

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066939.D
 Acq On : 29 Sep 2020 15:24
 Operator : VA/SY
 Sample : L4172-07
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(0-1)

Quant Time: Sep 30 03:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	402443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	697336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	747896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	352362	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	191802	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	7.91	113	215923	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	10.34	98	867774	57.41	ug/l	0.00
Spiked Amount			Recovery	=	114.82%	
62) 4-Bromofluorobenzene	12.63	95	348488	67.35	ug/l	0.00
Spiked Amount			Recovery	=	134.70%	

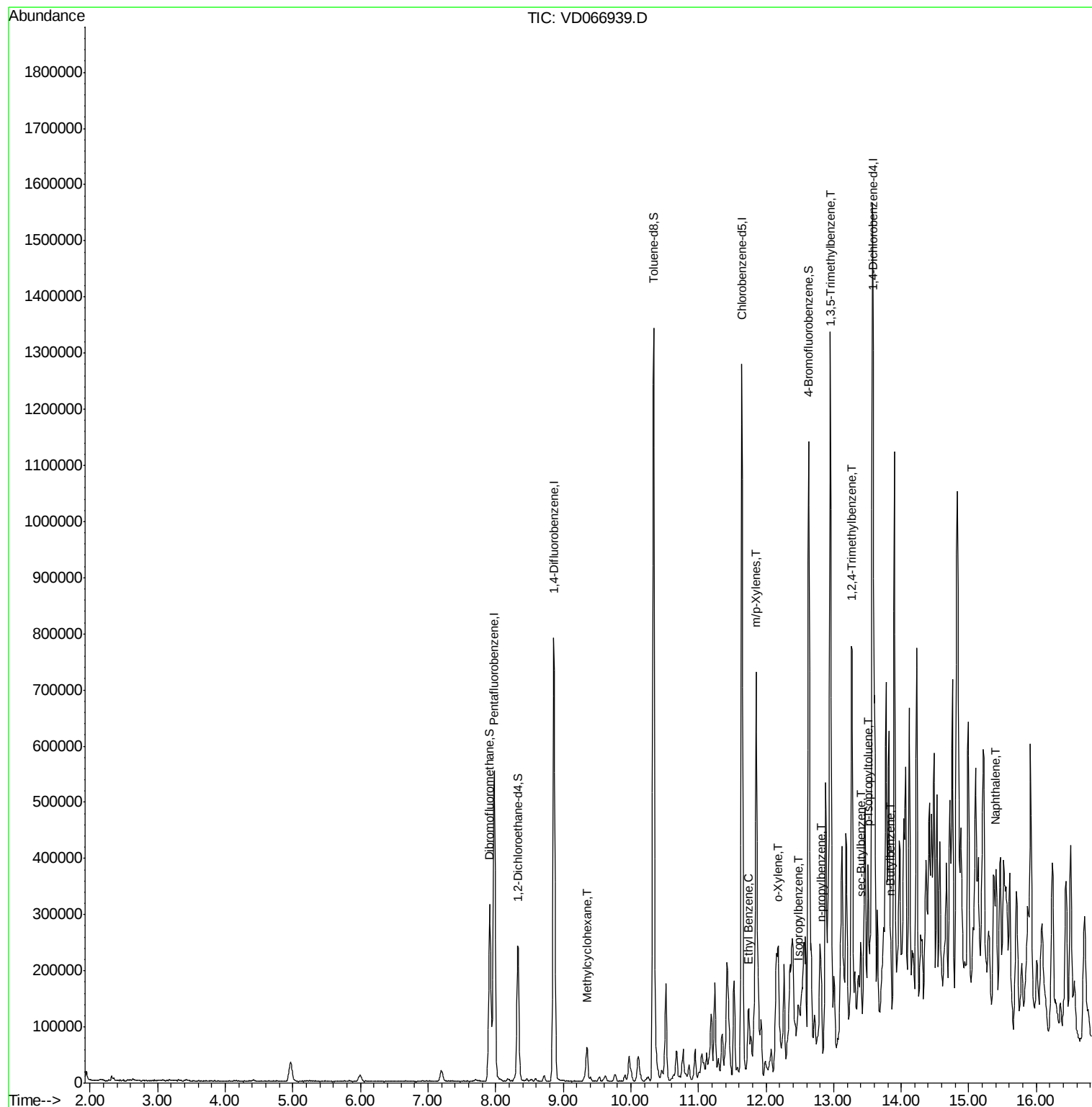
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.35	83	22479	2.830	ug/l	91
67) Ethyl Benzene	11.74	91	71441	2.613	ug/l	97
68) m/p-Xylenes	11.85	106	79502	7.680	ug/l	98
69) o-Xylene	12.18	106	41215	4.403	ug/l	100
73) Isopropylbenzene	12.48	105	34405	1.352	ug/l	96
78) n-propylbenzene	12.82	91	78368	2.559	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	187068	8.661	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	395558	18.469	ug/l	96
85) sec-Butylbenzene	13.40	105	70666	2.769	ug/l	92
86) p-Isopropyltoluene	13.52	119	60458	2.628	ug/l	98
89) n-Butylbenzene	13.85	91	50240	2.298	ug/l #	65
95) Naphthalene	15.41	128	173694	16.151	ug/l #	94

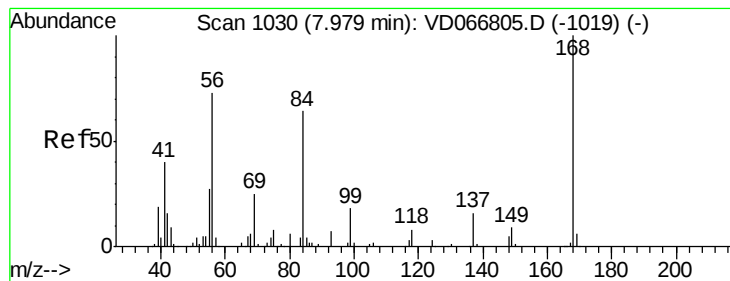
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 30 03:41:07 2020
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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066939.D

Acq: 29 Sep 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

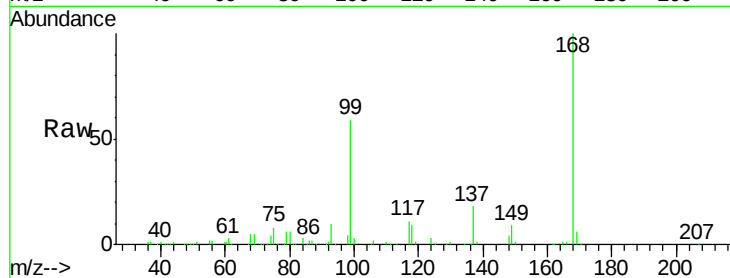
B-7(0-1)

Tot Ion:168 Resp: 402443

Ion Ratio Lower Upper

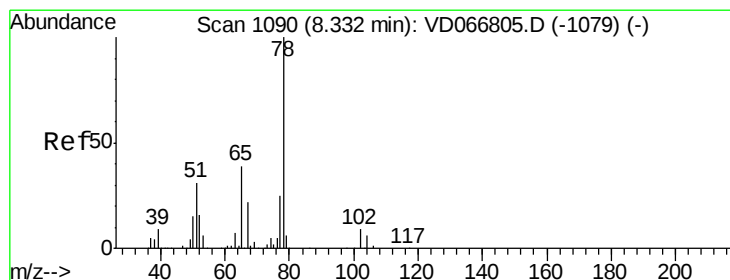
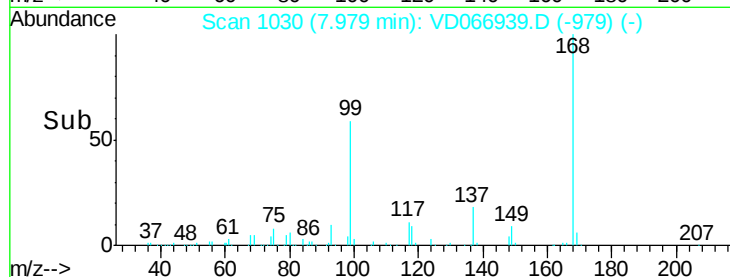
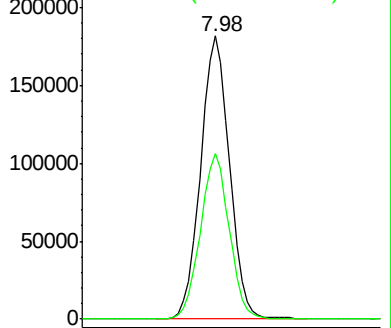
168 100

99 58.5 46.6 69.8



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: 48.694 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066939.D

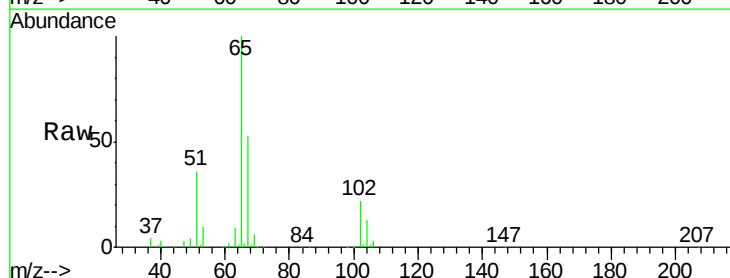
Acq: 29 Sep 2020 15:24

Tgt Ion: 65 Resp: 191802

Ion Ratio Lower Upper

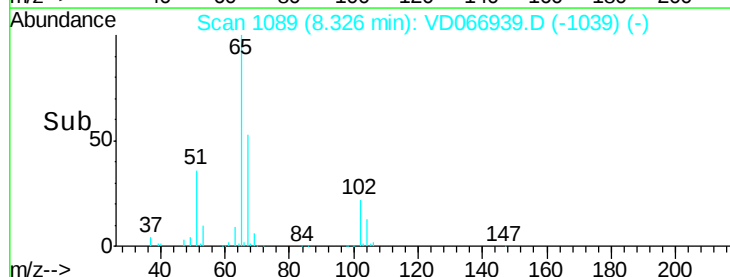
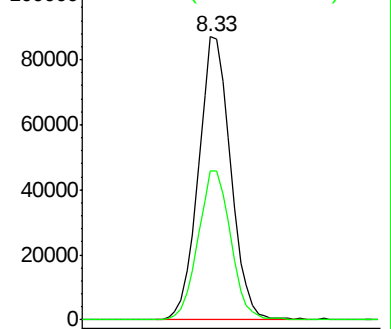
65 100

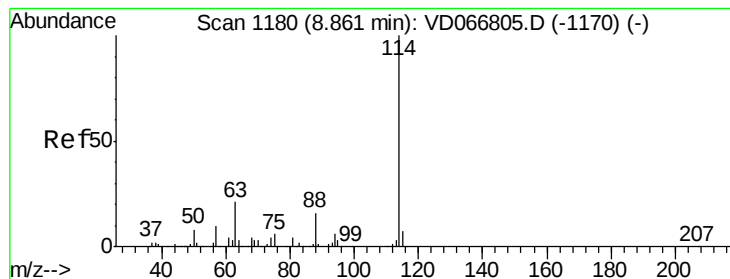
67 53.4 0.0 107.2



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: VD066939.D

Acq: 29 Sep 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

B-7(0-1)

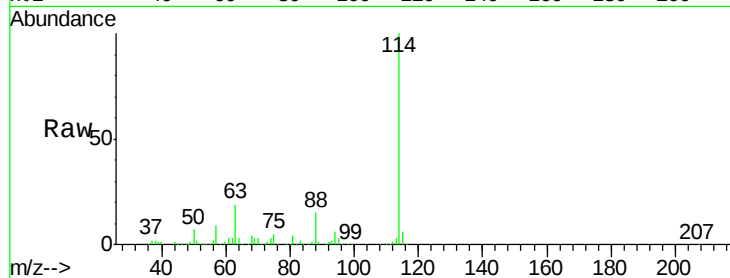
Tot Ion:114 Resp: 697336

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

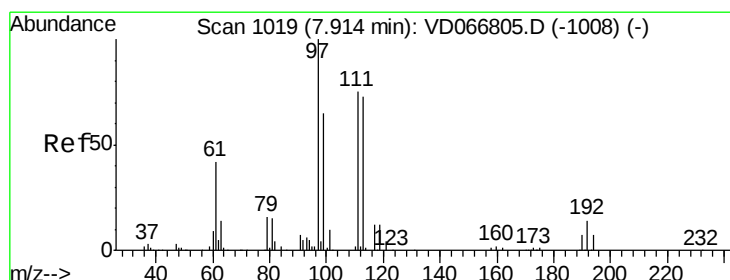
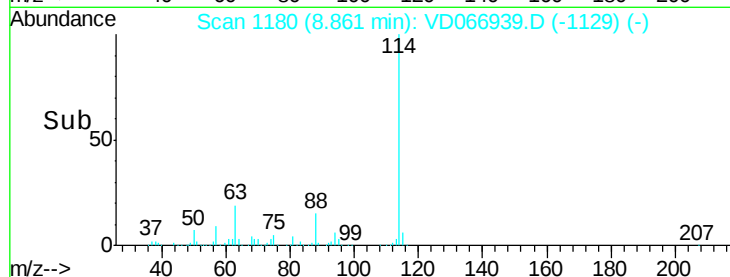
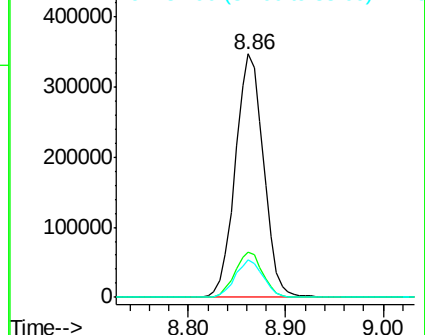
88 15.4 0.0 32.6



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: 48.670 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066939.D

Acq: 29 Sep 2020 15:24

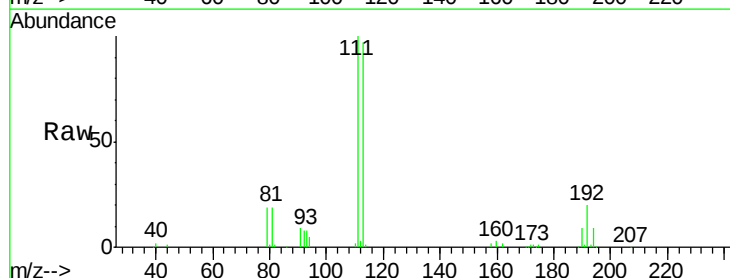
Tgt Ion:113 Resp: 215923

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

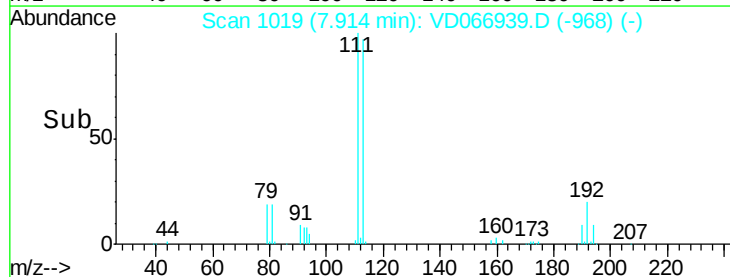
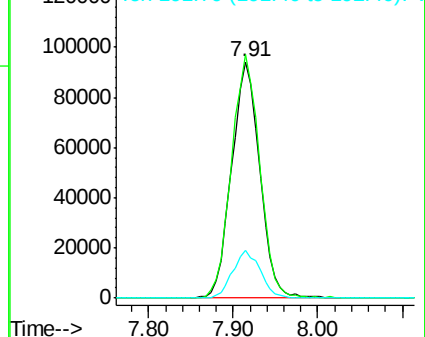
192 19.7 14.4 21.6

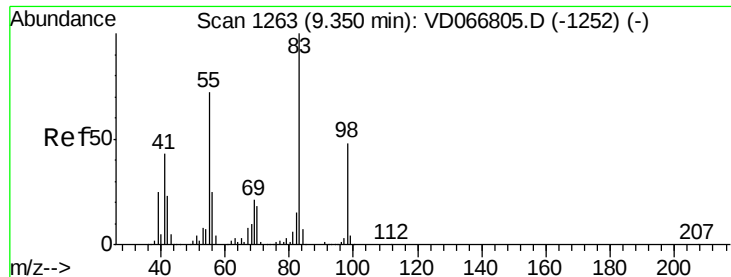


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

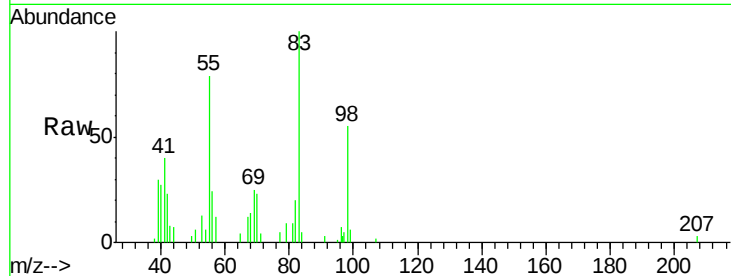




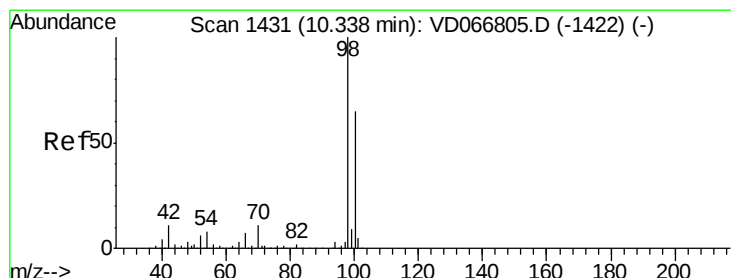
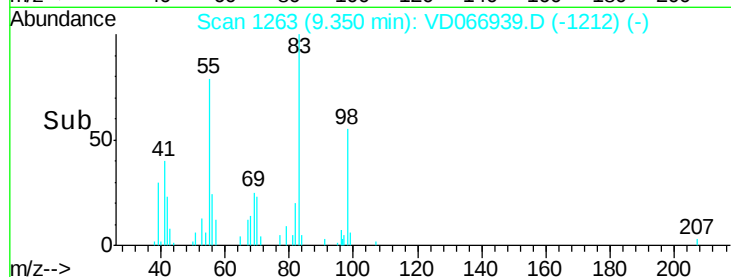
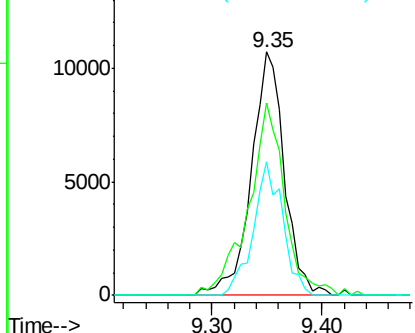
#39
Methvlcvclohexane
Concen: 2.830 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

Instrument :
MSVOA_D
ClientSampleId :
B-7(0-1)

Tot Ion: 83 Resp: 22479
Ion Ratio Lower Upper
83 100
55 79.1 57.7 86.5
98 54.7 38.4 57.6

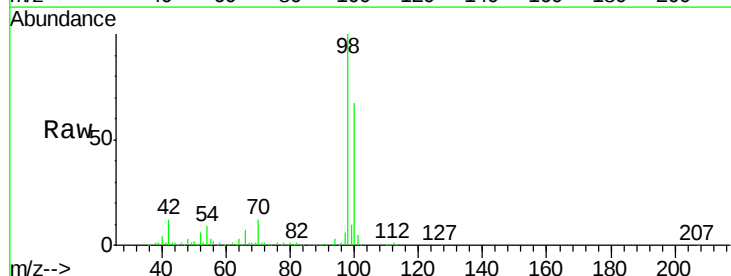


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

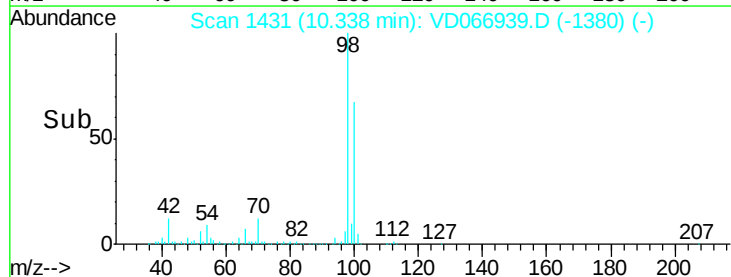
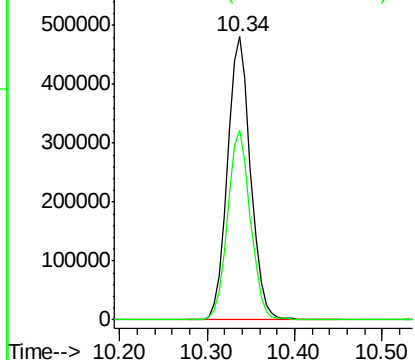


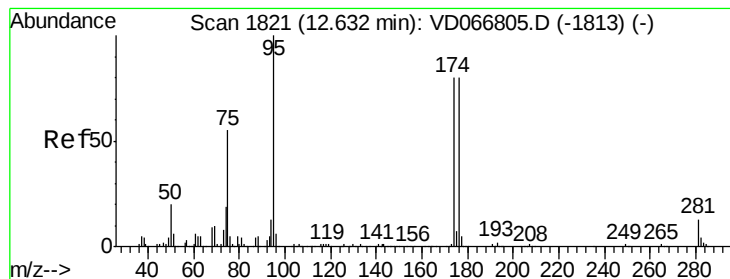
#50
Toluene-d8
Concen: 57.409 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

Tgt Ion: 98 Resp: 867774
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 67.345 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066939.D

Acq: 29 Sep 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

B-7(0-1)

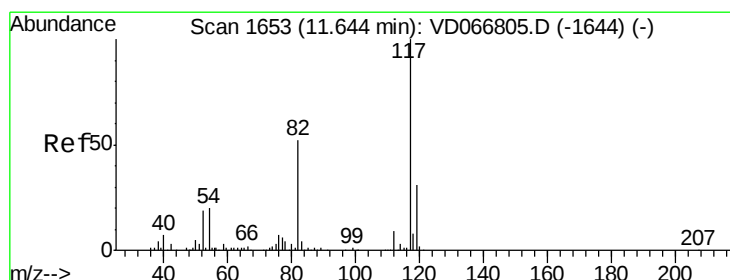
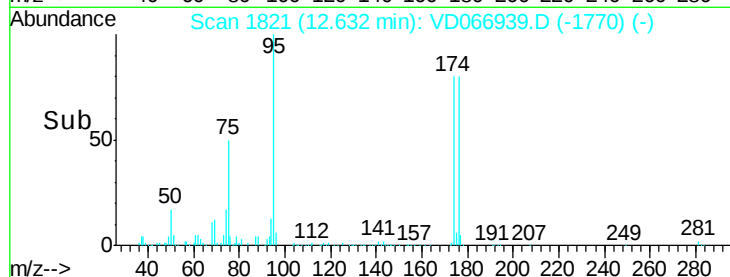
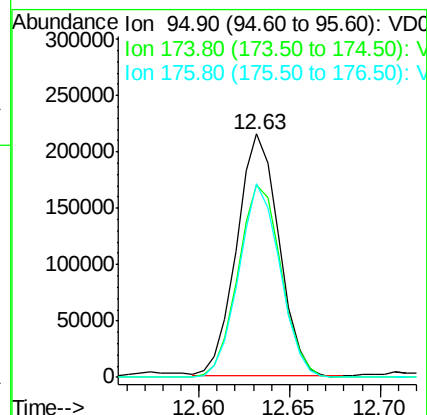
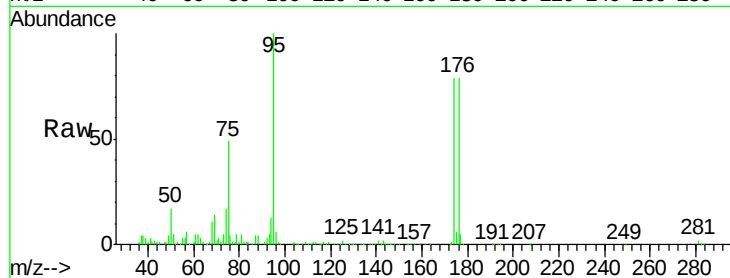
Tot Ion: 95 Resp: 348488

Ion Ratio Lower Upper

95 100

174 81.1 0.0 159.8

176 78.0 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066939.D

Acq: 29 Sep 2020 15:24

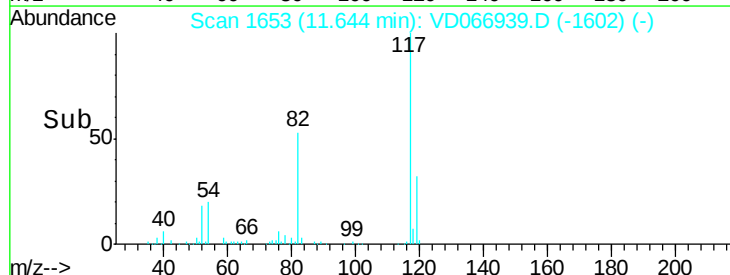
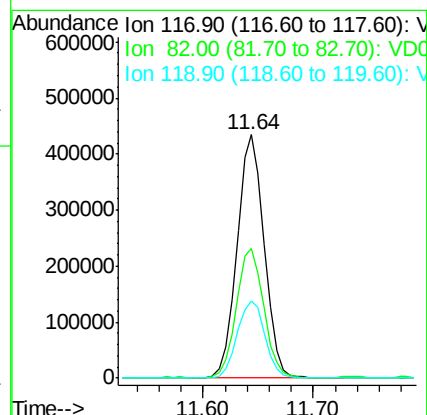
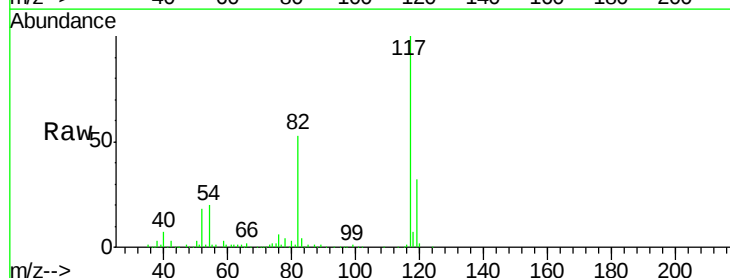
Tgt Ion: 117 Resp: 747896

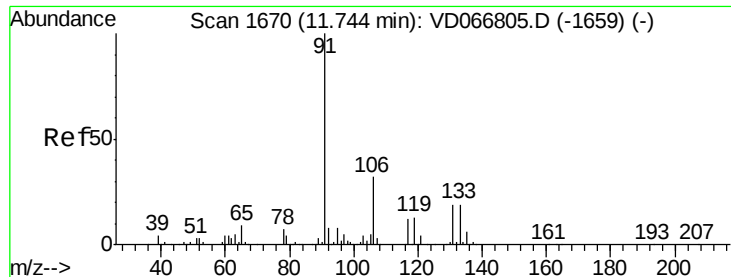
Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.6

119 31.7 24.6 37.0

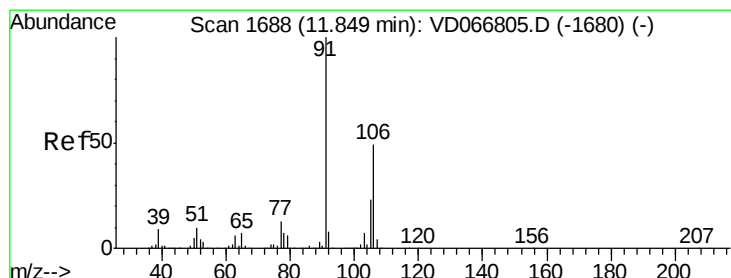
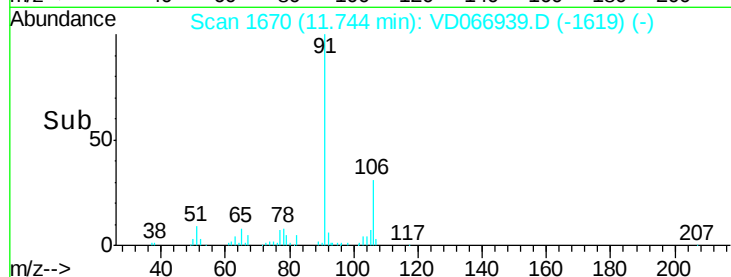
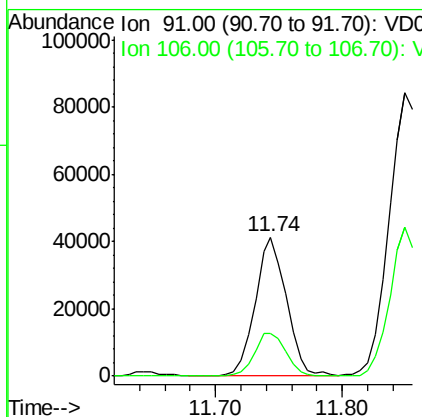
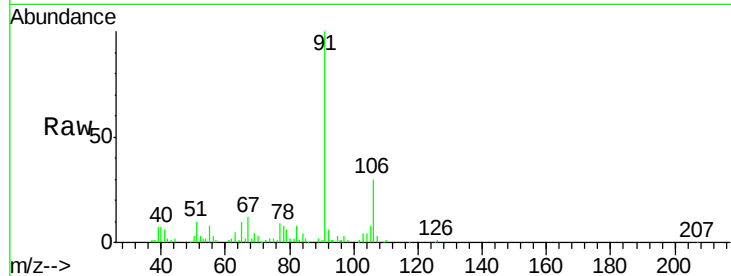




#67
Ethyl Benzene
Concen: 2.613 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

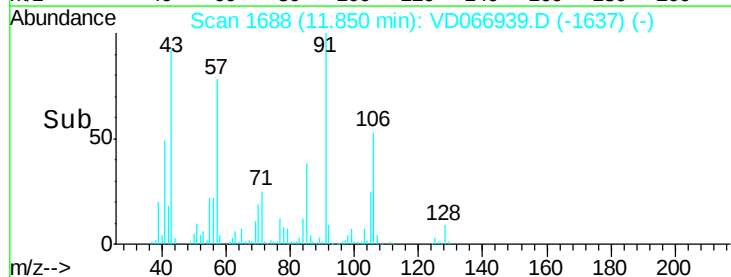
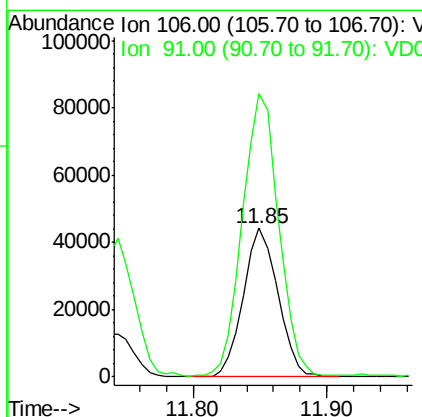
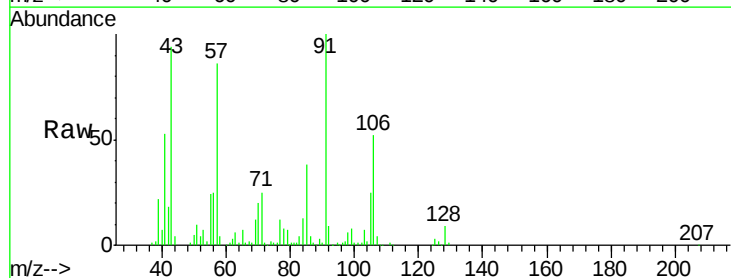
Instrument :
MSVOA_D
ClientSampleId :
B-7(0-1)

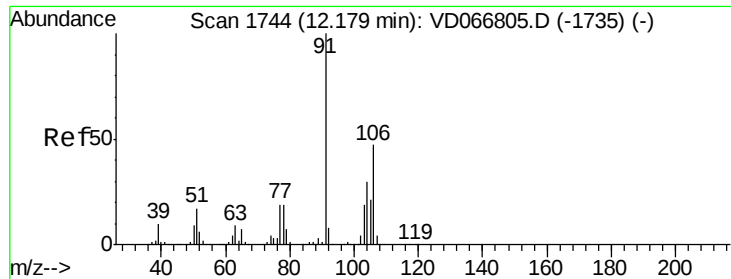
Tot Ion: 91 Resp: 71441
Ion Ratio Lower Upper
91 100
106 30.4 25.6 38.4



#68
m/p-Xylenes
Concen: 7.680 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

Tgt Ion: 106 Resp: 79502
Ion Ratio Lower Upper
106 100
91 197.9 160.7 241.1

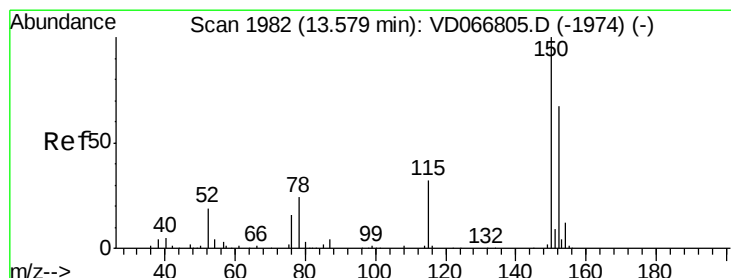
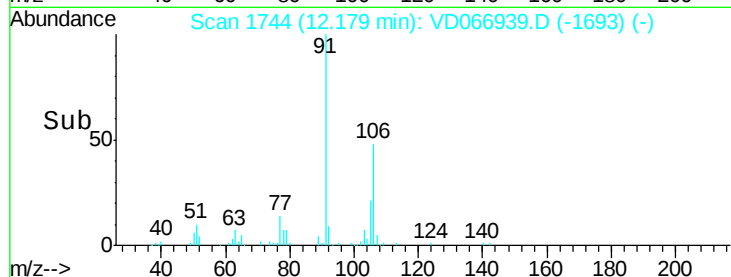
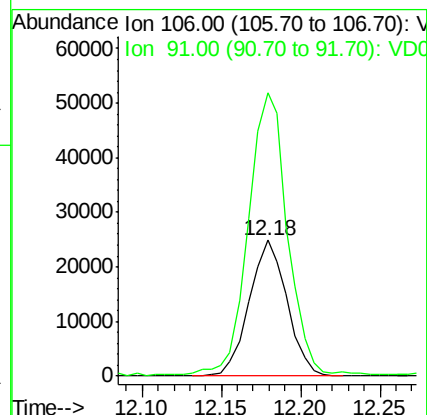
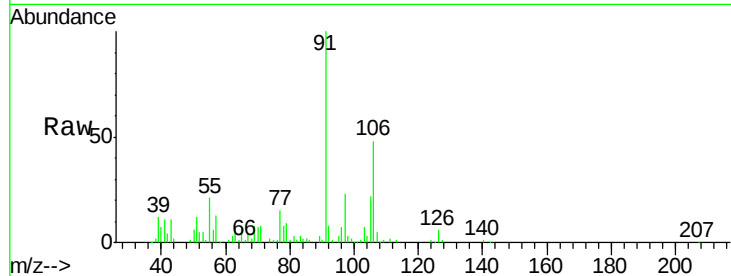




#69
o-Xylene
Concen: 4.403 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

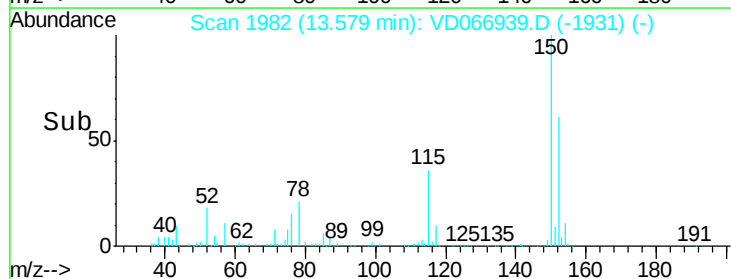
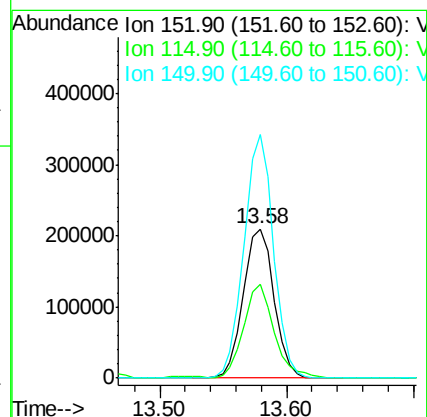
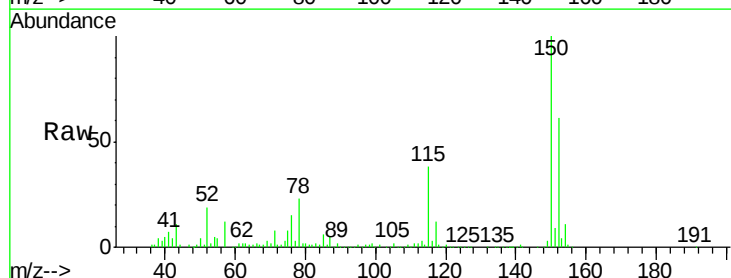
Instrument :
MSVOA_D
ClientSampled :
B-7(0-1)

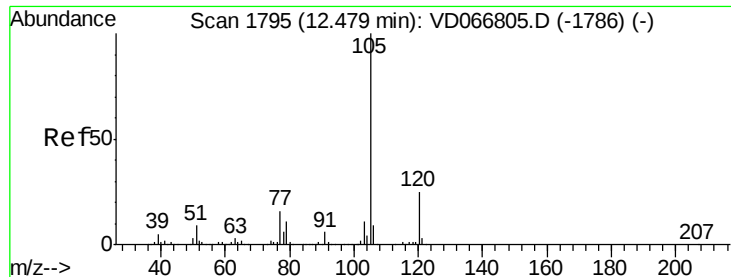
Tot Ion:106 Resp: 41215
Ion Ratio Lower Upper
106 100
91 212.4 106.3 318.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

Tgt Ion:152 Resp: 352362
Ion Ratio Lower Upper
152 100
115 62.6 30.3 91.0
150 156.4 0.0 346.2





#73

Isopropylbenzene

Concen: 1.352 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066939.D

Acq: 29 Sep 2020 15:24

Instrument :

MSVOA_D

ClientSampleID :

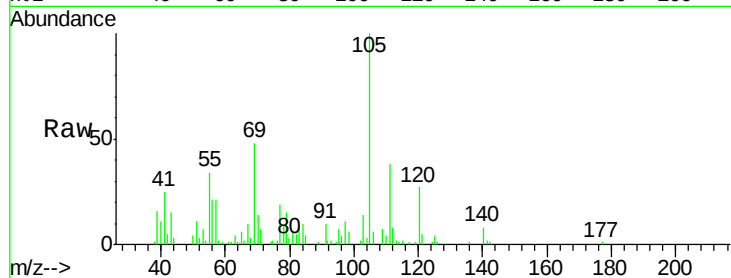
B-7(0-1)

Tot Ion:105 Resp: 34405

Ion Ratio Lower Upper

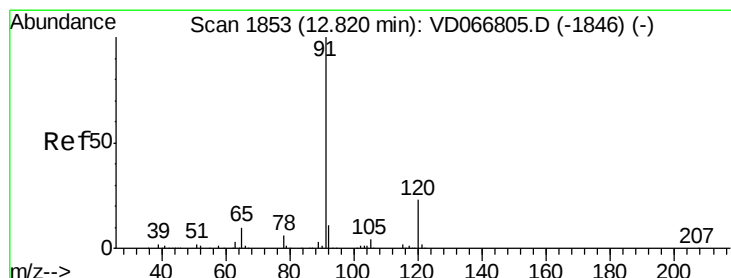
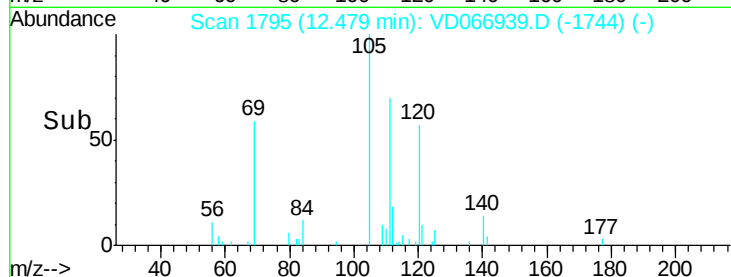
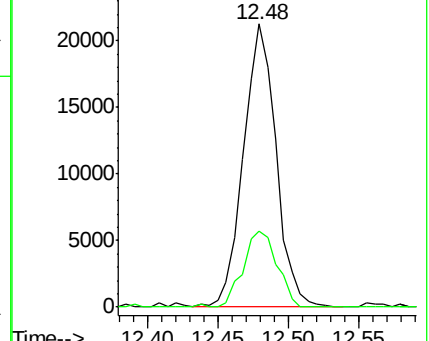
105 100

120 27.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.559 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066939.D

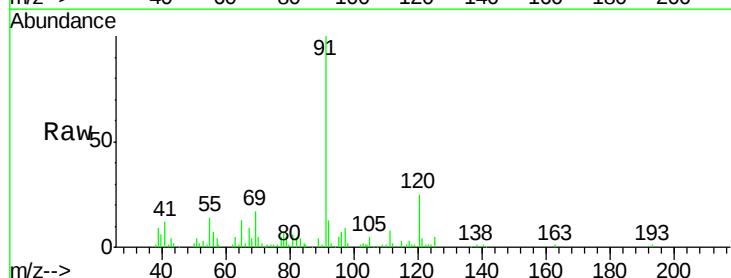
Acq: 29 Sep 2020 15:24

Tgt Ion: 91 Resp: 78368

Ion Ratio Lower Upper

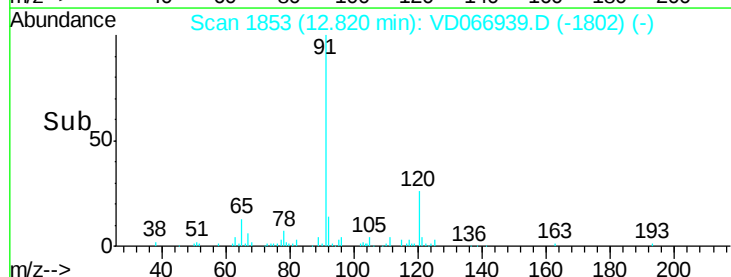
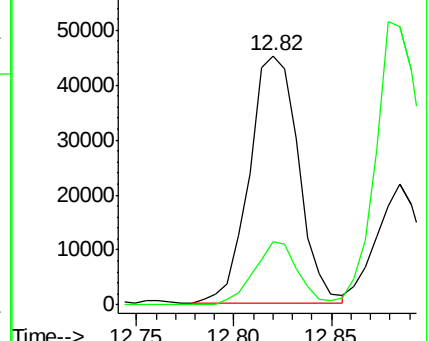
91 100

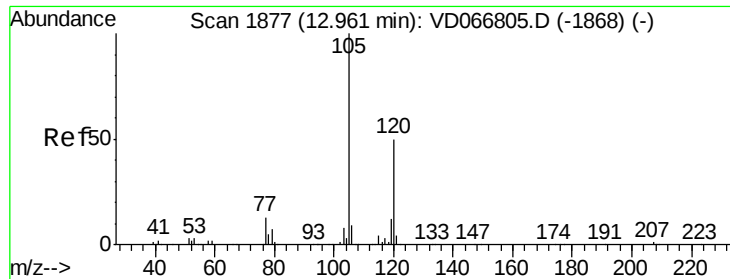
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

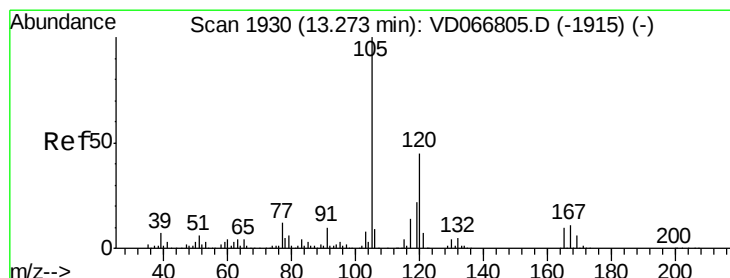
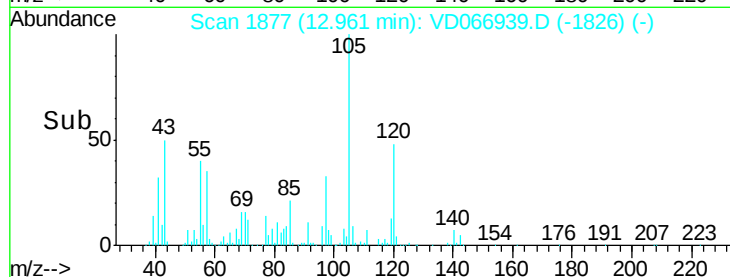
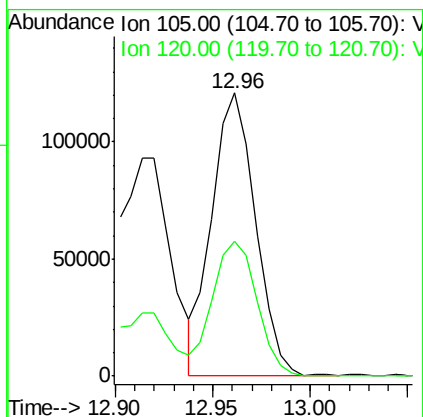
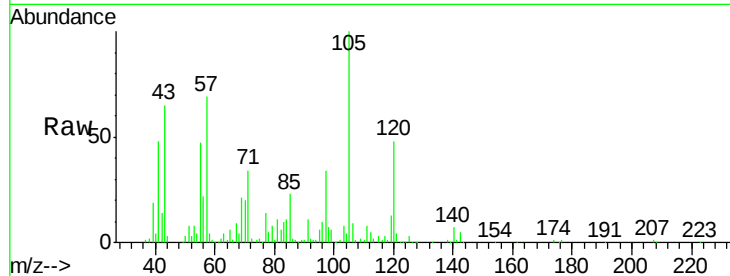




#80
 1,3,5-Trimethylbenzene
 Concen: 8.661 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066939.D
 Acq: 29 Sep 2020 15:24

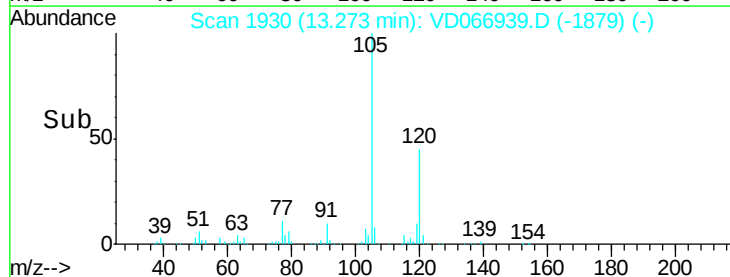
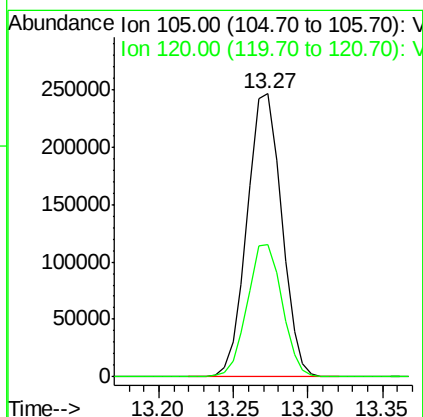
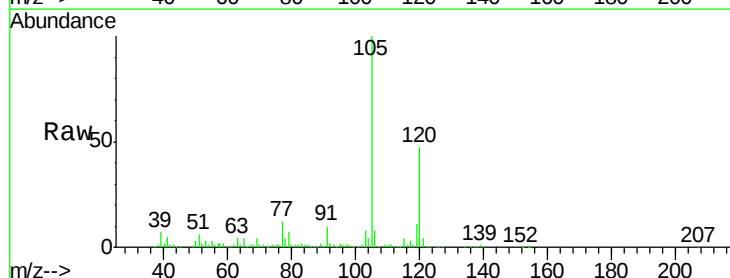
Instrument :
 MSVOA_D
 ClientSampleId :
 B-7(0-1)

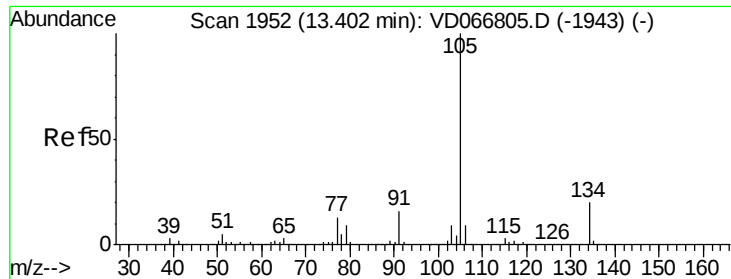
Tot Ion:105 Resp: 187068
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4



#84
 1,2,4-Trimethylbenzene
 Concen: 18.469 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066939.D
 Acq: 29 Sep 2020 15:24

Tgt Ion:105 Resp: 395558
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 2.769 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066939.D

Acq: 29 Sep 2020 15:24

Instrument :

MSVOA_D

ClientSampleId :

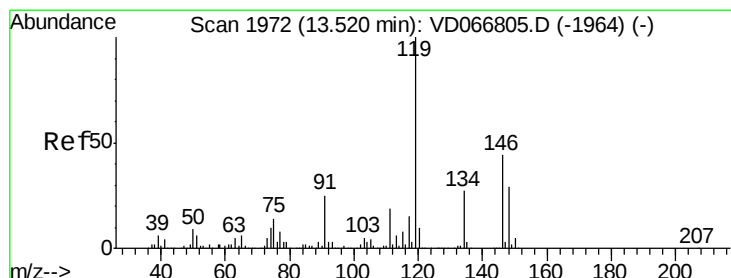
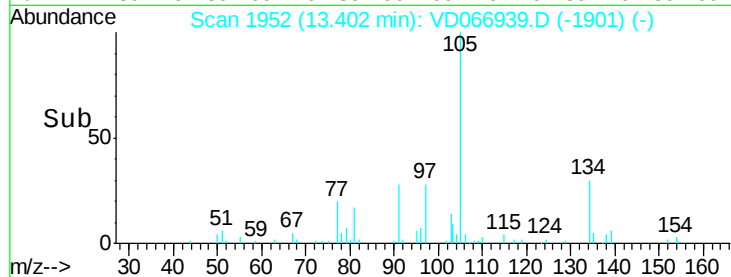
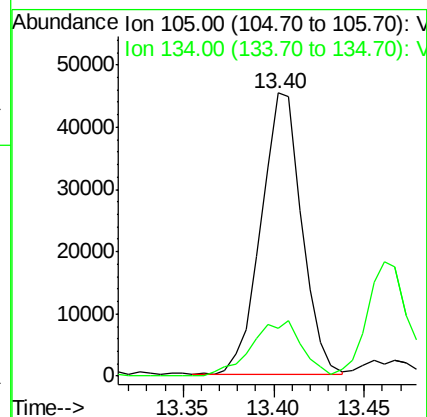
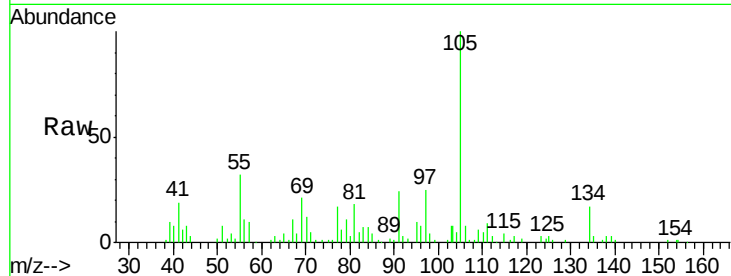
B-7(0-1)

Tot Ion:105 Resp: 70666

Ion Ratio Lower Upper

105 100

134 24.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 2.628 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066939.D

Acq: 29 Sep 2020 15:24

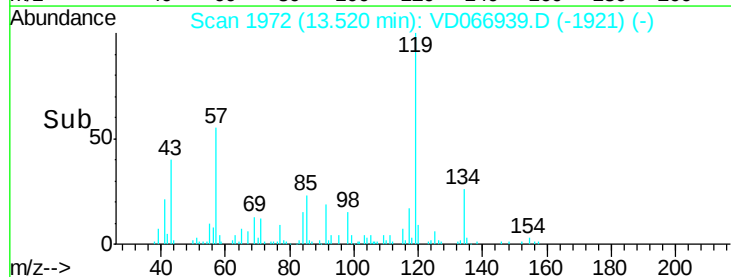
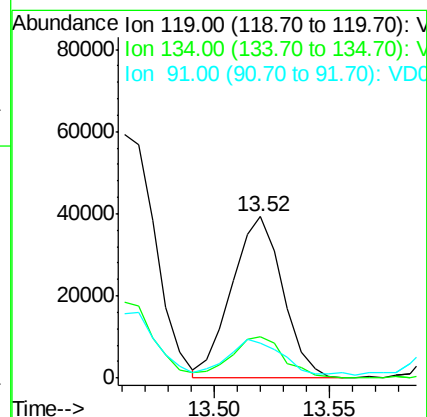
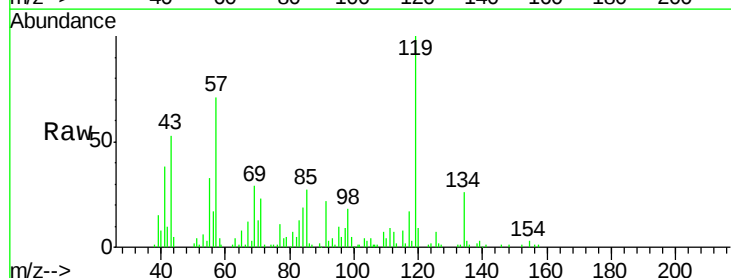
Tgt Ion:119 Resp: 60458

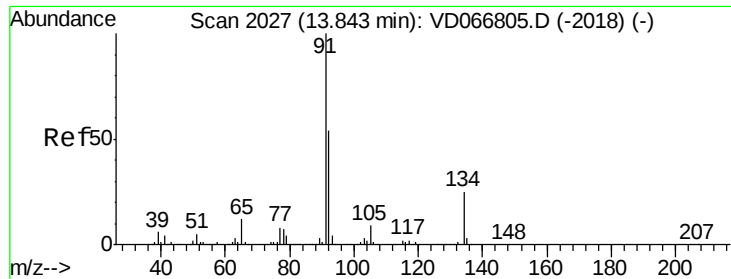
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 22.9 12.0 36.1

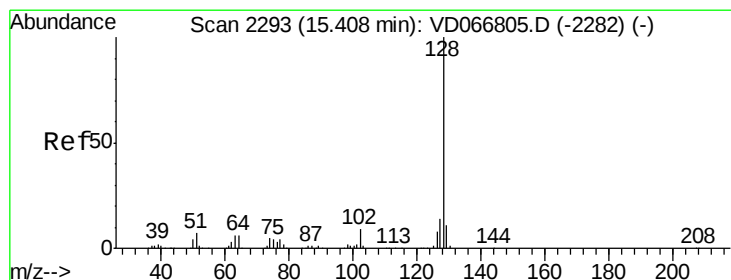
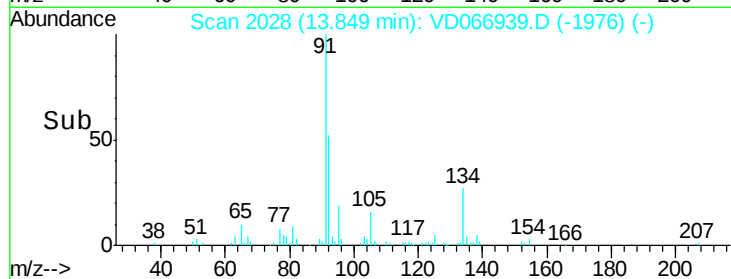
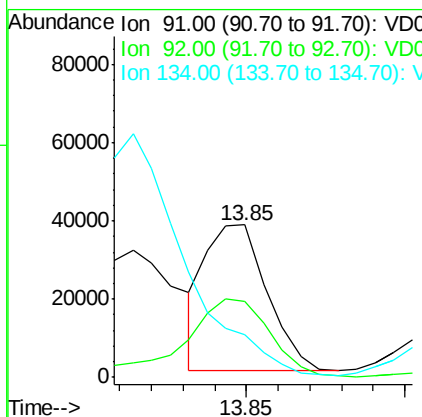
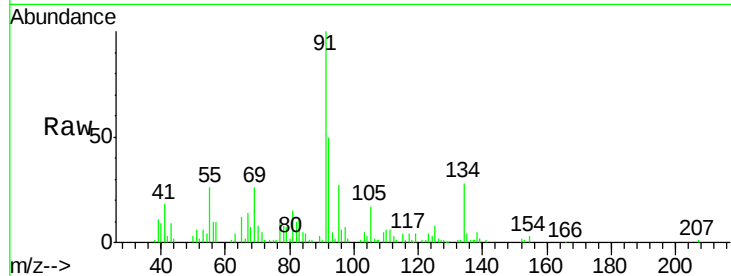




#89
n-Butylbenzene
Concen: 2.298 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

Instrument :
MSVOA_D
ClientSampled :
B-7(0-1)

Tot Ion: 91 Resp: 50240
Ion Ratio Lower Upper
91 100
92 72.9 26.7 80.0
134 0.0 13.1 39.1#



#95
Naphthalene
Concen: 16.151 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066939.D
Acq: 29 Sep 2020 15:24

Tgt Ion: 128 Resp: 173694
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 7.4 8.9 13.3#

