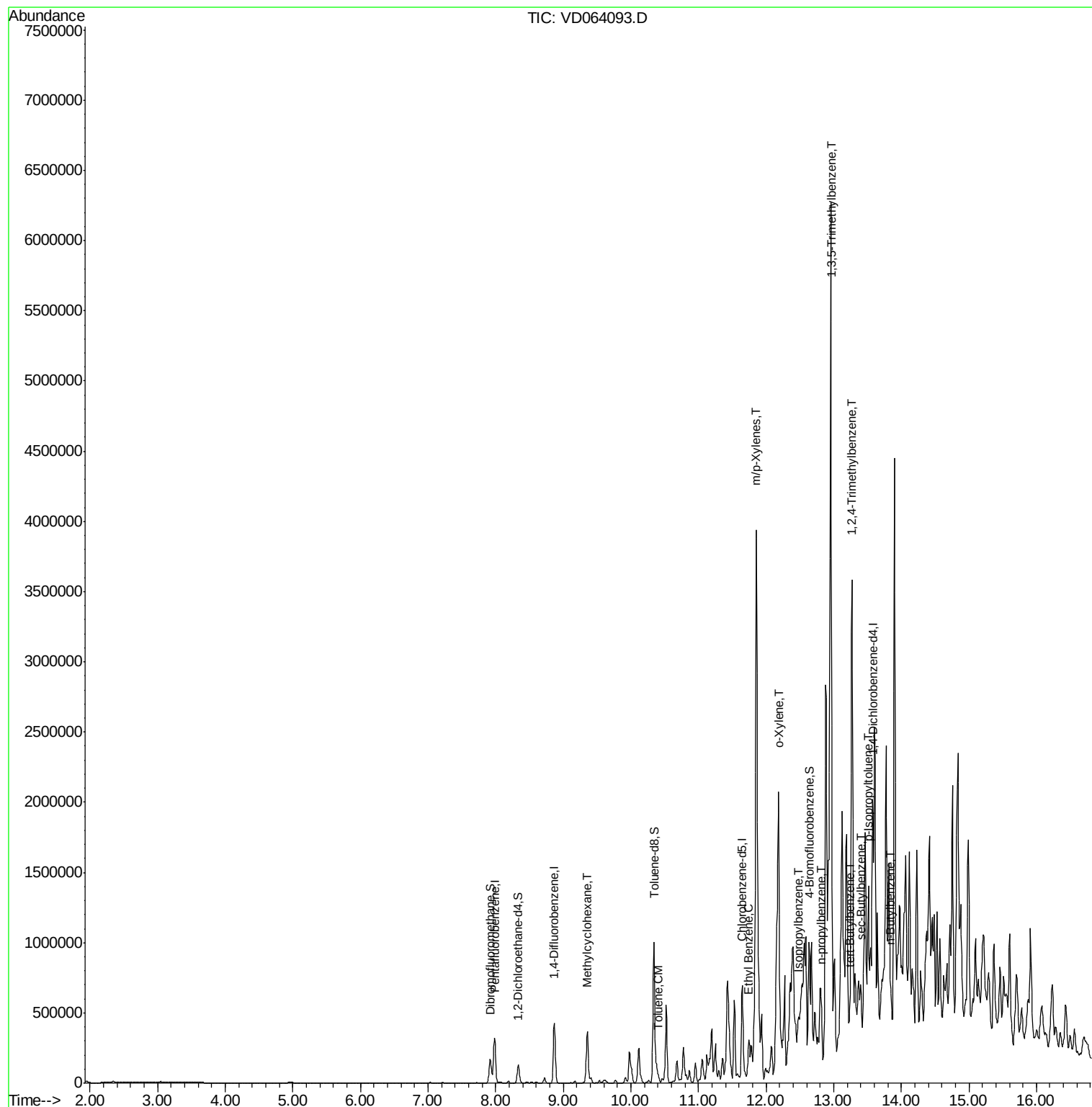
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.36	83	157412	35.800	ug/l	95
52) Toluene	10.41	92	21090	3.081	ug/l	97
67) Ethyl Benzene	11.74	91	162447	11.114	ug/l	94
68) m/p-Xylenes	11.86	106	780733	132.803	ug/l	99
69) o-Xylene	12.18	106	486883	90.748	ug/l	99
73) Isopropylbenzene	12.48	105	72941	4.485	ug/l	99
78) n-propylbenzene	12.83	91	159382	8.364	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1052988	77.371	ug/l	99
83) tert-Butylbenzene	13.23	119	14761	1.208	ug/l	83
84) 1,2,4-Trimethylbenzene	13.27	105	1768893	129.383	ug/l	99
85) sec-Butylbenzene	13.40	105	90127	5.369	ug/l	79
86) p-Isopropyltoluene	13.52	119	137352	8.708	ug/l	99
89) n-Butylbenzene	13.85	91	62568	4.301	ug/l #	51

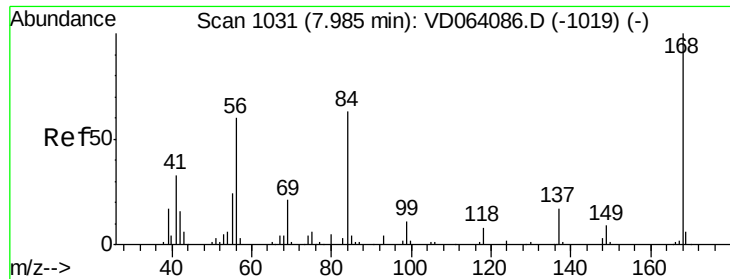
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

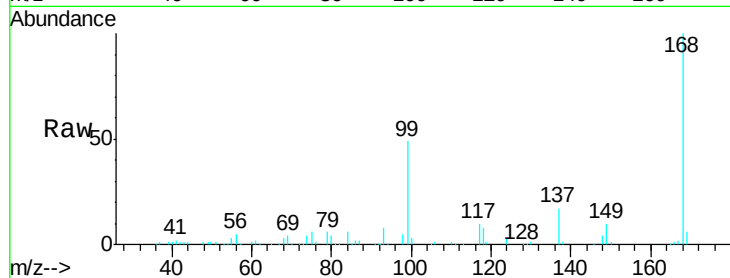
HR-06-102519

Tgt Ion: 168 Resp: 236515

Ion Ratio Lower Upper

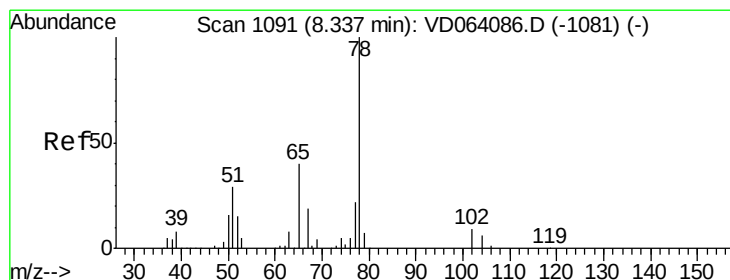
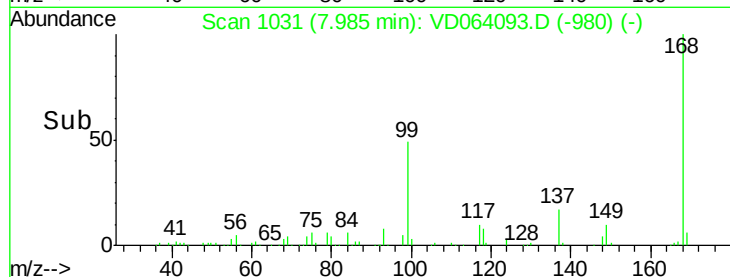
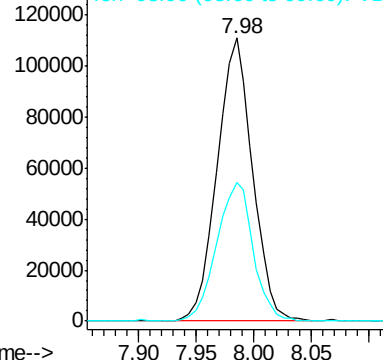
168 100

99 49.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 53.752 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064093.D

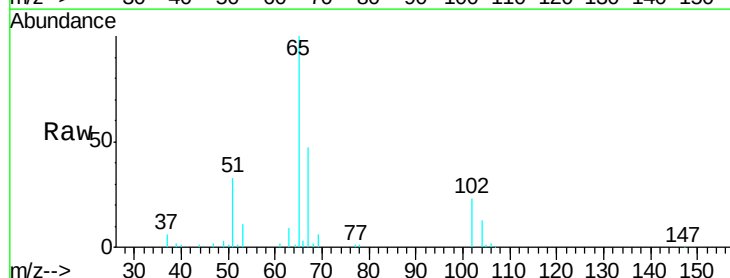
Acq: 29 Oct 2019 17:17

Tgt Ion: 65 Resp: 101109

Ion Ratio Lower Upper

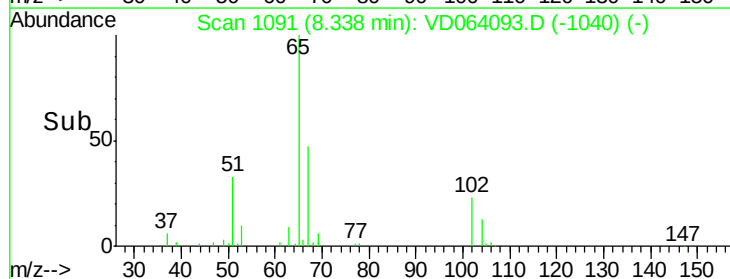
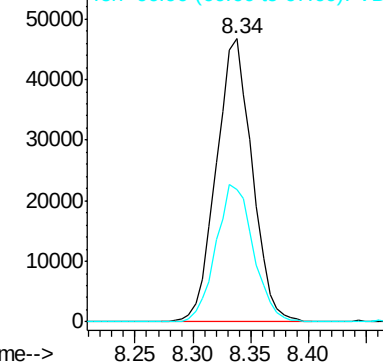
65 100

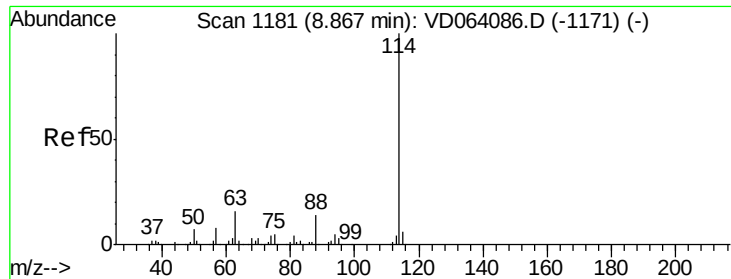
67 50.5 0.0 104.6



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: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

HR-06-102519

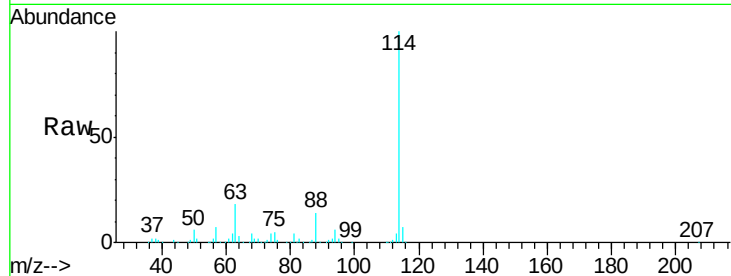
Tgt Ion:114 Resp: 382265

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.8

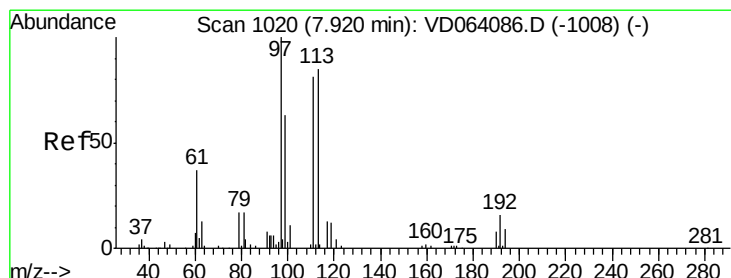
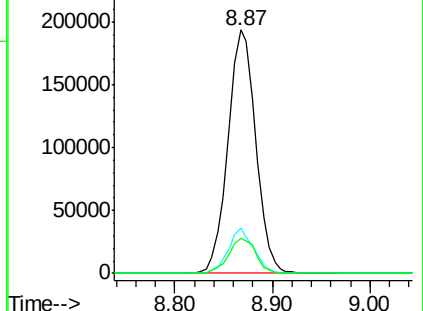
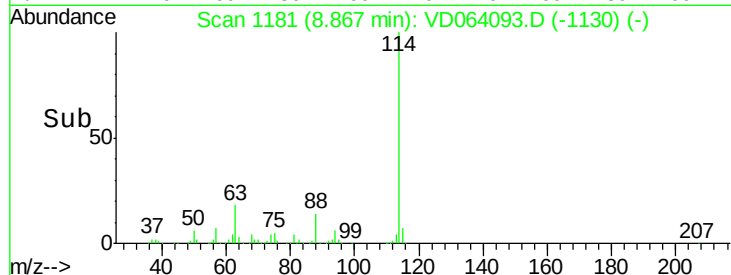
88 14.2 0.0 27.6



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: 49.474 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

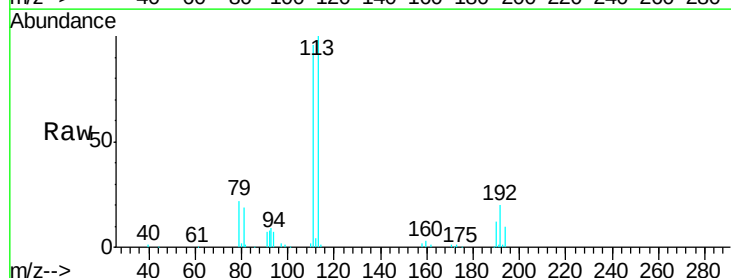
Tgt Ion:113 Resp: 116353

Ion Ratio Lower Upper

113 100

111 104.5 79.3 118.9

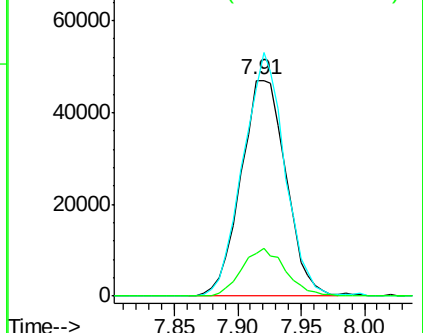
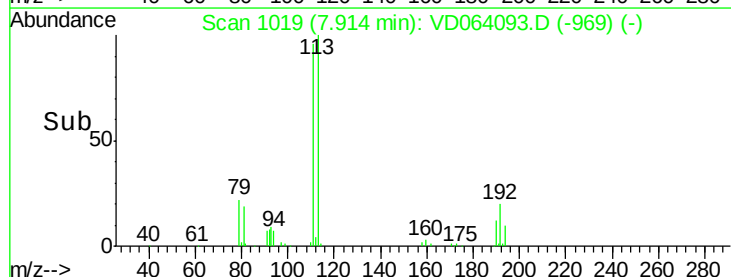
192 21.5 16.2 24.2

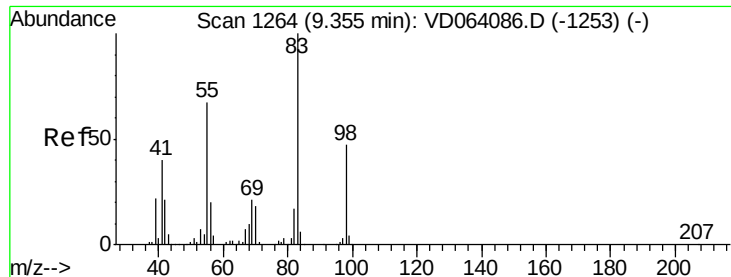


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

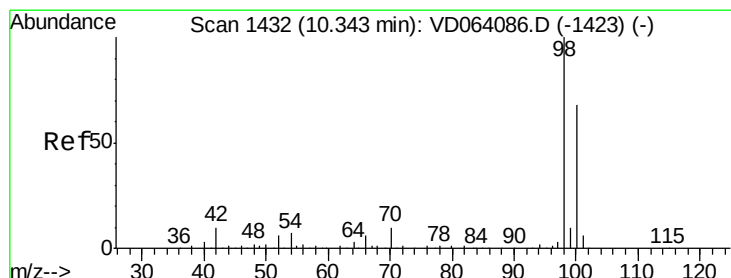
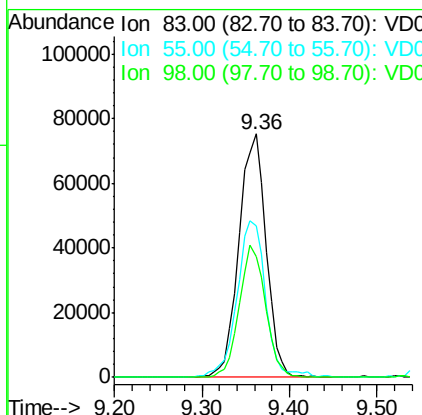
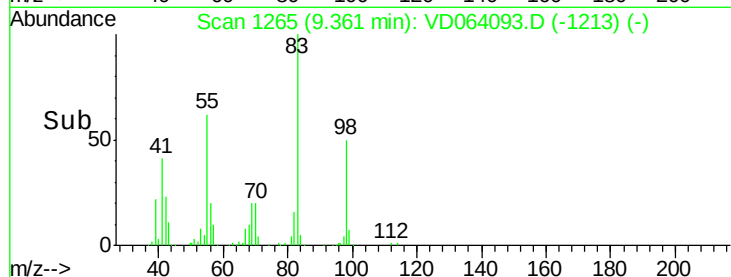
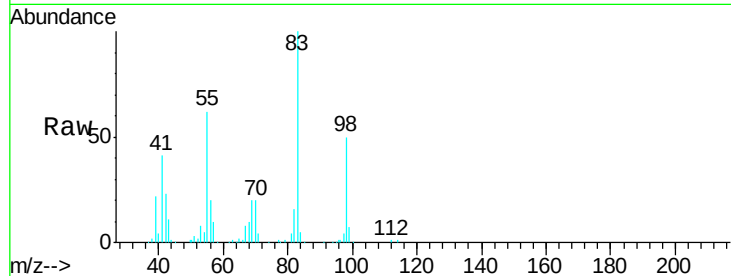




#39
Methylcyclohexane
Concen: 35.800 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

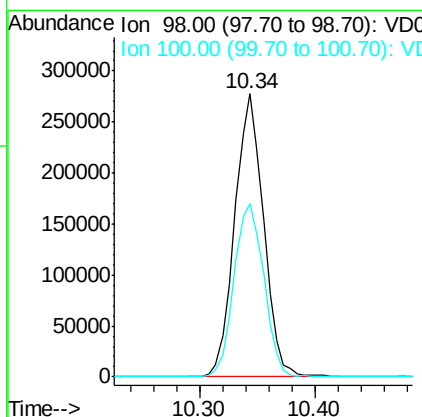
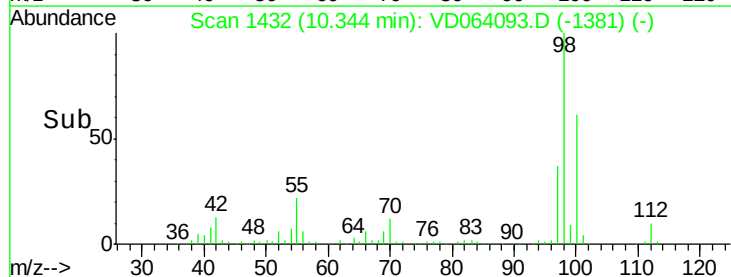
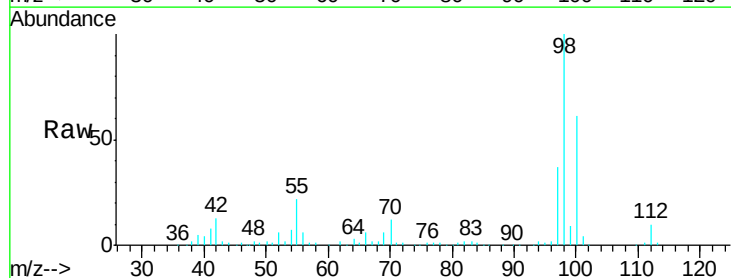
Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

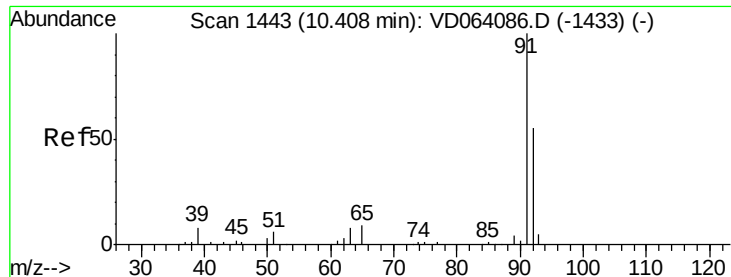
Tgt Ion: 83 Resp: 157412
Ion Ratio Lower Upper
83 100
55 62.3 53.4 80.0
98 49.6 37.8 56.6



#50
Toluene-d8
Concen: 51.173 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion: 98 Resp: 481294
Ion Ratio Lower Upper
98 100
100 63.3 53.4 80.0





#52

Toluene

Concen: 3.081 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

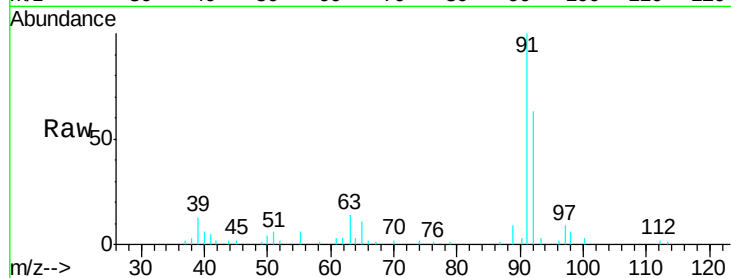
HR-06-102519

Tgt Ion: 92 Resp: 21090

Ion Ratio Lower Upper

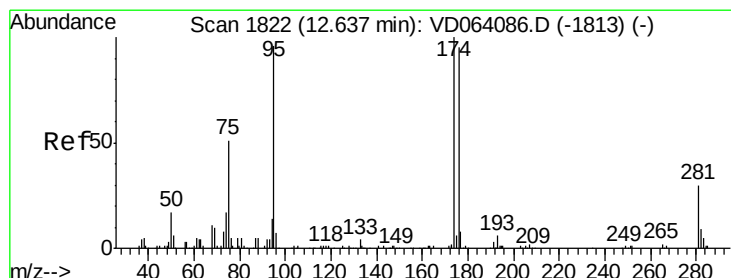
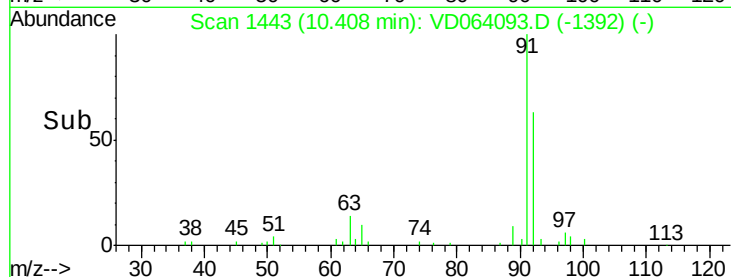
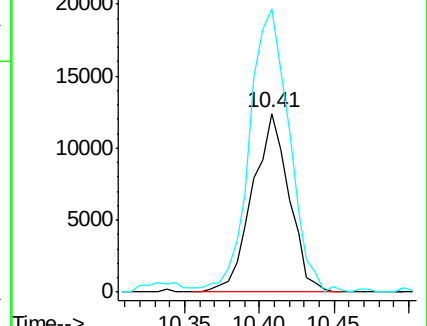
92 100

91 171.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 65.426 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

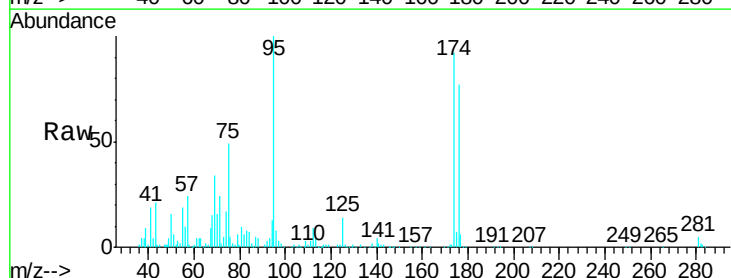
Tgt Ion: 95 Resp: 204008

Ion Ratio Lower Upper

95 100

174 90.1 0.0 201.6

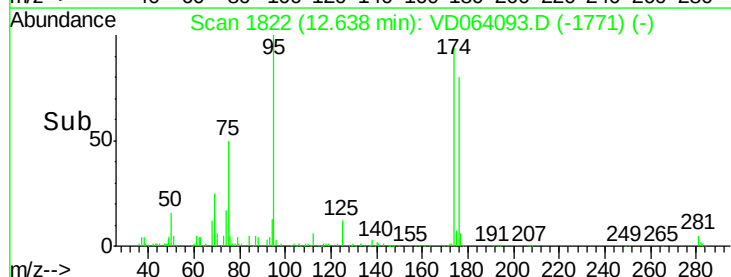
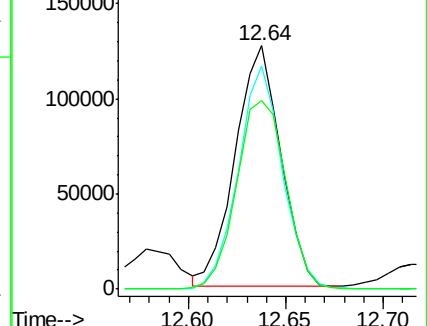
176 85.0 0.0 192.6

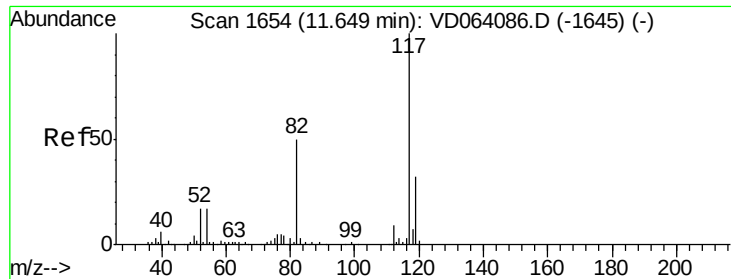


Abundance Ion 94.90 (94.60 to 95.60): VDC

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: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

HR-06-102519

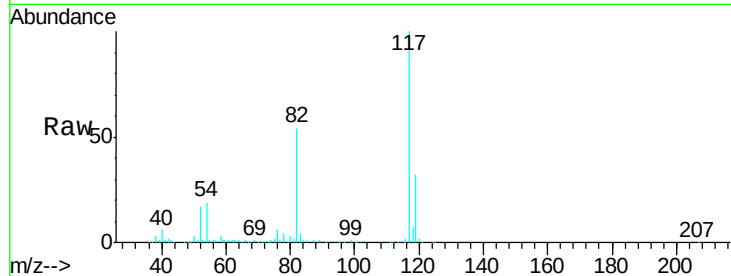
Tgt Ion: 117 Resp: 397697

Ion Ratio Lower Upper

117 100

82 52.1 40.2 60.4

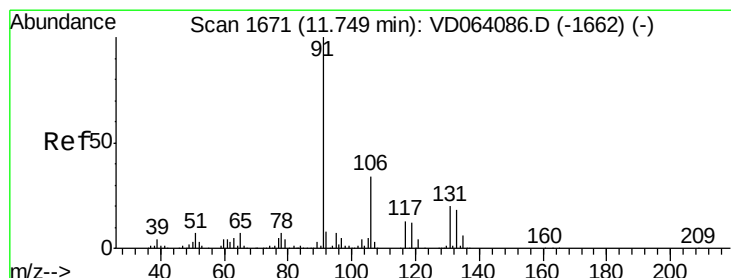
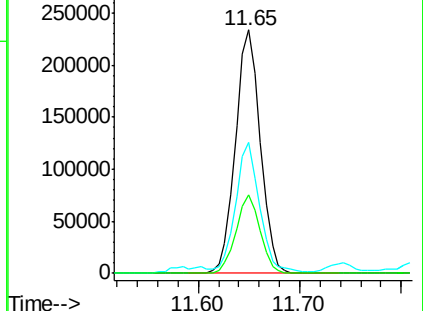
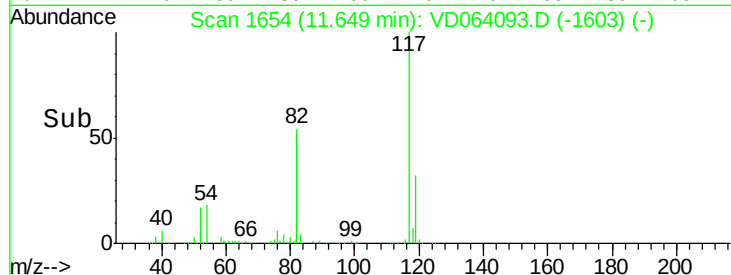
119 32.2 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 11.114 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064093.D

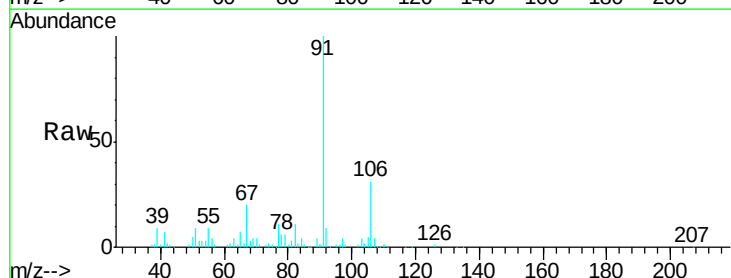
Acq: 29 Oct 2019 17:17

Tgt Ion: 91 Resp: 162447

Ion Ratio Lower Upper

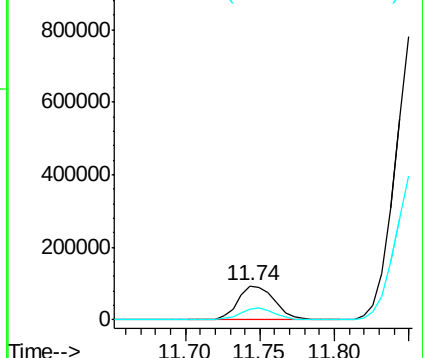
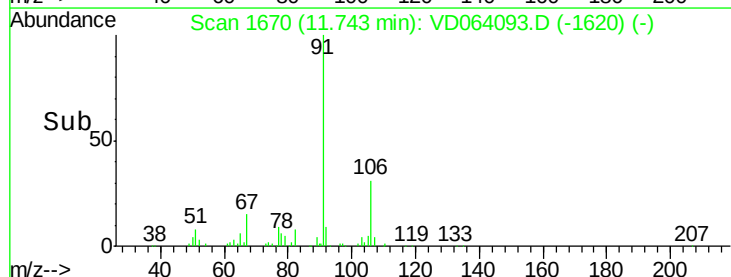
91 100

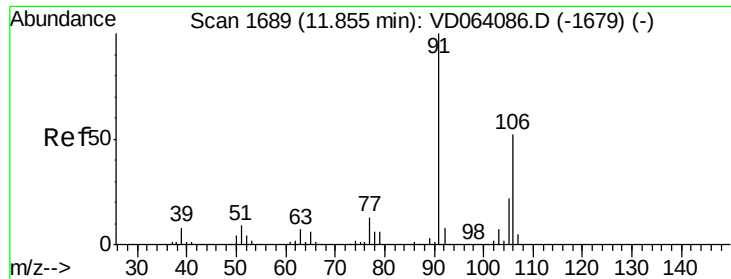
106 30.6 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

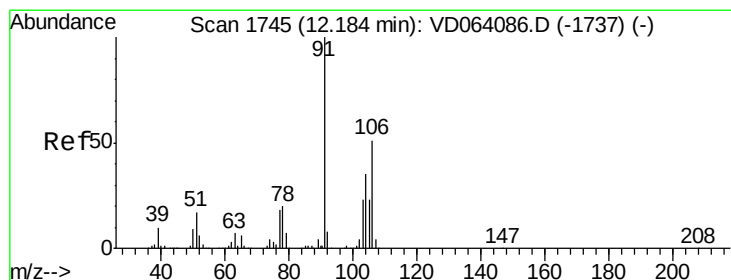
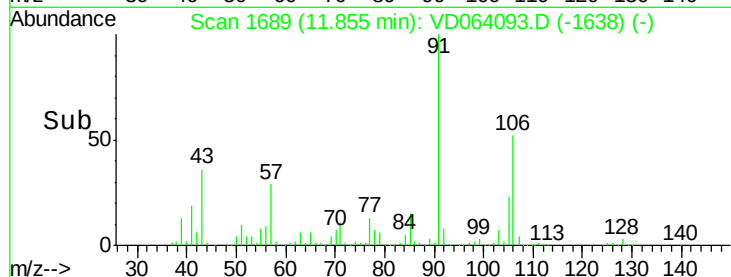
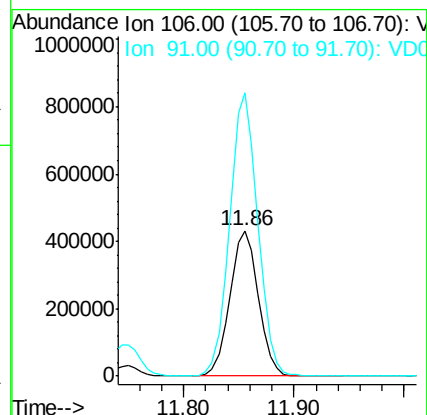
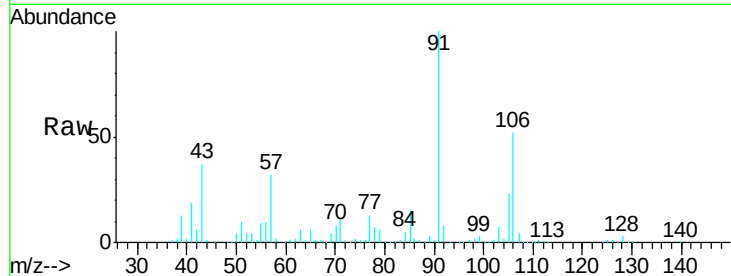




#68
m/p-Xylenes
Concen: 132.803 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

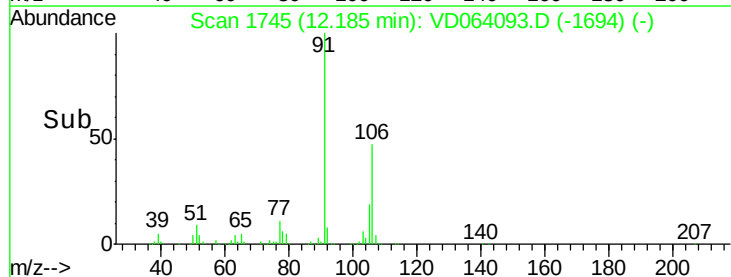
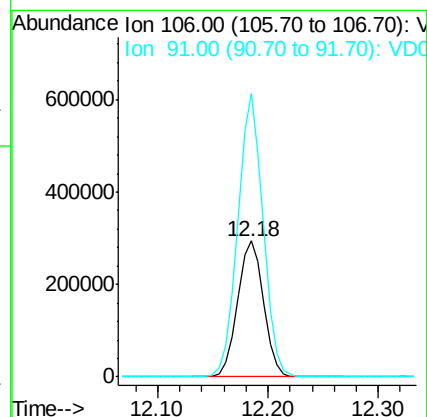
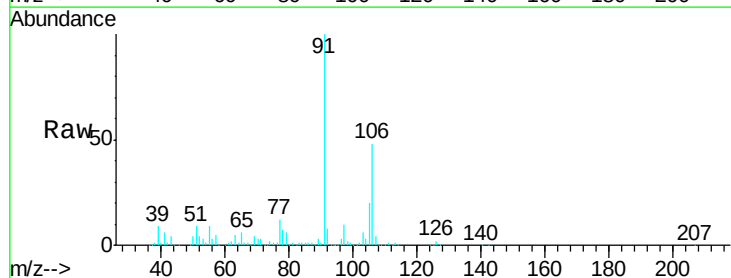
Instrument :
MSVOA_D
ClientSampleId :
HR-06-102519

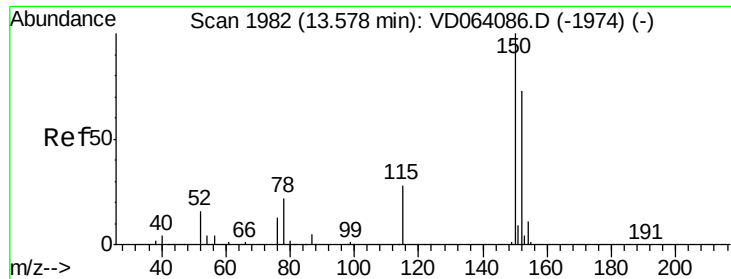
Tgt Ion:106 Resp: 780733
Ion Ratio Lower Upper
106 100
91 191.7 154.0 231.0



#69
o-Xylene
Concen: 90.748 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064093.D
Acq: 29 Oct 2019 17:17

Tgt Ion:106 Resp: 486883
Ion Ratio Lower Upper
106 100
91 202.2 100.6 301.9

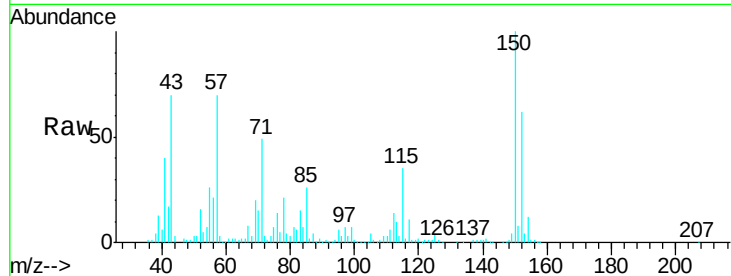




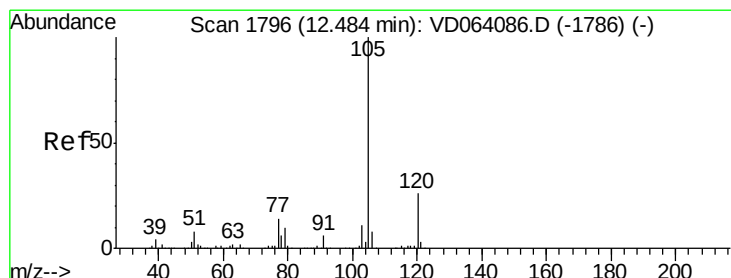
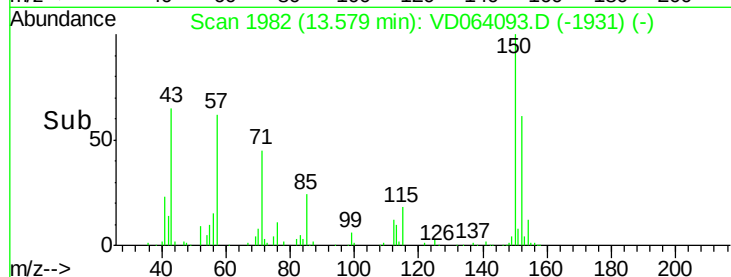
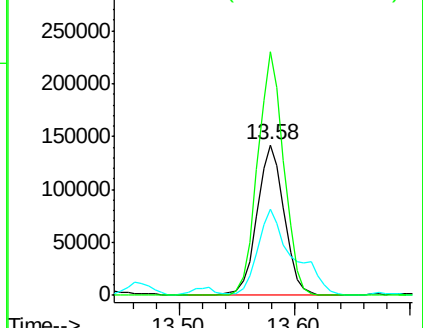
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-102519

Tgt Ion:152 Resp: 234013
 Ion Ratio Lower Upper
 152 100
 115 74.1 26.2 78.6
 150 154.8 0.0 338.8

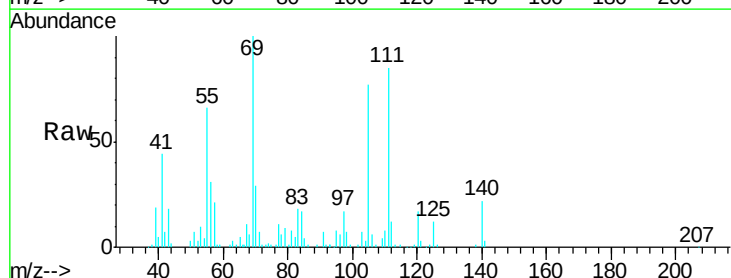


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

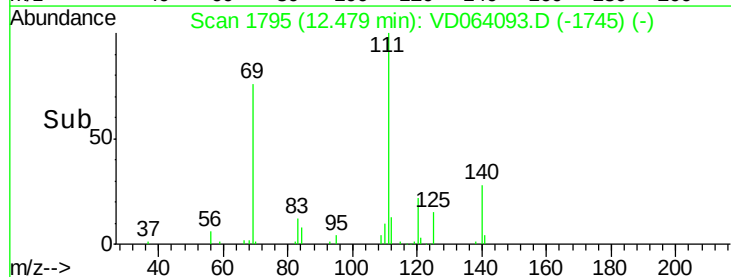
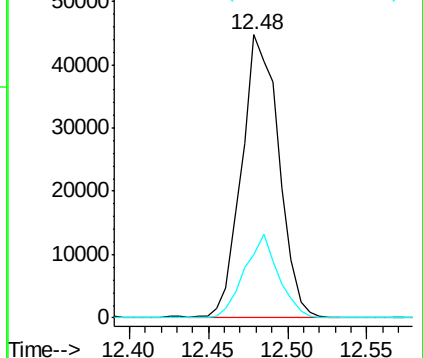


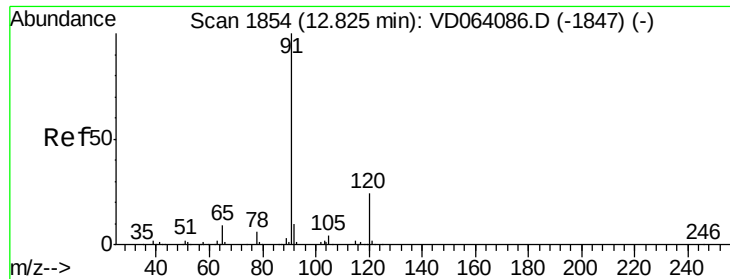
#73
 Isopropylbenzene
 Concen: 4.485 ug/l
 RT: 12.48 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Tgt Ion:105 Resp: 72941
 Ion Ratio Lower Upper
 105 100
 120 26.9 13.3 39.9



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





#78

n-propylbenzene

Concen: 8.364 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

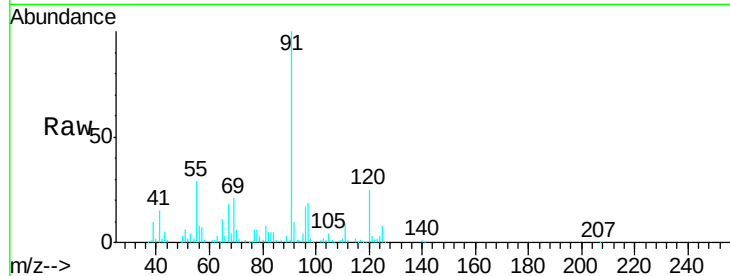
HR-06-102519

Tgt Ion: 91 Resp: 159382

Ion Ratio Lower Upper

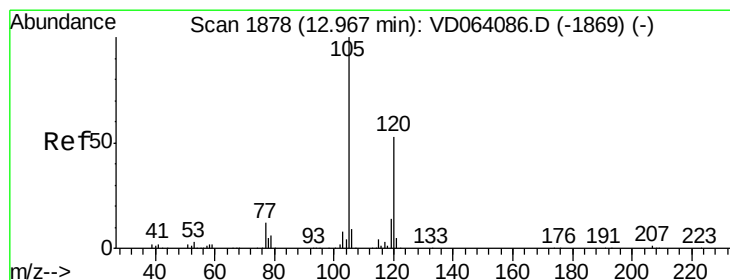
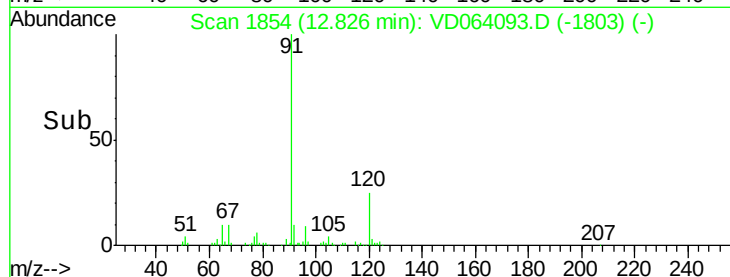
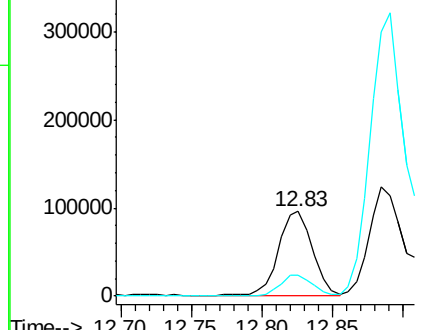
91 100

120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 77.371 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064093.D

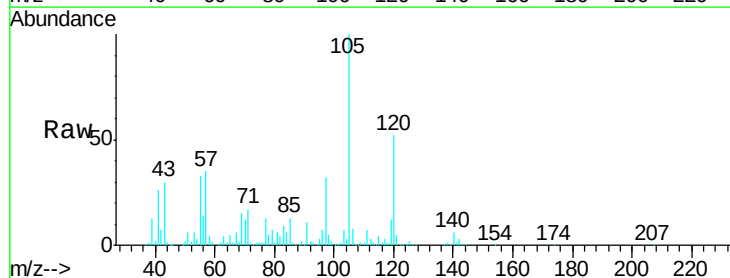
Acq: 29 Oct 2019 17:17

Tgt Ion: 105 Resp: 1052988

Ion Ratio Lower Upper

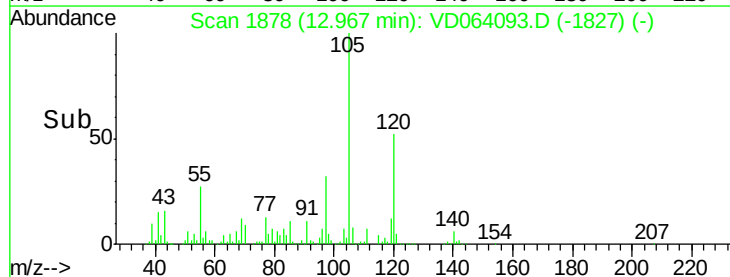
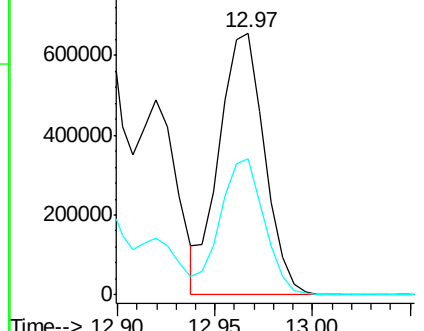
105 100

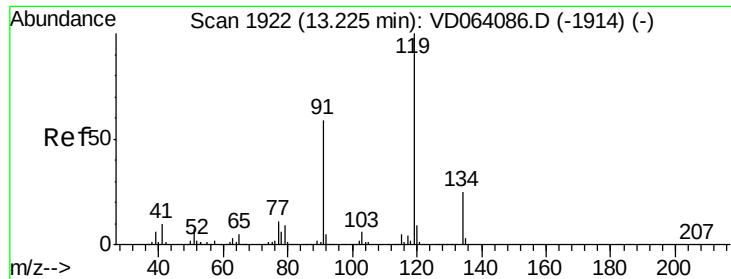
120 50.8 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

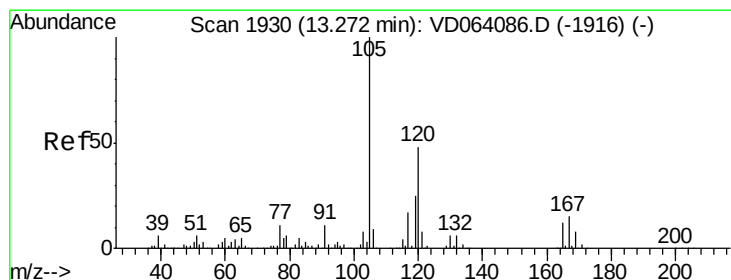
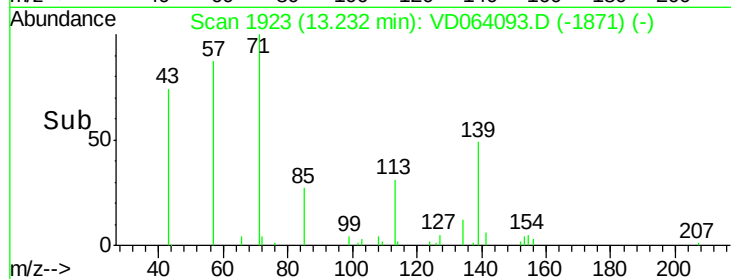
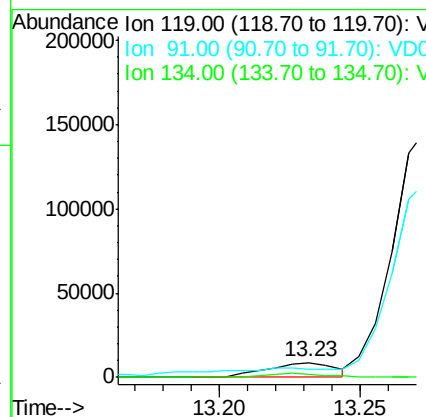
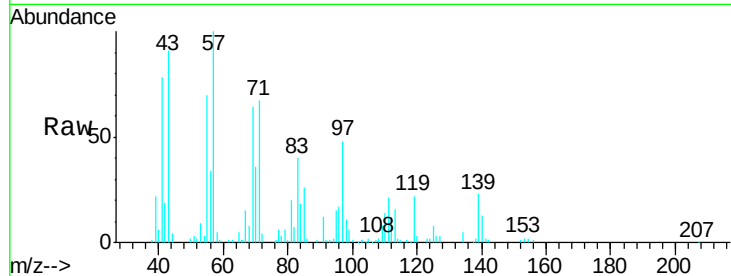




#83
 tert-Butylbenzene
 Concen: 1.208 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

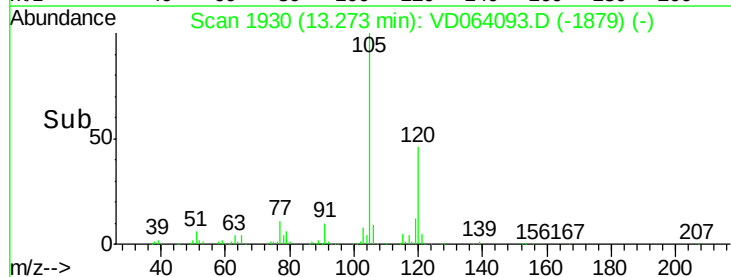
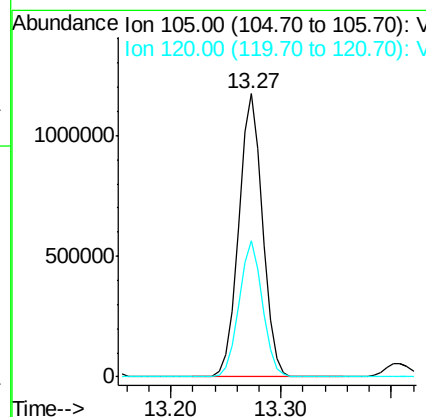
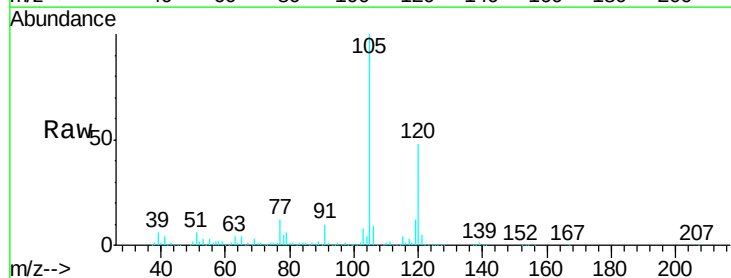
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-102519

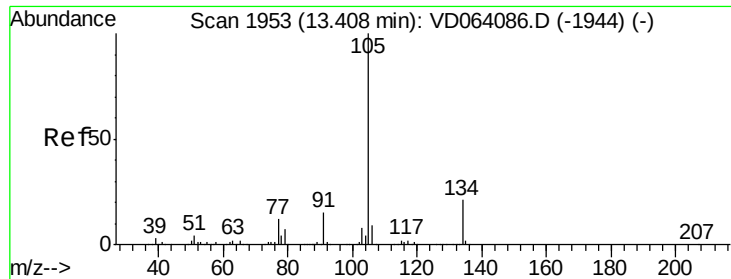
Tgt Ion:119 Resp: 14761
 Ion Ratio Lower Upper
 119 100
 91 74.3 28.3 85.0
 134 25.6 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 129.383 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064093.D
 Acq: 29 Oct 2019 17:17

Tgt Ion:105 Resp: 1768893
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.4





#85

sec-Butylbenzene

Concen: 5.369 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

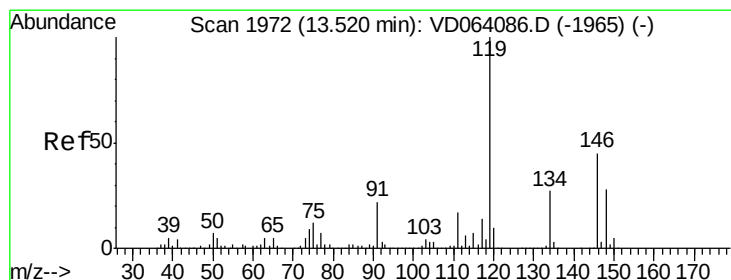
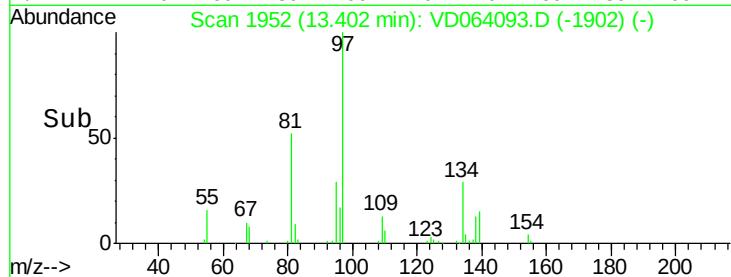
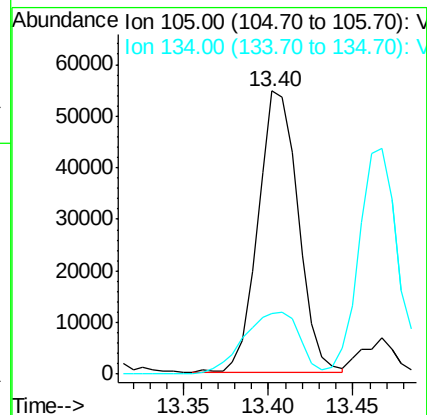
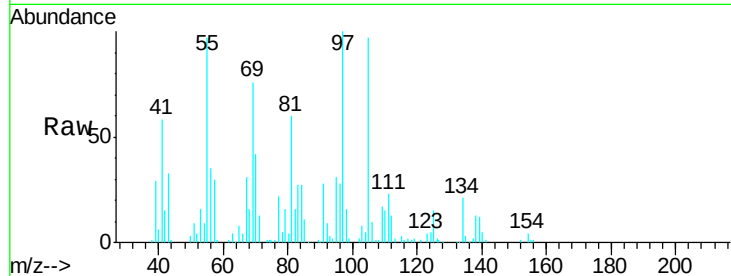
HR-06-102519

Tgt Ion:105 Resp: 90127

Ion Ratio Lower Upper

105 100

134 30.7 10.4 31.2



#86

p-Isopropyltoluene

Concen: 8.708 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

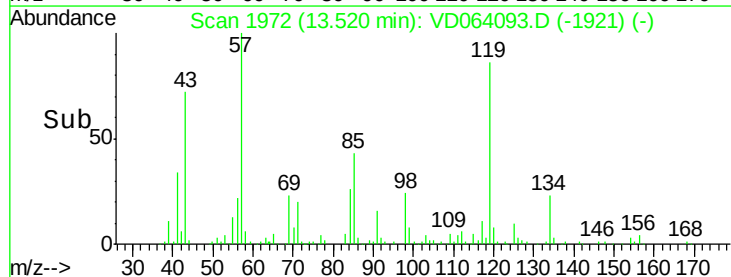
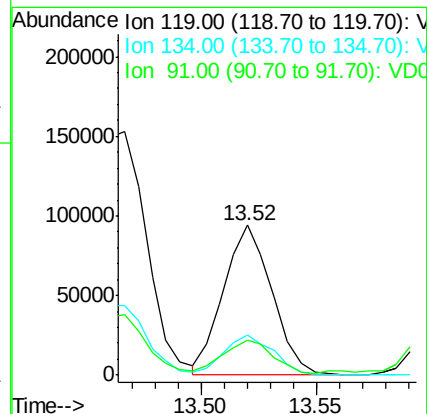
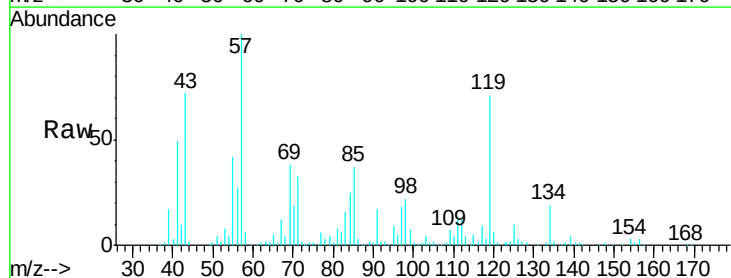
Tgt Ion:119 Resp: 137352

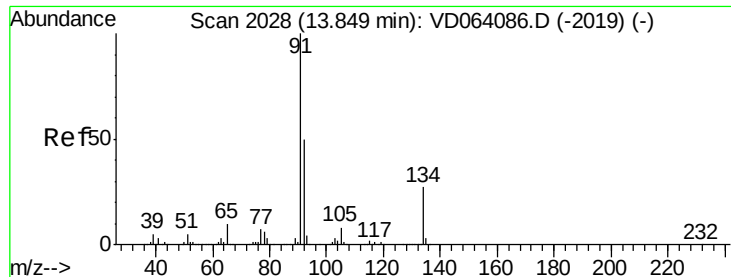
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.0 10.9 32.6





#89

n-Butylbenzene

Concen: 4.301 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064093.D

Acq: 29 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

HR-06-102519

Tgt Ion: 91 Resp: 62568

Ion Ratio Lower Upper

91 100

92 83.2 25.6 76.6#

134 0.0 14.0 42.0#

