

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004879.D
 Acq On : 26 May 2021 12:21
 Operator : SY/MD
 Sample : M2521-01
 Misc : 2.27G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-052521

Quant Time: May 27 01:14:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

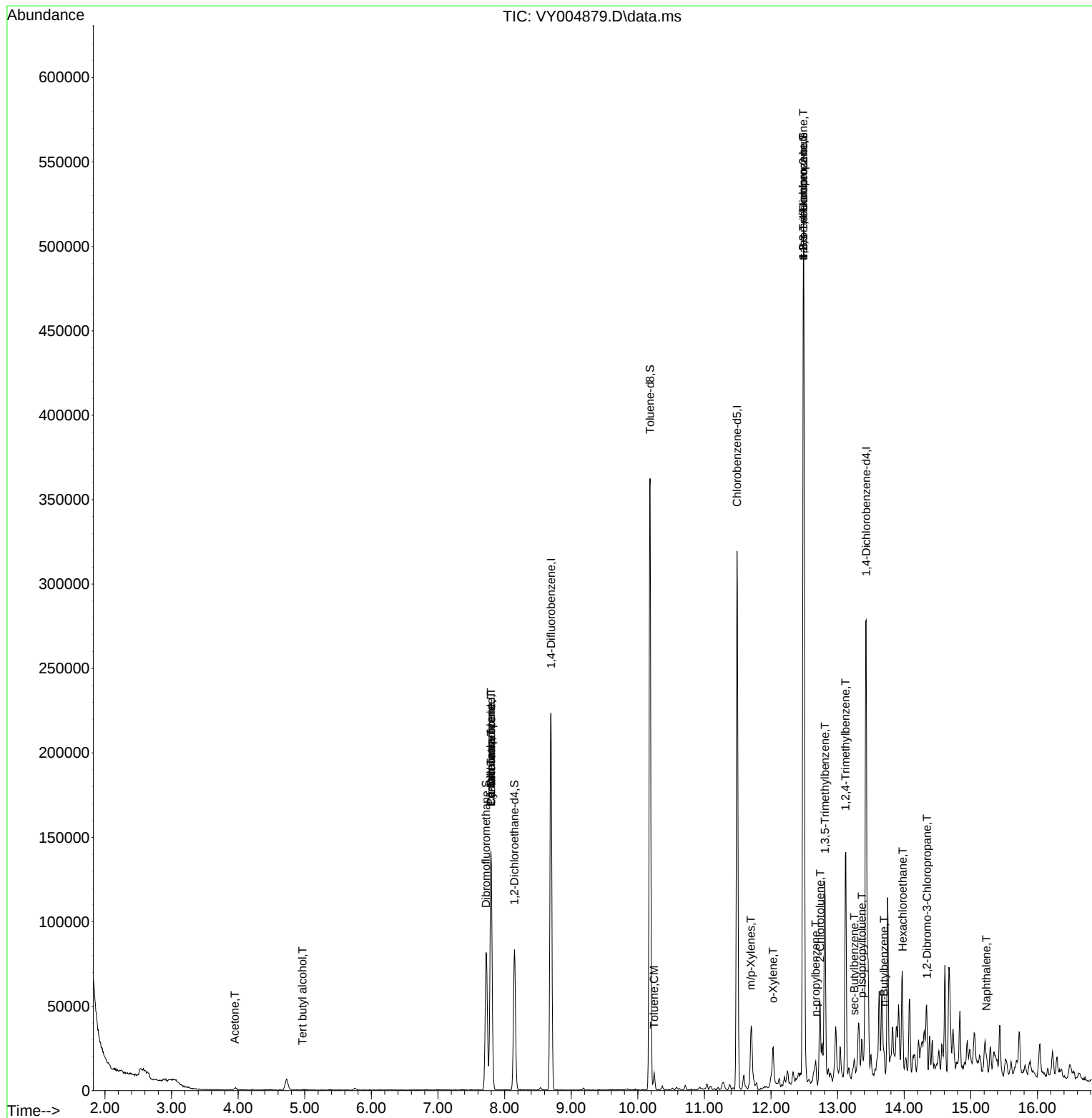
Internal Standards						
1) Pentafluorobenzene	7.795	168	105063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	184186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	164829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66251	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62643	50.09	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.18%			
35) Dibromofluoromethane	7.722	113	56619	56.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.30%			
50) Toluene-d8	10.185	98	230821	50.67	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.34%			
62) 4-Bromofluorobenzene	12.483	95	68386	44.48	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.96%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	322	2.56	ug/l #	71
16) Acetone	3.948	43	2336	8.32	ug/l #	82
20) Methylene Chloride	4.729	84	4410	Below Cal		89
31) Cyclohexane	7.795	56	2628	1.30	ug/l #	13
36) 1,1-Dichloropropene	7.795	75	8997	4.77	ug/l #	50
38) Carbon Tetrachloride	7.795	117	10924	6.44	ug/l #	16
52) Toluene	10.246	92	3856	1.14	ug/l	99
68) m/p-Xylenes	11.697	106	8194	3.46	ug/l	97
69) o-Xylene	12.032	106	5341	2.41	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	40854	58.06	ug/l #	100
78) n-propylbenzene	12.672	91	9642	1.58	ug/l	99
79) 2-Chlorotoluene	12.739	91	5812	1.74	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.812	105	29121	7.02	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	40854	100.67	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.117	105	69917	16.83	ug/l	99
85) sec-Butylbenzene	13.251	105	6174	1.20	ug/l	89
86) p-Isopropyltoluene	13.367	119	5019	1.12	ug/l	97
89) n-Butylbenzene	13.696	91	5959	1.36	ug/l #	70
90) Hexachloroethane	13.977	117	2143	3.41	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.343	75	207	1.11	ug/l #	4
95) Naphthalene	15.233	128	4444	1.63	ug/l #	86

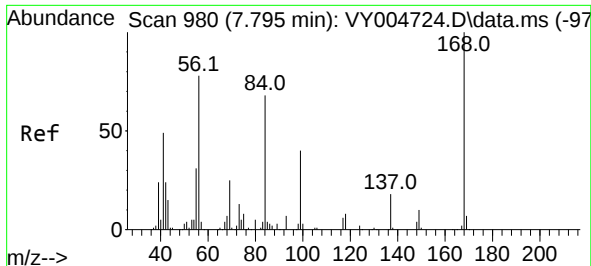
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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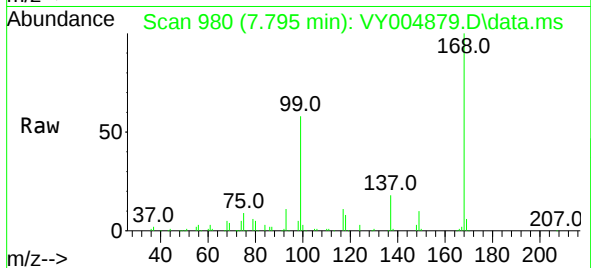
Quant Time: May 27 01:14:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
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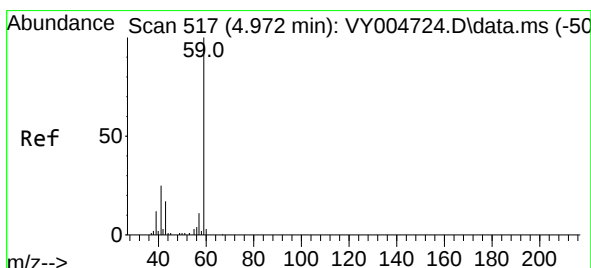
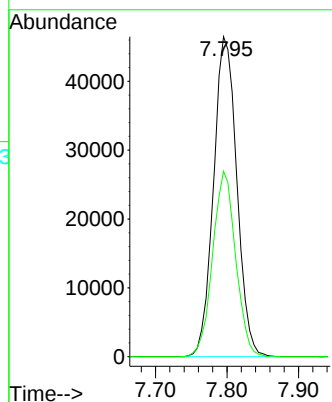
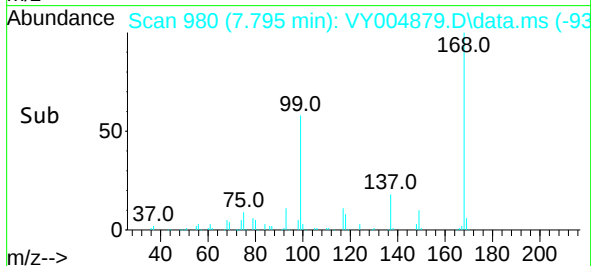


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

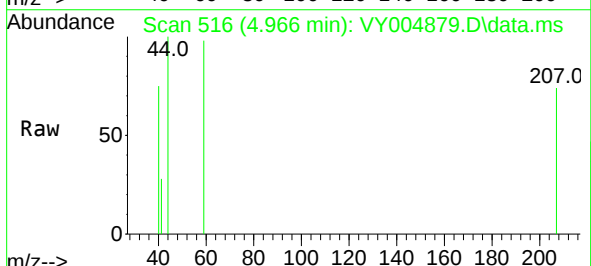
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521



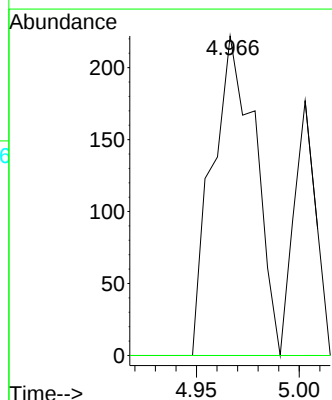
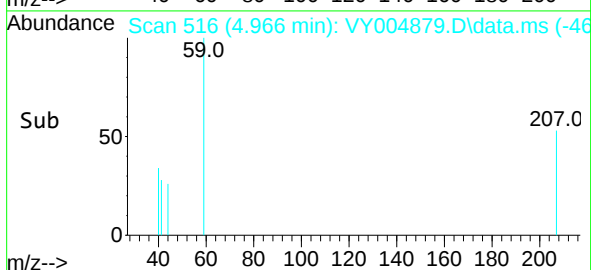
Tgt Ion:168 Resp: 105063
Ion Ratio Lower Upper
168 100
99 58.0 45.6 68.4

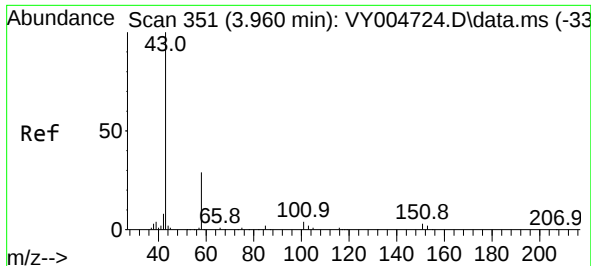


#11
Tert butyl alcohol
Concen: 2.56 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21



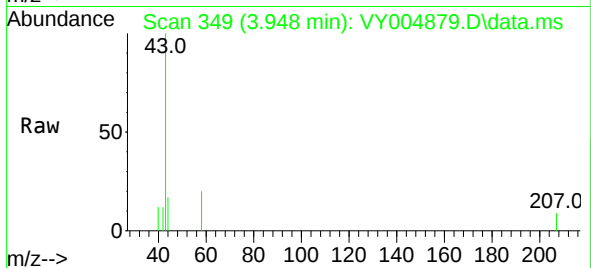
Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



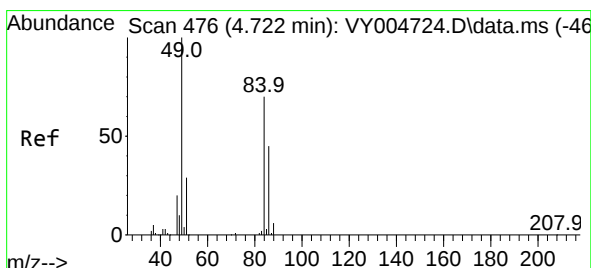
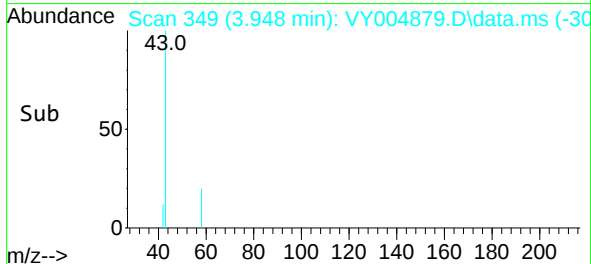
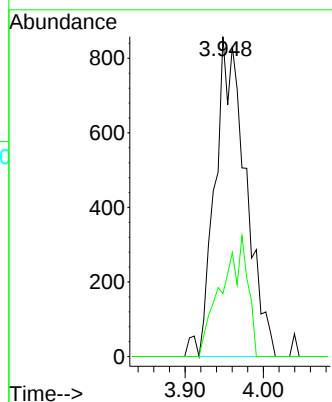


#16
Acetone
Concen: 8.32 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

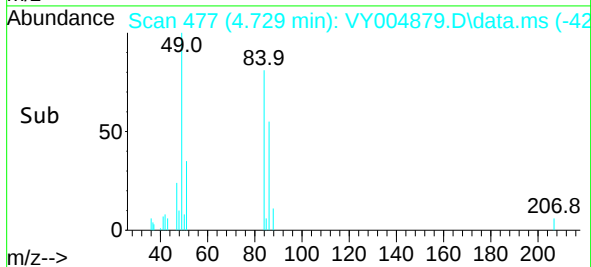
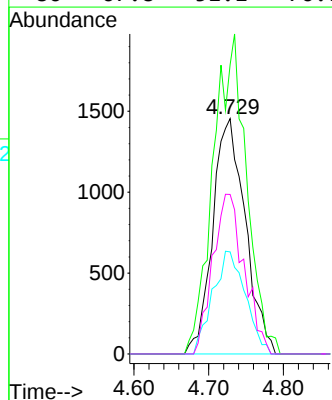
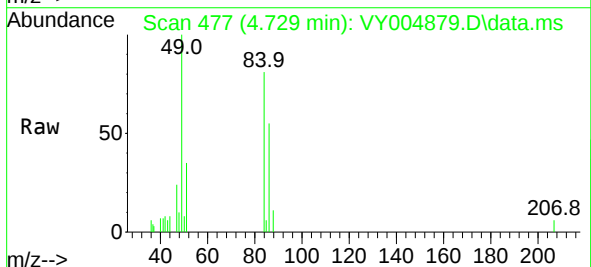


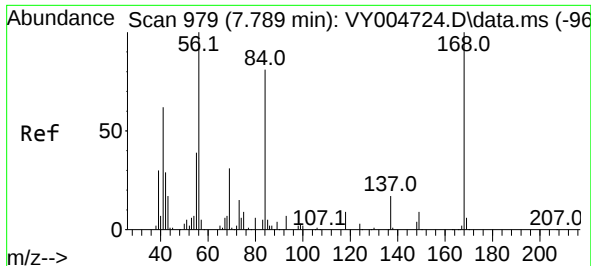
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
58 19.7 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

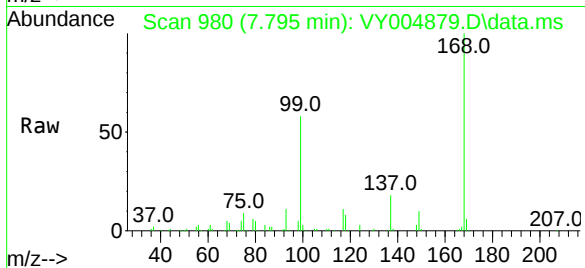
Tgt Ion: 84 Resp: 4410
Ion Ratio Lower Upper
84 100
49 122.9 113.8 170.8
51 43.4 33.5 50.3
86 67.8 51.1 76.7



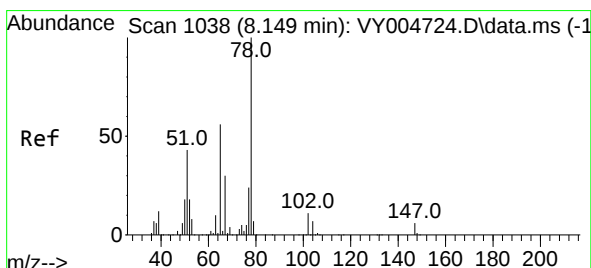
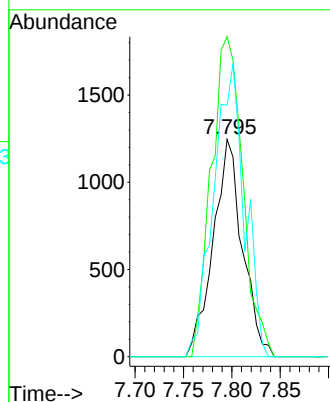
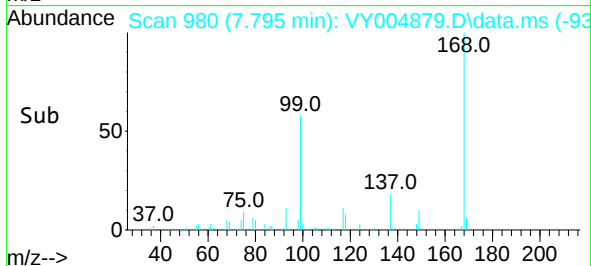


#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

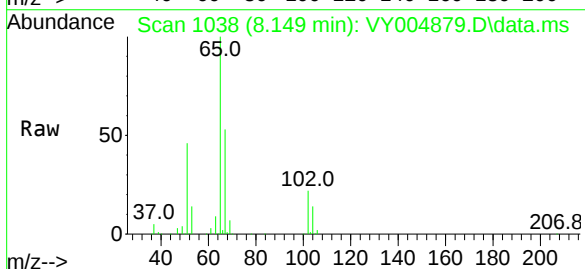
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521



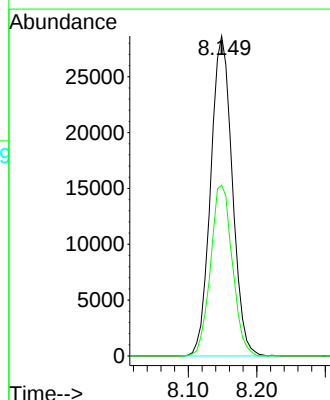
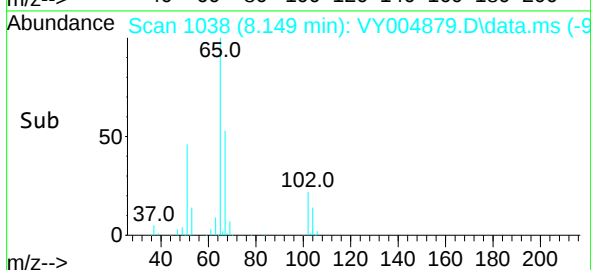
Tgt Ion: 56 Resp: 2628
Ion Ratio Lower Upper
56 100
69 147.3 24.4 36.6#
84 115.7 64.8 97.2#

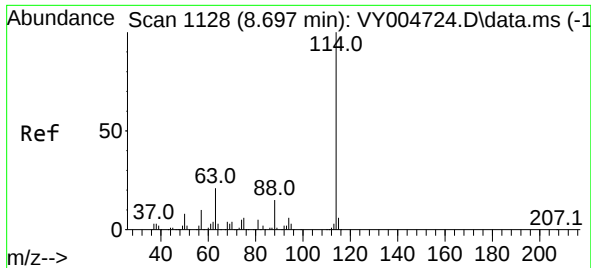


#33
1,2-Dichloroethane-d4
Concen: 50.09 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21



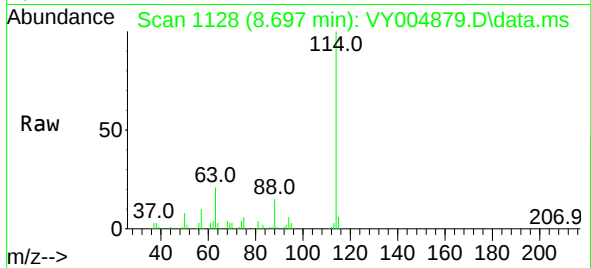
Tgt Ion: 65 Resp: 62643
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.0



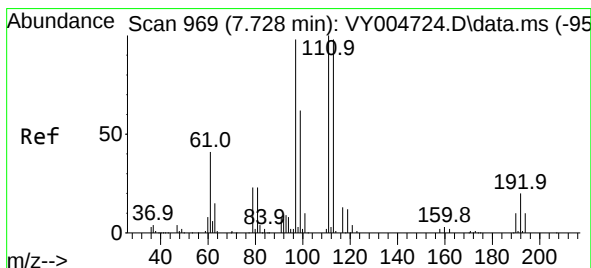
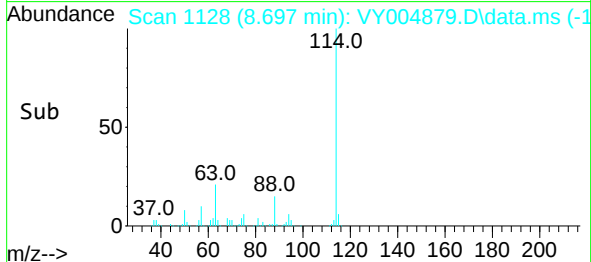
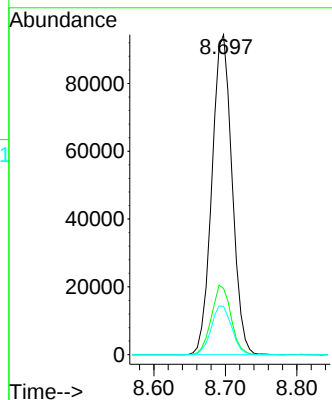


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

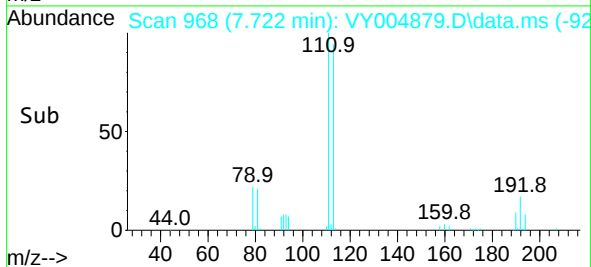
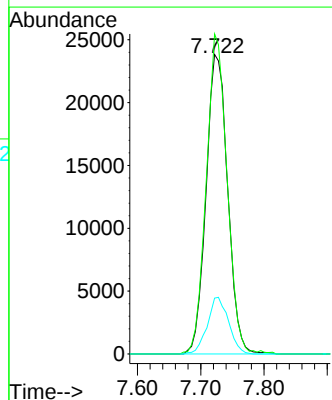
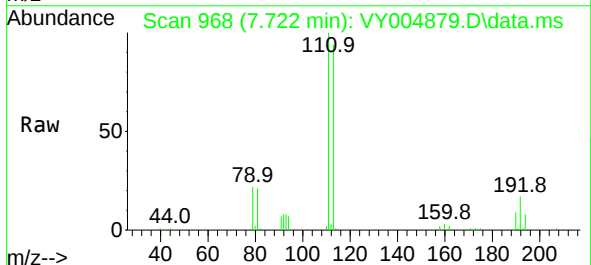


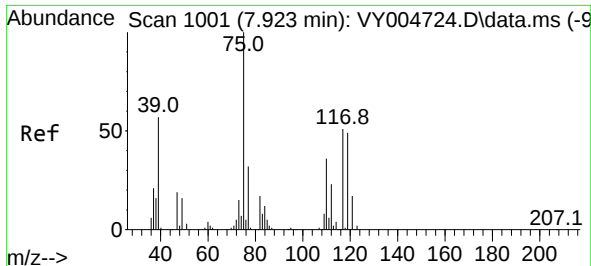
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.8
88	15.1	0.0	31.0



#35
Dibromofluoromethane
Concen: 56.15 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.5	120.7
192	18.5	15.0	22.6





#36

1,1-Dichloropropene

Concen: 4.77 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY004879.D

Acq: 26 May 2021 12:21

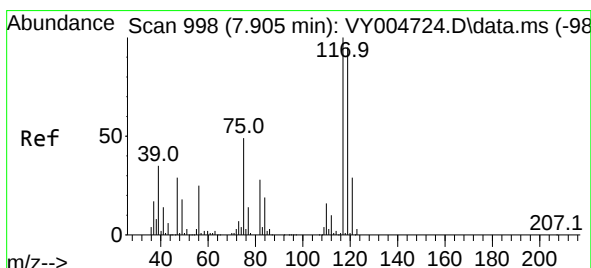
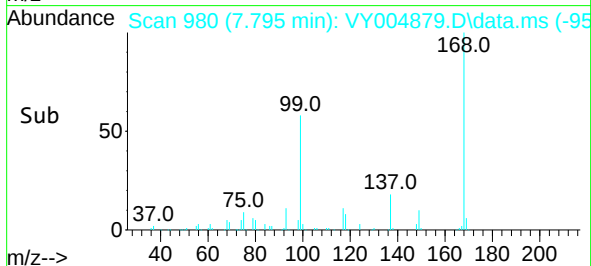
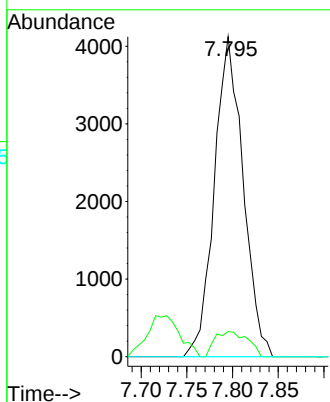
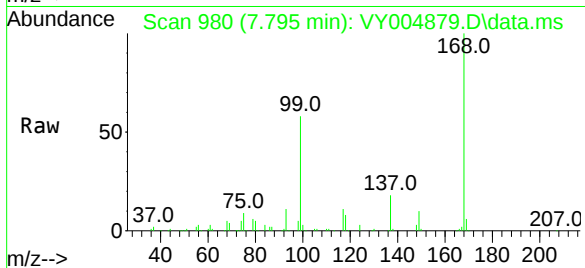
Instrument :

MSVOA_Y

ClientSampleId :

HR-01-052521

Tgt Ion: 75	Resp: 8997
Ion Ratio	Lower Upper
75 100	
110 8.9	17.0 50.9#
77 0.0	25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.44 ug/l

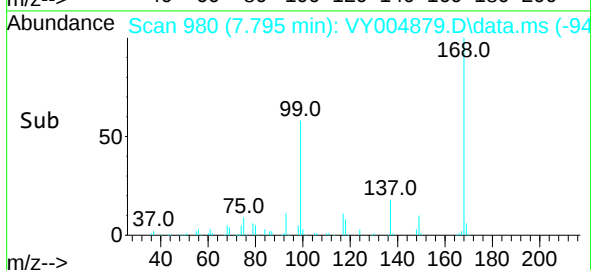
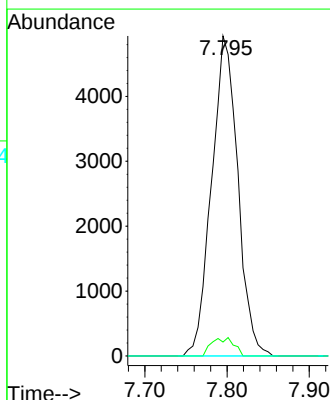
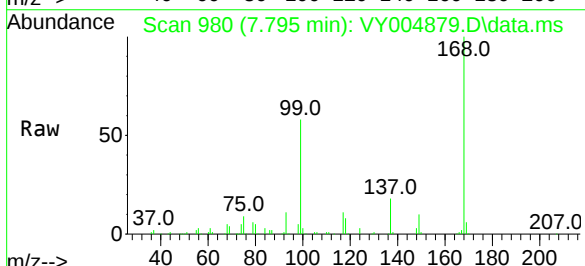
RT: 7.795 min Scan# 980

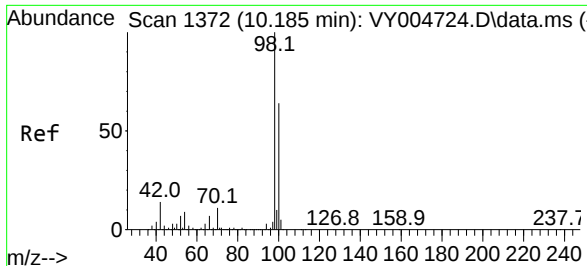
Delta R.T. -0.110 min

Lab File: VY004879.D

Acq: 26 May 2021 12:21

Tgt Ion: 117	Resp: 10924
Ion Ratio	Lower Upper
117 100	
119 4.4	76.3 114.5#
121 0.0	23.0 34.6#

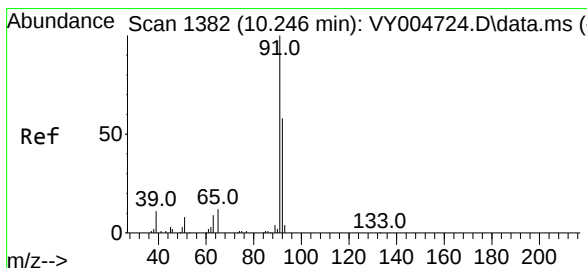
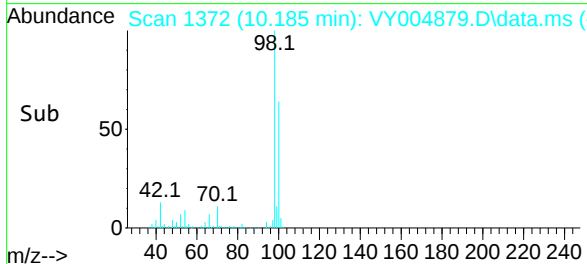
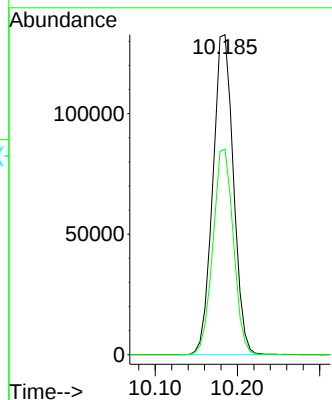
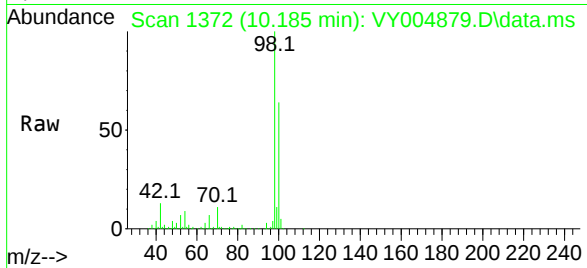




#50
Toluene-d8
Concen: 50.67 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

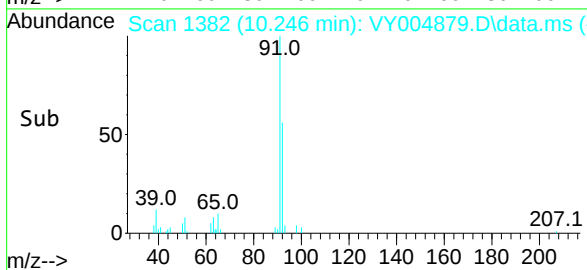
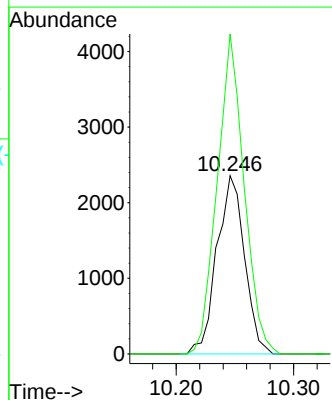
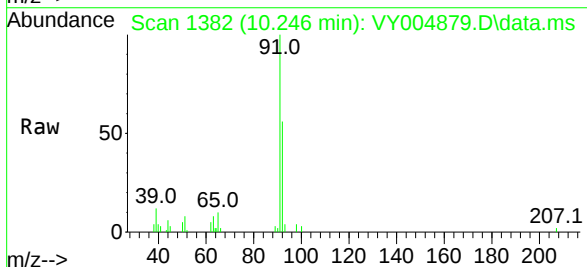
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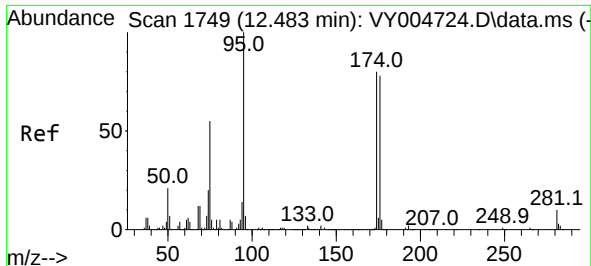
Tgt Ion: 98 Resp: 230821
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#52
Toluene
Concen: 1.14 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion: 92 Resp: 3856
Ion Ratio Lower Upper
92 100
91 174.6 138.2 207.4

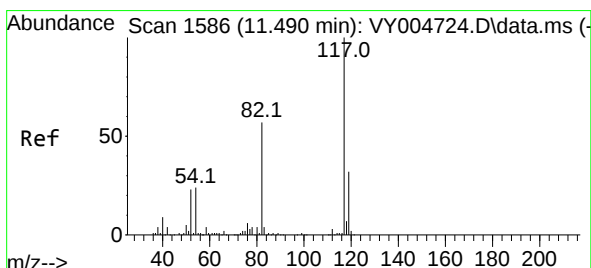
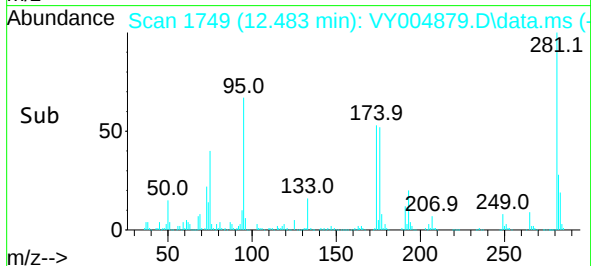
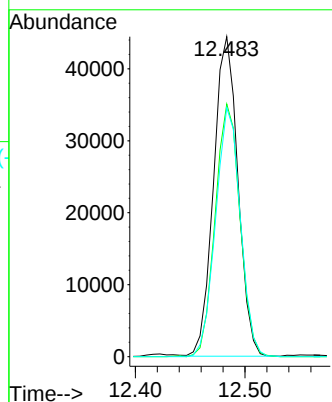
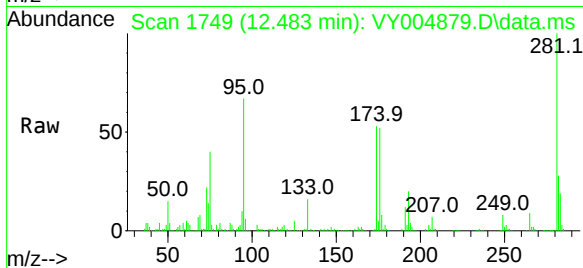




#62
4-Bromofluorobenzene
Concen: 44.48 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

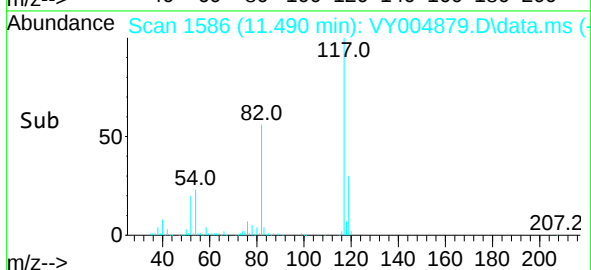
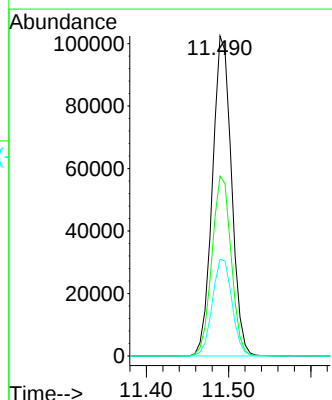
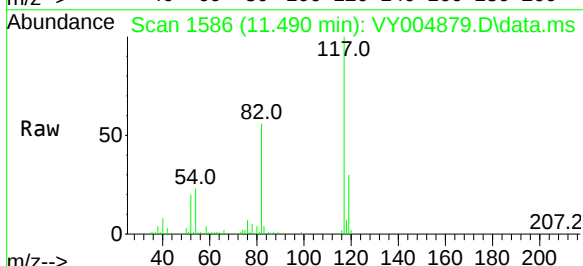
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

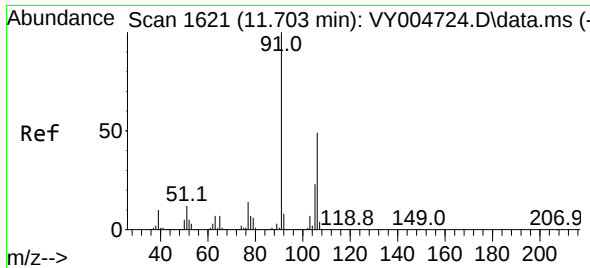
Tgt Ion: 95 Resp: 68386
Ion Ratio Lower Upper
95 100
174 80.6 0.0 164.2
176 79.2 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion: 117 Resp: 164829
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.2
119 30.3 25.8 38.6

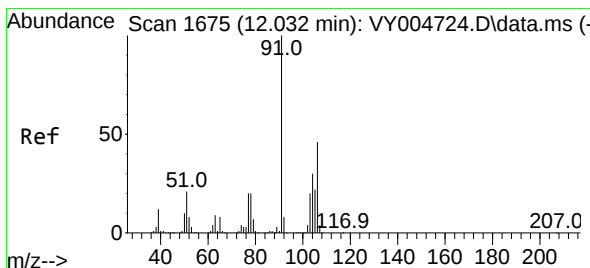
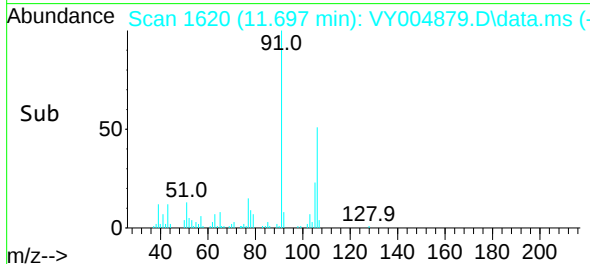
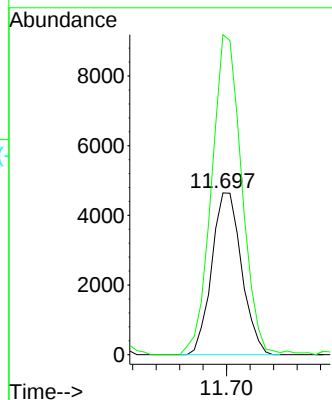
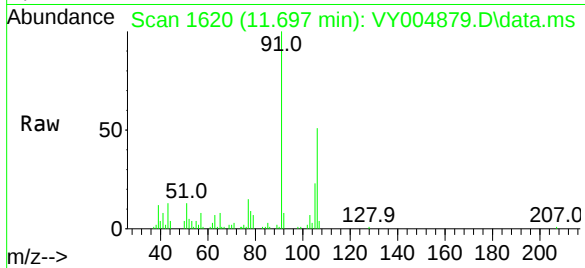




#68
m/p-Xylenes
Concen: 3.46 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

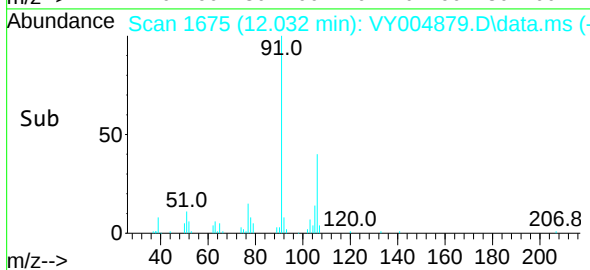
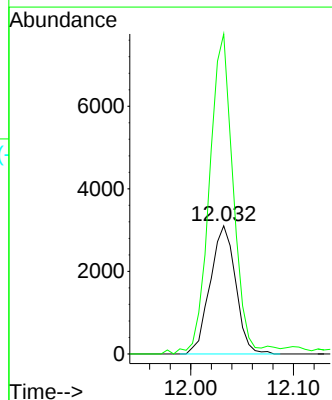
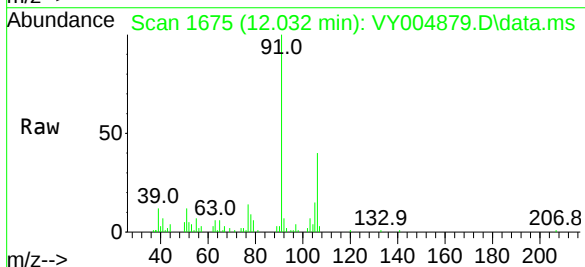
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

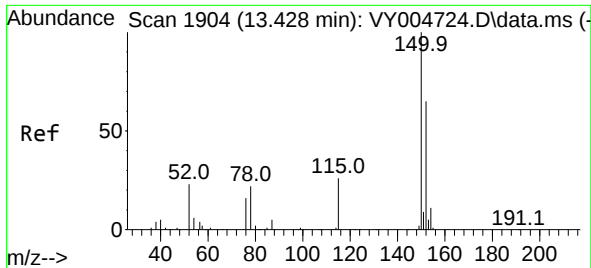
Tgt Ion:106 Resp: 8194
Ion Ratio Lower Upper
106 100
91 200.4 163.6 245.4



#69
o-Xylene
Concen: 2.41 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion:106 Resp: 5341
Ion Ratio Lower Upper
106 100
91 231.4 108.9 326.7

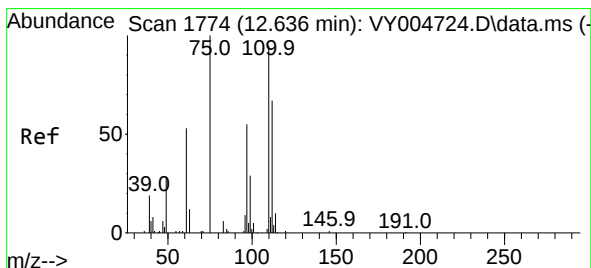
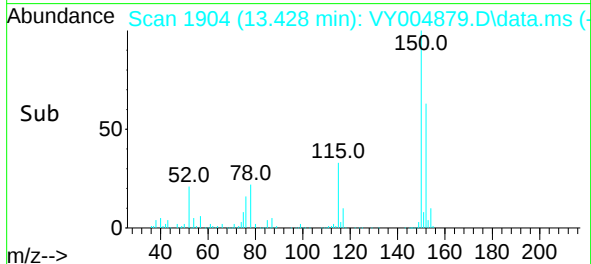
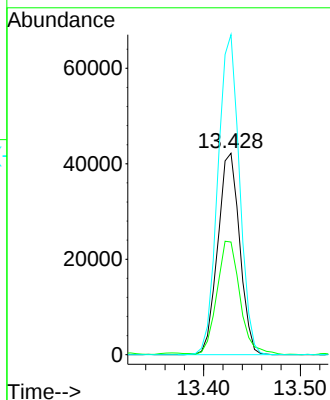
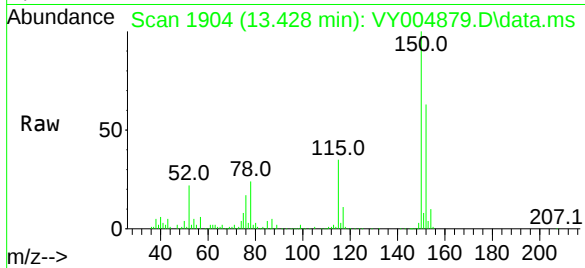




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004879.D
 Acq: 26 May 2021 12:21

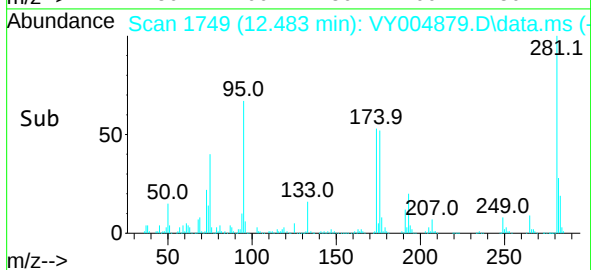
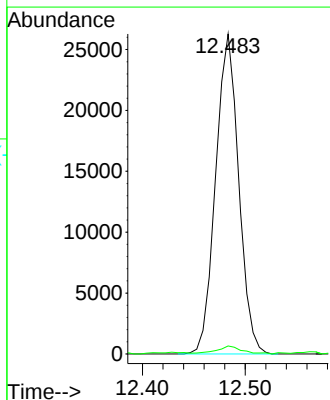
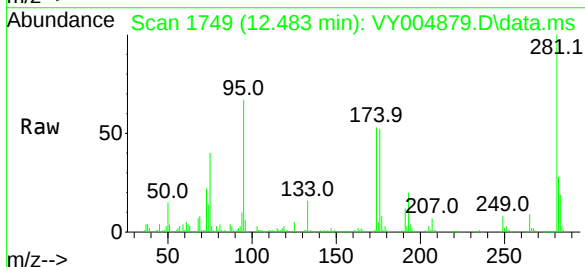
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-052521

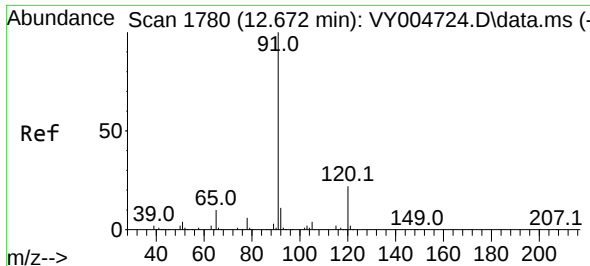
Tgt Ion:152 Resp: 66251
 Ion Ratio Lower Upper
 152 100
 115 59.6 29.4 88.3
 150 156.6 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 58.06 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004879.D
 Acq: 26 May 2021 12:21

Tgt Ion: 75 Resp: 40854
 Ion Ratio Lower Upper
 75 100
 77 2.8 0.0 0.0#

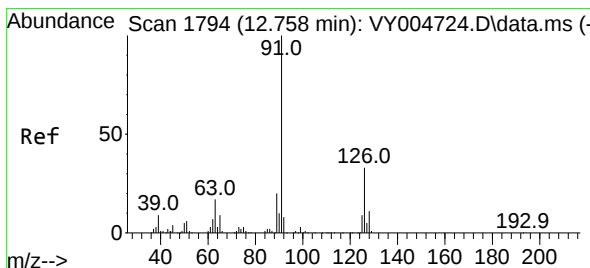
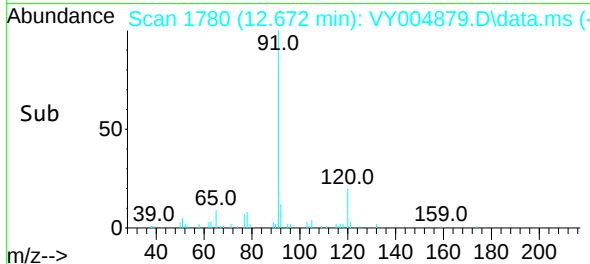
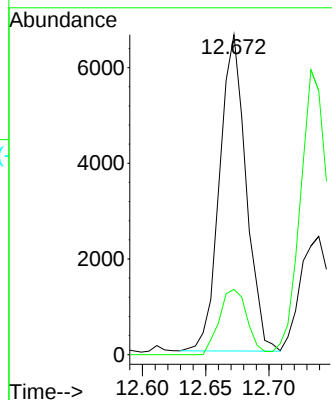
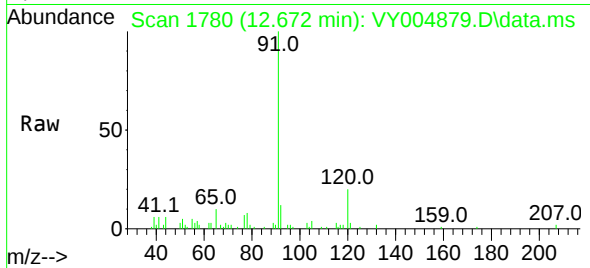




#78
n-propylbenzene
Concen: 1.58 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

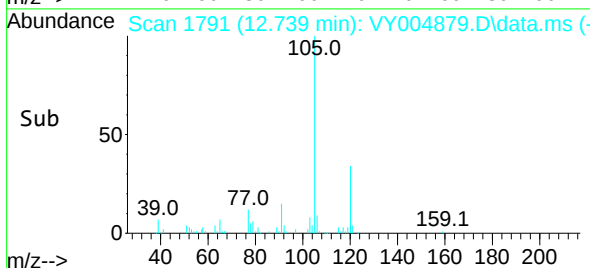
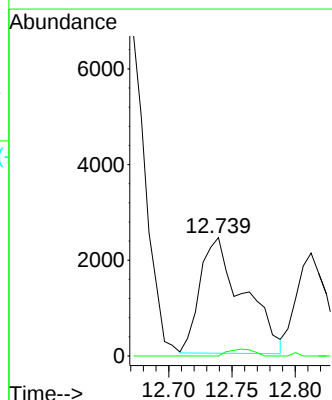
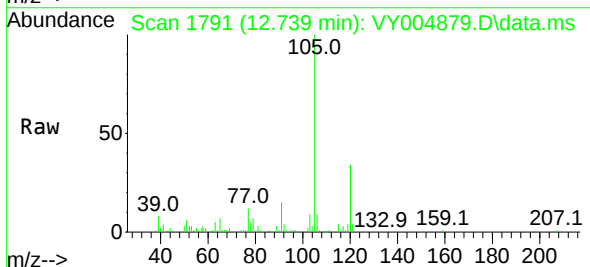
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

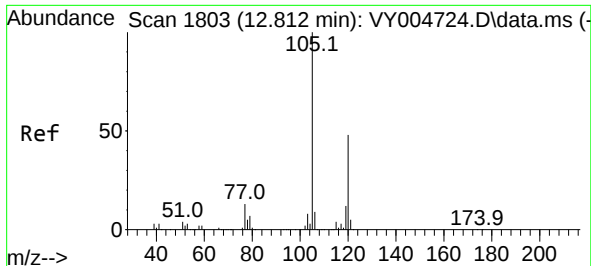
Tgt Ion: 91 Resp: 9642
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3



#79
2-Chlorotoluene
Concen: 1.74 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.018 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion: 91 Resp: 5812
Ion Ratio Lower Upper
91 100
126 3.4 16.8 50.3#

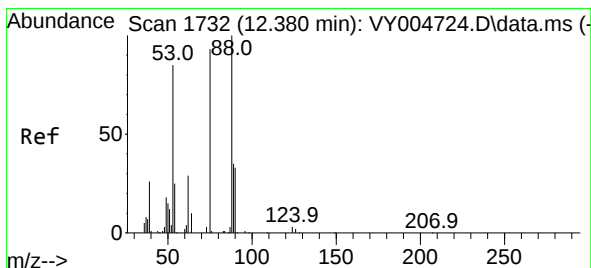
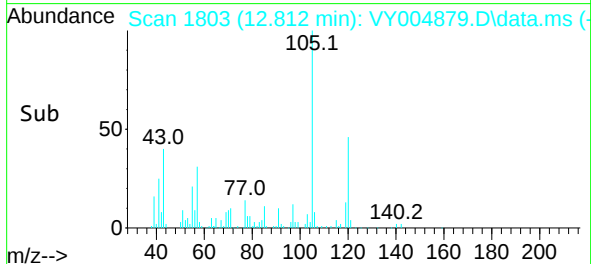
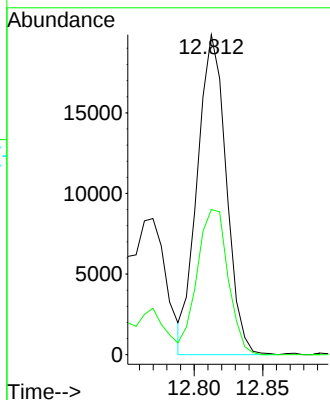
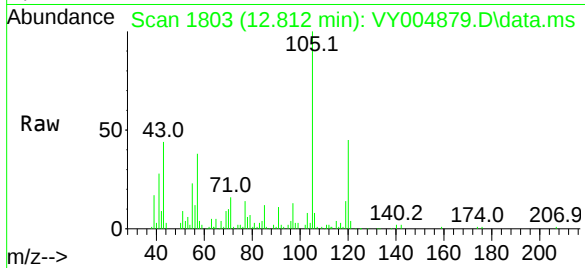




#80
1,3,5-Trimethylbenzene
Concen: 7.02 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

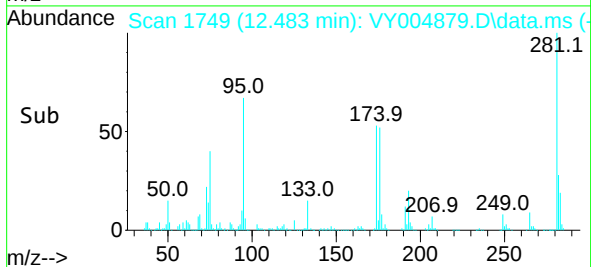
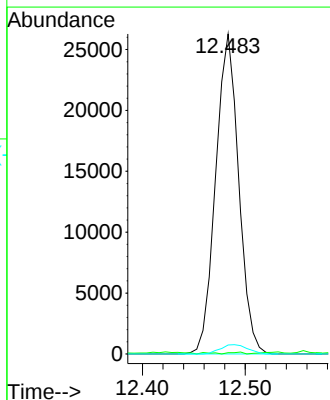
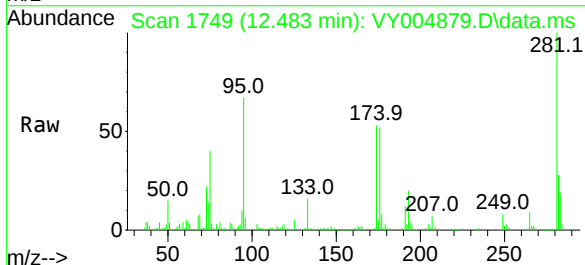
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

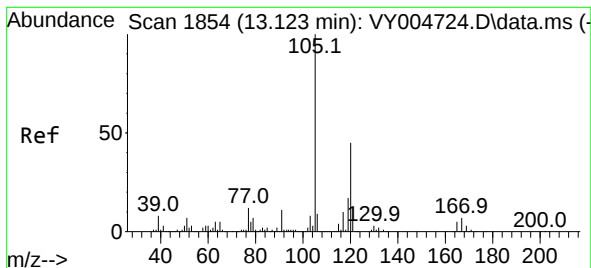
Tgt Ion:105 Resp: 29121
Ion Ratio Lower Upper
105 100
120 48.6 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 100.67 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion: 75 Resp: 40854
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 3.4 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 16.83 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY004879.D

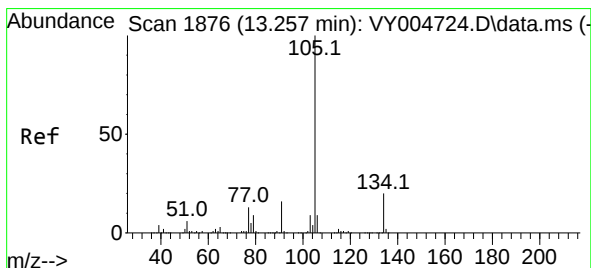
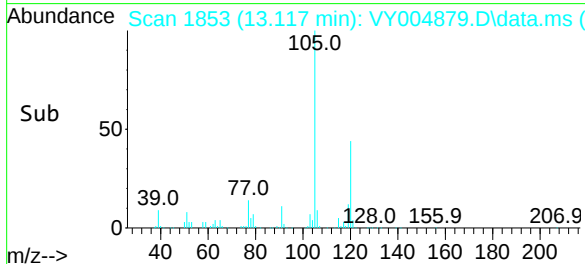
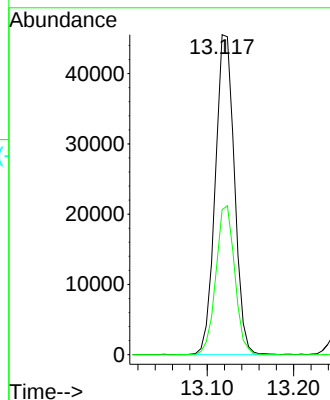
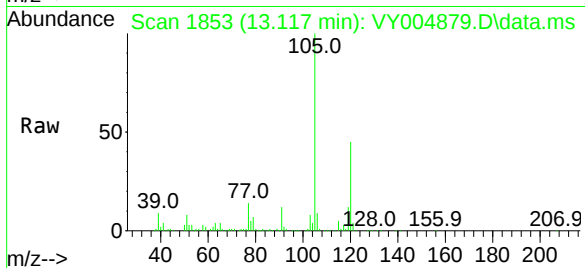
Acq: 26 May 2021 12:21

Tgt Ion:105 Resp: 69917

Ion Ratio Lower Upper

105 100

120 45.8 22.5 67.5



#85

sec-Butylbenzene

Concen: 1.20 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VY004879.D

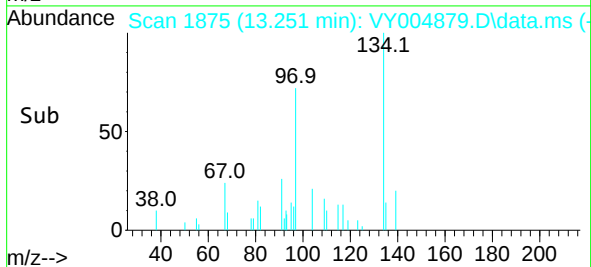
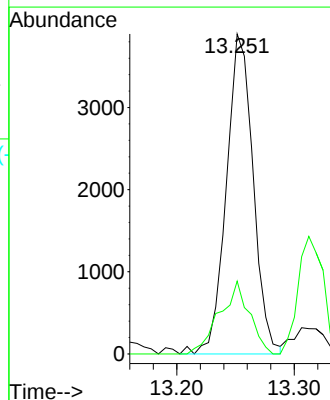
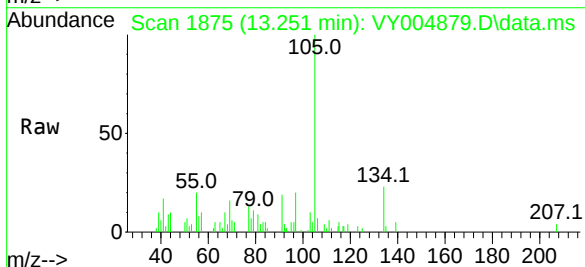
Acq: 26 May 2021 12:21

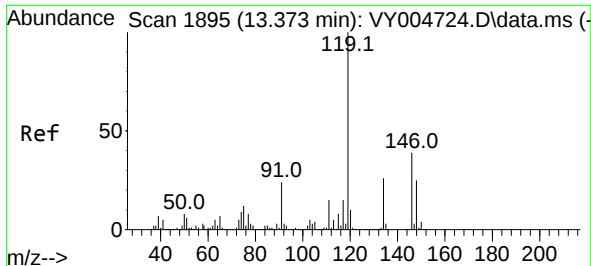
Tgt Ion:105 Resp: 6174

Ion Ratio Lower Upper

105 100

134 25.2 10.0 29.8

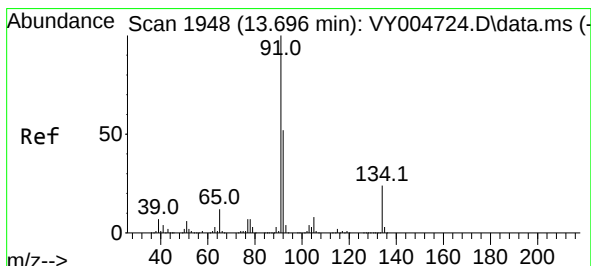
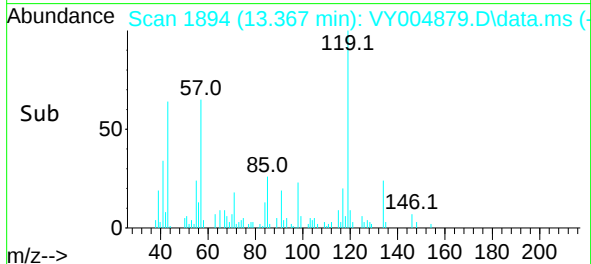
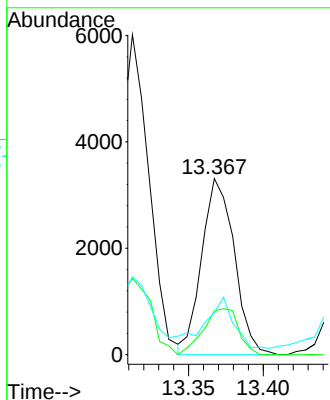
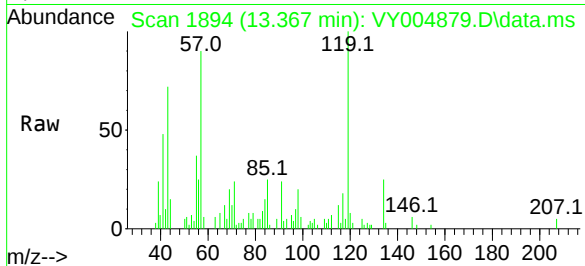




#86
p-Isopropyltoluene
Concen: 1.12 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

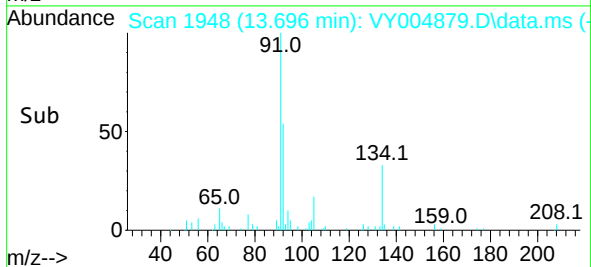
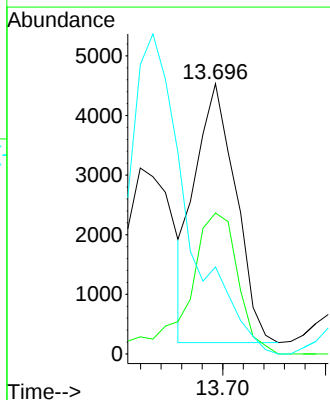
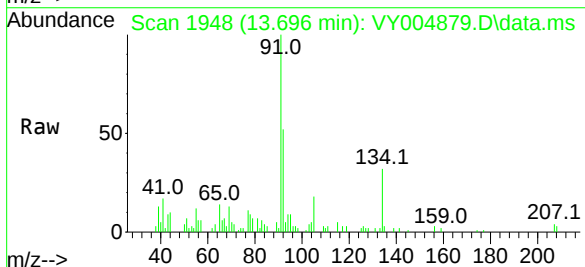
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

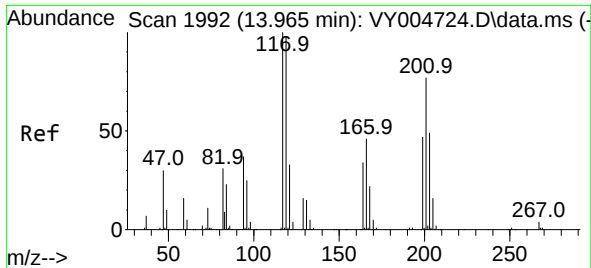
Tgt Ion:	119	Resp:	5019
Ion	Ratio	Lower	Upper
119	100		
134	28.2	12.9	38.7
91	25.1	12.0	36.1



#89
n-Butylbenzene
Concen: 1.36 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

Tgt Ion:	91	Resp:	5959
Ion	Ratio	Lower	Upper
91	100		
92	66.7	26.4	79.0
134	0.0	12.6	37.6#

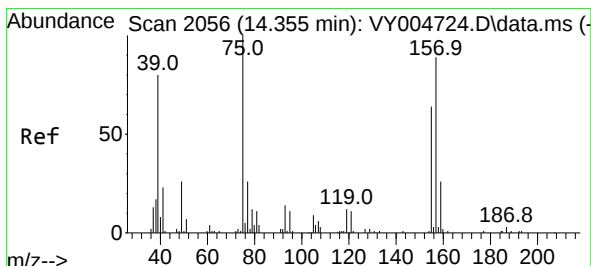
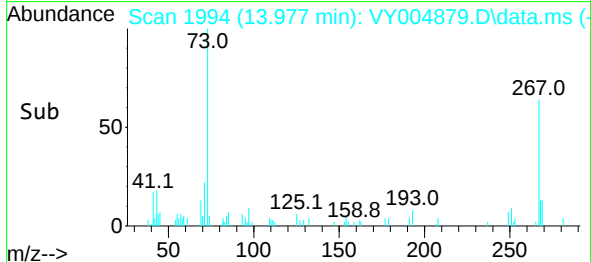
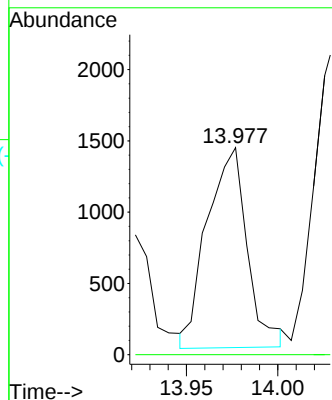
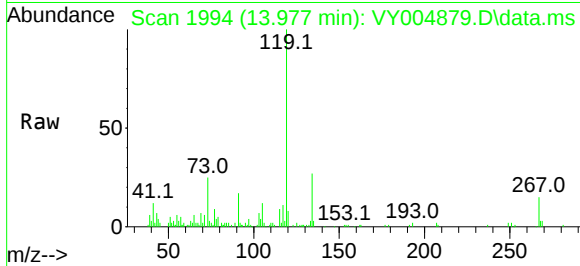




#90
Hexachloroethane
Concen: 3.41 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

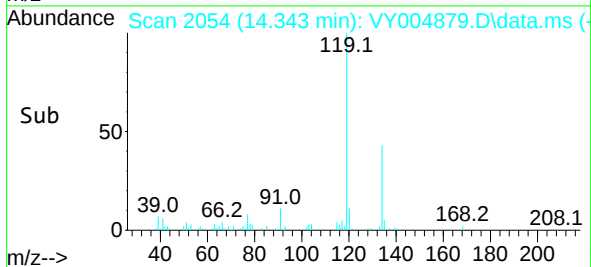
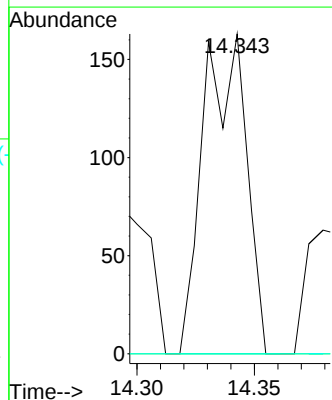
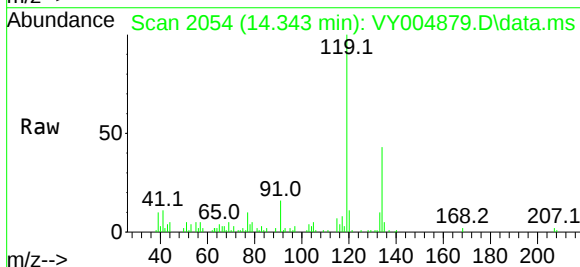
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-052521

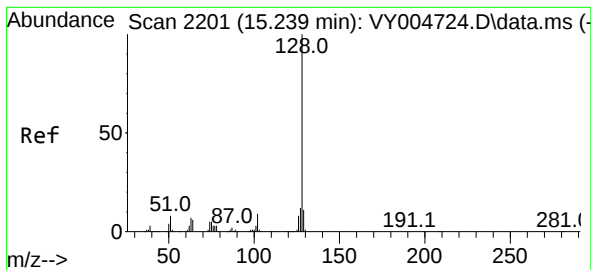
Tgt Ion:117 Resp: 2143
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.11 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.012 min
Lab File: VY004879.D
Acq: 26 May 2021 12:21

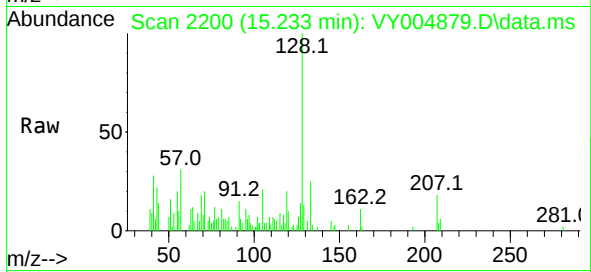
Tgt Ion: 75 Resp: 207
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 0.0 50.2 150.7#





#95
 Naphthalene
 Concen: 1.63 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY004879.D
 Acq: 26 May 2021 12:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-052521



Tgt Ion:128 Resp: 4444
 Ion Ratio Lower Upper
 128 100
 127 19.4 10.2 15.2#
 129 14.8 8.6 13.0#

