

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
 Data File : VY004836.D
 Acq On : 18 May 2021 18:57
 Operator : SY/MD
 Sample : M2436-04
 Misc : 6.85G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 19 01:06:35 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

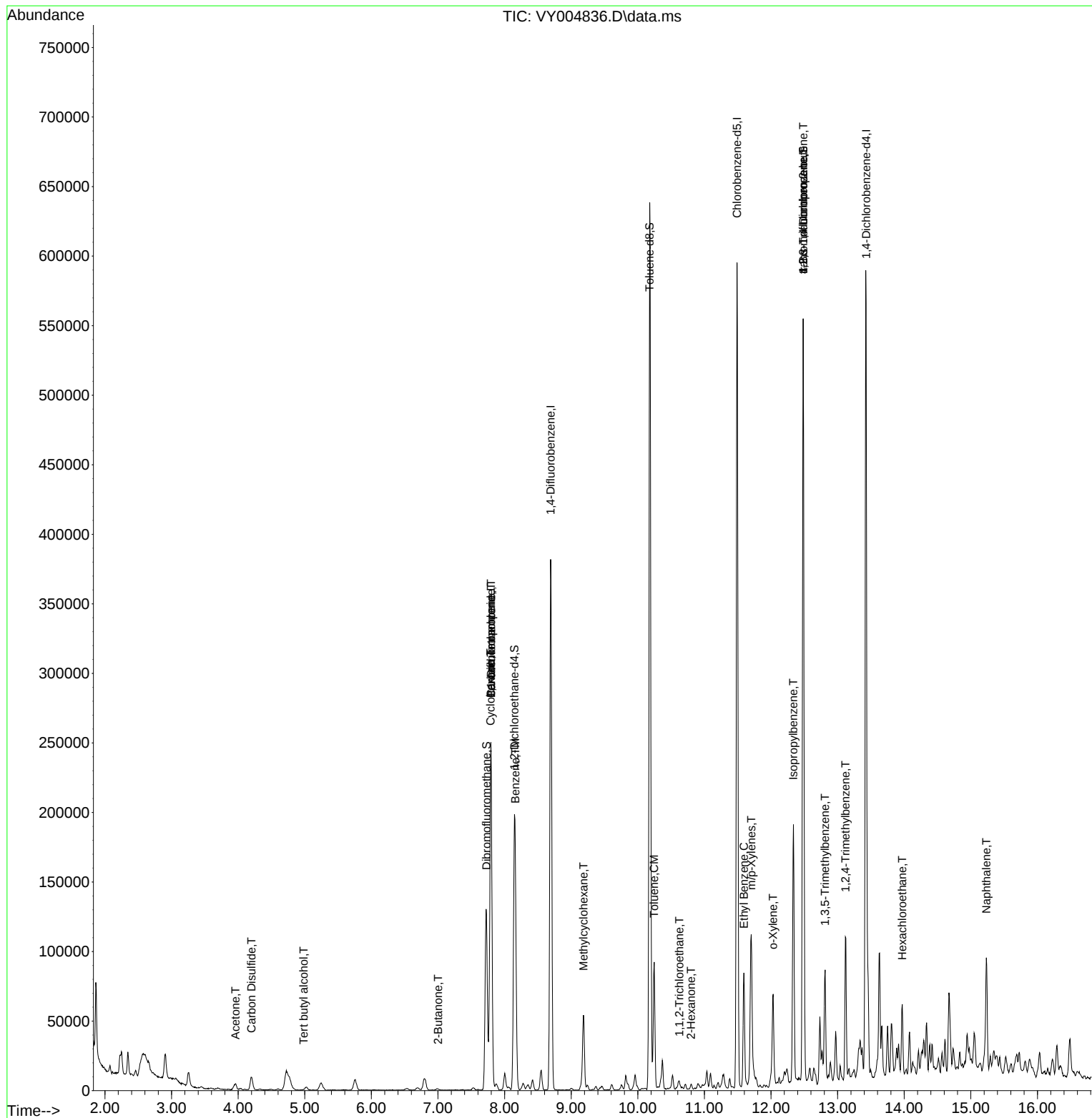
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	169674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	301914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139135	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122076	60.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.88%			
35) Dibromofluoromethane	7.728	113	90999	53.40	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.80%			
50) Toluene-d8	10.179	98	391904	50.91	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.82%			
62) 4-Bromofluorobenzene	12.483	95	140207	53.96	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.92%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	530	2.61	ug/l #	71
16) Acetone	3.960	43	5999	13.22	ug/l	98
17) Carbon Disulfide	4.198	76	18813	3.67	ug/l #	88
20) Methylene Chloride	4.722	84	8369	Below Cal		97
25) 2-Butanone	7.003	43	1160	1.44	ug/l #	51
31) Cyclohexane	7.789	56	13942	4.26	ug/l #	69
36) 1,1-Dichloropropene	7.795	75	14596	4.58	ug/l #	49
38) Carbon Tetrachloride	7.795	117	17543	6.12	ug/l #	16
39) Methylcyclohexane	9.185	83	20517	5.90	ug/l	98
40) Benzene	8.161	78	72192	8.00	ug/l	97
52) Toluene	10.246	92	35778	6.28	ug/l	100
55) 1,1,2-Trichloroethane	10.624	97	2064	1.14	ug/l #	21
59) 2-Hexanone	10.801	43	2017	1.36	ug/l #	27
67) Ethyl Benzene	11.593	91	54119	4.69	ug/l	97
68) m/p-Xylenes	11.703	106	30471	7.02	ug/l	99
69) o-Xylene	12.032	106	16245	4.01	ug/l	99
73) Isopropylbenzene	12.337	105	13102	1.25	ug/l	82
76) 1,2,3-Trichloropropane	12.483	75	77129	52.19	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	29166	3.35	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	77129	90.50	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	53104	6.09	ug/l	99
90) Hexachloroethane	13.971	117	1628	1.23	ug/l #	14
95) Naphthalene	15.233	128	61873	10.82	ug/l	99

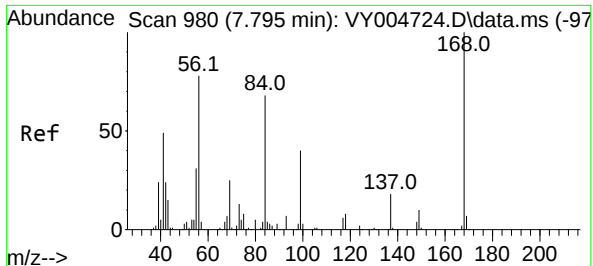
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :

Quant Time: May 19 01:06:35 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

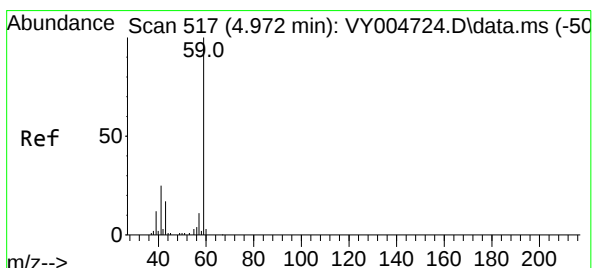
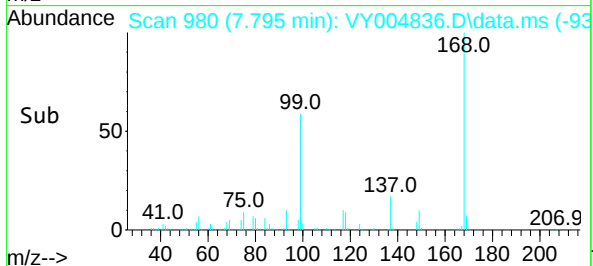
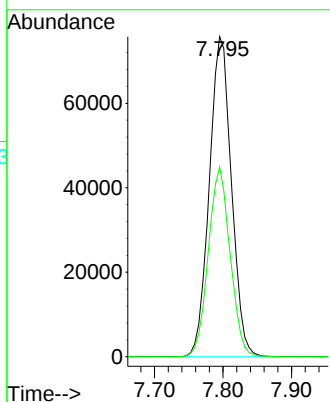
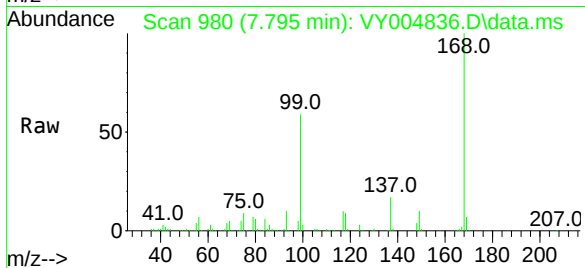




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

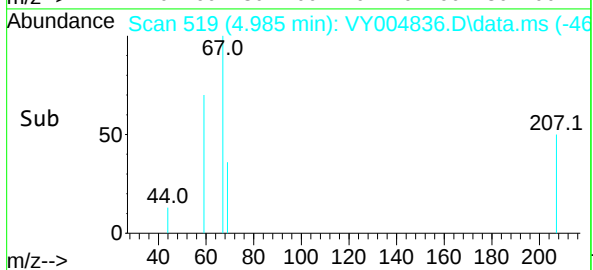
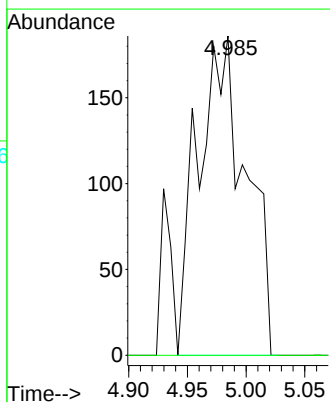
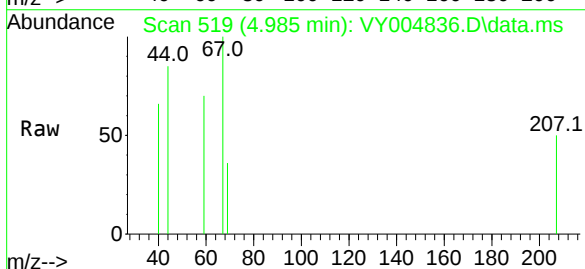
Instrument :
MSVOA_Y
ClientSampled :

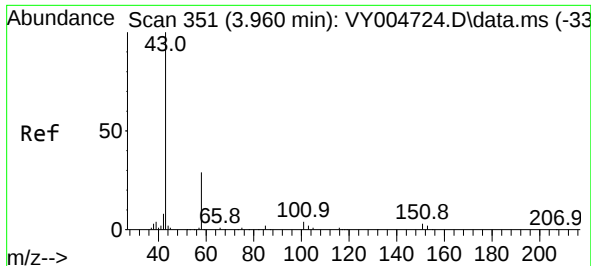
Tgt Ion:168 Resp: 169674
Ion Ratio Lower Upper
168 100
99 59.3 45.6 68.4



#11
Tert butyl alcohol
Concen: 2.61 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

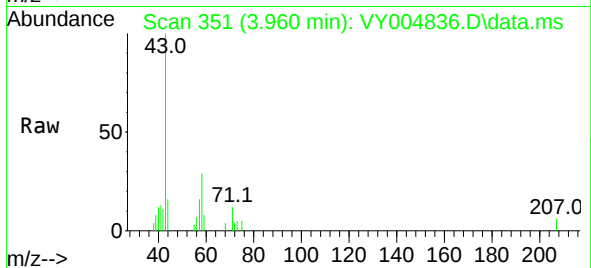
Tgt Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



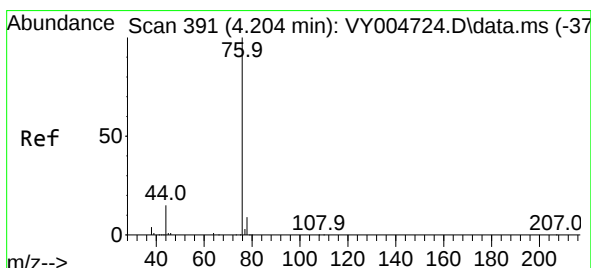
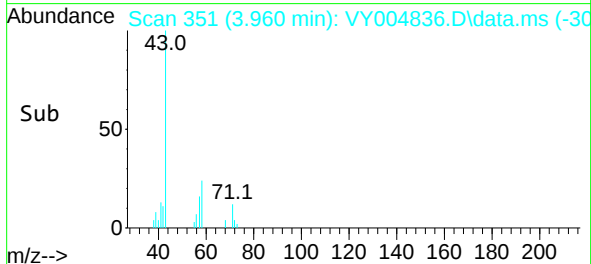
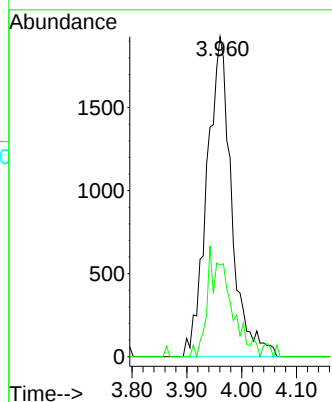


#16
Acetone
Concen: 13.22 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Instrument :
MSVOA_Y
ClientSampled :

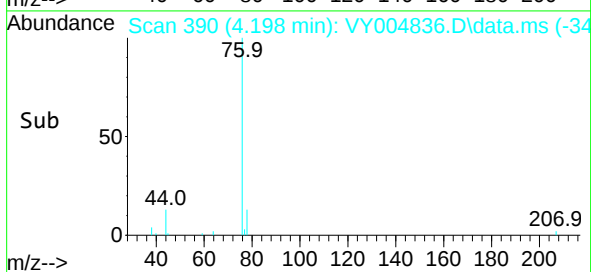
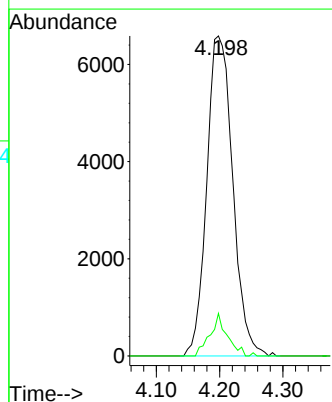
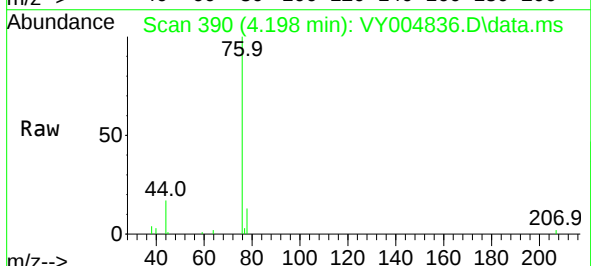


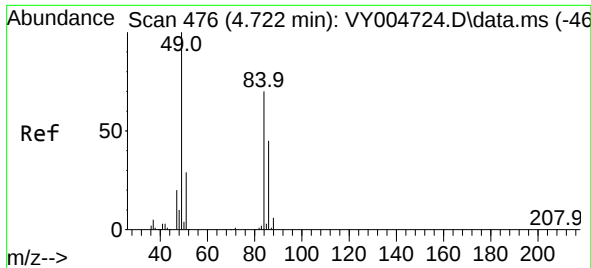
Tgt Ion: 43 Resp: 5999
Ion Ratio Lower Upper
43 100
58 28.6 23.6 35.4



#17
Carbon Disulfide
Concen: 3.67 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

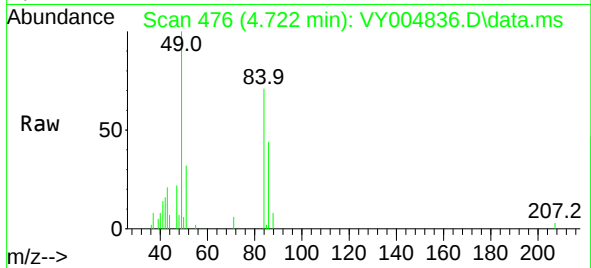
Tgt Ion: 76 Resp: 18813
Ion Ratio Lower Upper
76 100
78 13.3 7.2 10.8#



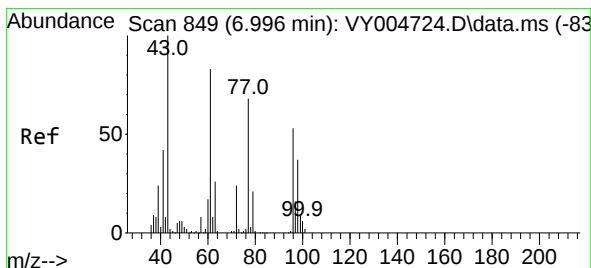
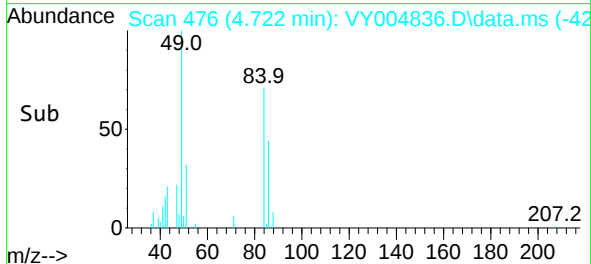
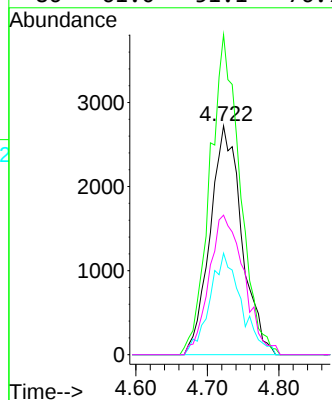


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Instrument :
MSVOA_Y
ClientSampled :

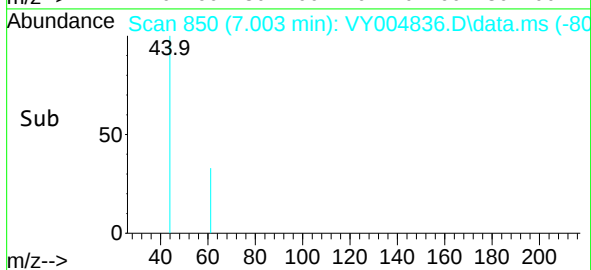
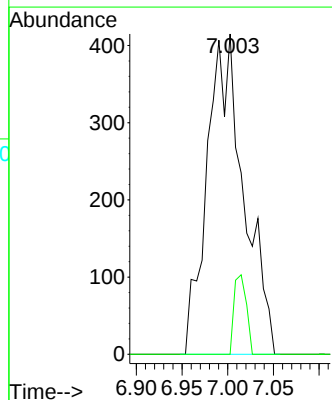
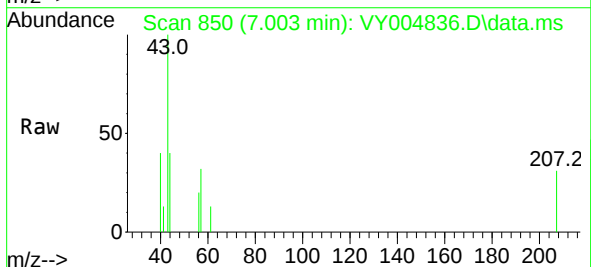


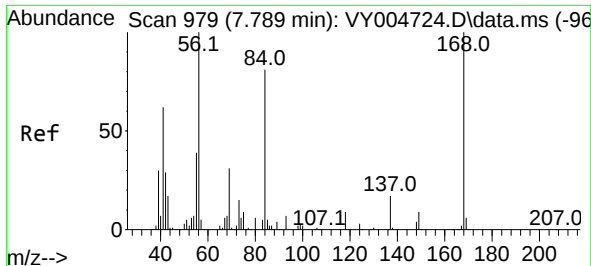
Tgt Ion: 84 Resp: 8369
Ion Ratio Lower Upper
84 100
49 139.9 113.8 170.8
51 44.3 33.5 50.3
86 61.0 51.1 76.7



#25
2-Butanone
Concen: 1.44 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

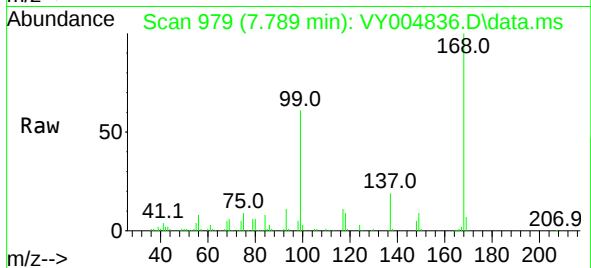
Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#



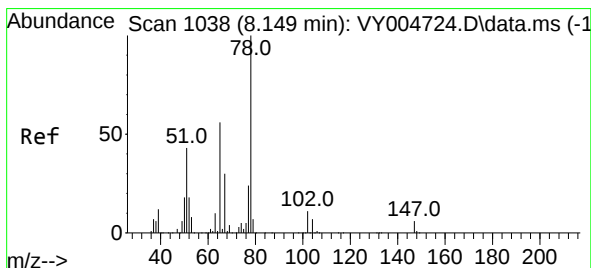
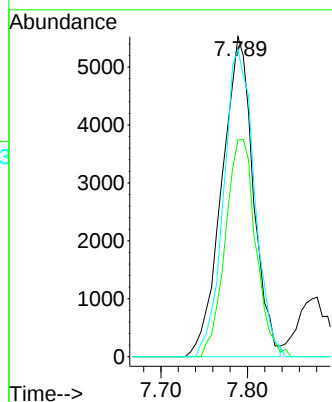
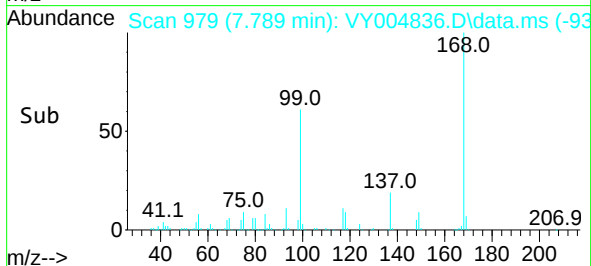


#31
Cyclohexane
Concen: 4.26 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

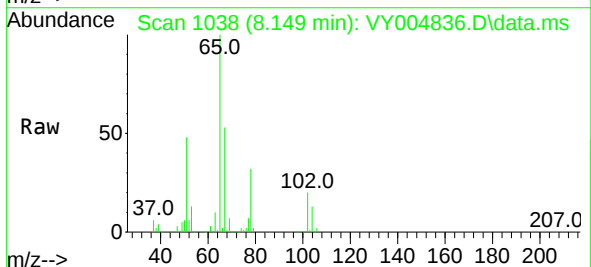
Instrument :
MSVOA_Y
ClientSampled :



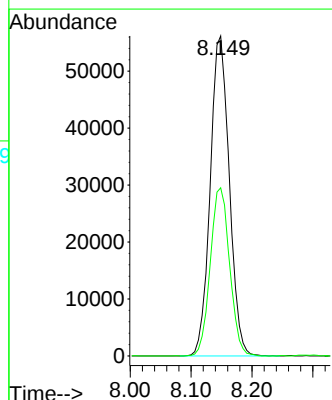
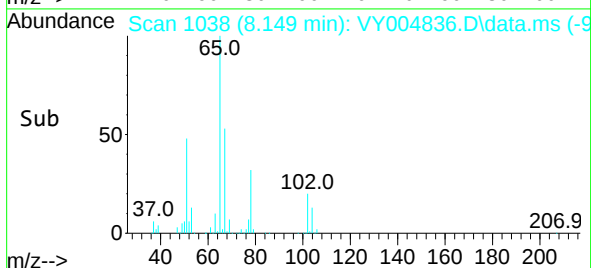
Tgt Ion: 56 Resp: 13942
Ion Ratio Lower Upper
56 100
69 67.7 24.4 36.6#
84 96.0 64.8 97.2

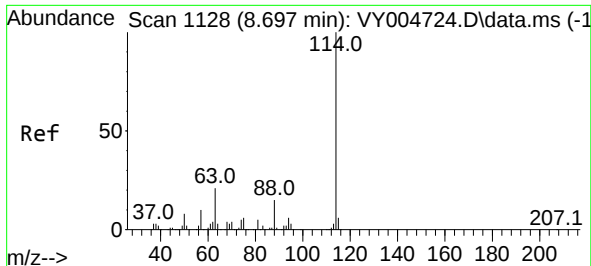


#33
1,2-Dichloroethane-d4
Concen: 60.44 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57



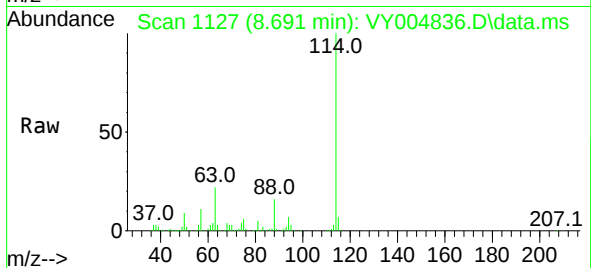
Tgt Ion: 65 Resp: 122076
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.0



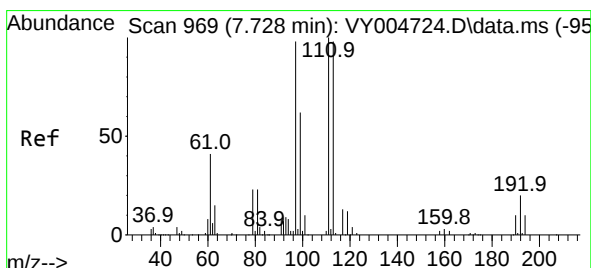
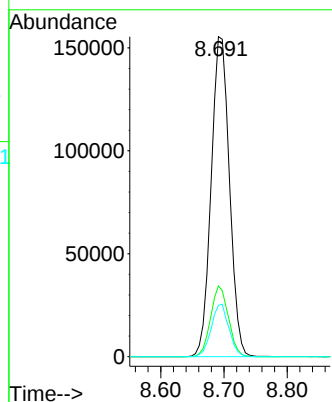
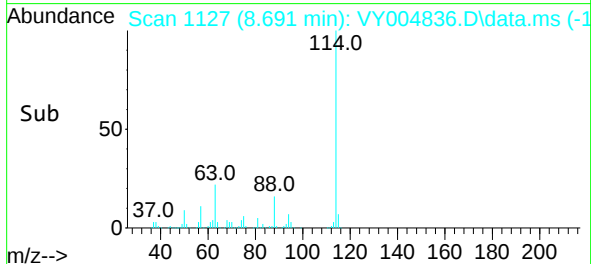


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

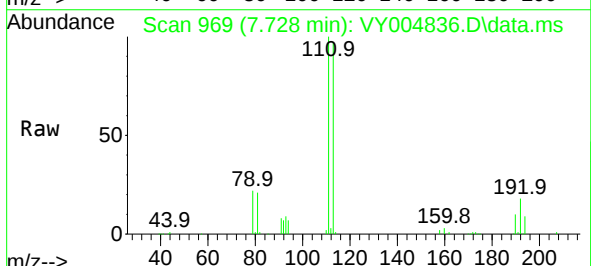
Instrument :
MSVOA_Y
ClientSampled :



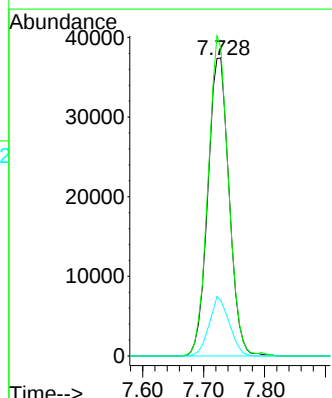
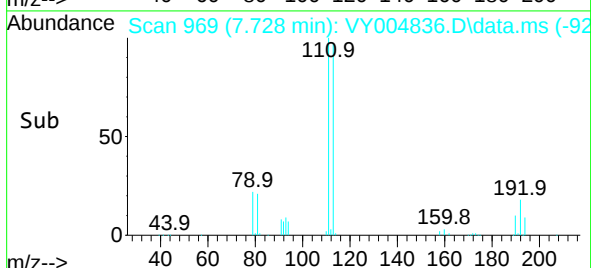
Tgt Ion:114 Resp: 311298
Ion Ratio Lower Upper
114 100
63 22.1 0.0 42.8
88 16.0 0.0 31.0

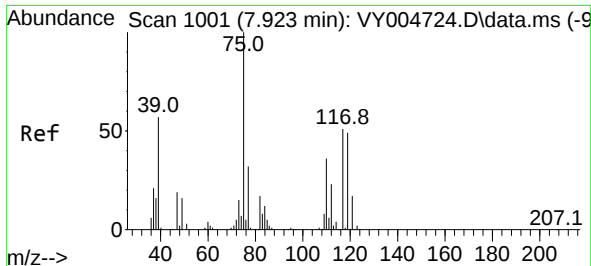


#35
Dibromofluoromethane
Concen: 53.40 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57



Tgt Ion:113 Resp: 90999
Ion Ratio Lower Upper
113 100
111 102.8 80.5 120.7
192 18.7 15.0 22.6

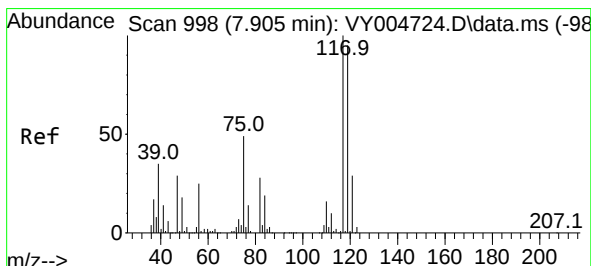
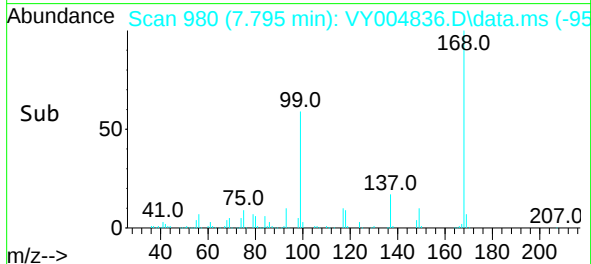
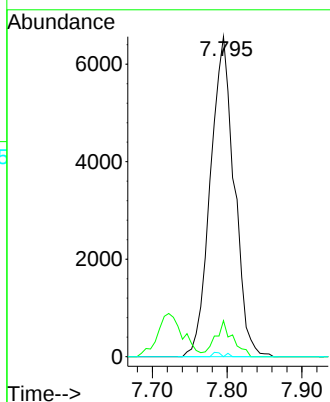
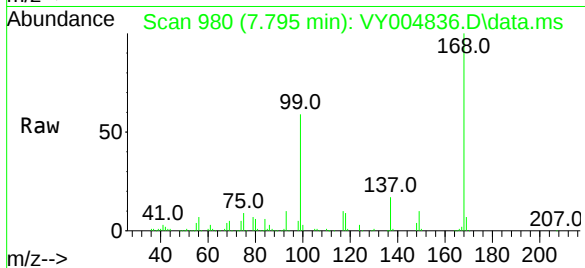




#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

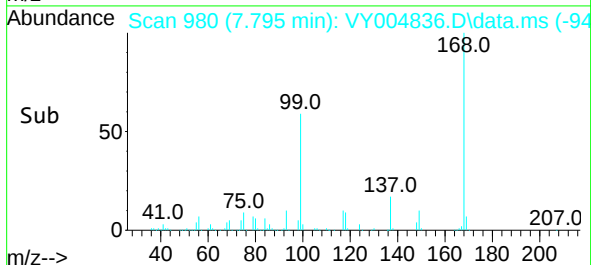
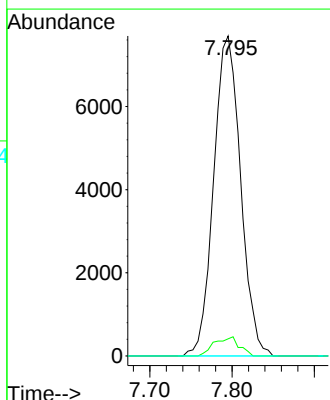
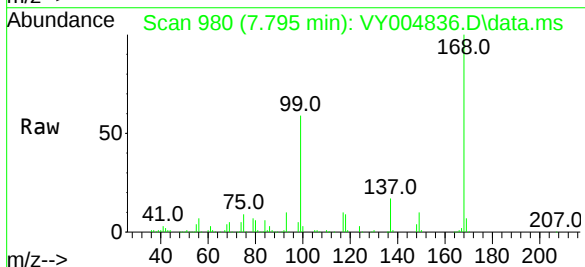
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ClientSampled :

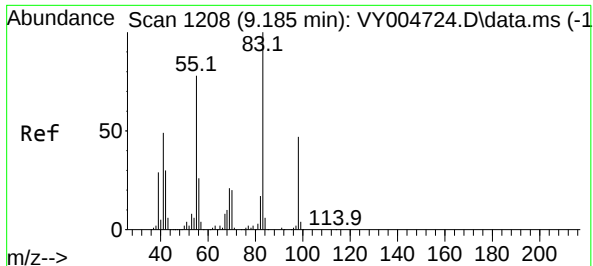
Tgt Ion: 75 Resp: 14596
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Tgt Ion: 117 Resp: 17543
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 5.90 ug/l

RT: 9.185 min Scan# 1208

Delta R.T. 0.000 min

Lab File: VY004836.D

Acq: 18 May 2021 18:57

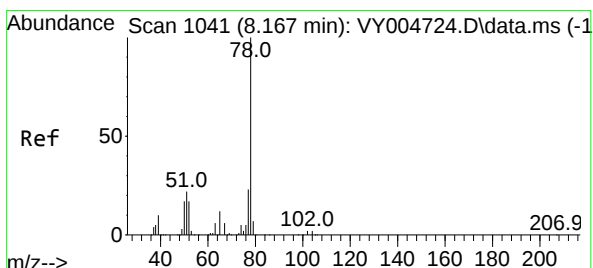
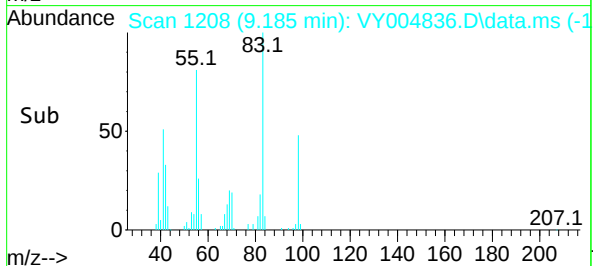
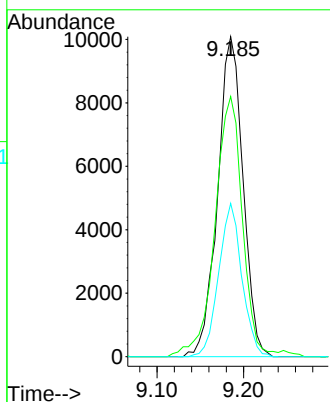
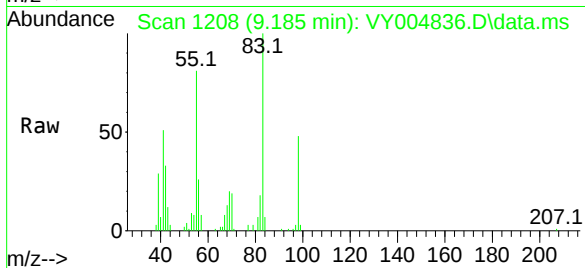
Tgt Ion: 83 Resp: 20517

Ion Ratio Lower Upper

83 100

55 80.0 62.6 94.0

98 47.9 37.8 56.6



#40

Benzene

Concen: 8.00 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY004836.D

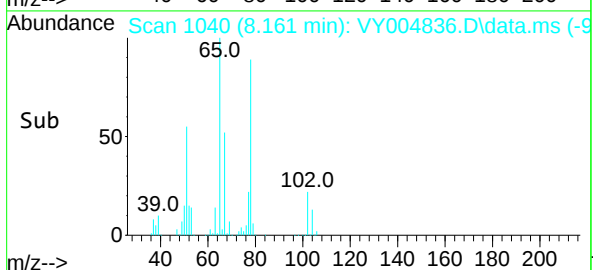
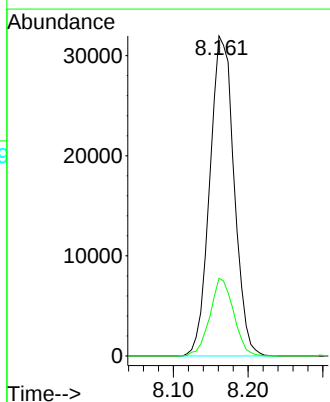
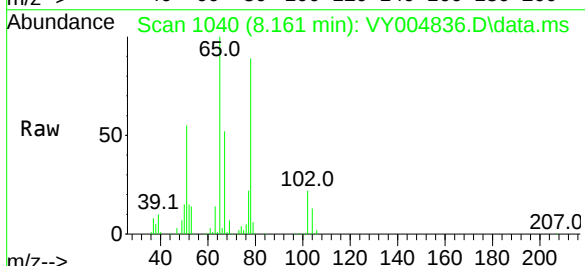
Acq: 18 May 2021 18:57

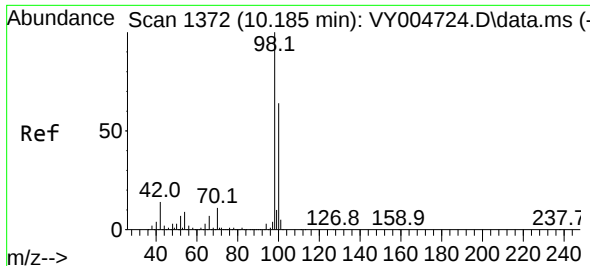
Tgt Ion: 78 Resp: 72192

Ion Ratio Lower Upper

78 100

77 24.2 18.4 27.6

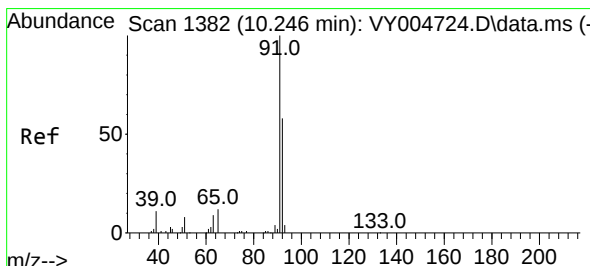
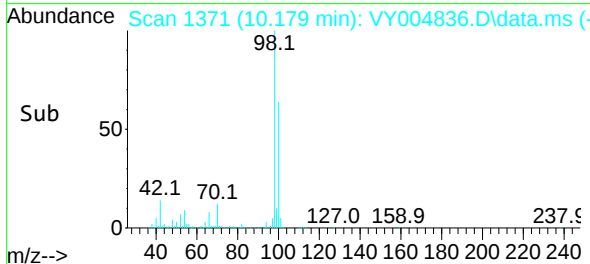
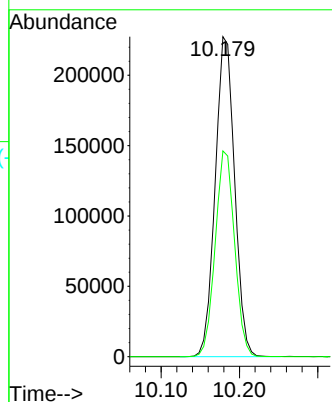
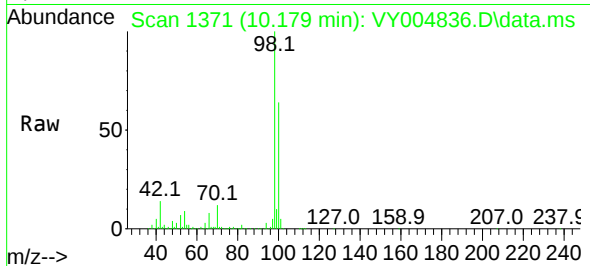




#50
Toluene-d8
Concen: 50.91 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

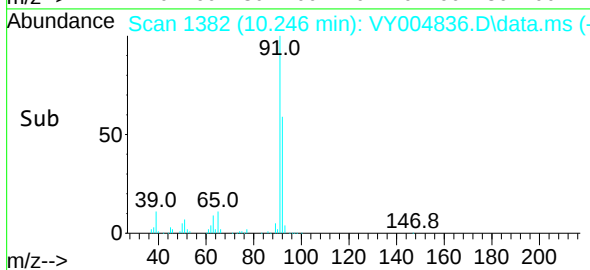
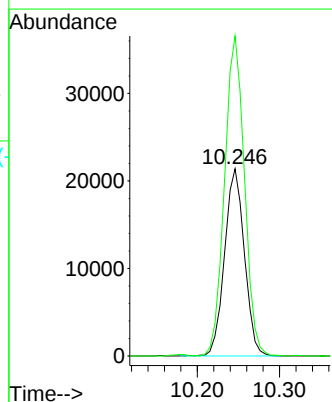
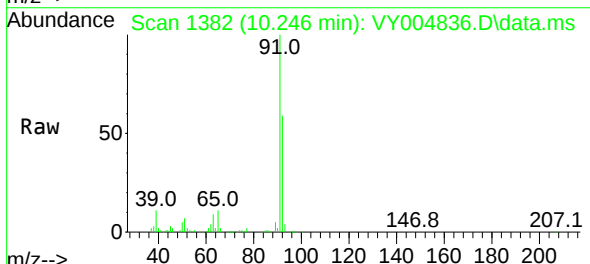
Instrument :
MSVOA_Y
ClientSampled :

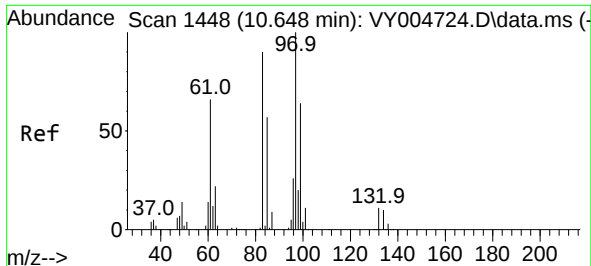
Tgt Ion: 98 Resp: 391904
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#52
Toluene
Concen: 6.28 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

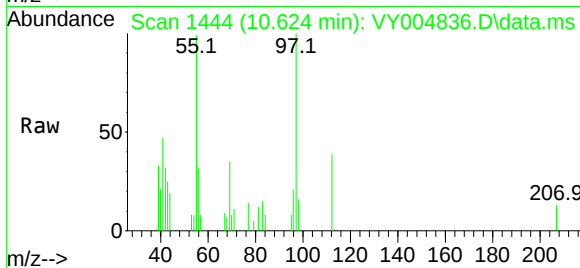
Tgt Ion: 92 Resp: 35778
Ion Ratio Lower Upper
92 100
91 172.2 138.2 207.4



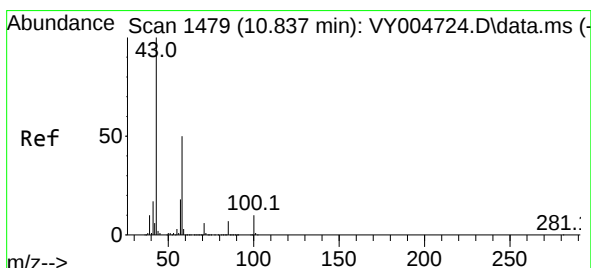
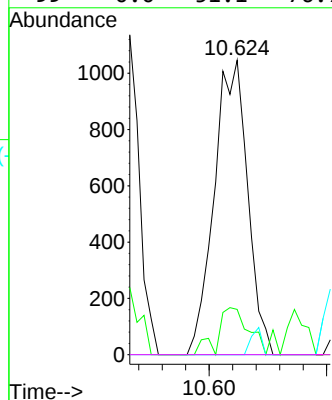
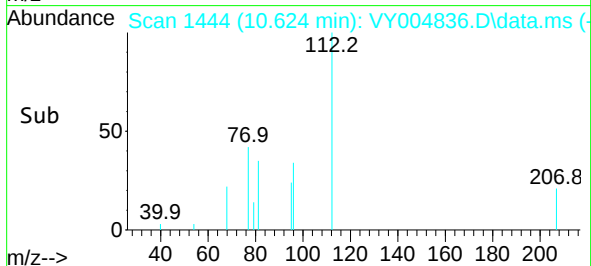


#55
1,1,2-Trichloroethane
Concen: 1.14 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

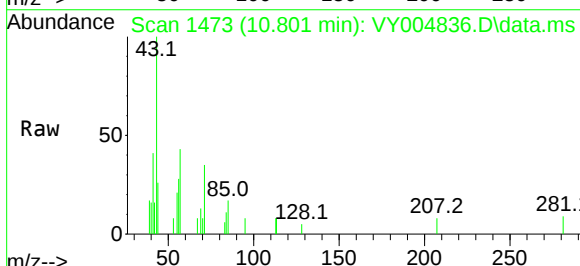
Instrument :
MSVOA_Y
ClientSampled :



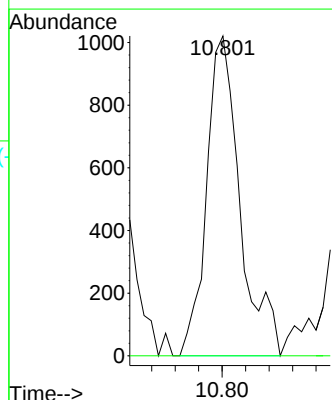
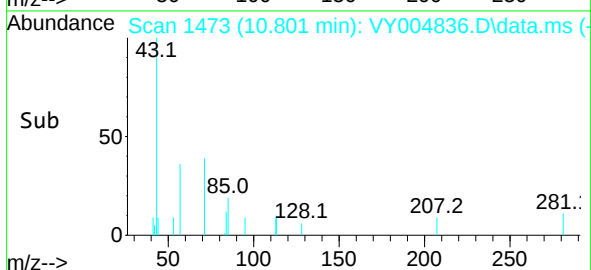
Tgt Ion:	97	Resp:	2064
Ion	Ratio	Lower	Upper
97	100		
83	15.4	71.9	107.9#
85	0.0	45.8	68.6#
99	0.0	51.1	76.7#

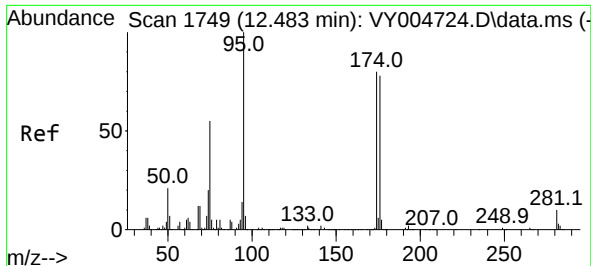


#59
2-Hexanone
Concen: 1.36 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57



Tgt Ion:	43	Resp:	2017
Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.9	74.8#

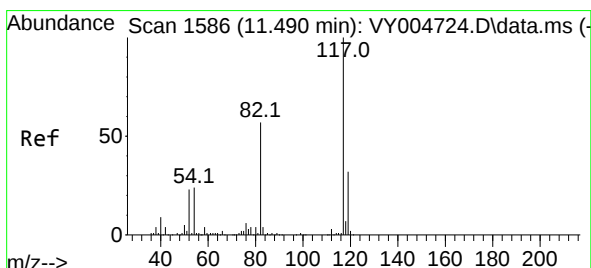
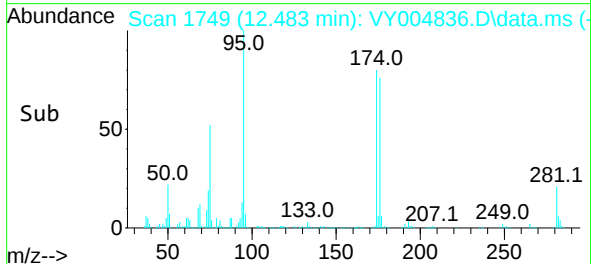
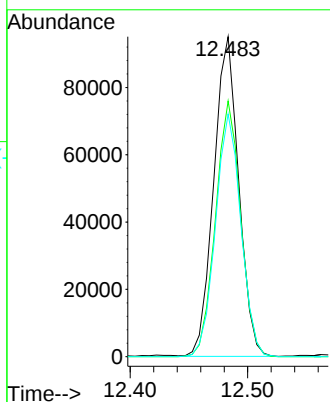
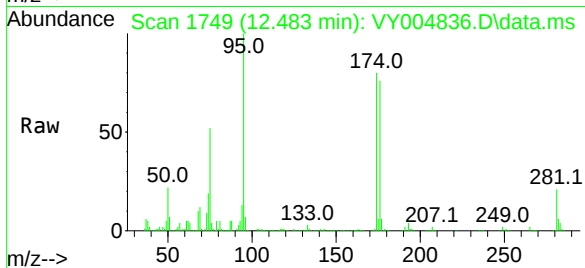




#62
4-Bromofluorobenzene
Concen: 53.96 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

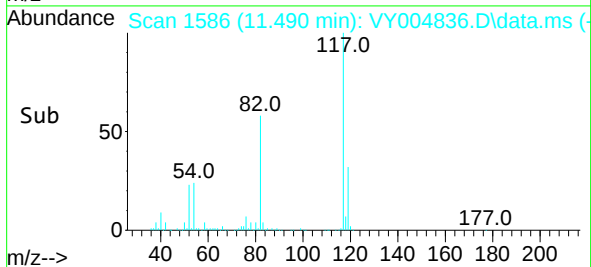
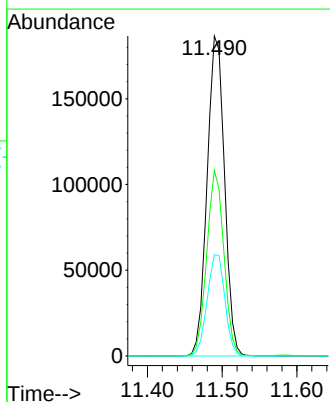
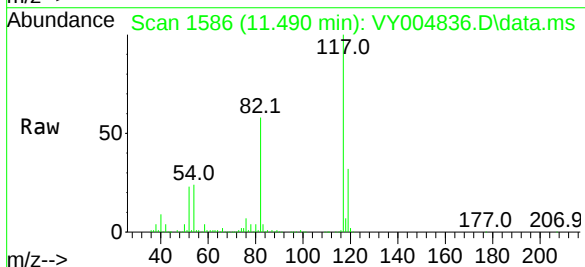
Instrument :
MSVOA_Y
ClientSampleId :

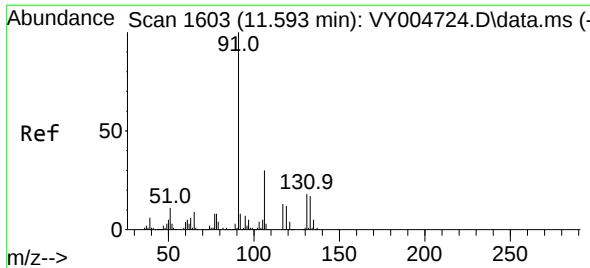
Tgt Ion: 95 Resp: 140207
Ion Ratio Lower Upper
95 100
174 80.5 0.0 164.2
176 77.0 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Tgt Ion: 117 Resp: 301914
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 31.6 25.8 38.6

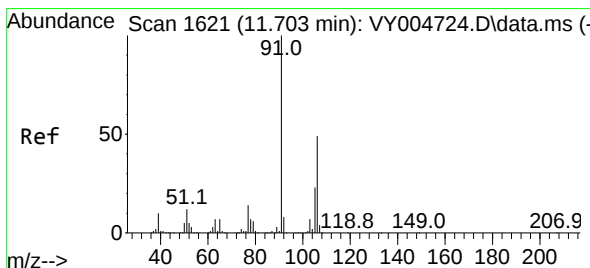
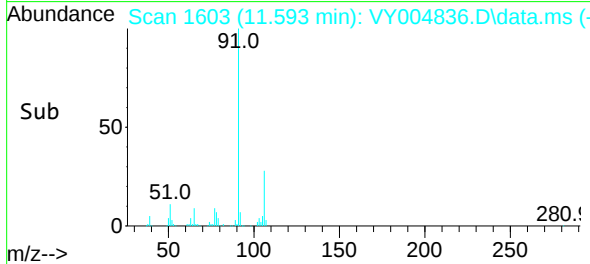
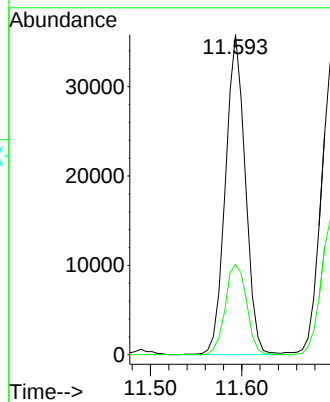
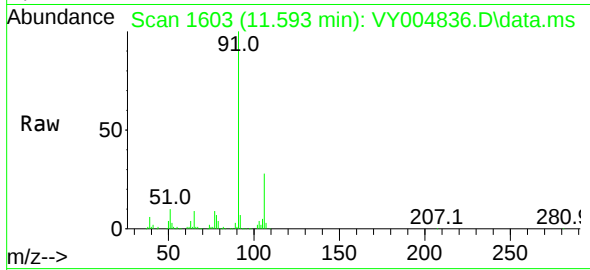




#67
Ethyl Benzene
Concen: 4.69 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

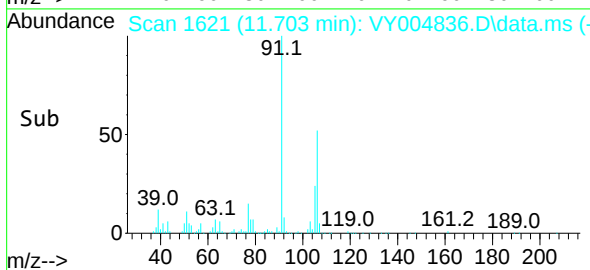
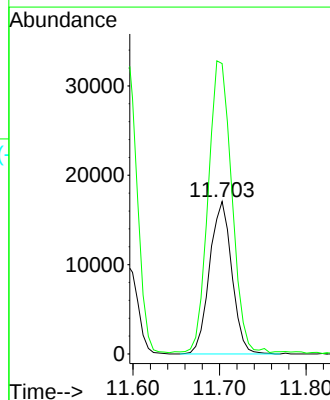
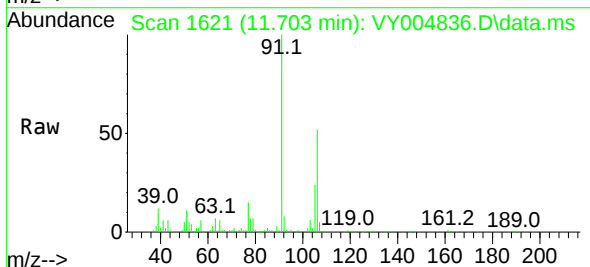
Instrument :
MSVOA_Y
ClientSampled :

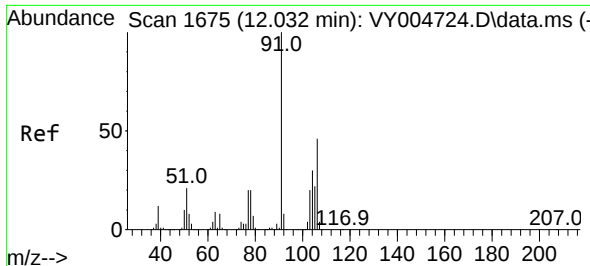
Tgt Ion: 91 Resp: 54119
Ion Ratio Lower Upper
91 100
106 28.2 24.0 36.0



#68
m/p-Xylenes
Concen: 7.02 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Tgt Ion: 106 Resp: 30471
Ion Ratio Lower Upper
106 100
91 202.9 163.6 245.4

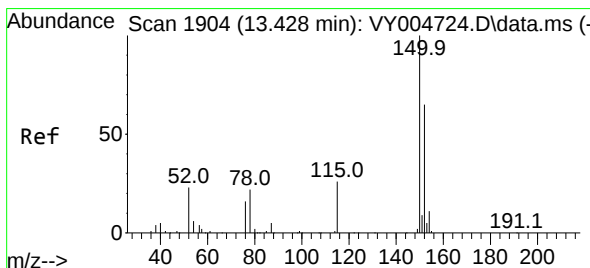
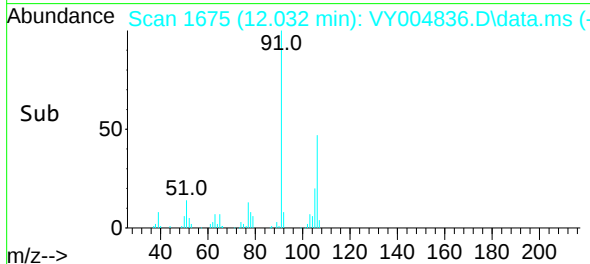
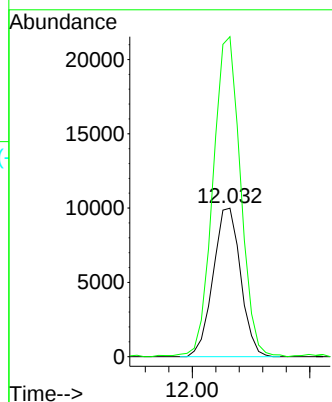
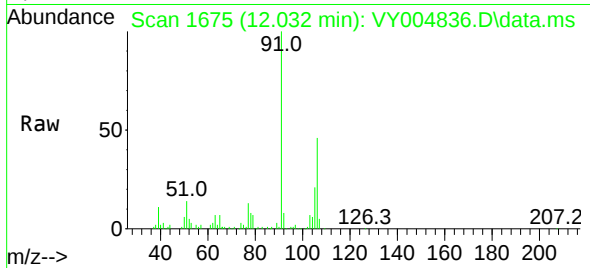




#69
o-Xylene
Concen: 4.01 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

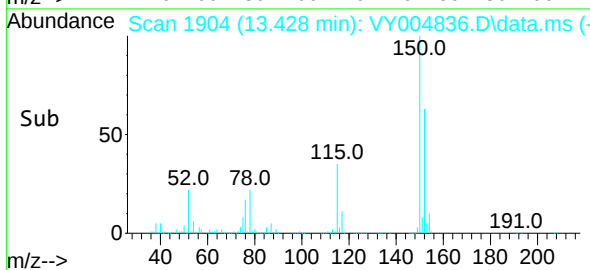
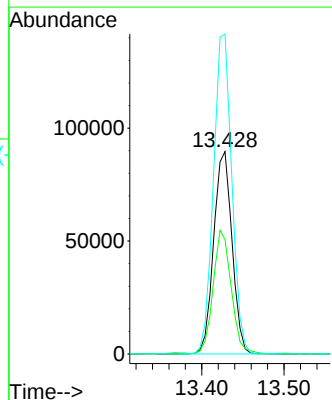
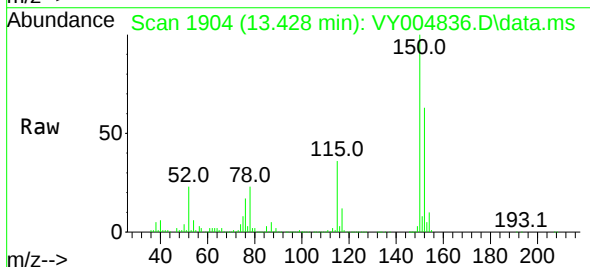
Instrument :
MSVOA_Y
ClientSampled :

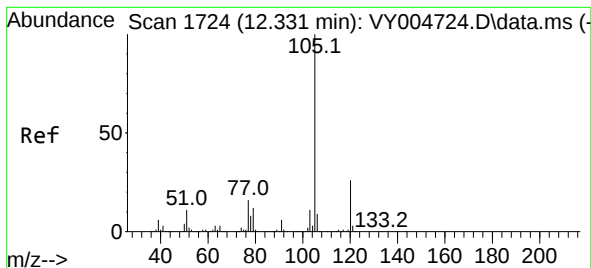
Tgt Ion:106 Resp: 16245
Ion Ratio Lower Upper
106 100
91 216.1 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Tgt Ion:152 Resp: 139135
Ion Ratio Lower Upper
152 100
115 59.9 29.4 88.3
150 158.1 0.0 349.8





#73

Isopropylbenzene

Concen: 1.25 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY004836.D

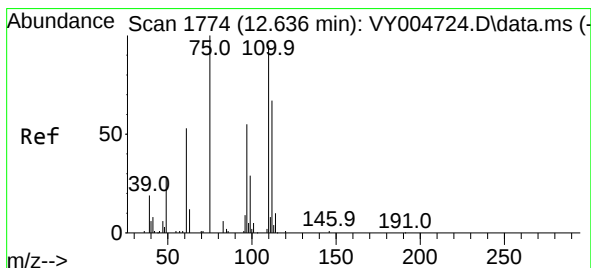
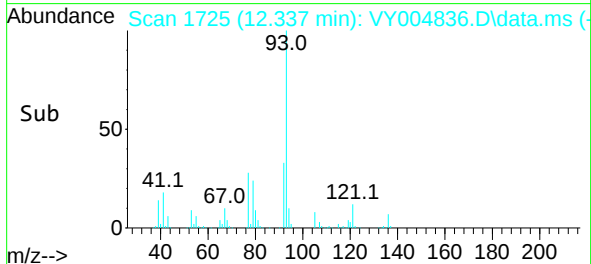
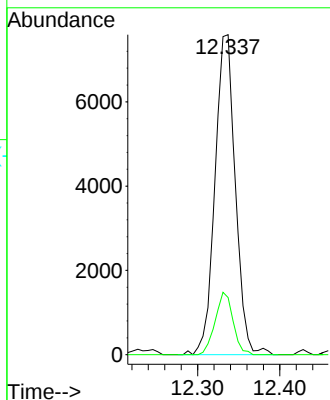
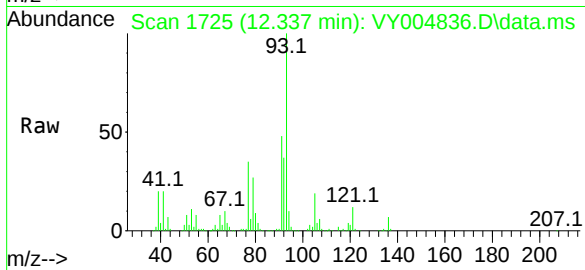
Acq: 18 May 2021 18:57

Tgt Ion:105 Resp: 13102

Ion Ratio Lower Upper

105 100

120 17.1 13.1 39.1



#76

1,2,3-Trichloropropane

Concen: 52.19 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY004836.D

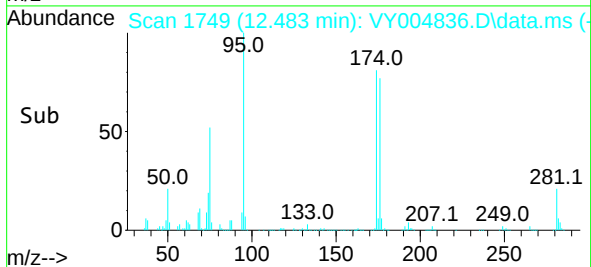
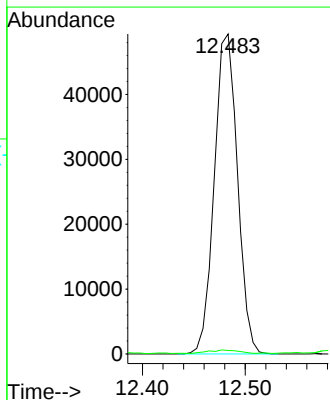
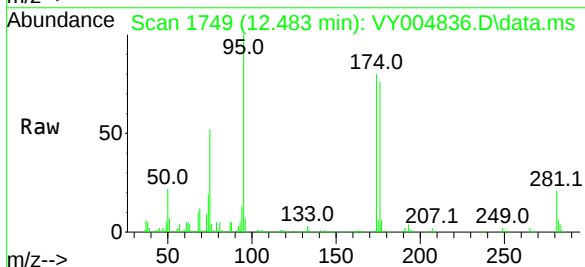
Acq: 18 May 2021 18:57

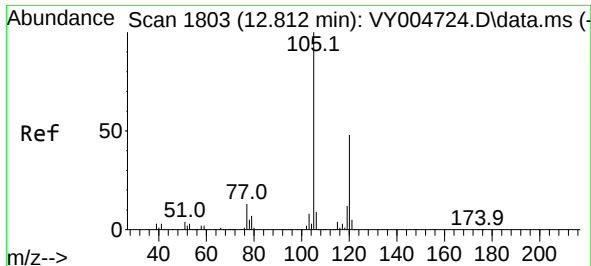
Tgt Ion: 75 Resp: 77129

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

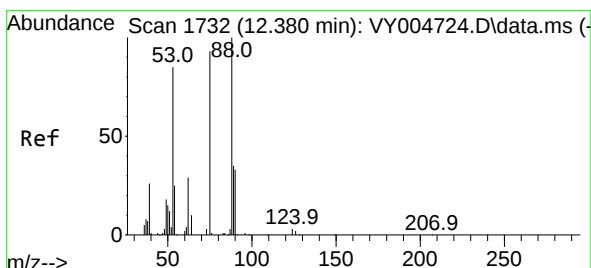
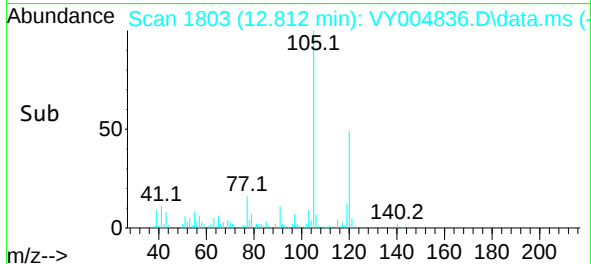
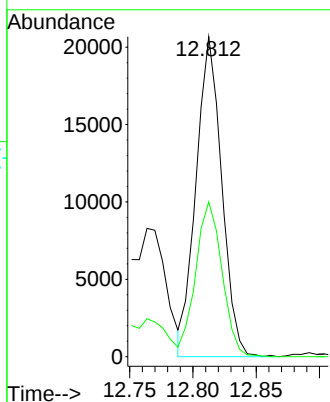
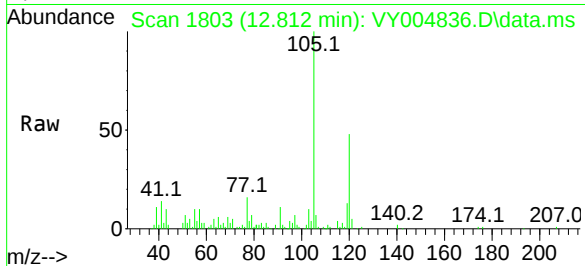




#80
 1,3,5-Trimethylbenzene
 Concen: 3.35 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY004836.D
 Acq: 18 May 2021 18:57

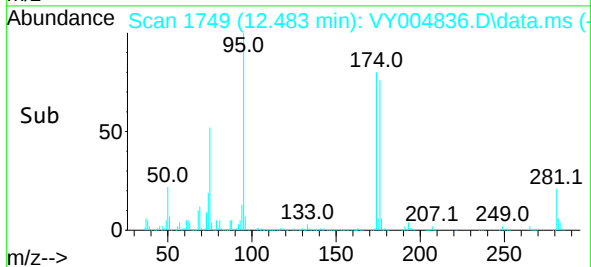
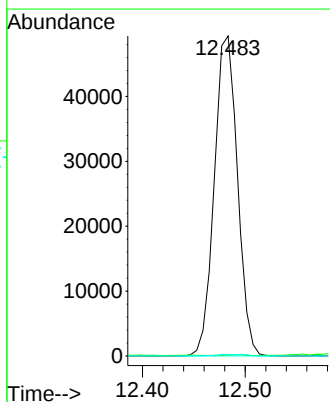
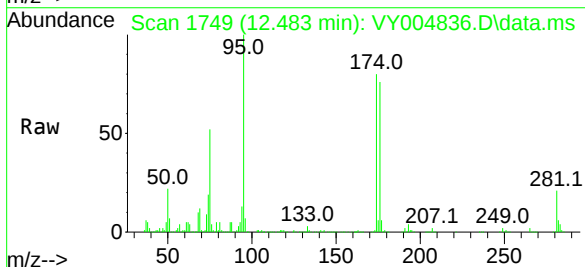
Instrument :
 MSVOA_Y
 ClientSampled :

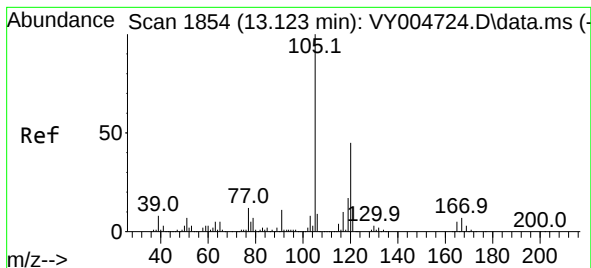
Tgt Ion:105 Resp: 29166
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.50 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY004836.D
 Acq: 18 May 2021 18:57

Tgt Ion: 75 Resp: 77129
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.6 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 6.09 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY004836.D

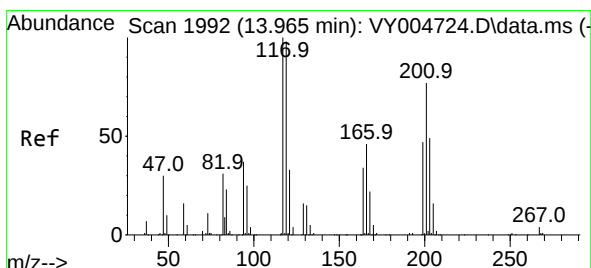
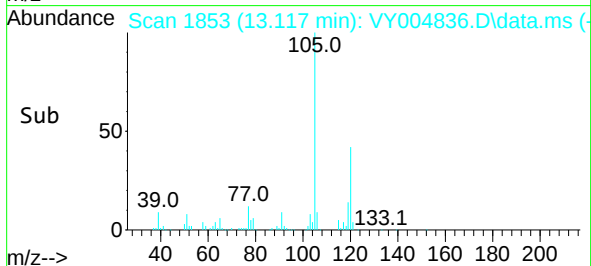
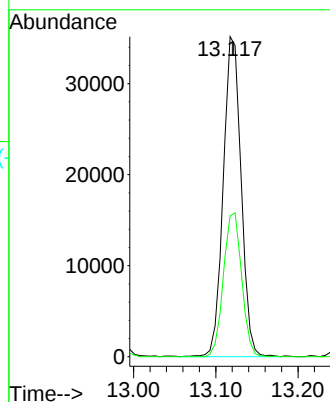
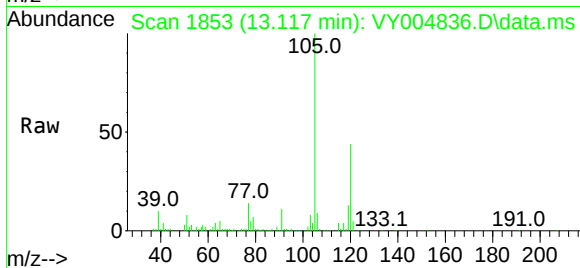
Acq: 18 May 2021 18:57

Tgt Ion:105 Resp: 53104

Ion Ratio Lower Upper

105 100

120 45.8 22.5 67.5



#90

Hexachloroethane

Concen: 1.23 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.006 min

Lab File: VY004836.D

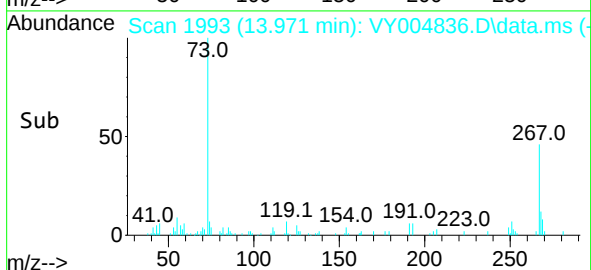
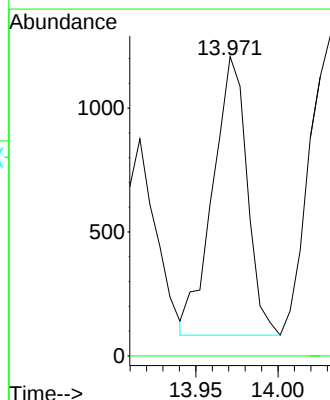
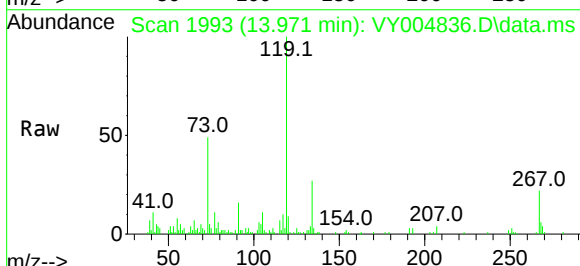
Acq: 18 May 2021 18:57

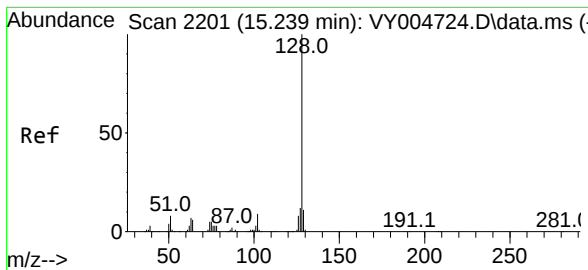
Tgt Ion:117 Resp: 1628

Ion Ratio Lower Upper

117 100

201 0.0 35.9 107.8#





#95
Naphthalene
Concen: 10.82 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004836.D
Acq: 18 May 2021 18:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 61873
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.2 8.6 13.0

