

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066407.D
 Acq On : 25 Aug 2020 17:29
 Operator : VA/SY
 Sample : L3787-01RE
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

Quant Time: Aug 26 08:43:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	41219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	79627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	15792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5284	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	57920	143.33	ug/l	0.00
Spiked Amount			Recovery	=	286.66%	
35) Dibromofluoromethane	7.91	113	44152	88.67	ug/l	0.00
Spiked Amount			Recovery	=	177.34%	
50) Toluene-d8	10.33	98	33953	18.64	ug/l	0.00
Spiked Amount			Recovery	=	37.28%	
62) 4-Bromofluorobenzene	12.63	95	4228	6.54	ug/l	0.00
Spiked Amount			Recovery	=	13.08%	

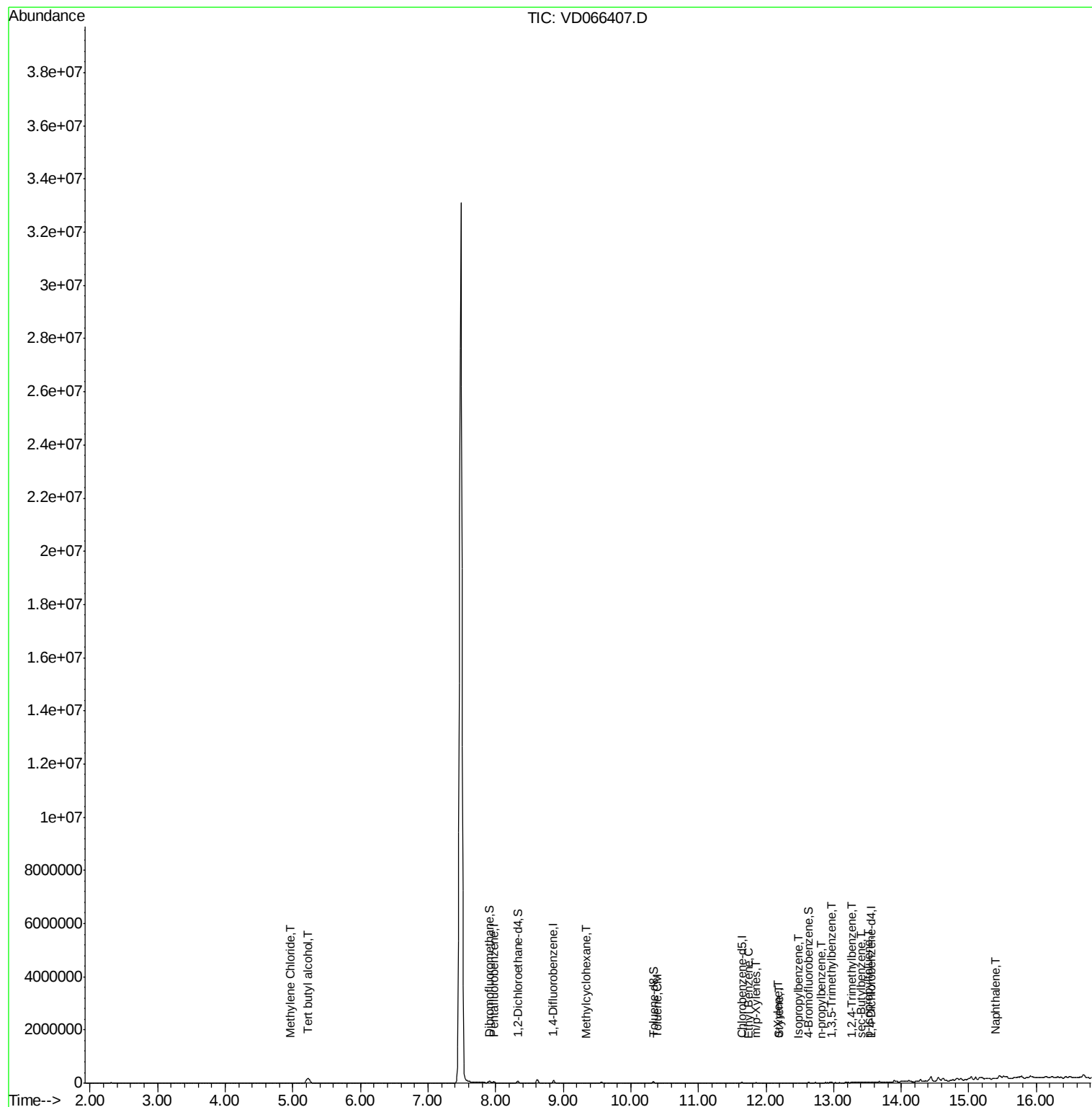
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	345072	18016.511	ug/l	99
20) Methylene Chloride	4.96	84	8762	18.519	ug/l #	90
39) Methylcyclohexane	9.34	83	1849	2.160	ug/l #	68
52) Toluene	10.40	92	5317	4.106	ug/l	89
67) Ethyl Benzene	11.75	91	2786	5.038	ug/l #	81
68) m/p-Xylenes	11.84	106	3954	18.758	ug/l	82
69) o-Xylene	12.18	106	2272	11.586	ug/l	99
70) Styrene	12.20	104	1819	5.402	ug/l #	75
73) Isopropylbenzene	12.48	105	1310	3.701	ug/l	86
78) n-propylbenzene	12.82	91	2329	5.738	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	4618	15.110	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	11035	36.761	ug/l	91
85) sec-Butylbenzene	13.41	105	3279	9.428	ug/l	79
86) p-Isopropyltoluene	13.52	119	2496	7.443	ug/l	85
95) Naphthalene	15.40	128	9988	56.421	ug/l #	80

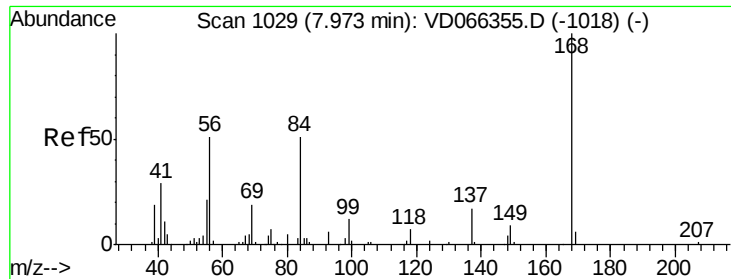
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

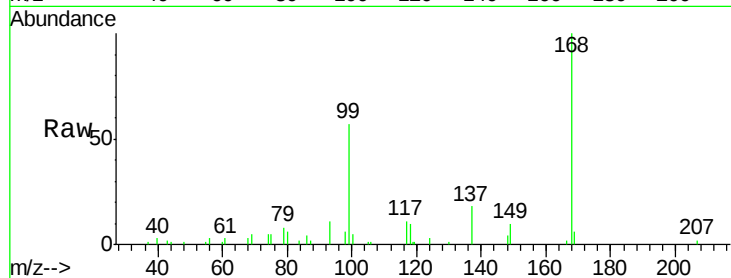
20071RE

Tot Ion:168 Resp: 41219

Ion Ratio Lower Upper

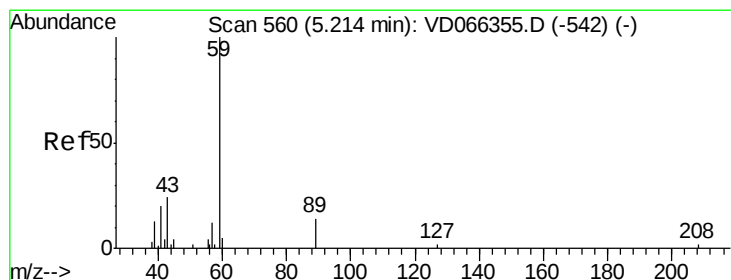
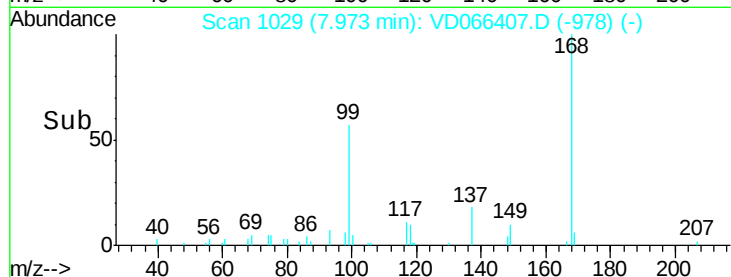
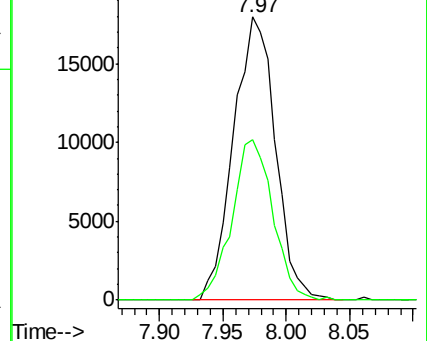
168 100

99 56.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 18016.511 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD066407.D

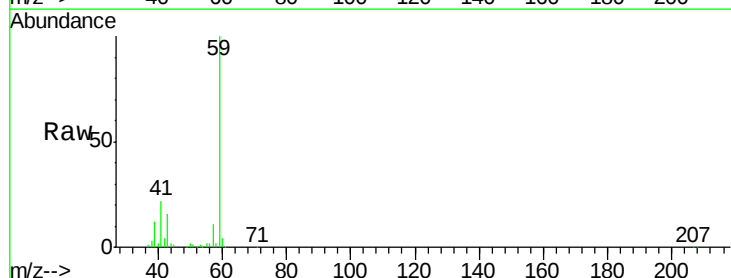
Acq: 25 Aug 2020 17:29

Tgt Ion: 59 Resp: 345072

Ion Ratio Lower Upper

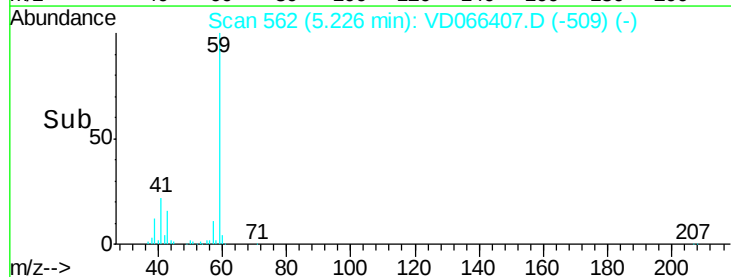
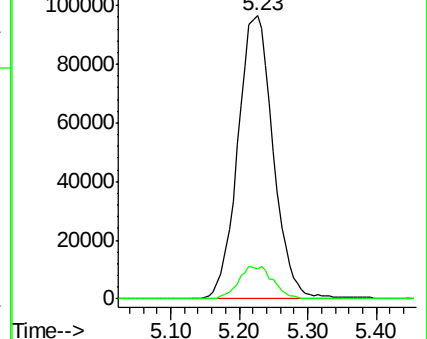
59 100

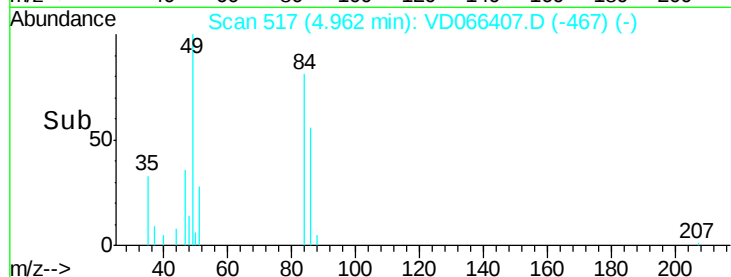
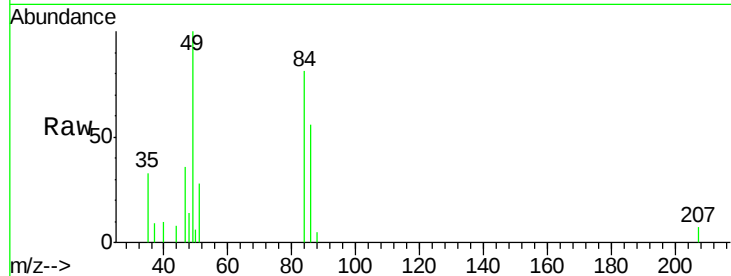
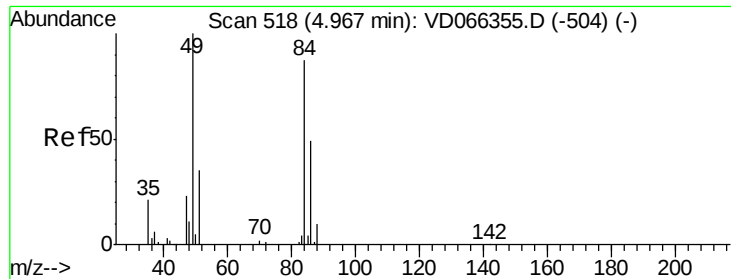
57 11.4 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

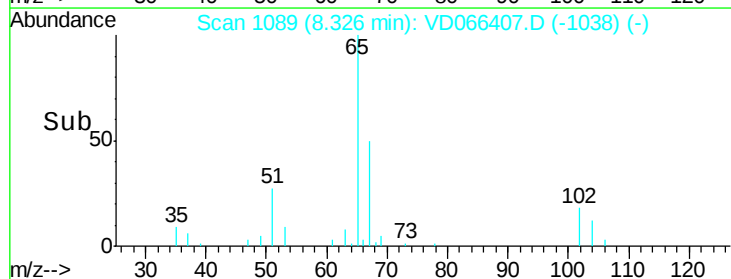
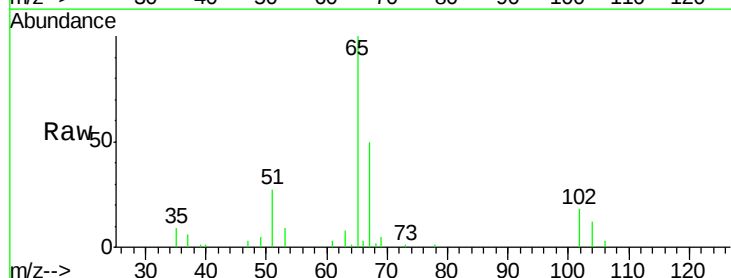
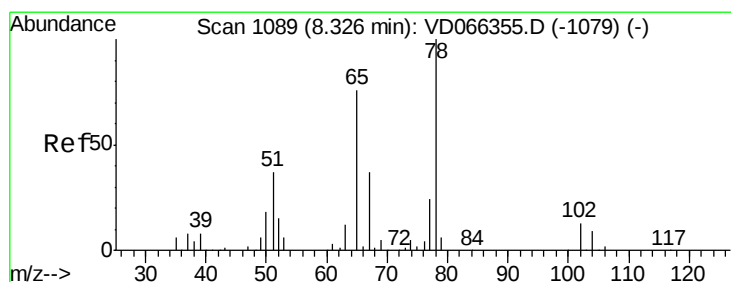
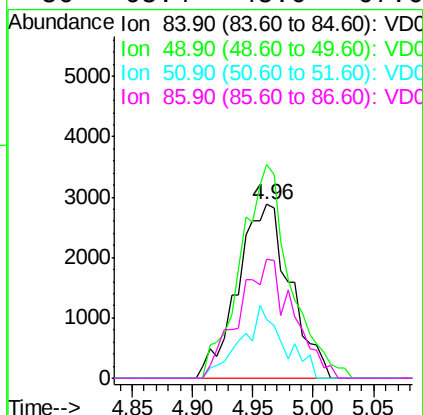




#20
Methylene Chloride
Concen: 18.519 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

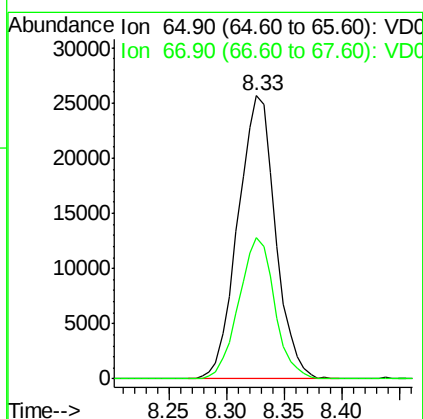
Instrument :
MSVOA_D
ClientSampled :
20071RE

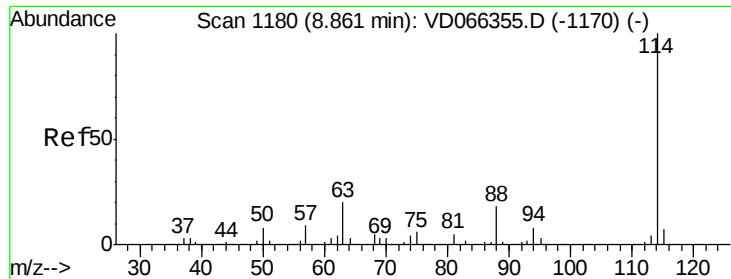
Tot Ion: 84 Resp: 8762
Ion Ratio Lower Upper
84 100
49 123.0 92.5 138.7
51 34.1 32.5 48.7
86 68.4 45.0 67.6#



#33
1,2-Dichloroethane-d4
Concen: 143.328 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 65 Resp: 57920
Ion Ratio Lower Upper
65 100
67 47.7 0.0 101.6

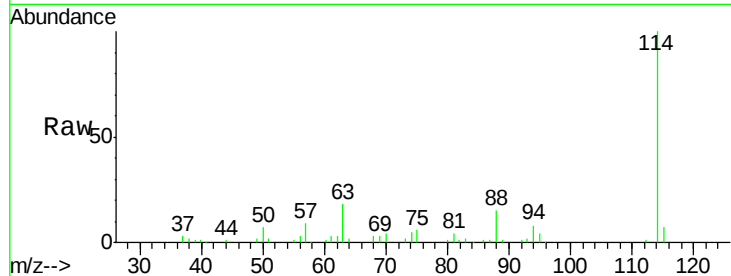




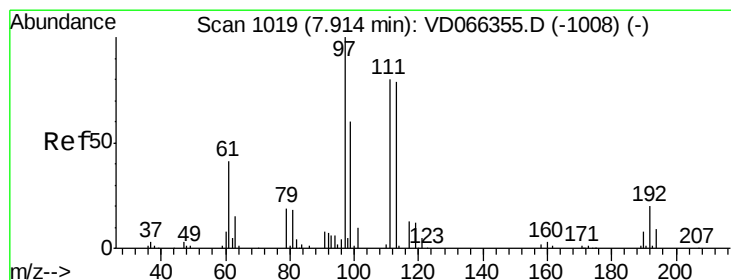
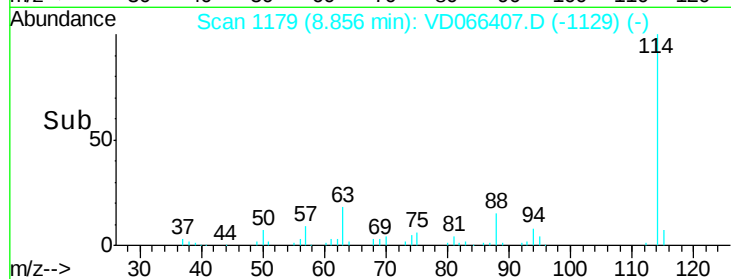
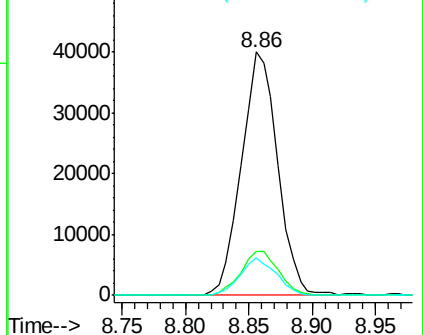
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	40.8
88	15.4	0.0	35.4

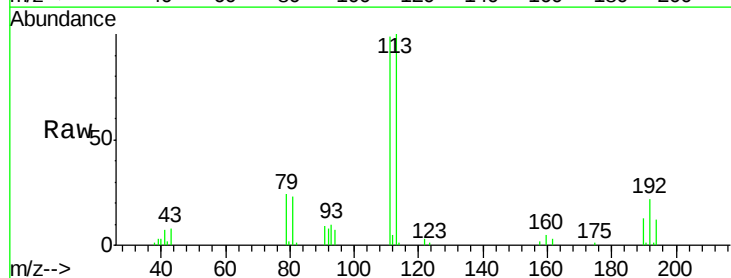


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

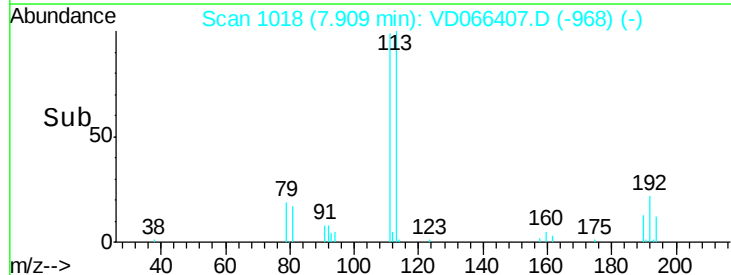
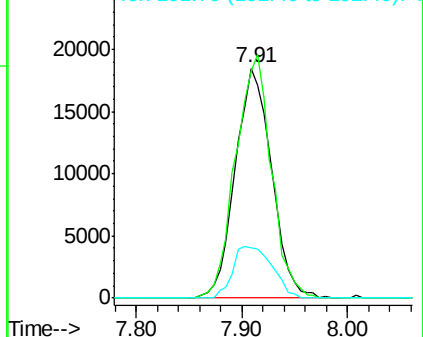


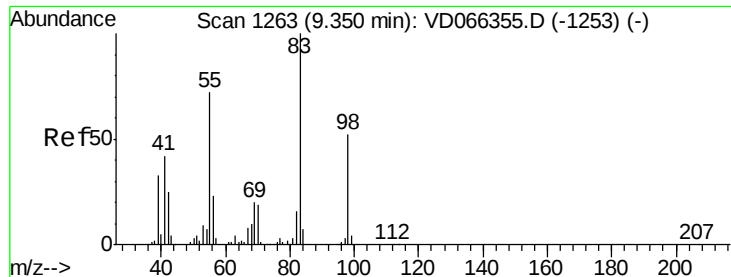
#35
 Dibromofluoromethane
 Concen: 88.674 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.3	120.5
192	24.2	19.0	28.6



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

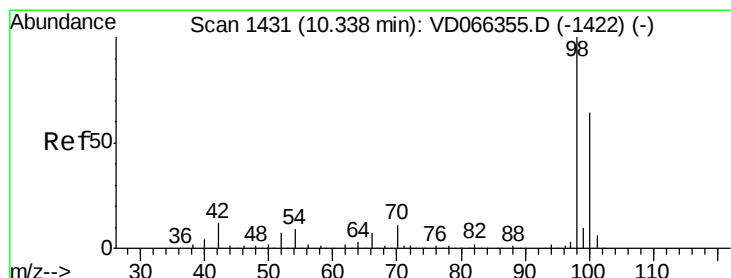
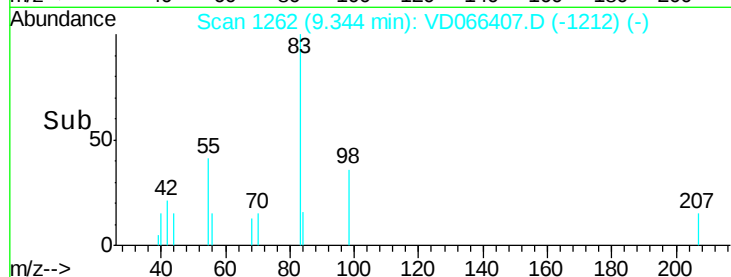
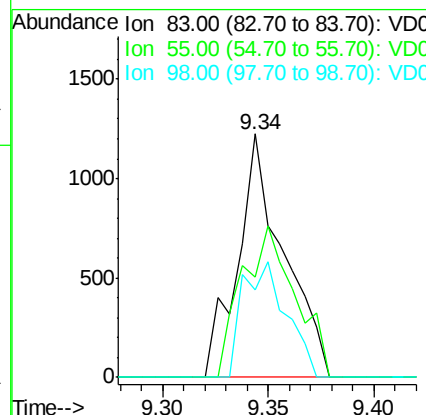
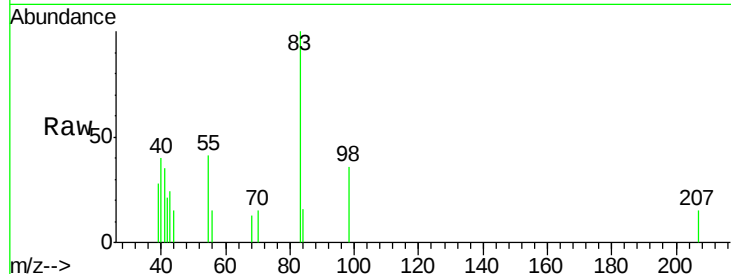




#39
Methvlcvclohexane
Concen: 2.160 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

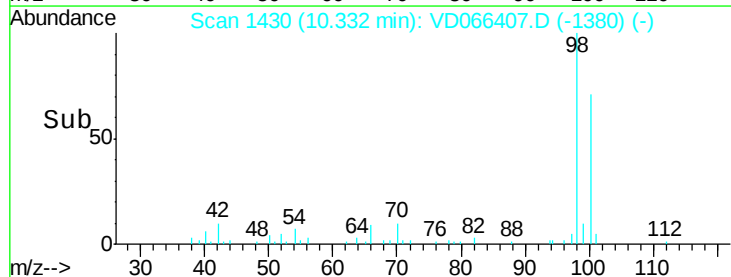
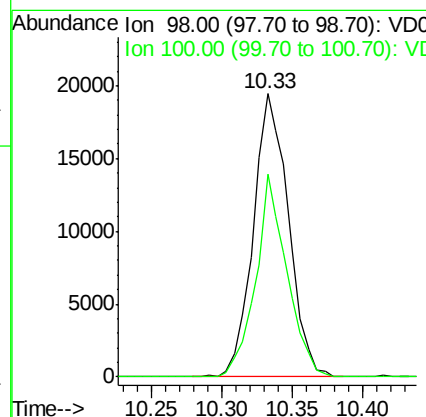
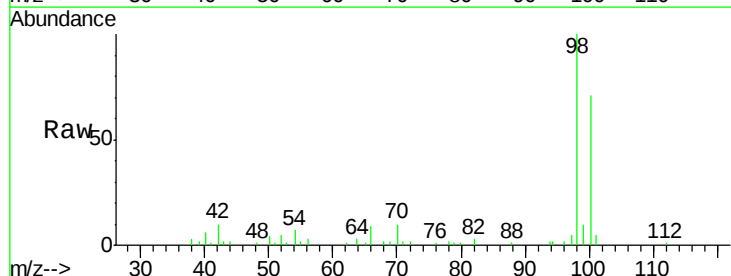
Instrument :
MSVOA_D
ClientSampleId :
20071RE

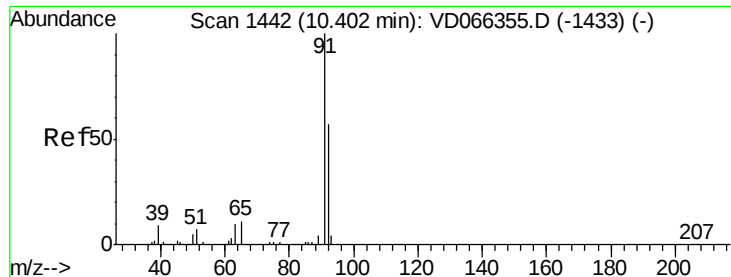
Tot Ion: 83 Resp: 1849
Ion Ratio Lower Upper
83 100
55 41.2 58.0 87.0#
98 35.9 41.9 62.9#



#50
Toluene-d8
Concen: 18.637 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 98 Resp: 33953
Ion Ratio Lower Upper
98 100
100 63.4 53.0 79.4





#52

Toluene

Concen: 4.106 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

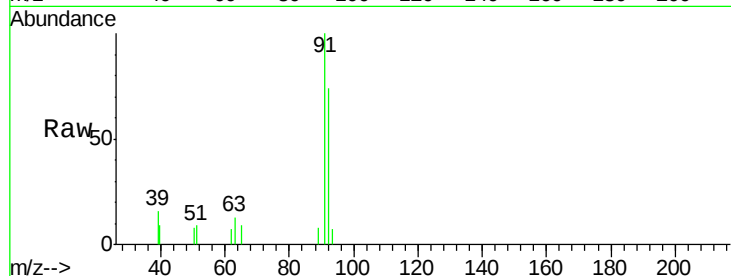
20071RE

Tot Ion: 92 Resp: 5317

Ion Ratio Lower Upper

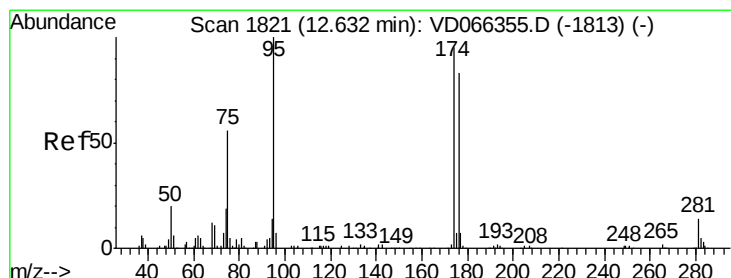
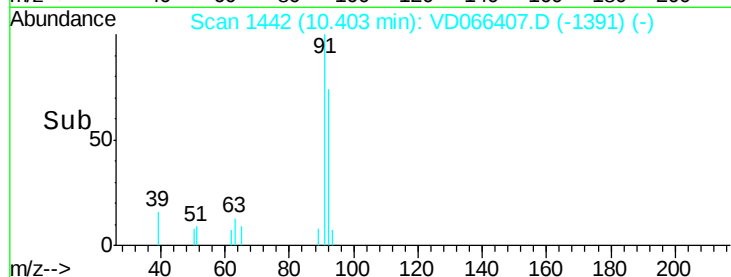
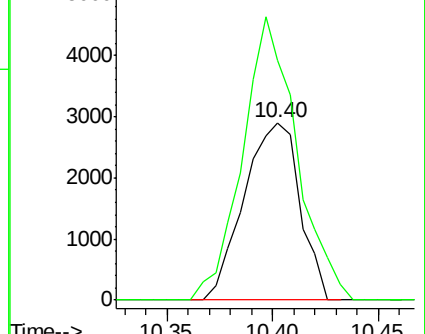
92 100

91 154.7 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 6.540 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. -0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

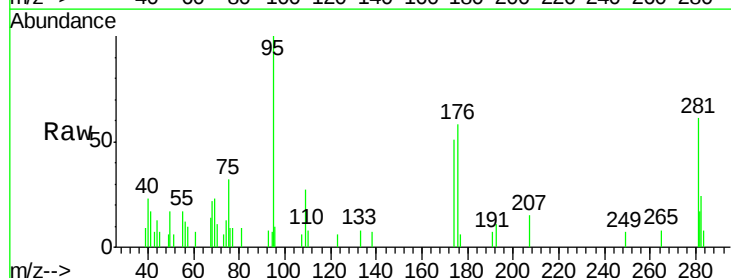
Tgt Ion: 95 Resp: 4228

Ion Ratio Lower Upper

95 100

174 84.2 0.0 183.4

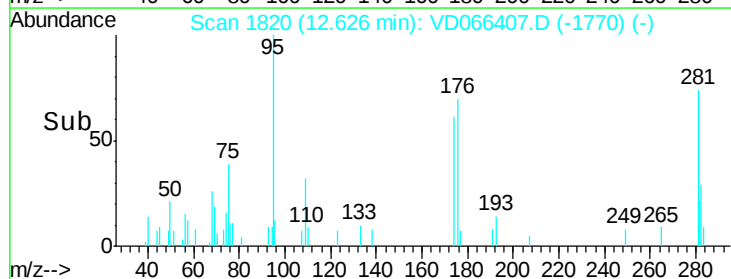
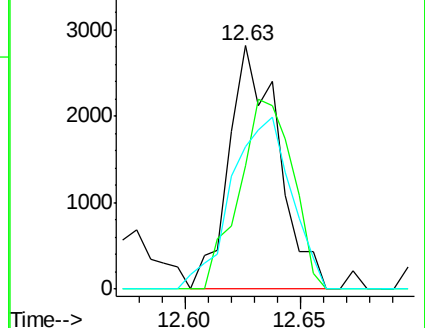
176 84.9 0.0 173.8

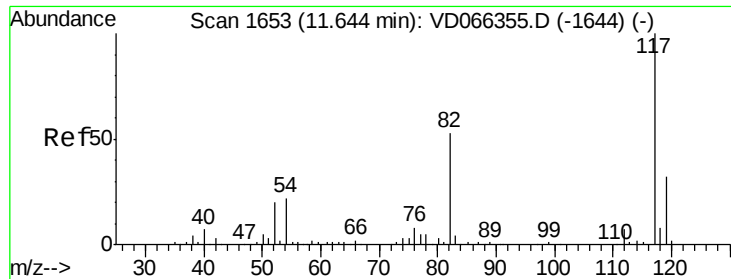


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

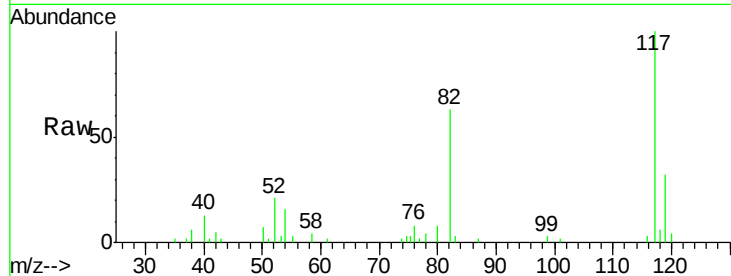




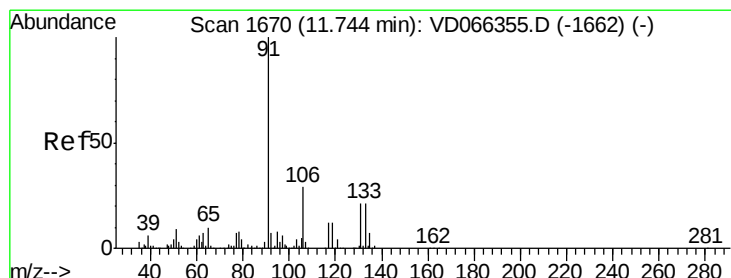
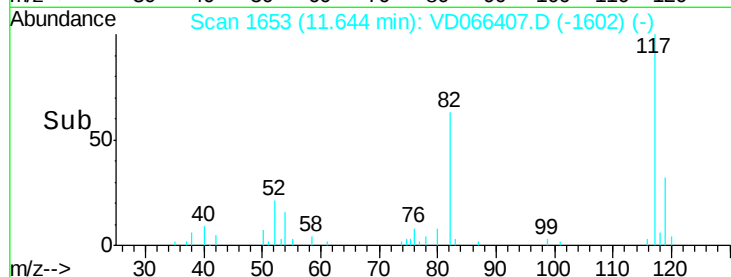
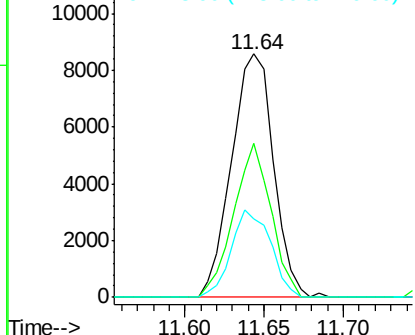
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion:117 Resp: 15792
Ion Ratio Lower Upper
117 100
82 63.1 42.8 64.2
119 32.2 25.8 38.8

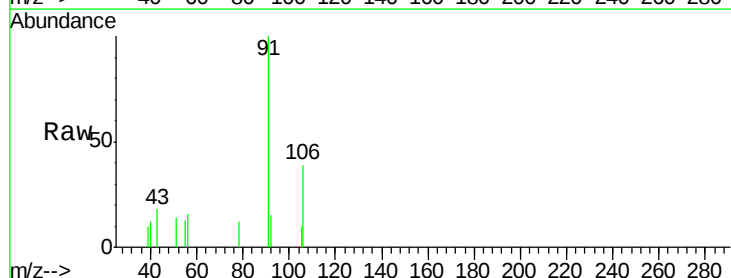


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

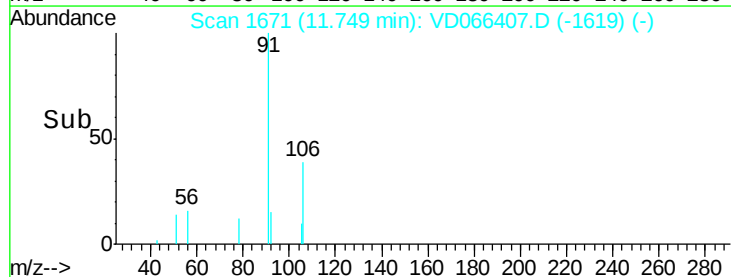
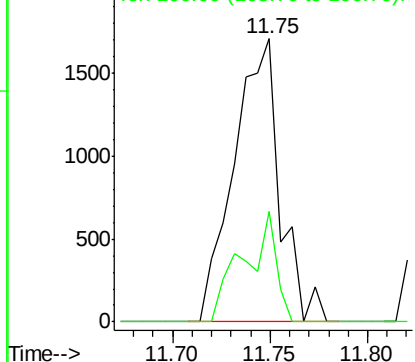


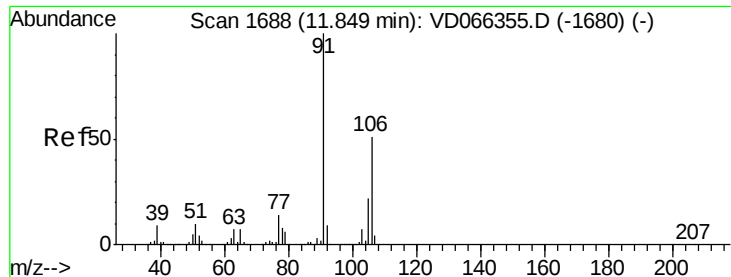
#67
Ethyl Benzene
Concen: 5.038 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion: 91 Resp: 2786
Ion Ratio Lower Upper
91 100
106 39.3 23.4 35.2#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V

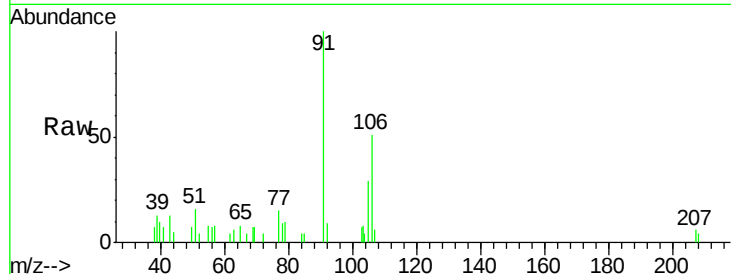




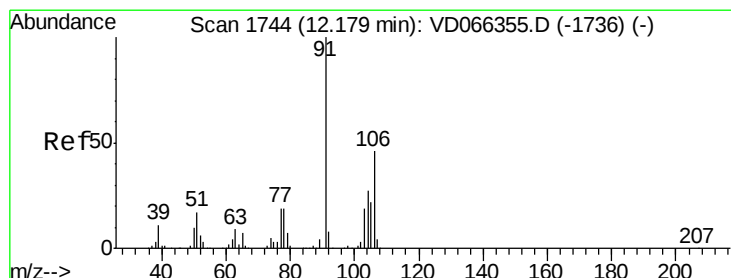
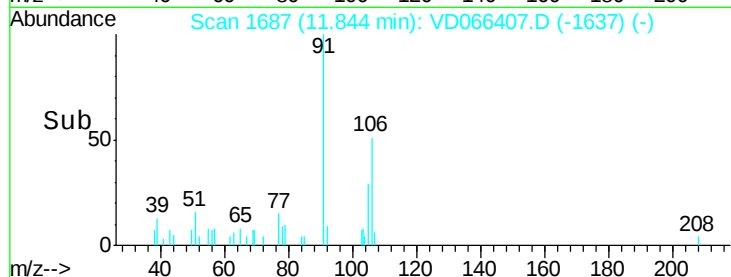
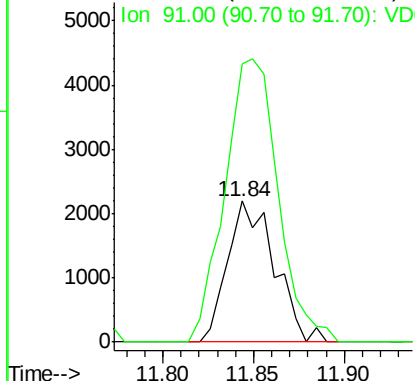
#68
m/p-Xylenes
Concen: 18.758 ug/l
RT: 11.84 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion:106 Resp: 3954
Ion Ratio Lower Upper
106 100
91 227.6 160.7 241.1

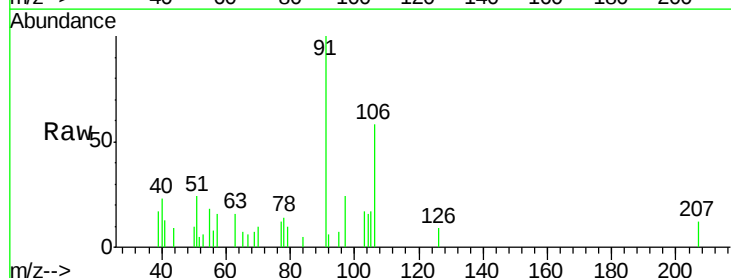


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

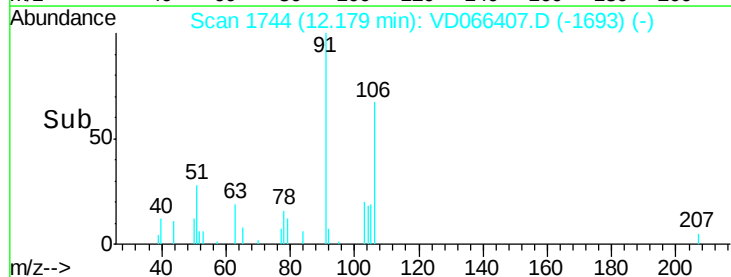
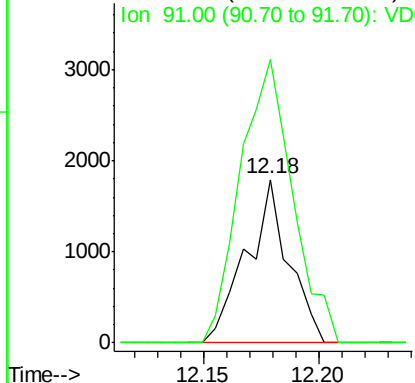


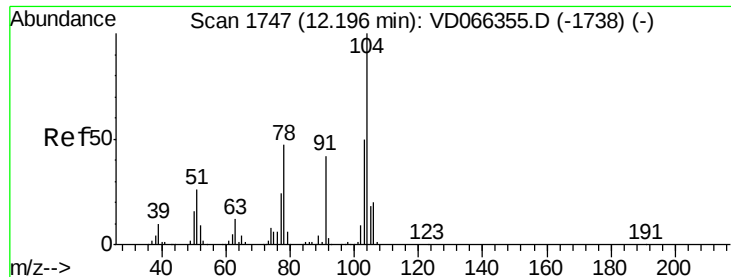
#69
o-Xylene
Concen: 11.586 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion:106 Resp: 2272
Ion Ratio Lower Upper
106 100
91 216.2 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

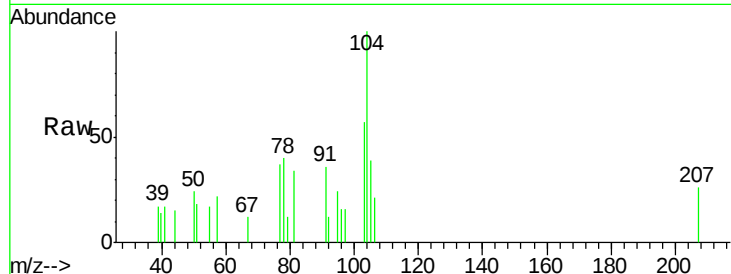




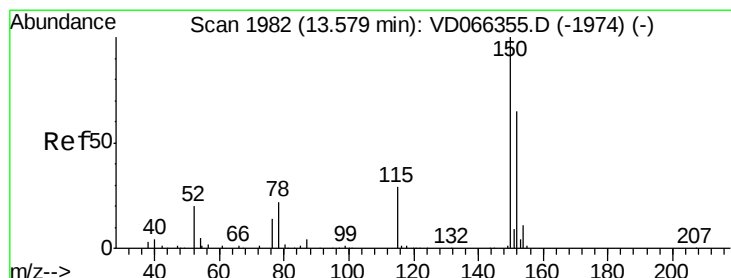
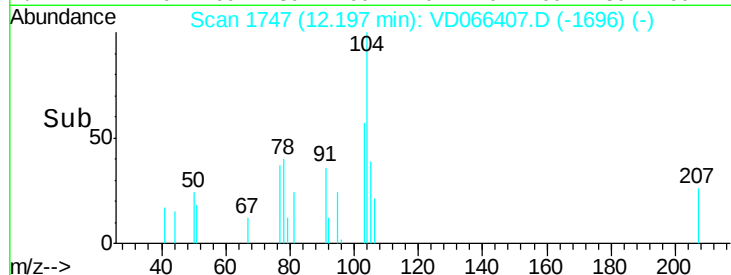
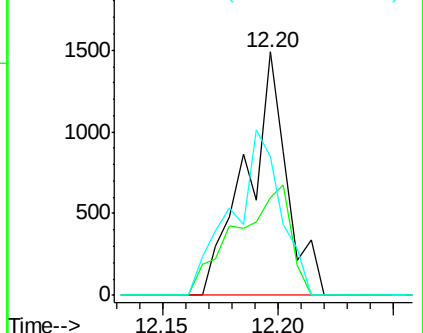
#70
Stvrene
Concen: 5.402 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion:104 Resp: 1819
Ion Ratio Lower Upper
104 100
78 61.1 41.7 62.5
103 81.0 43.5 65.3#

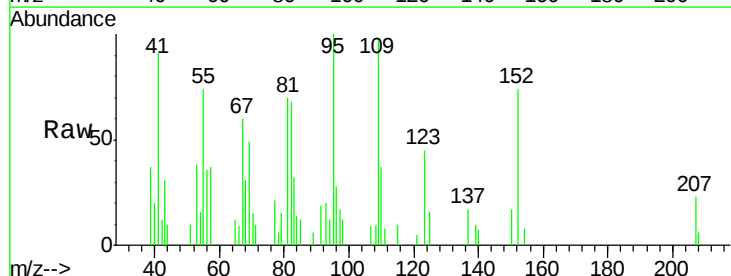


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

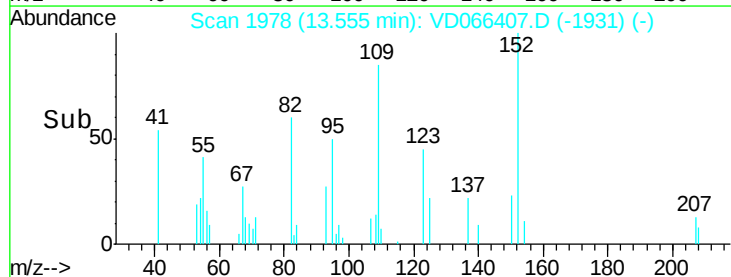
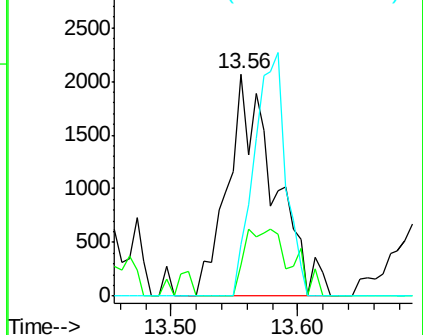


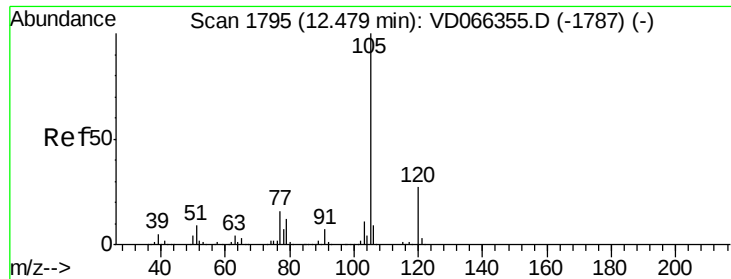
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1978
Delta R.T. -0.02 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Tgt Ion:152 Resp: 5284
Ion Ratio Lower Upper
152 100
115 30.0 28.3 85.0
150 0.0 0.0 343.2



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: 3.701 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

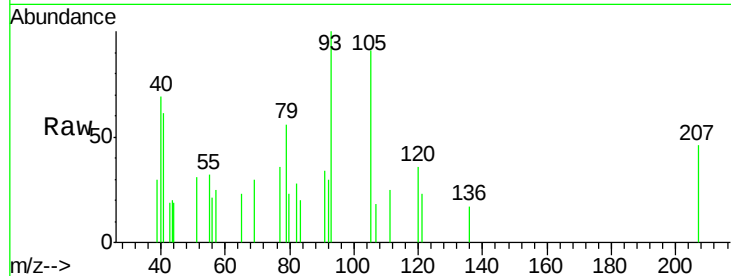
20071RE

Tot Ion: 105 Resp: 1310

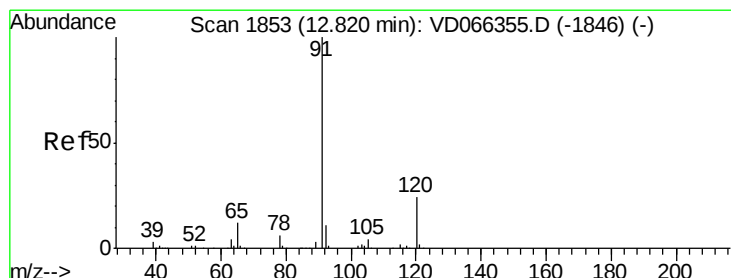
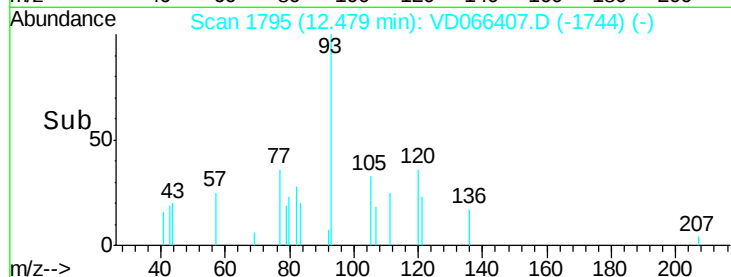
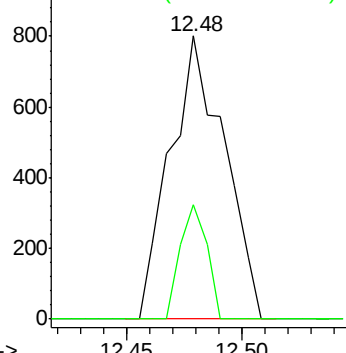
Ion Ratio Lower Upper

105 100

120 20.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V



#78

n-propylbenzene

Concen: 5.738 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066407.D

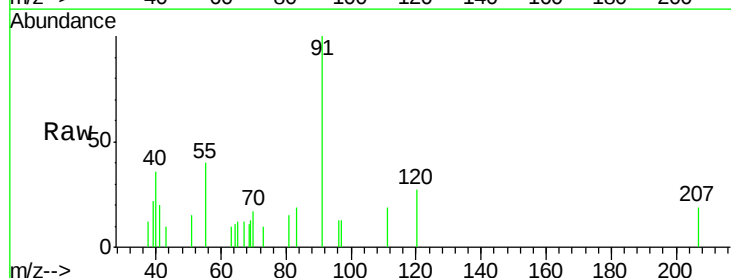
Acq: 25 Aug 2020 17:29

Tgt Ion: 91 Resp: 2329

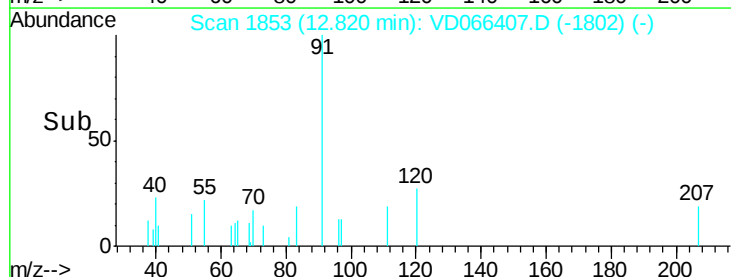
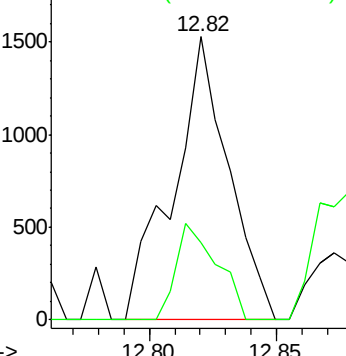
Ion Ratio Lower Upper

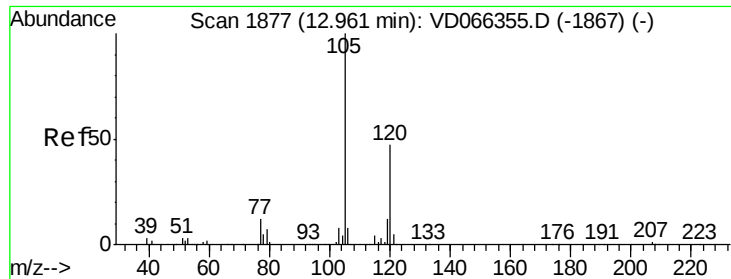
91 100

120 25.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

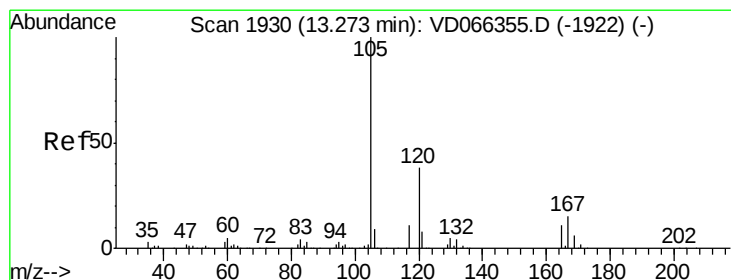
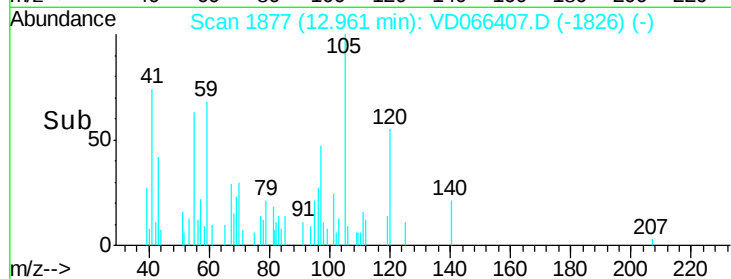
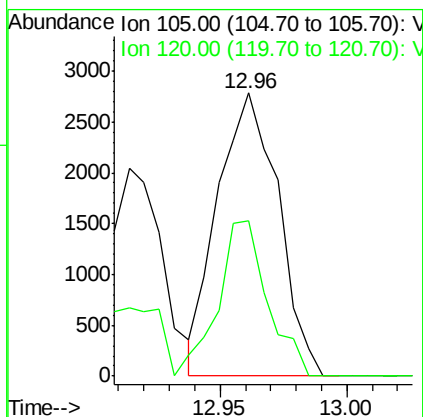
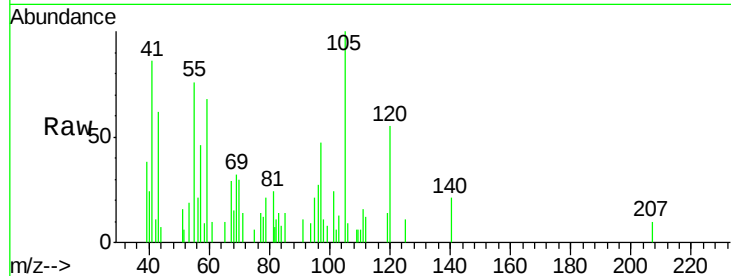




#80
 1,3,5-Trimethylbenzene
 Concen: 15.110 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

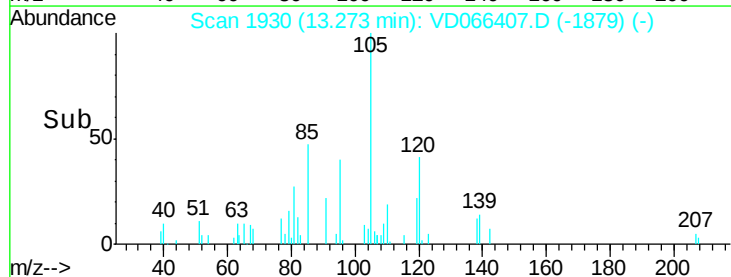
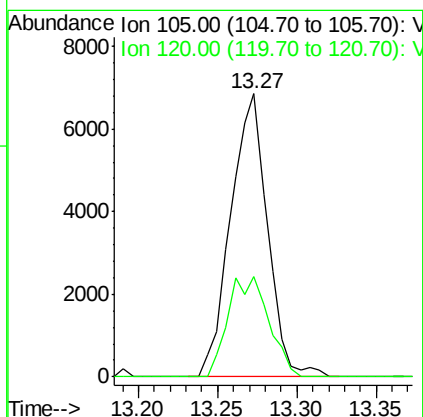
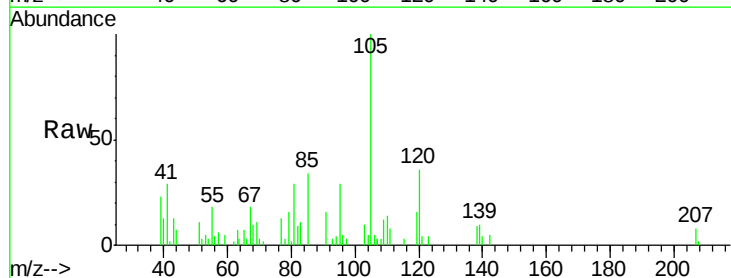
Instrument :
 MSVOA_D
 ClientSampleId :
 20071RE

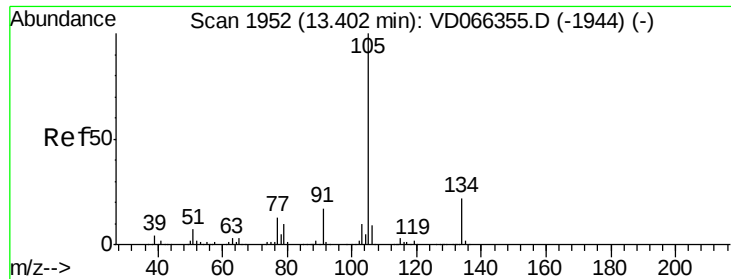
Tot Ion:105 Resp: 4618
 Ion Ratio Lower Upper
 105 100
 120 44.9 24.1 72.2



#84
 1,2,4-Trimethylbenzene
 Concen: 36.761 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066407.D
 Acq: 25 Aug 2020 17:29

Tgt Ion:105 Resp: 11035
 Ion Ratio Lower Upper
 105 100
 120 39.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 9.428 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

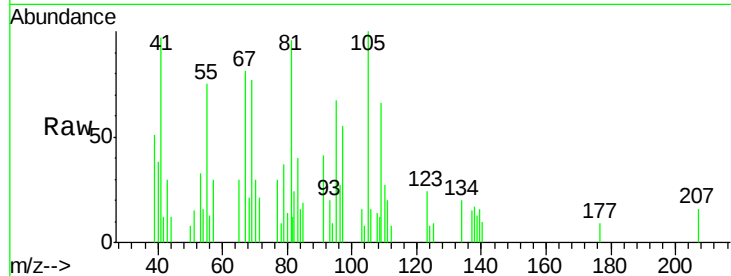
20071RE

Tot Ion:105 Resp: 3279

Ion Ratio Lower Upper

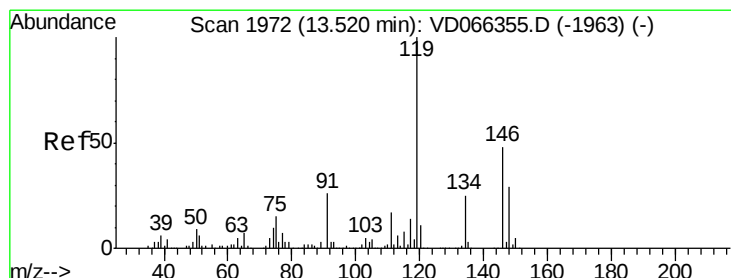
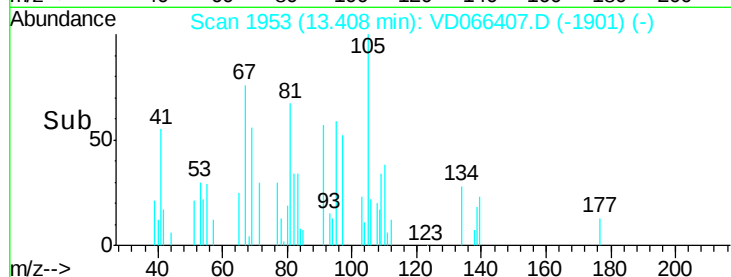
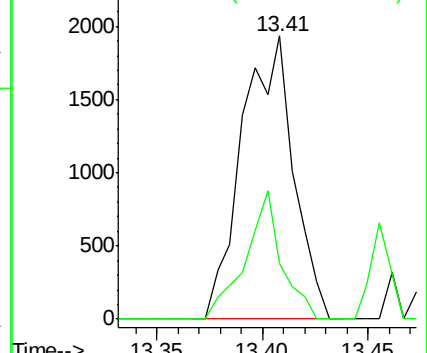
105 100

134 31.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 7.443 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066407.D

Acq: 25 Aug 2020 17:29

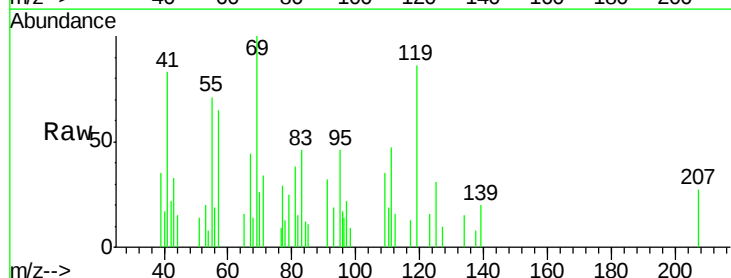
Tgt Ion:119 Resp: 2496

Ion Ratio Lower Upper

119 100

134 21.6 12.8 38.3

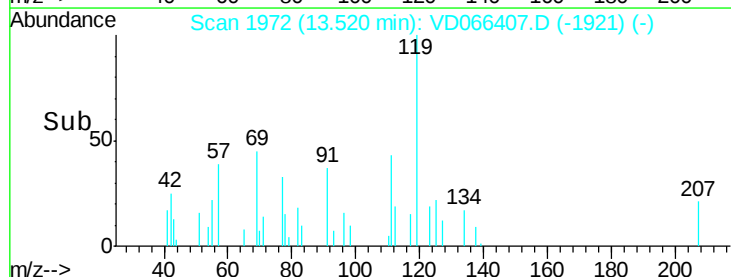
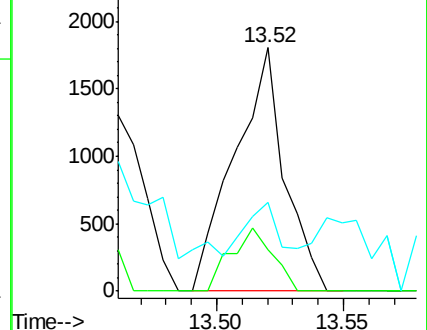
91 13.7 12.7 38.0

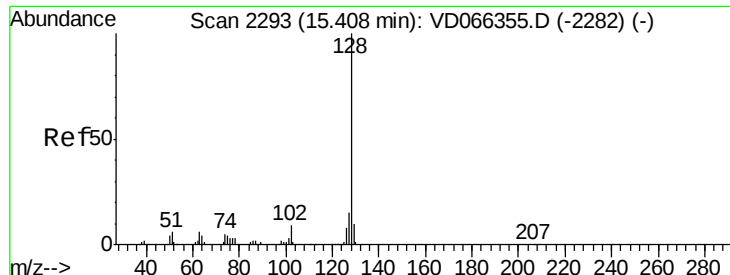


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

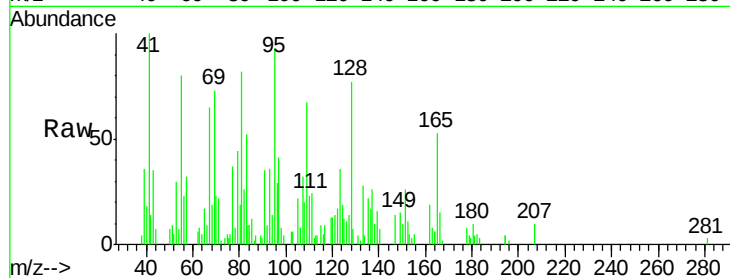




#95
Naphthalene
Concen: 56.421 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066407.D
Acq: 25 Aug 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :
20071RE

Tot Ion:128 Resp: 9988
Ion Ratio Lower Upper
128 100
127 25.7 10.7 16.1#
129 8.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

