

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051421\
 Data File : VY004789.D
 Acq On : 14 May 2021 17:41
 Operator : SY/MD
 Sample : M2404-01
 Misc : 4.65G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 15 04:00:23 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)

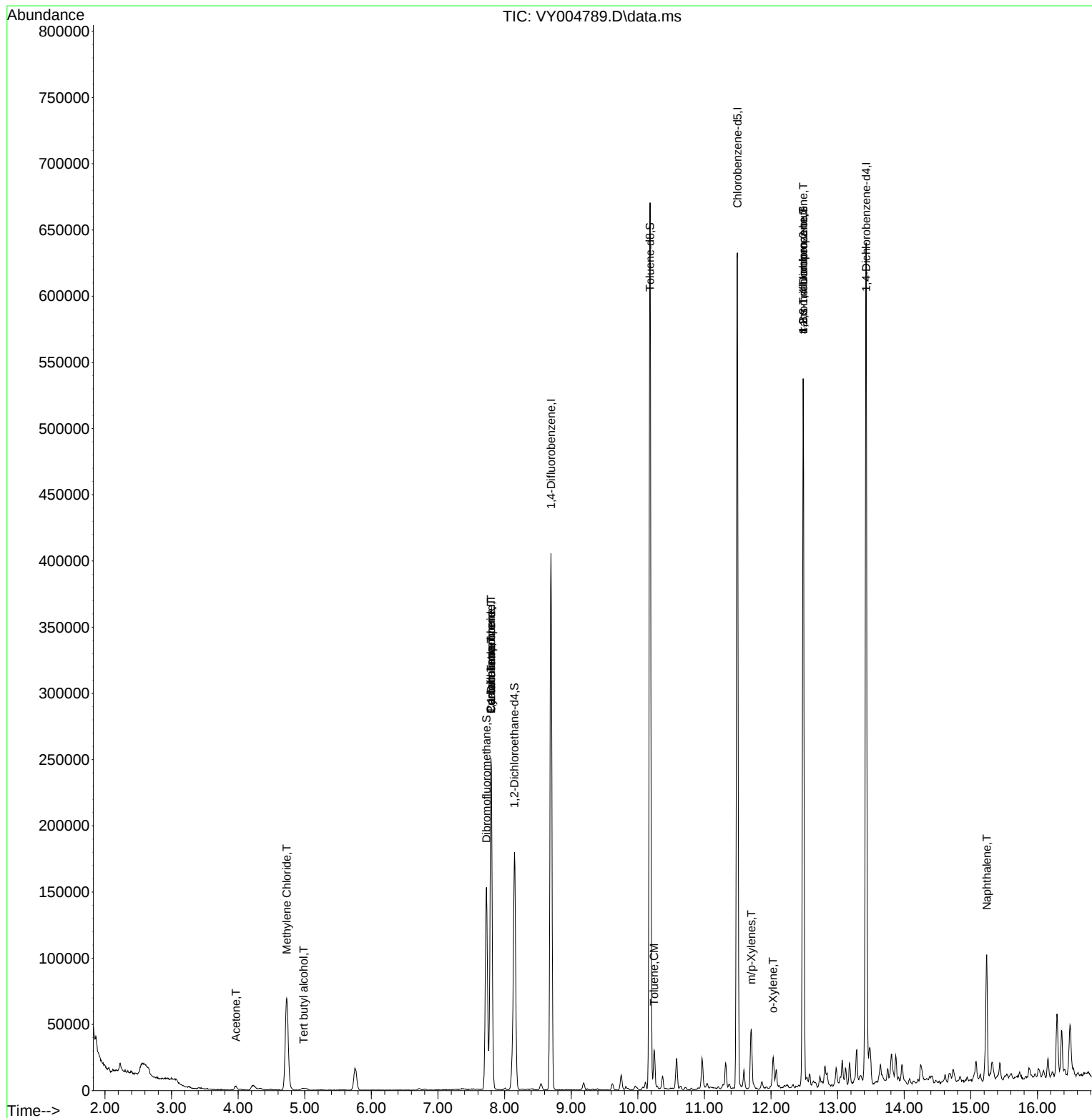
Internal Standards						
1) Pentafluorobenzene	7.795	168	184130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	331236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	327880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148285	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	131969	60.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.42%			
35) Dibromofluoromethane	7.728	113	103431	57.04	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.08%			
50) Toluene-d8	10.185	98	416678	50.87	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.74%			
62) 4-Bromofluorobenzene	12.483	95	147785	53.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.90%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.985	59	3144	14.27	ug/l #	73
16) Acetone	3.966	43	5350	10.87	ug/l	93
20) Methylene Chloride	4.729	84	50162	16.22	ug/l	99
31) Cyclohexane	7.795	56	5220	1.47	ug/l #	16
36) 1,1-Dichloropropene	7.795	75	15931	4.69	ug/l #	50
38) Carbon Tetrachloride	7.795	117	18750	6.15	ug/l #	17
52) Toluene	10.246	92	11779	1.94	ug/l	98
68) m/p-Xylenes	11.703	106	12096	2.57	ug/l	98
69) o-Xylene	12.032	106	5235	1.19	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	83410	52.96	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	83410	91.83	ug/l #	13
95) Naphthalene	15.239	128	72059	11.83	ug/l	98

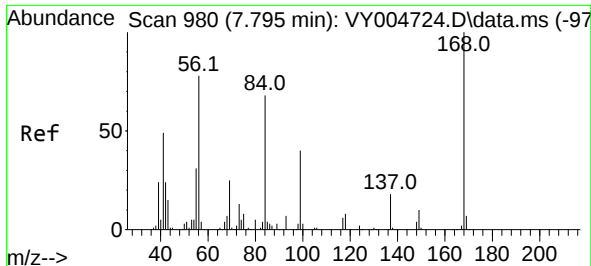
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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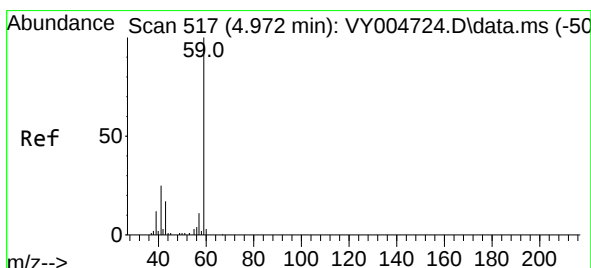
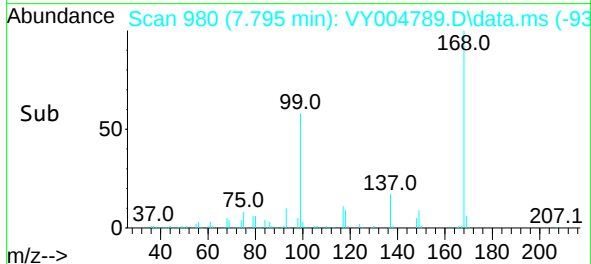
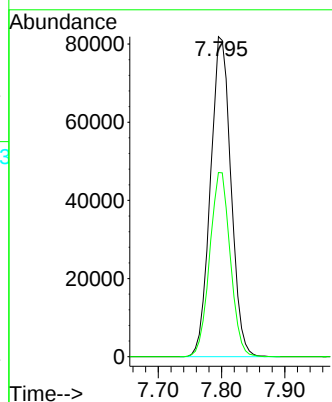
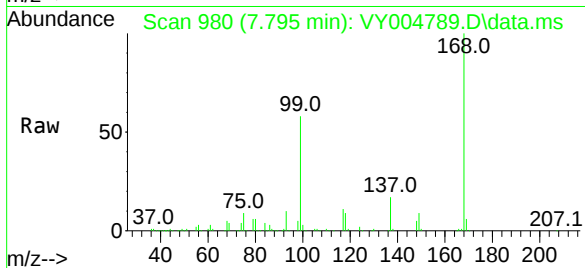




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

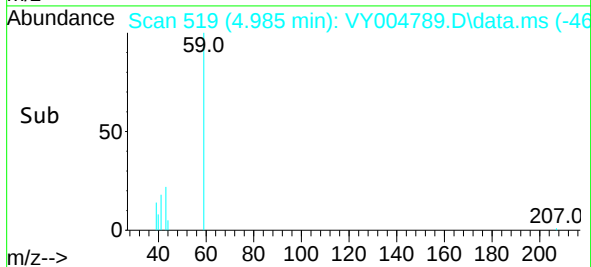
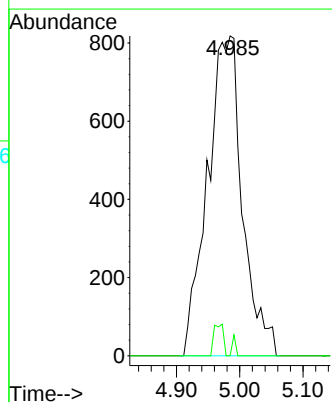
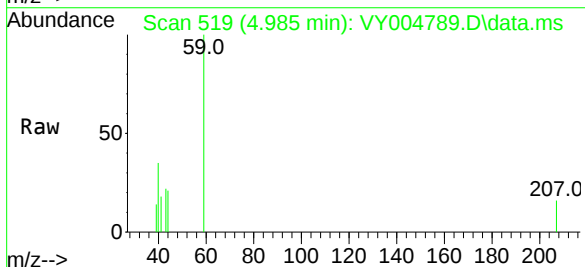
Instrument :
MSVOA_Y
ClientSampleId :

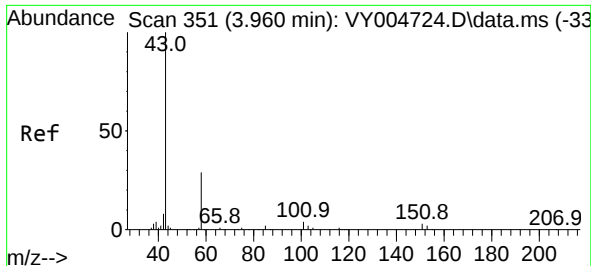
Tgt Ion:168 Resp: 184130
Ion Ratio Lower Upper
168 100
99 57.6 45.6 68.4



#11
Tert butyl alcohol
Concen: 14.27 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

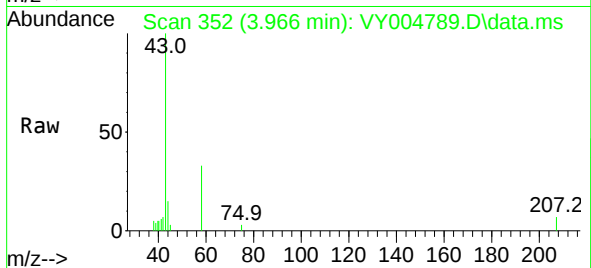
Tgt Ion: 59 Resp: 3144
Ion Ratio Lower Upper
59 100
57 0.6 8.7 13.1#



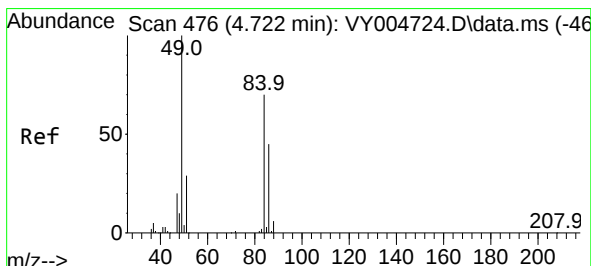
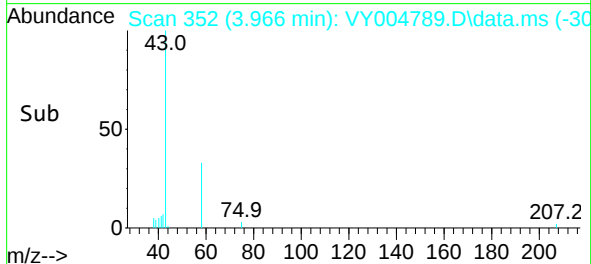
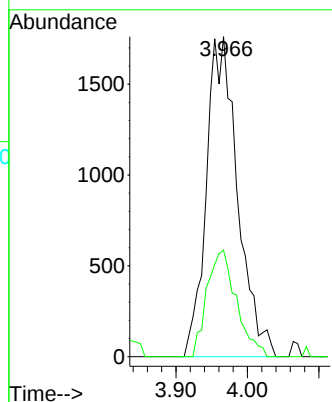


#16
Acetone
Concen: 10.87 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Instrument :
MSVOA_Y
ClientSampled :

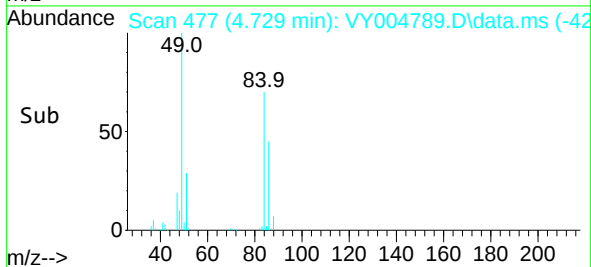
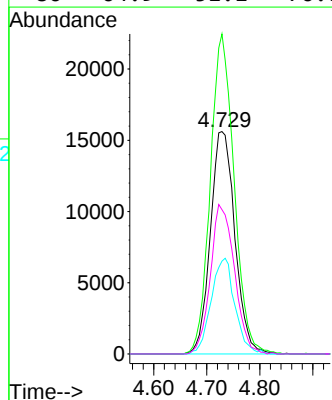
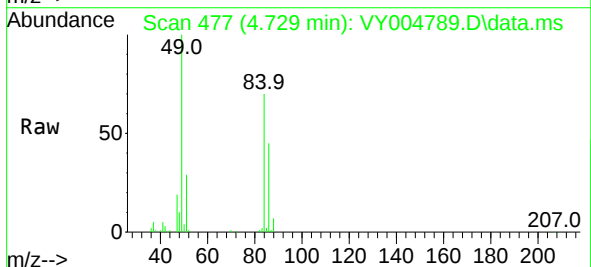


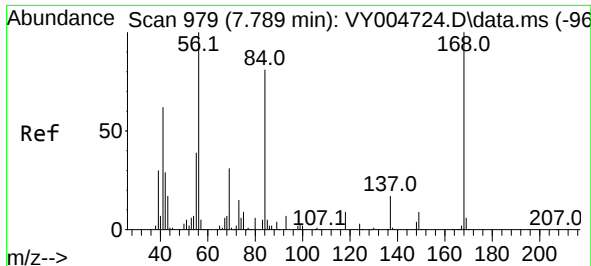
Tgt Ion: 43 Resp: 5350
Ion Ratio Lower Upper
43 100
58 33.3 23.6 35.4



#20
Methylene Chloride
Concen: 16.22 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

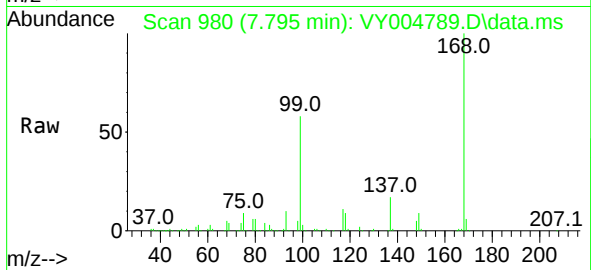
Tgt Ion: 84 Resp: 50162
Ion Ratio Lower Upper
84 100
49 143.9 113.8 170.8
51 41.7 33.5 50.3
86 64.9 51.1 76.7



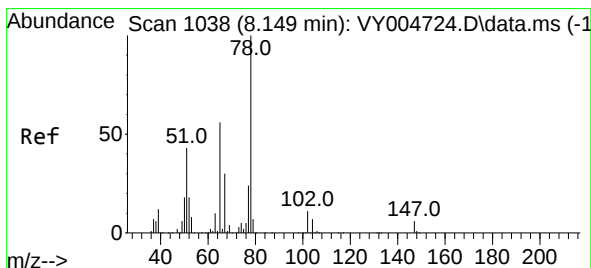
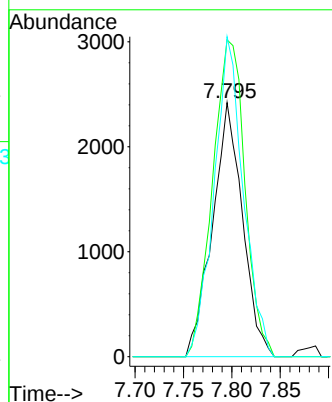
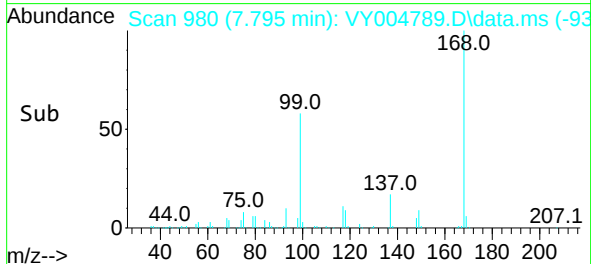


#31
Cyclohexane
Concen: 1.47 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

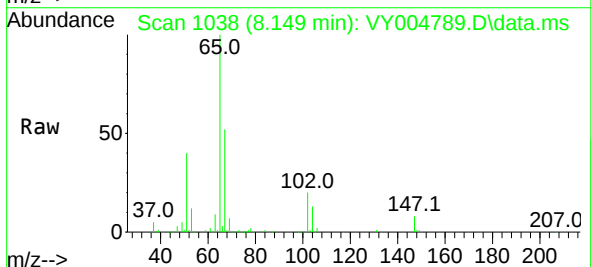
Instrument :
MSVOA_Y
ClientSampleId :



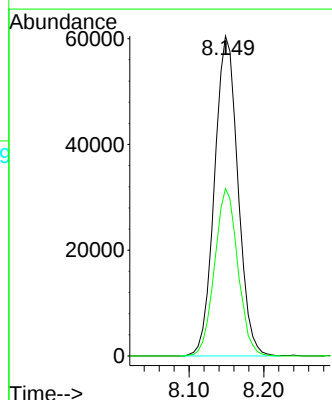
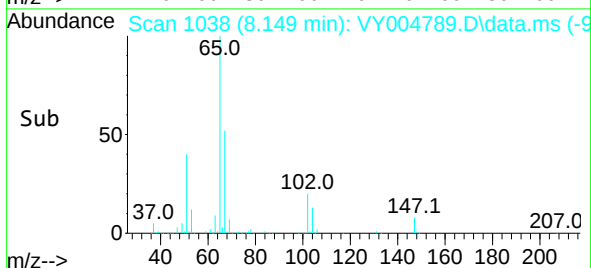
Tgt Ion: 56 Resp: 5220
Ion Ratio Lower Upper
56 100
69 124.7 24.4 36.6#
84 125.9 64.8 97.2#

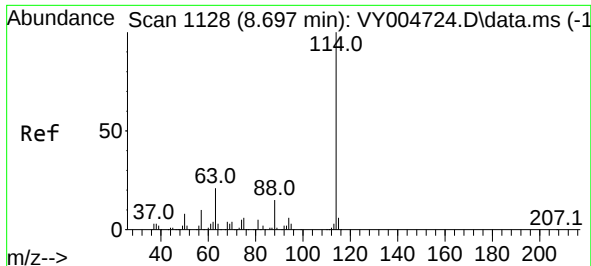


#33
1,2-Dichloroethane-d4
Concen: 60.21 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41



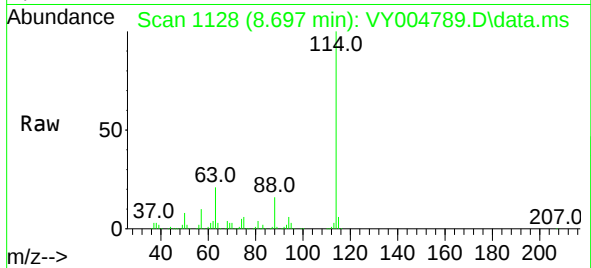
Tgt Ion: 65 Resp: 131969
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.0



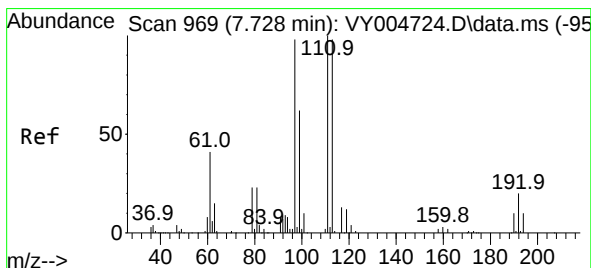
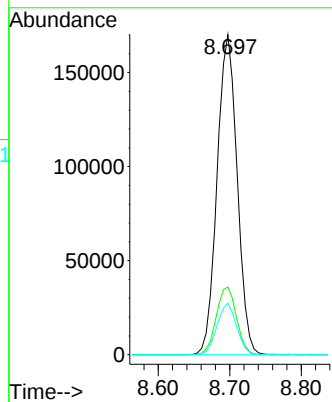
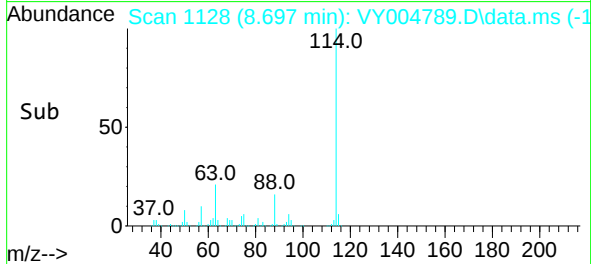


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

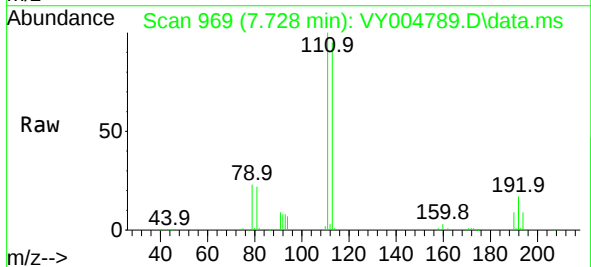
Instrument :
MSVOA_Y
ClientSampleId :



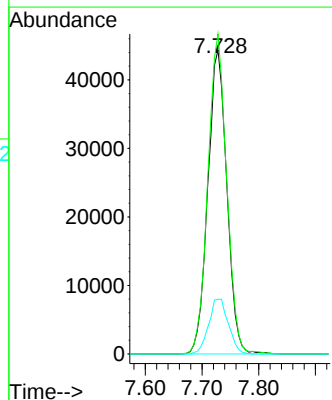
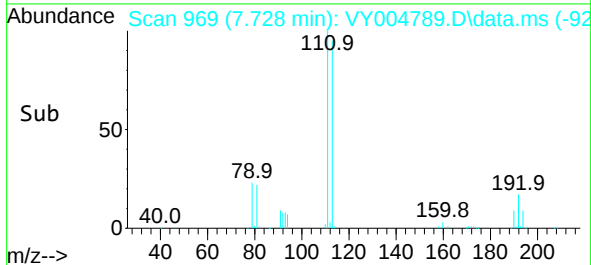
Tgt Ion:114 Resp: 331236
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.8
88 16.1 0.0 31.0

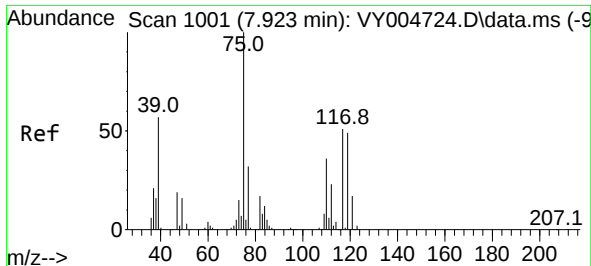


#35
Dibromofluoromethane
Concen: 57.04 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41



Tgt Ion:113 Resp: 103431
Ion Ratio Lower Upper
113 100
111 104.2 80.5 120.7
192 18.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.69 ug/l

RT: 7.795 min Scan# 980

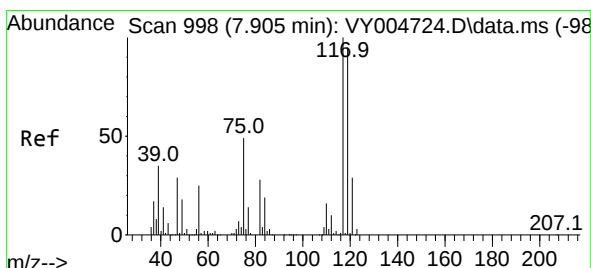
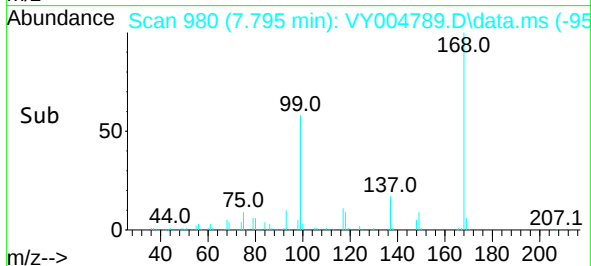
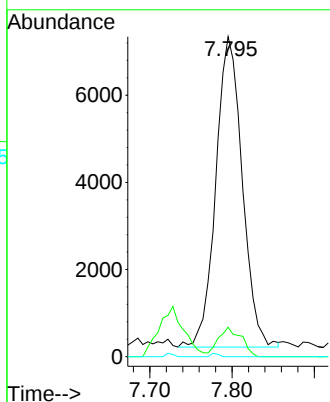
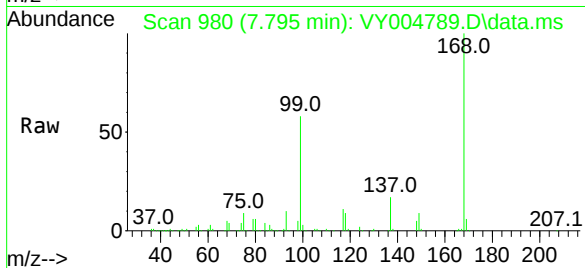
Delta R.T. -0.128 min

Lab File: VY004789.D

Acq: 14 May 2021 17:41

Tgt Ion:	75	Resp:	15931
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.0	50.9#
77	0.3	25.0	37.4#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.15 ug/l

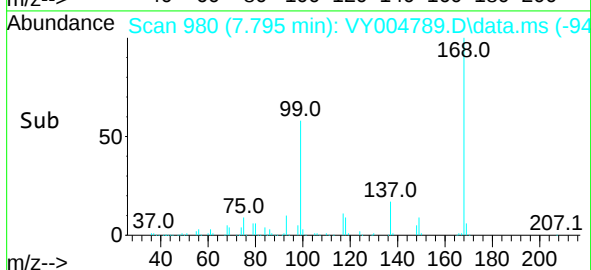
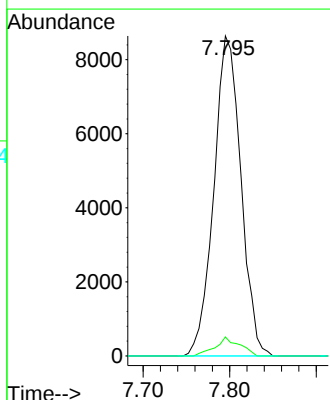
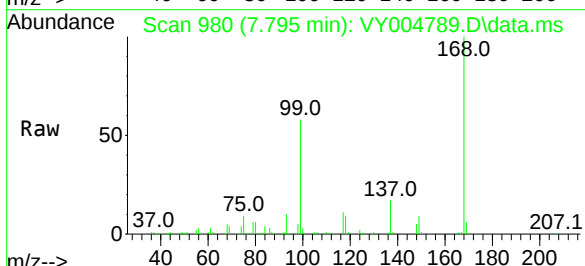
RT: 7.795 min Scan# 980

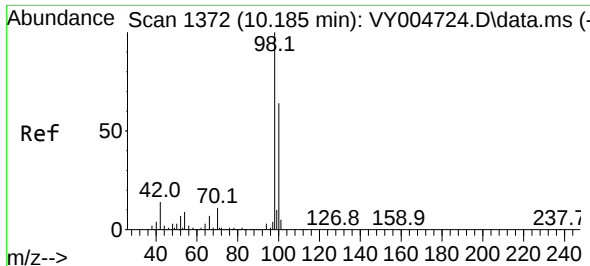
Delta R.T. -0.110 min

Lab File: VY004789.D

Acq: 14 May 2021 17:41

Tgt Ion:	117	Resp:	18750
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.3	114.5#
121	0.0	23.0	34.6#

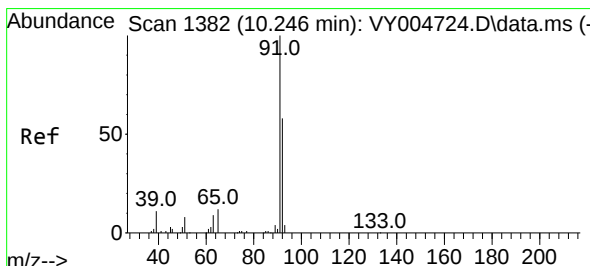
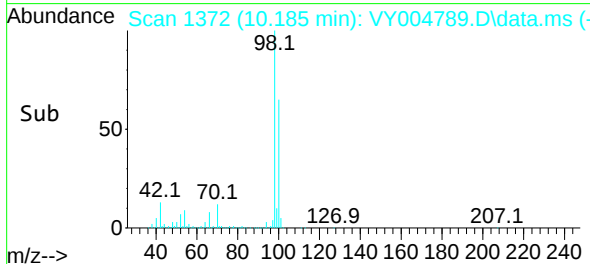
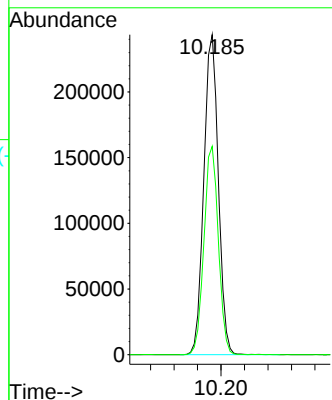
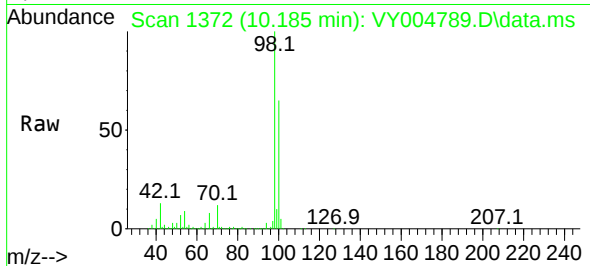




#50
Toluene-d8
Concen: 50.87 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

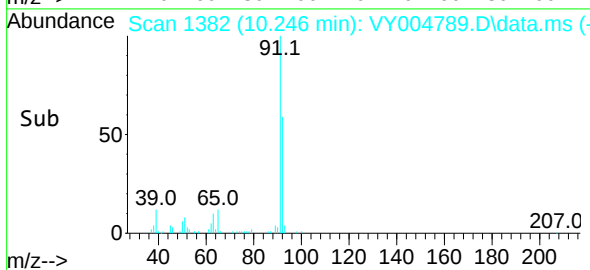
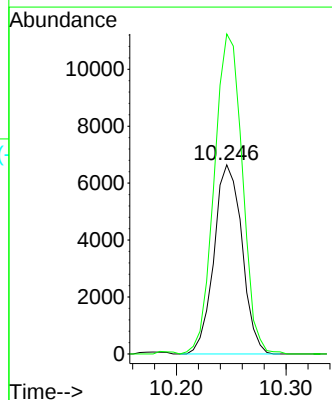
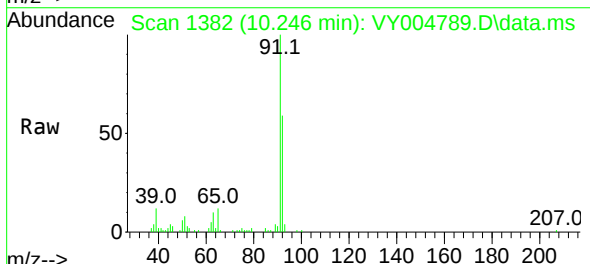
Instrument :
MSVOA_Y
ClientSampled :

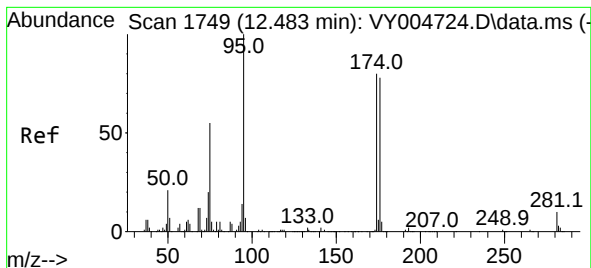
Tgt Ion: 98 Resp: 416678
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#52
Toluene
Concen: 1.94 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Tgt Ion: 92 Resp: 11779
Ion Ratio Lower Upper
92 100
91 170.0 138.2 207.4

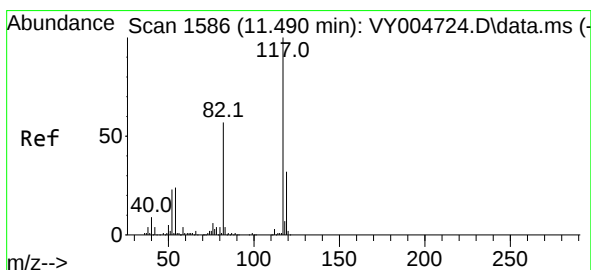
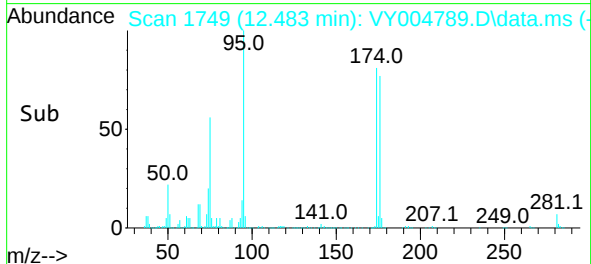
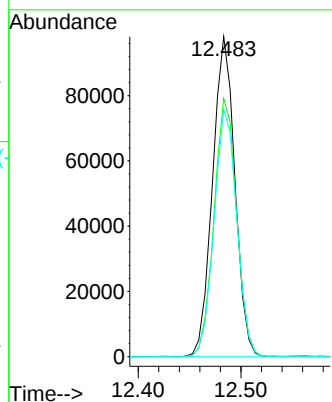
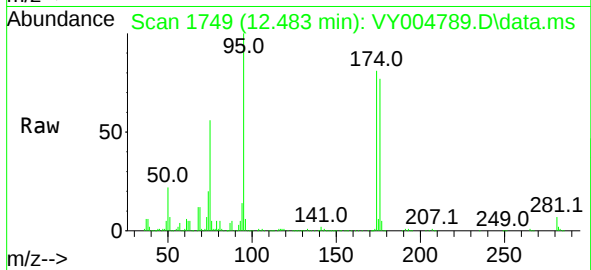




#62
4-Bromofluorobenzene
Concen: 53.45 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

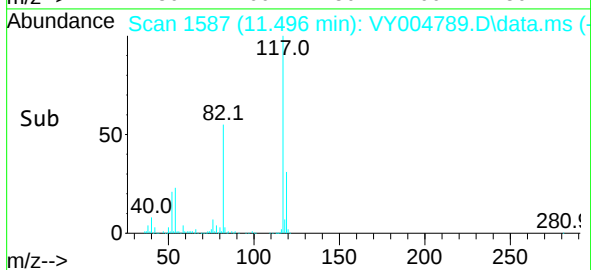
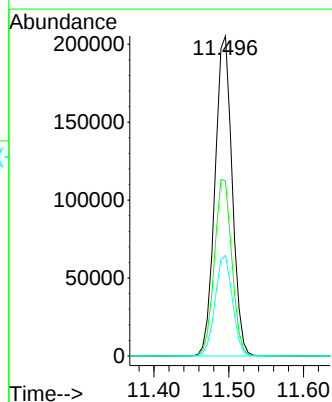
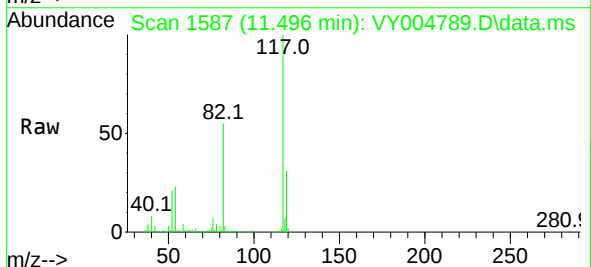
Instrument :
MSVOA_Y
ClientSampleId :

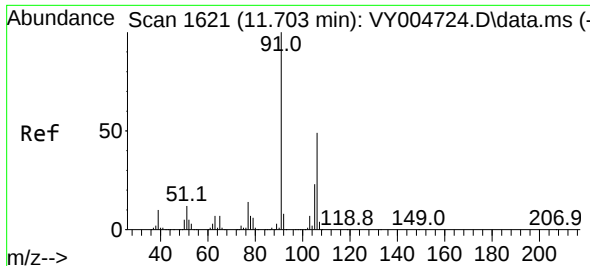
Tgt Ion: 95 Resp: 147785
Ion Ratio Lower Upper
95 100
174 81.6 0.0 164.2
176 78.5 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Tgt Ion: 117 Resp: 327880
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.2
119 31.4 25.8 38.6

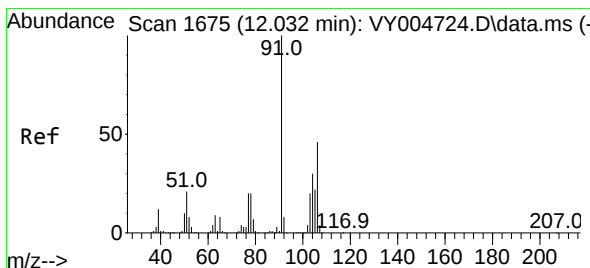
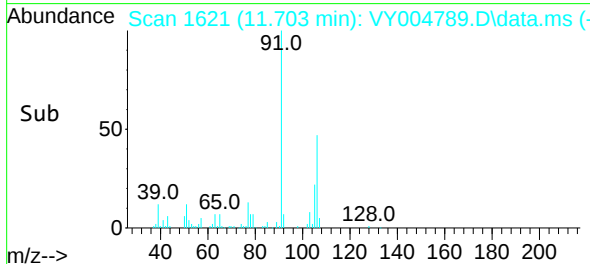
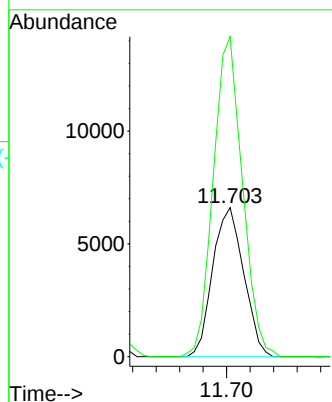
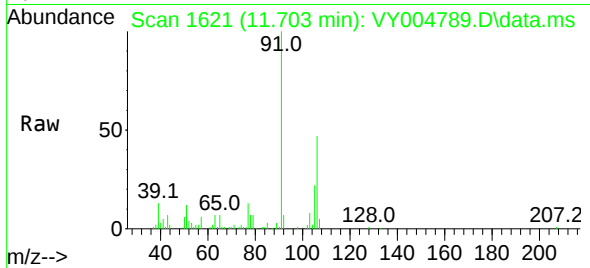




#68
m/p-Xylenes
Concen: 2.57 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

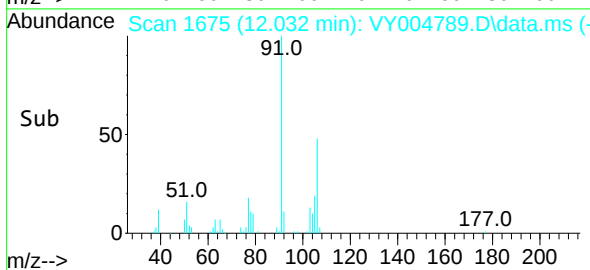
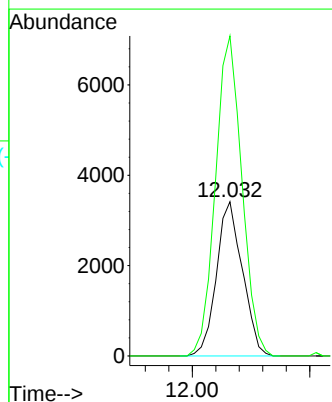
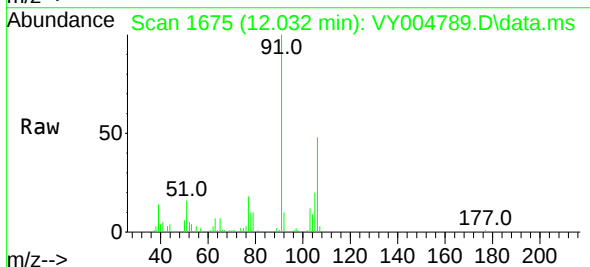
Instrument :
MSVOA_Y
ClientSampleId :

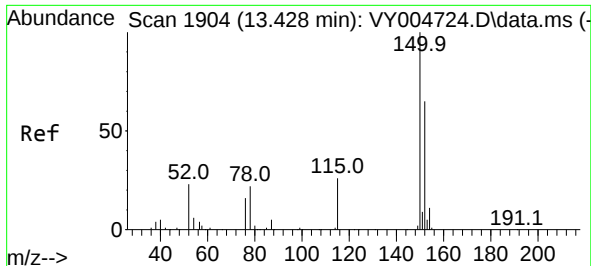
Tgt Ion:106 Resp: 12096
Ion Ratio Lower Upper
106 100
91 201.9 163.6 245.4



#69
o-Xylene
Concen: 1.19 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Tgt Ion:106 Resp: 5235
Ion Ratio Lower Upper
106 100
91 211.4 108.9 326.7

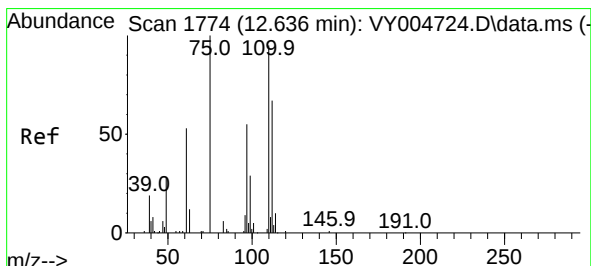
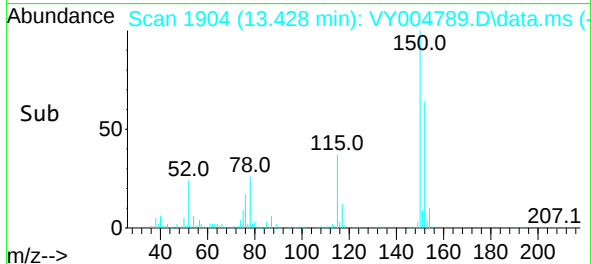
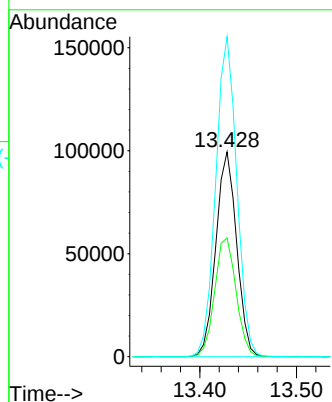
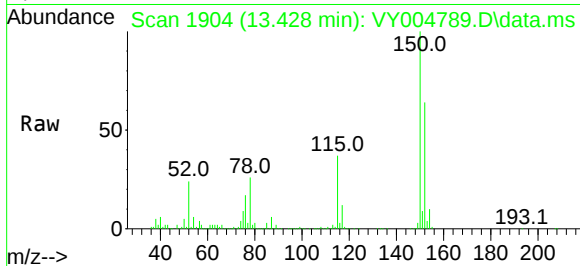




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

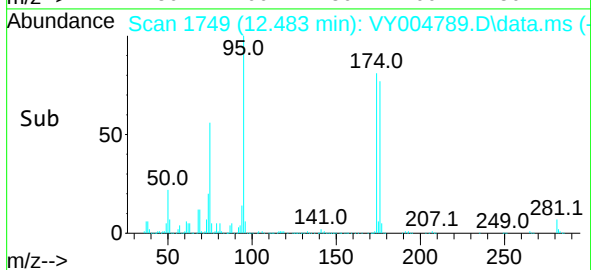
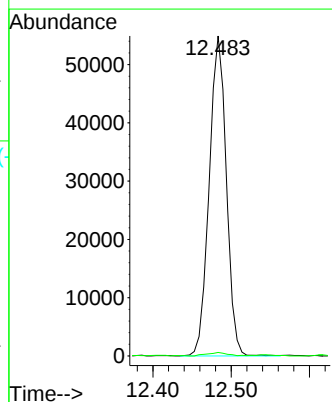
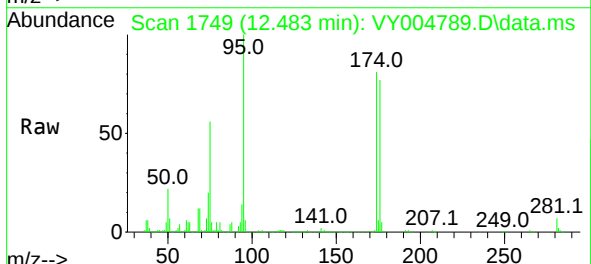
Instrument :
MSVOA_Y
ClientSampled :

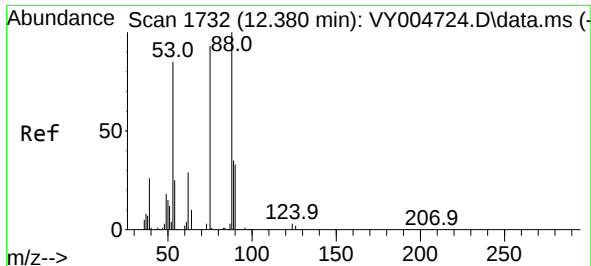
Tgt Ion:152 Resp: 148285
Ion Ratio Lower Upper
152 100
115 60.1 29.4 88.3
150 158.4 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 52.96 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Tgt Ion: 75 Resp: 83410
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

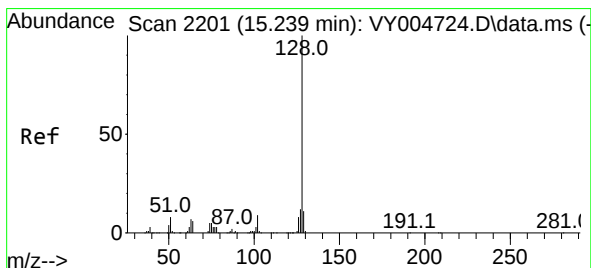
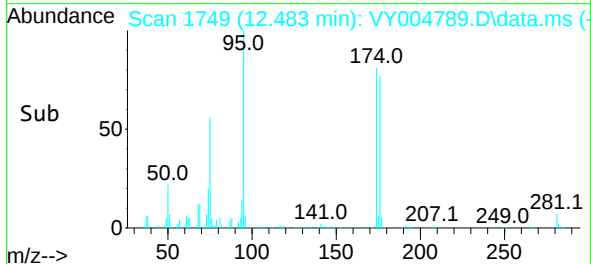
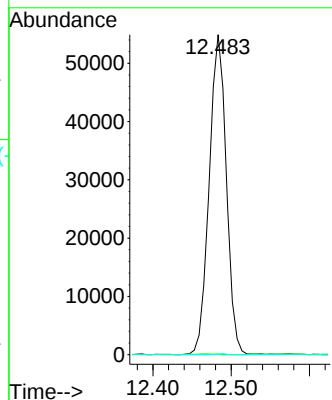
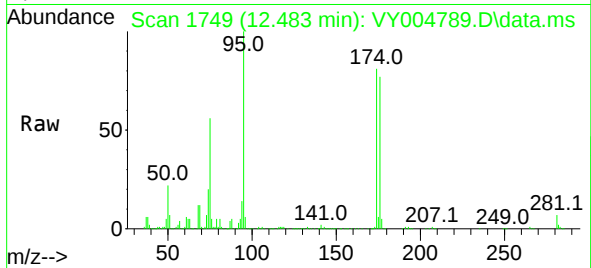




#81
trans-1,4-Dichloro-2-butene
Concen: 91.83 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 83410
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 11.83 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004789.D
Acq: 14 May 2021 17:41

Tgt Ion:128 Resp: 72059
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.7 8.6 13.0

