

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051821\
 Data File : VY004835.D
 Acq On : 18 May 2021 18:34
 Operator : SY/MD
 Sample : M2436-01
 Misc : 6.54G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 19 01:06:18 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)

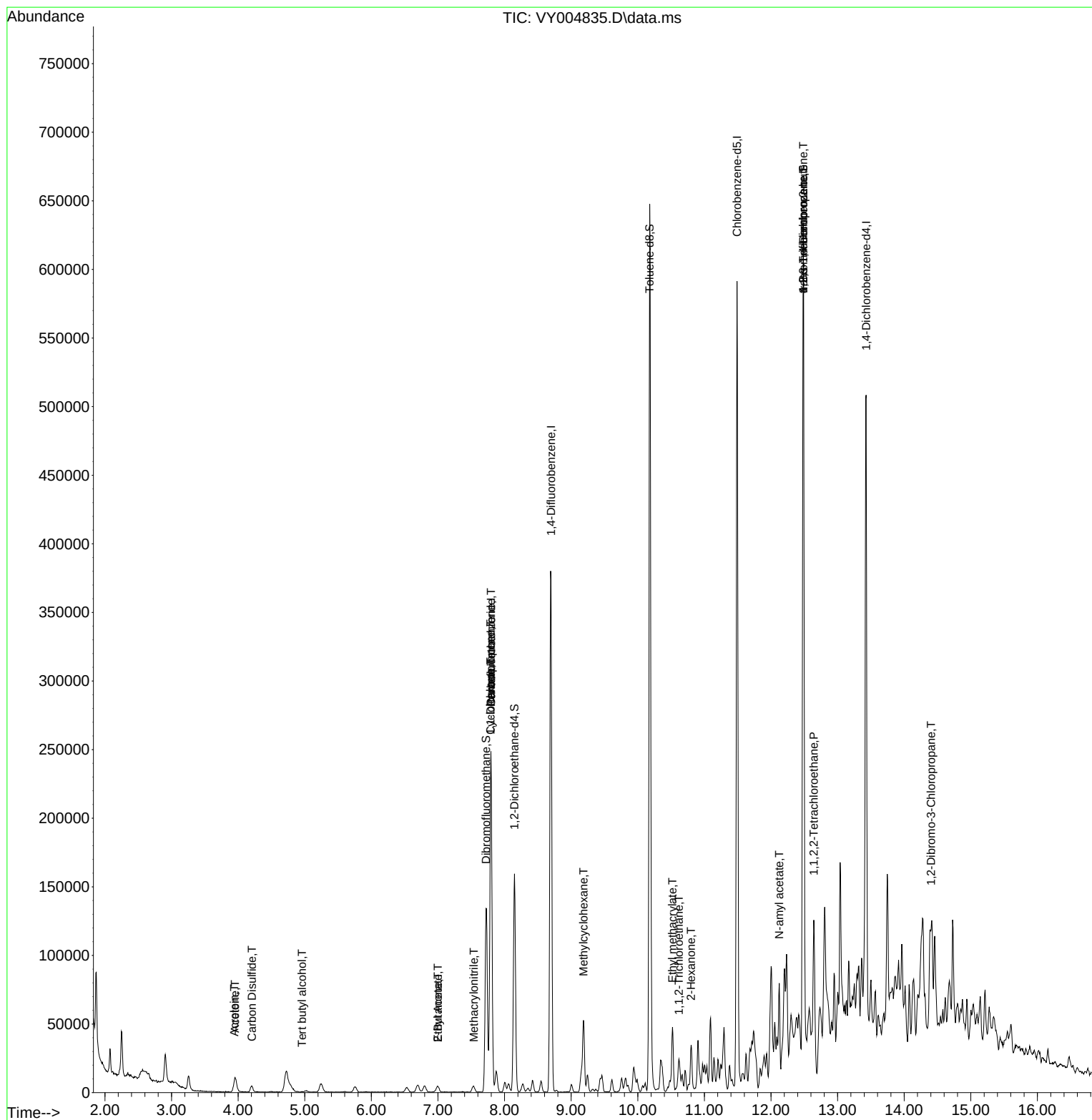
Internal Standards						
1) Pentafluorobenzene	7.795	168	172329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	315256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	292883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111337	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	118815	57.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.84%			
35) Dibromofluoromethane	7.722	113	95074	55.09	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.18%			
50) Toluene-d8	10.179	98	389776	49.99	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.98%			
62) 4-Bromofluorobenzene	12.483	95	131184	49.85	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.70%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	730	3.54	ug/l #	71
13) Acrolein	3.942	56	936	3.86	ug/l #	61
16) Acetone	3.954	43	16420	35.64	ug/l	97
17) Carbon Disulfide	4.204	76	8532	1.64	ug/l	98
20) Methylene Chloride	4.723	84	8231	Below Cal		97
25) 2-Butanone	6.997	43	6006	7.34	ug/l	97
31) Cyclohexane	7.789	56	11320	3.41	ug/l #	61
36) 1,1-Dichloropropene	7.789	75	14606	4.52	ug/l #	51
37) Ethyl Acetate	6.997	43	6006	2.71	ug/l #	72
38) Carbon Tetrachloride	7.795	117	17995	6.20	ug/l #	16
39) Methylcyclohexane	9.185	83	17651	5.01	ug/l	92
41) Methacrylonitrile	7.539	41	1230	1.02	ug/l #	100
55) 1,1,2-Trichloroethane	10.618	97	7560	4.13	ug/l #	19
56) Ethyl methacrylate	10.520	69	4290	1.62	ug/l #	1
59) 2-Hexanone	10.801	43	14531	9.70	ug/l #	33
74) N-amyl acetate	12.124	43	16206	5.46	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.642	83	8540	5.10	ug/l #	49
76) 1,2,3-Trichloropropane	12.483	75	72679	61.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72679	106.56	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.404	75	415	1.33	ug/l #	10

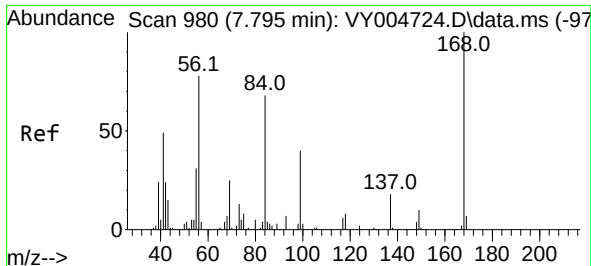
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration

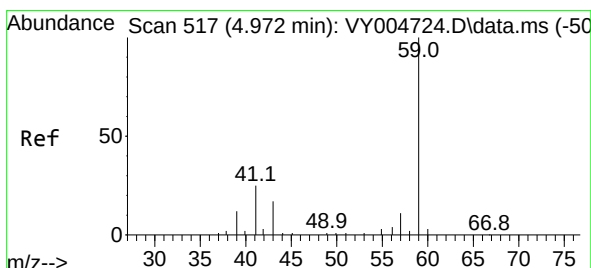
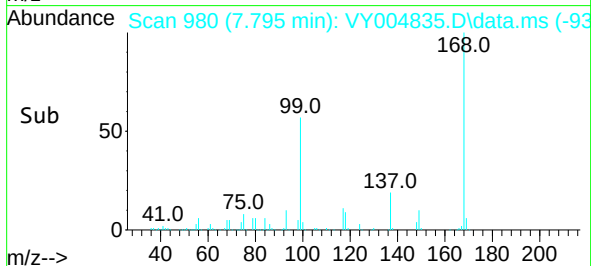
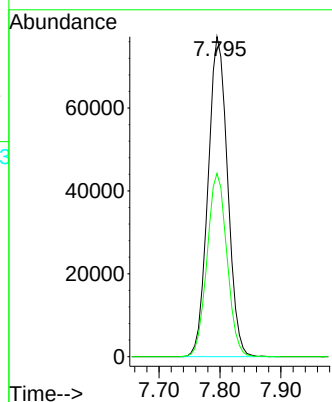
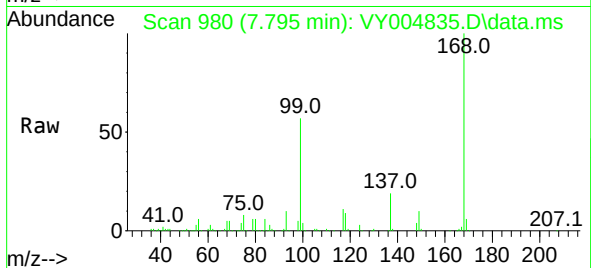




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

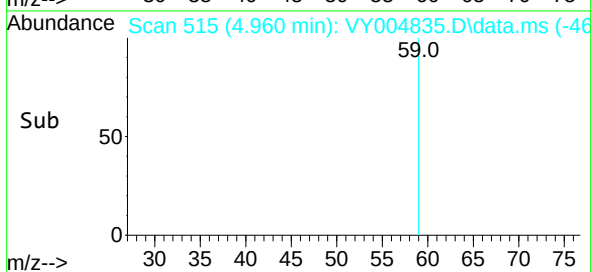
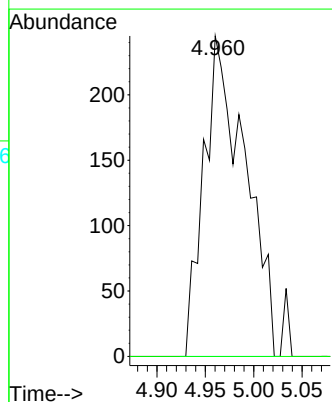
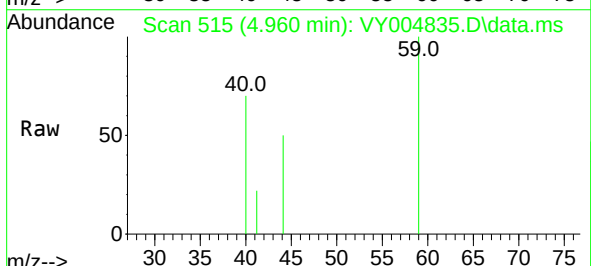
Instrument :
MSVOA_Y
ClientSampleId :

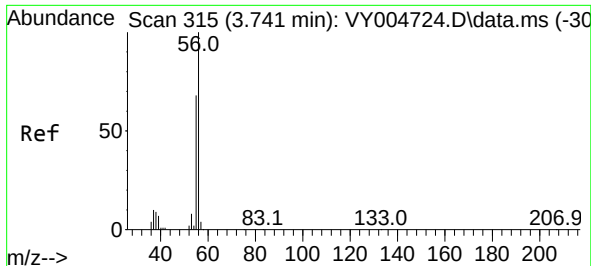
Tgt Ion:168 Resp: 172329
Ion Ratio Lower Upper
168 100
99 57.3 45.6 68.4



#11
Tert butyl alcohol
Concen: 3.54 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

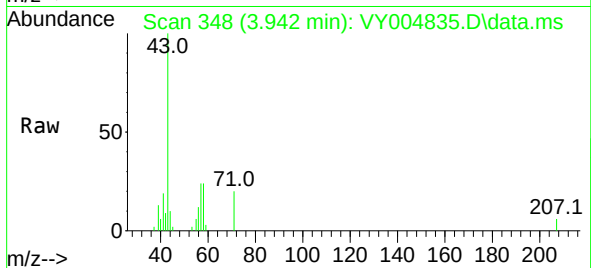
Tgt Ion: 59 Resp: 730
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



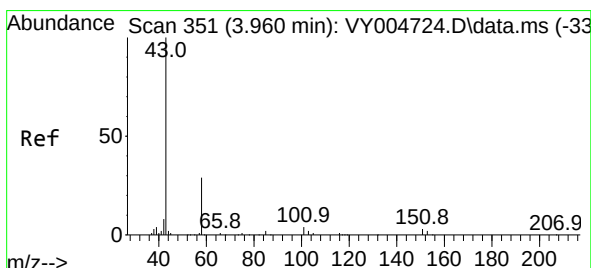
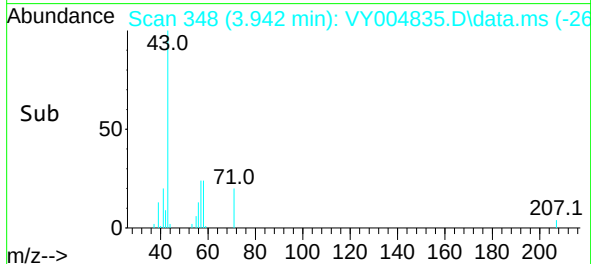
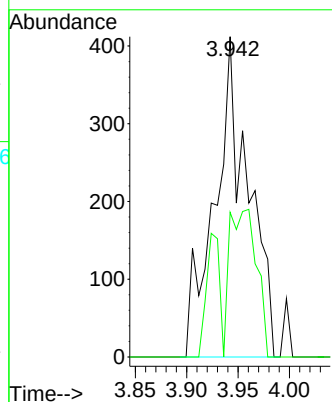


#13
Acrolein
Concen: 3.86 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.201 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Instrument :
MSVOA_Y
ClientSampled :

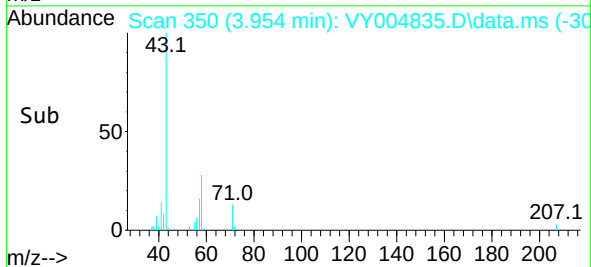
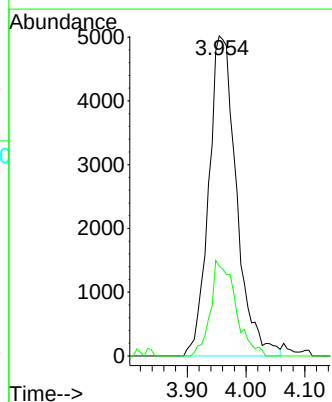
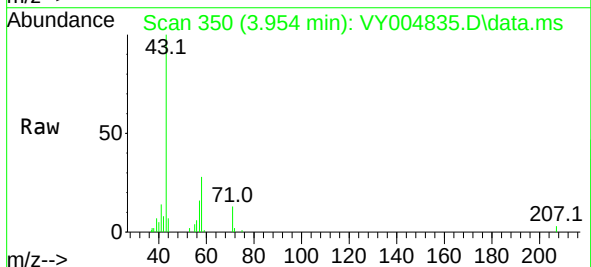


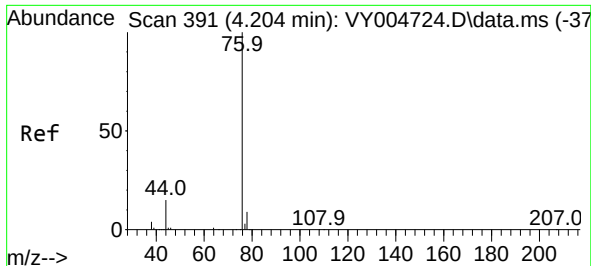
Tgt Ion: 56 Resp: 936
Ion Ratio Lower Upper
56 100
55 37.2 55.3 82.9#



#16
Acetone
Concen: 35.64 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 43 Resp: 16420
Ion Ratio Lower Upper
43 100
58 28.0 23.6 35.4

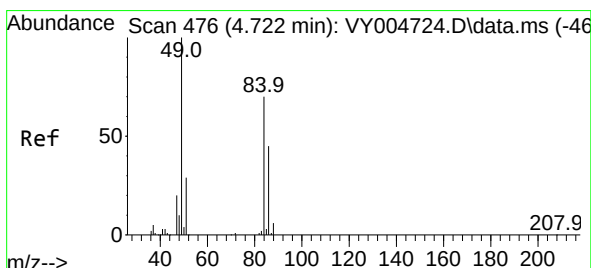
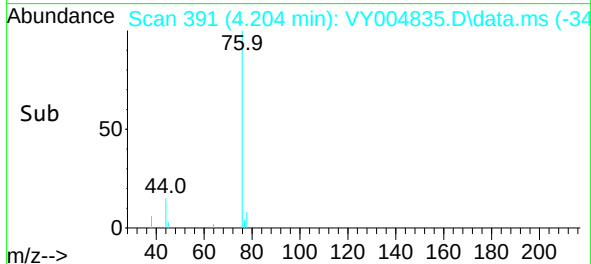
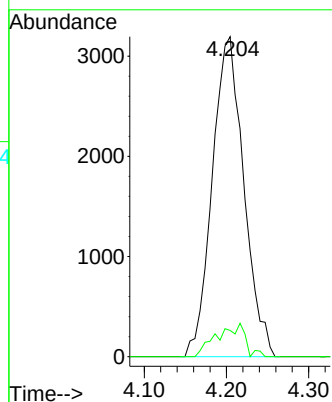
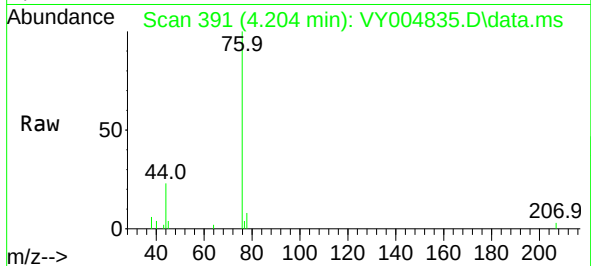




#17
Carbon Disulfide
Concen: 1.64 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

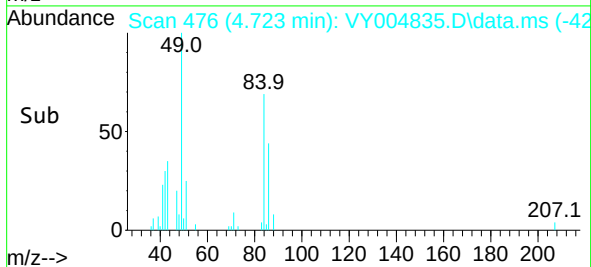
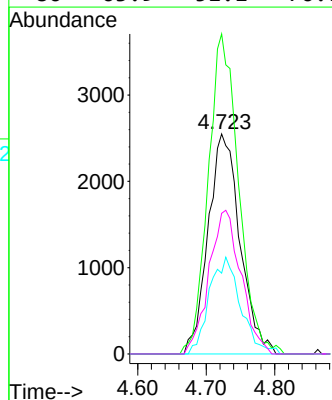
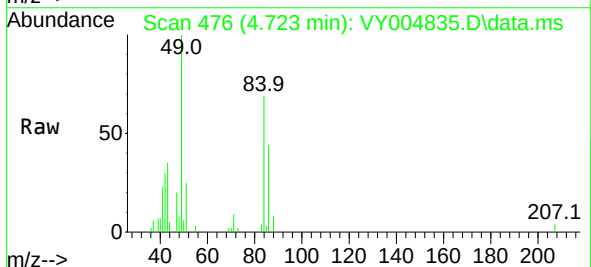
Instrument :
MSVOA_Y
ClientSampled :

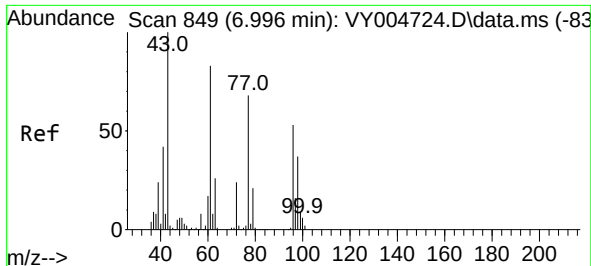
Tgt Ion: 76 Resp: 8532
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.001 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 84 Resp: 8231
Ion Ratio Lower Upper
84 100
49 145.4 113.8 170.8
51 36.7 33.5 50.3
86 63.9 51.1 76.7





#25

2-Butanone

Concen: 7.34 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY004835.D

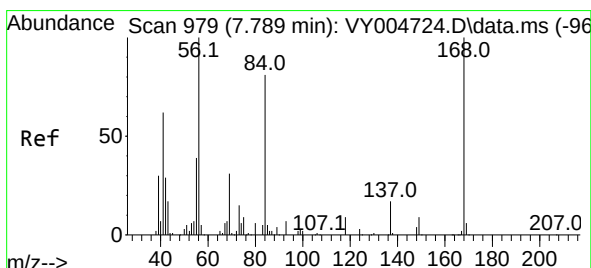
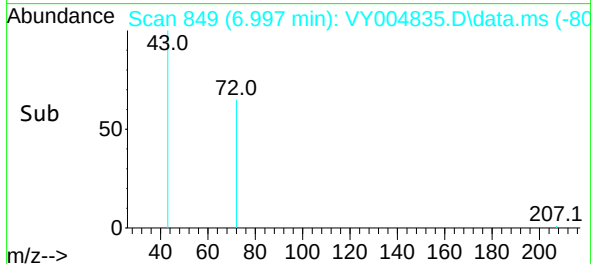
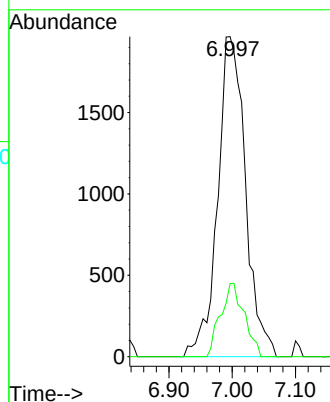
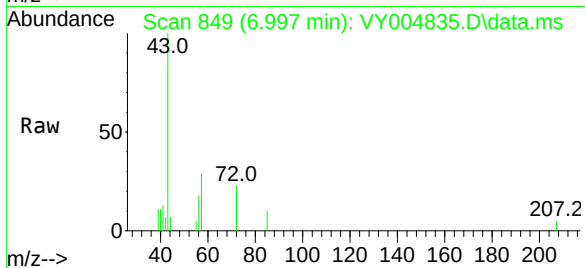
Acq: 18 May 2021 18:34

Tgt Ion: 43 Resp: 6006

Ion Ratio Lower Upper

43 100

72 22.8 19.4 29.0



#31

Cyclohexane

Concen: 3.41 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY004835.D

Acq: 18 May 2021 18:34

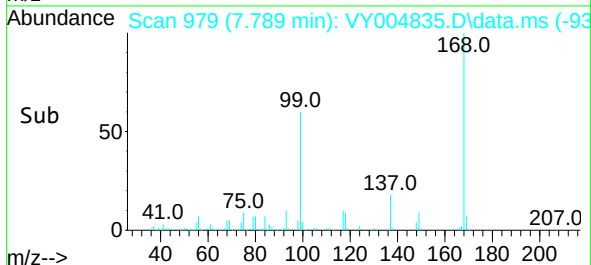
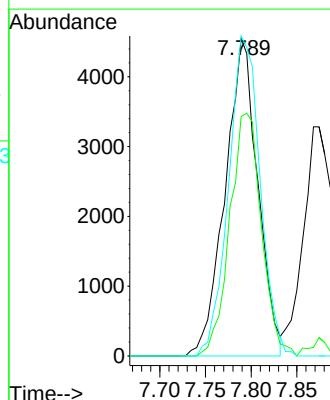
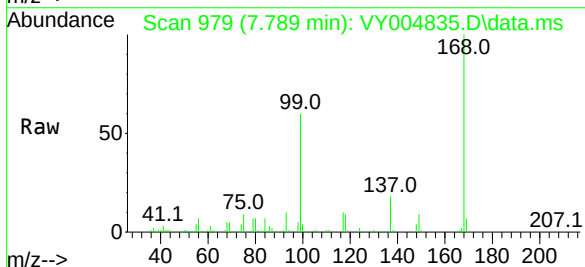
Tgt Ion: 56 Resp: 11320

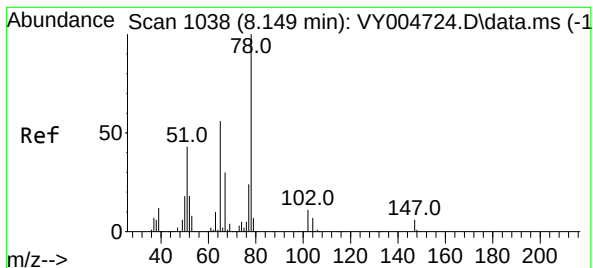
Ion Ratio Lower Upper

56 100

69 75.5 24.4 36.6#

84 100.8 64.8 97.2#





#33

1,2-Dichloroethane-d4

Concen: 57.92 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY004835.D

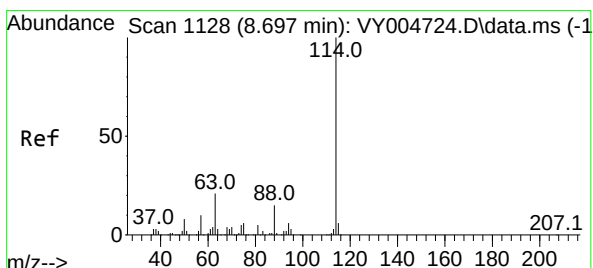
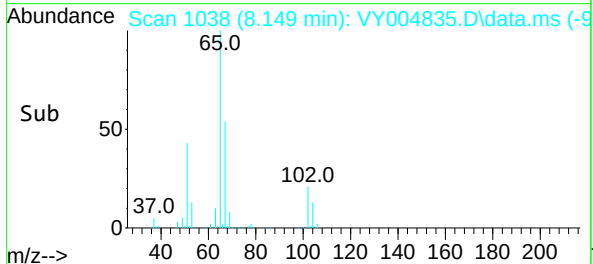
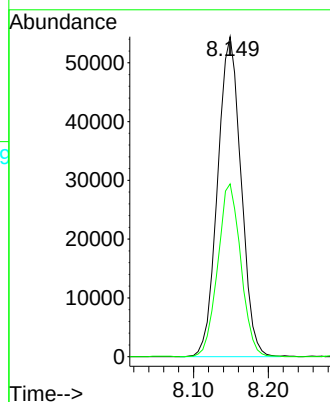
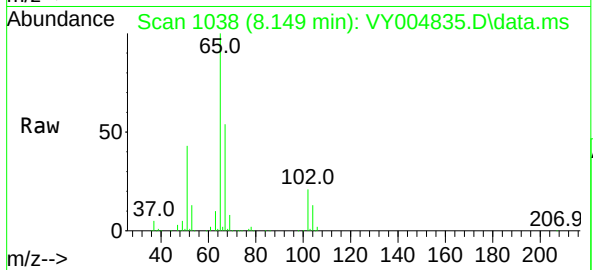
Acq: 18 May 2021 18:34

Tgt Ion: 65 Resp: 118815

Ion Ratio Lower Upper

65 100

67 53.1 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: VY004835.D

Acq: 18 May 2021 18:34

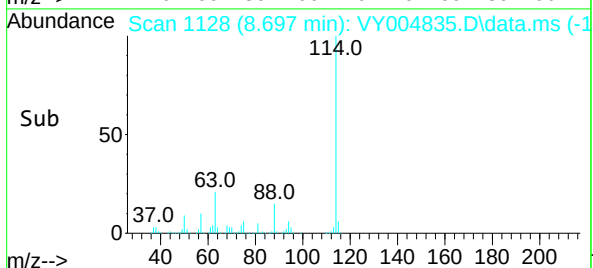
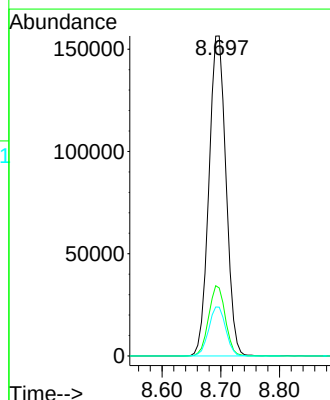
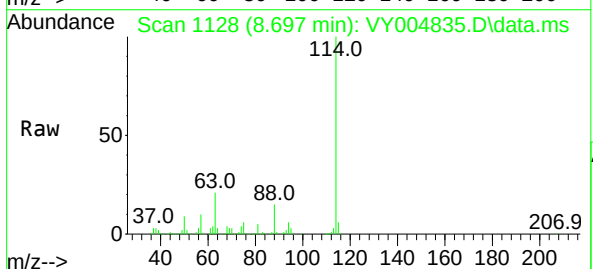
Tgt Ion: 114 Resp: 315256

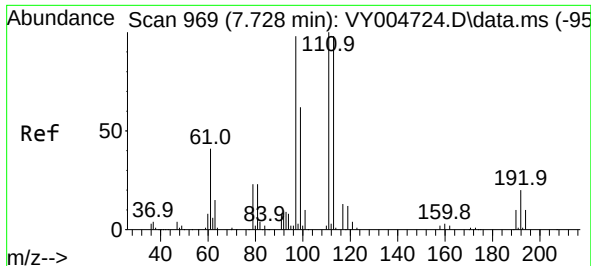
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

88 15.3 0.0 31.0

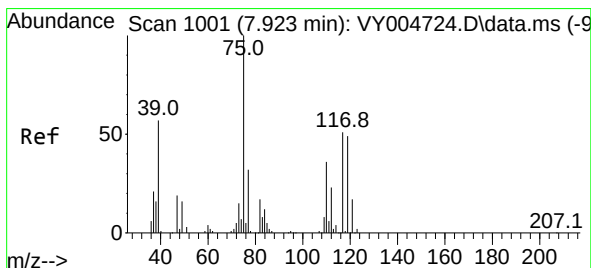
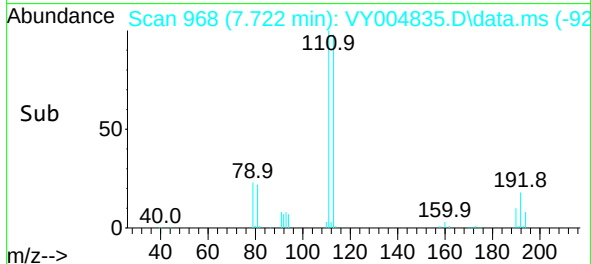
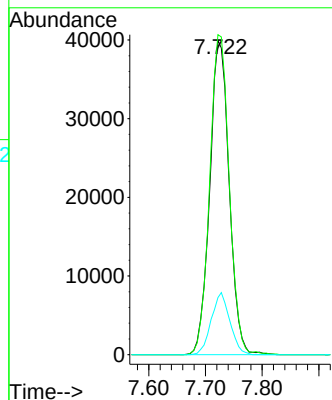
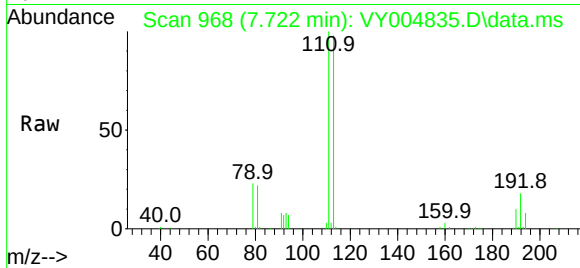




#35
Dibromofluoromethane
Concen: 55.09 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

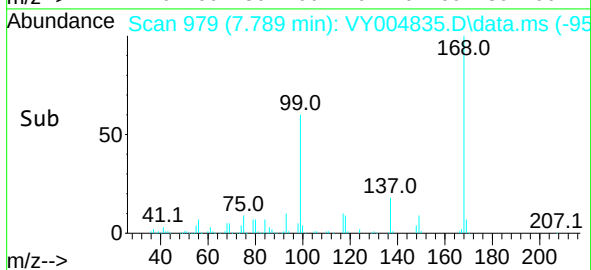
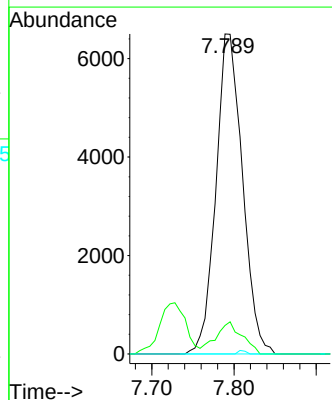
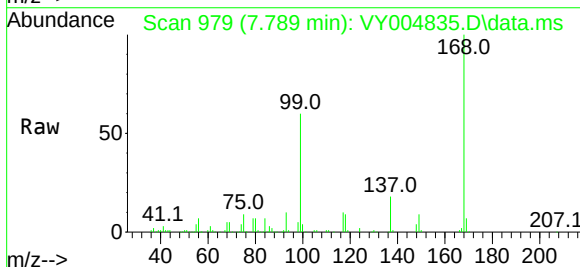
Instrument :
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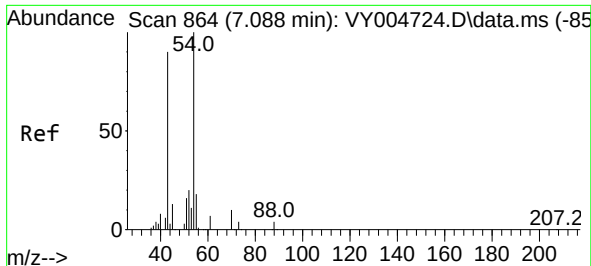
Tgt Ion:	113	Resp:	95074
Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.5	120.7
192	18.9	15.0	22.6



#36
1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion:	75	Resp:	14606
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.0	50.9#
77	0.3	25.0	37.4#





#37

Ethyl Acetate

Concen: 2.71 ug/l

RT: 6.997 min Scan# 849

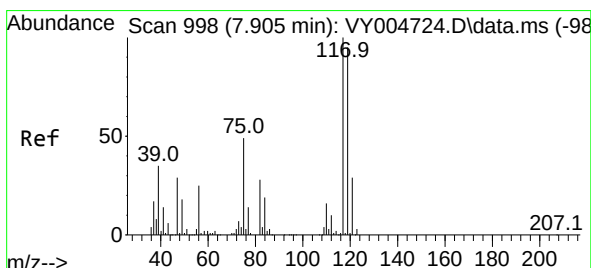
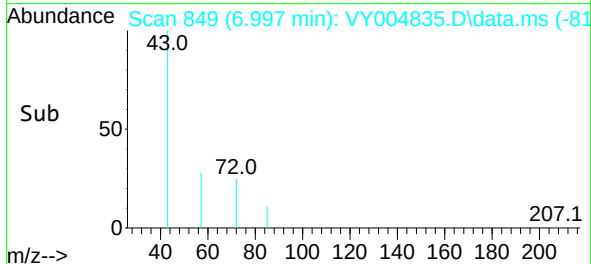
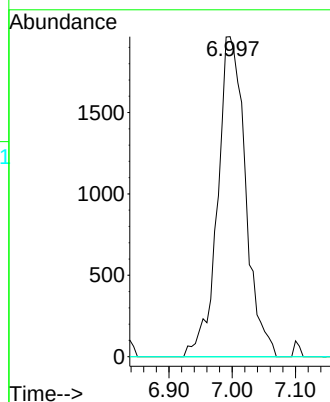
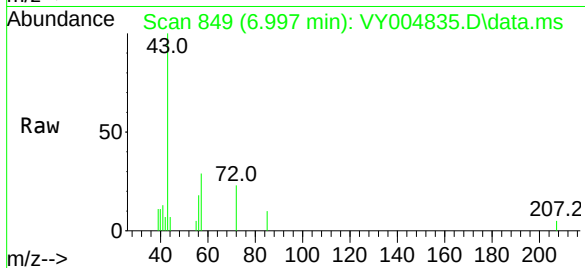
Delta R.T. -0.091 min

Lab File: VY004835.D

Acq: 18 May 2021 18:34

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 43	Resp: 6006
Ion Ratio	Lower Upper
43 100	
61 0.0	9.9 14.9#
70 0.0	6.7 10.1#



#38

Carbon Tetrachloride

Concen: 6.20 ug/l

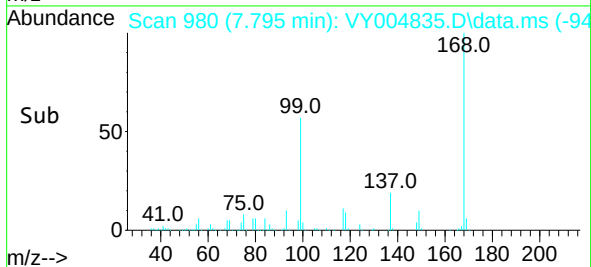
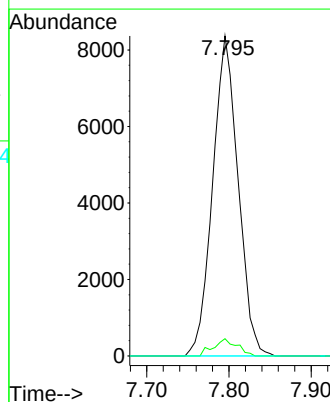
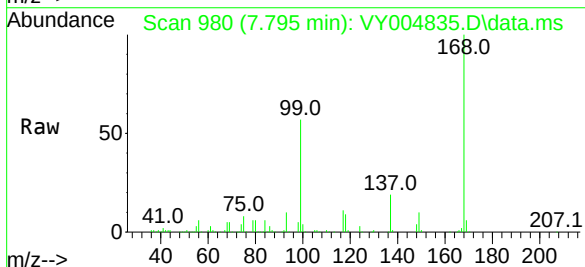
RT: 7.795 min Scan# 980

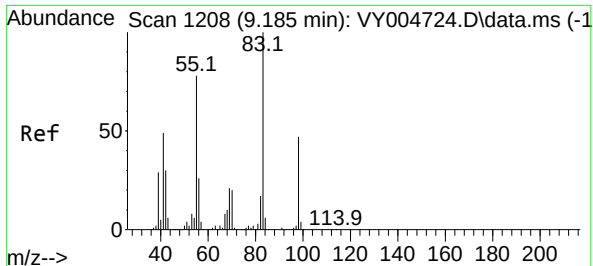
Delta R.T. -0.110 min

Lab File: VY004835.D

Acq: 18 May 2021 18:34

Tgt Ion: 117	Resp: 17995
Ion Ratio	Lower Upper
117 100	
119 5.4	76.3 114.5#
121 0.0	23.0 34.6#





#39

Methylcyclohexane

Concen: 5.01 ug/l

RT: 9.185 min Scan# 1208

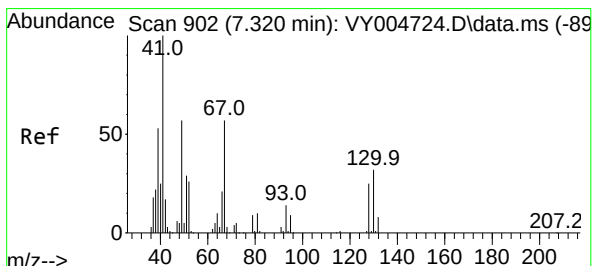
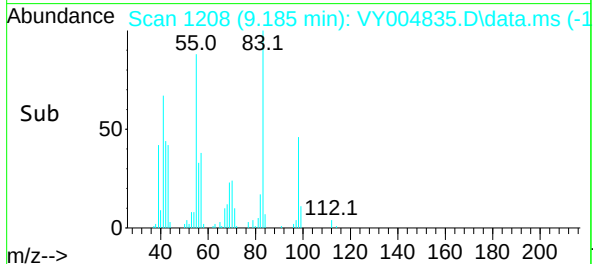
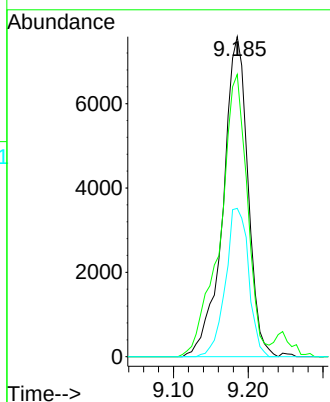
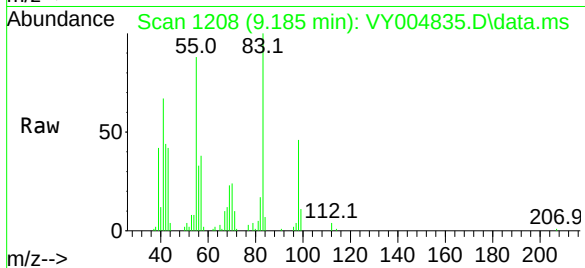
Delta R.T. 0.000 min

Lab File: VY004835.D

Acq: 18 May 2021 18:34

Tgt Ion: 83 Resp: 17651

Ion	Ratio	Lower	Upper
83	100		
55	88.2	62.6	94.0
98	46.3	37.8	56.6



#41

Methacrylonitrile

Concen: 1.02 ug/l

RT: 7.539 min Scan# 938

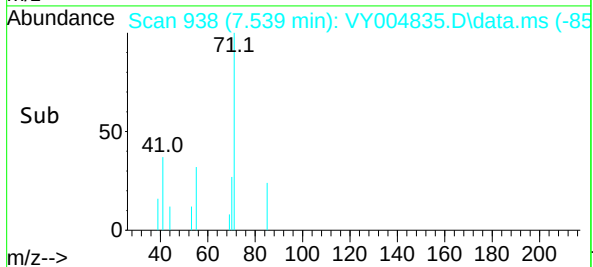
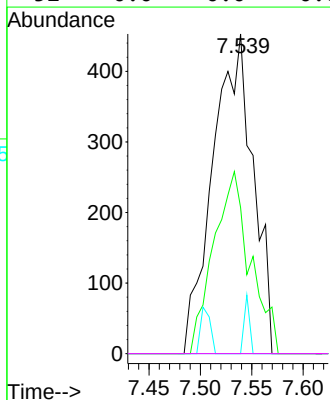
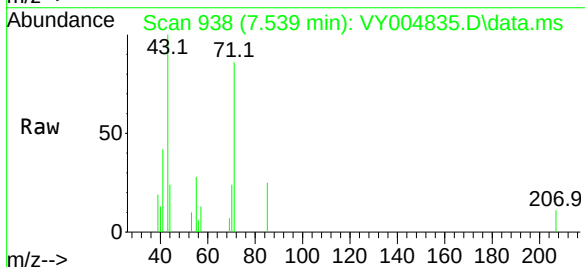
Delta R.T. 0.220 min

Lab File: VY004835.D

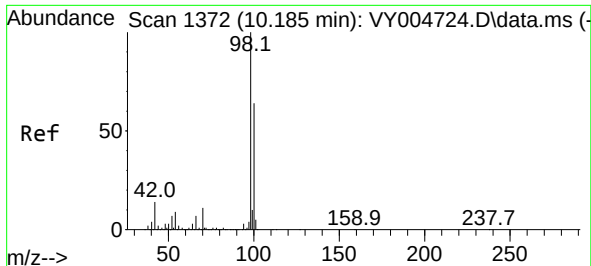
Acq: 18 May 2021 18:34

Tgt Ion: 41 Resp: 1230

Ion	Ratio	Lower	Upper
41	100		
39	52.3	0.0	0.0#
67	2.4	0.0	0.0#
52	0.0	0.0	0.0



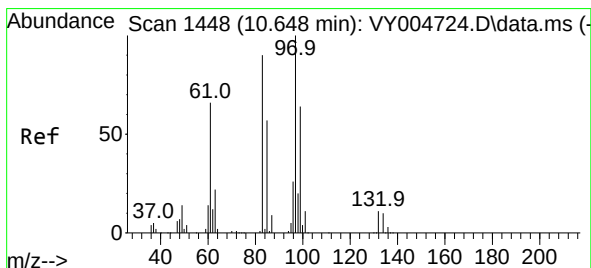
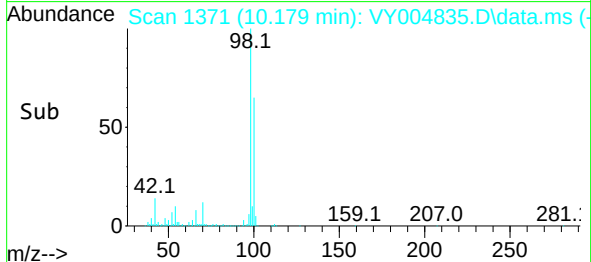
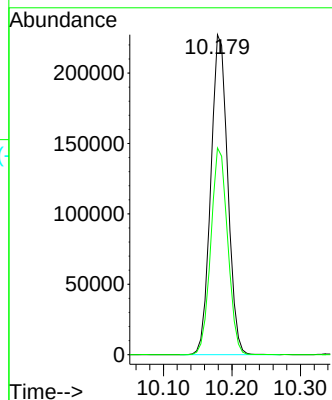
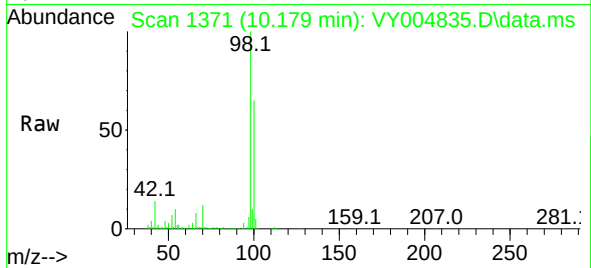
Instrument :
MSVOA_Y
ClientSampled :



#50
Toluene-d8
Concen: 49.99 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

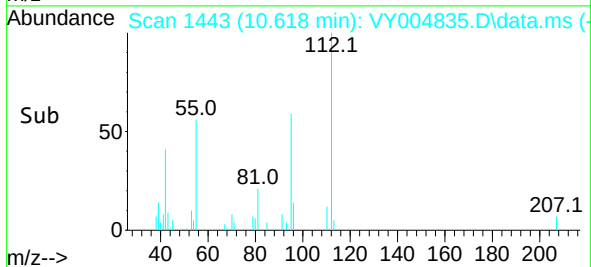
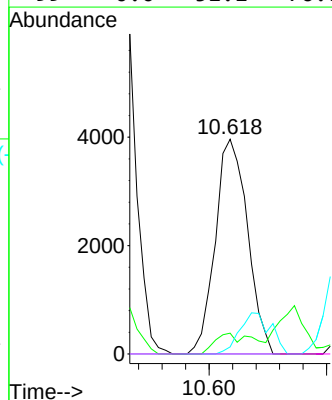
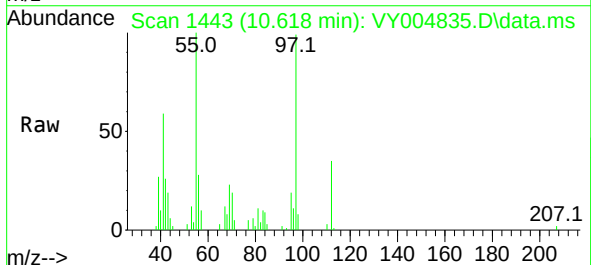
Instrument :
MSVOA_Y
ClientSampled :

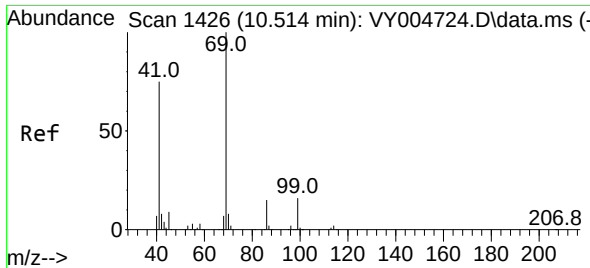
Tgt Ion: 98 Resp: 389776
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#55
1,1,2-Trichloroethane
Concen: 4.13 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 97 Resp: 7560
Ion Ratio Lower Upper
97 100
83 9.7 71.9 107.9#
85 3.3 45.8 68.6#
99 0.0 51.1 76.7#

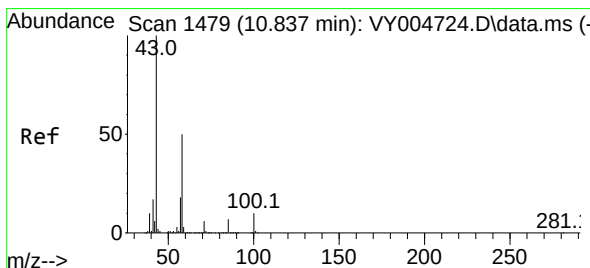
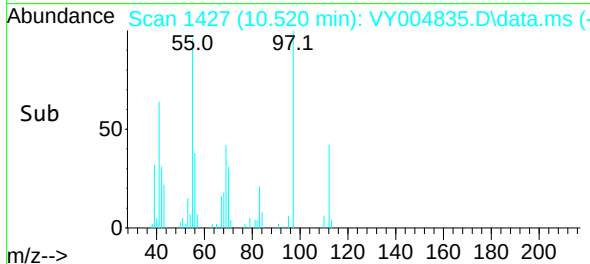
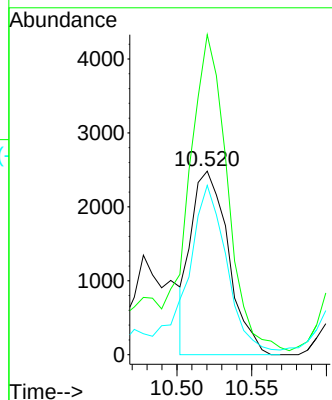
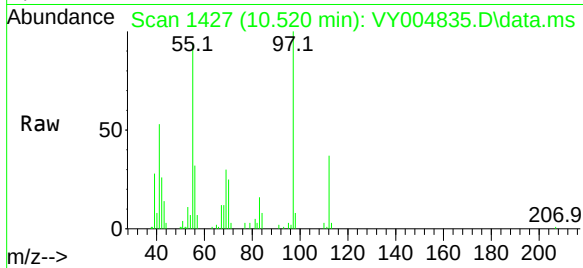




#56
Ethyl methacrylate
Concen: 1.62 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

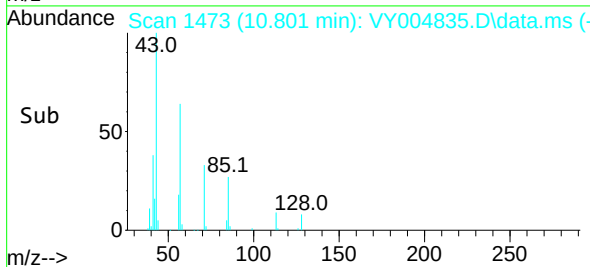
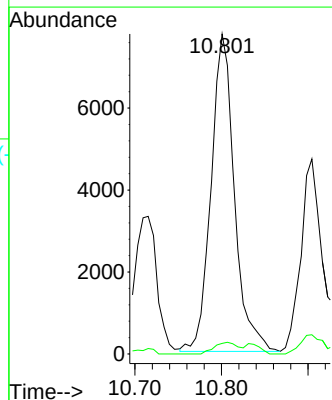
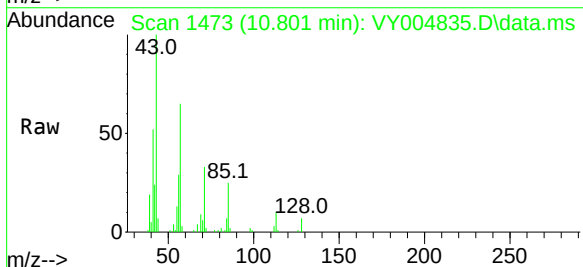
Instrument :
MSVOA_Y
ClientSampled :

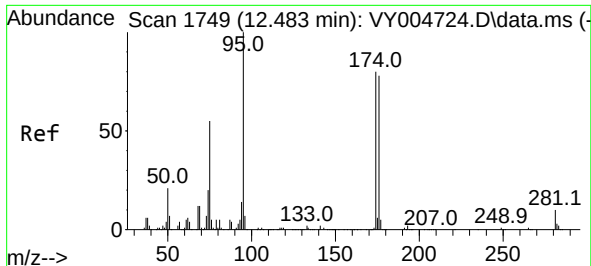
Tgt Ion: 69 Resp: 4290
Ion Ratio Lower Upper
69 100
41 216.2 60.2 90.4#
39 97.3 33.5 50.3#



#59
2-Hexanone
Concen: 9.70 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 43 Resp: 14531
Ion Ratio Lower Upper
43 100
58 3.8 24.9 74.8#

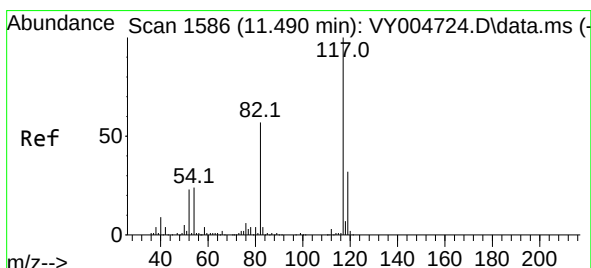
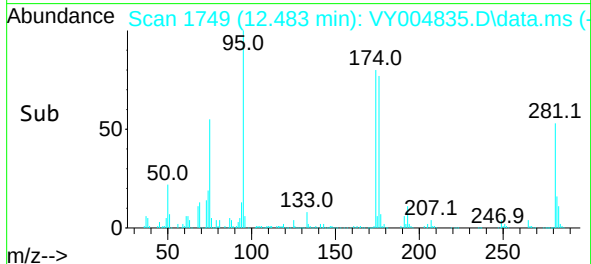
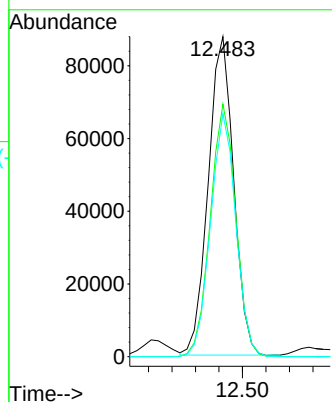
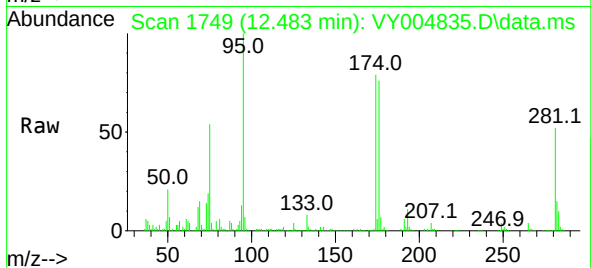




#62
4-Bromofluorobenzene
Concen: 49.85 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

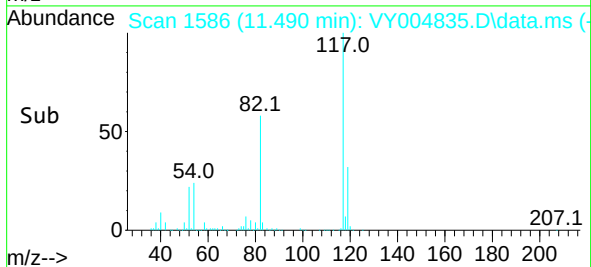
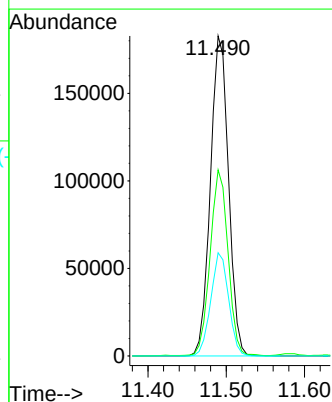
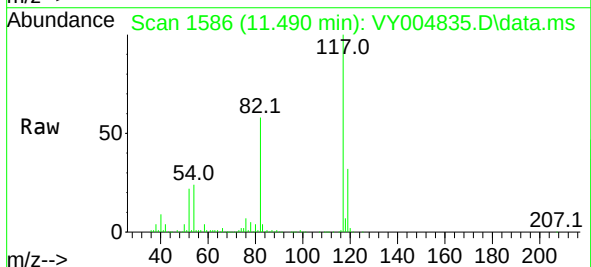
Instrument :
MSVOA_Y
ClientSampleId :

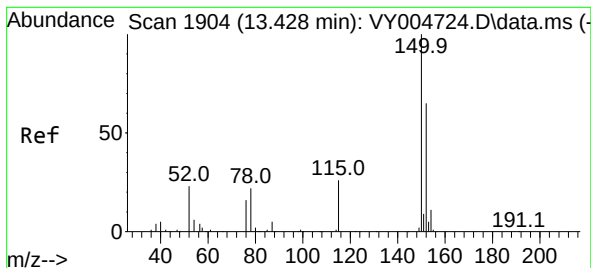
Tgt Ion: 95 Resp: 131184
Ion Ratio Lower Upper
95 100
174 79.9 0.0 164.2
176 76.0 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion:117 Resp: 292883
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 32.3 25.8 38.6

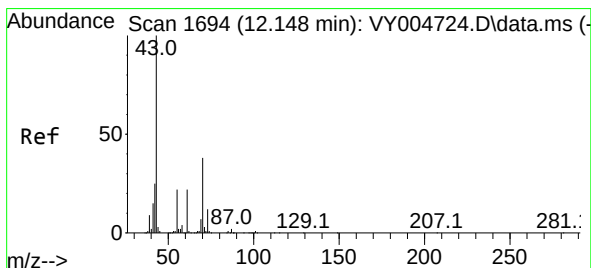
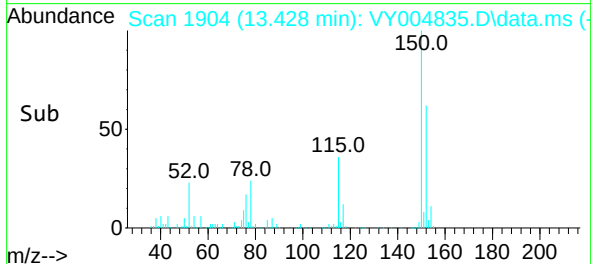
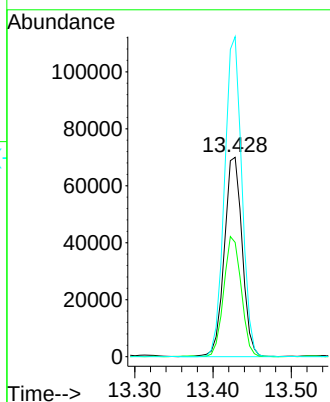
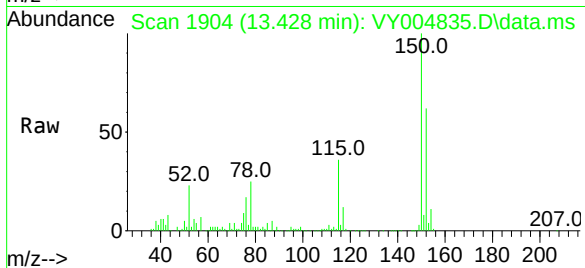




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

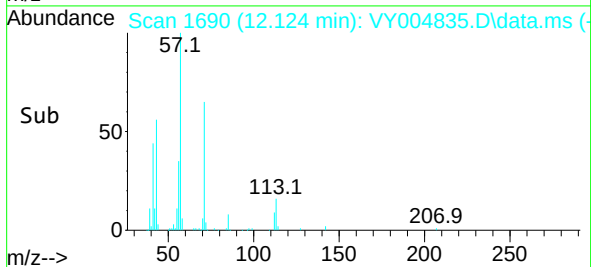
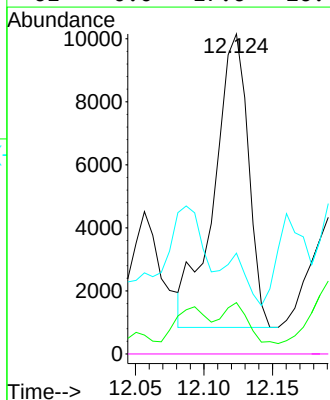
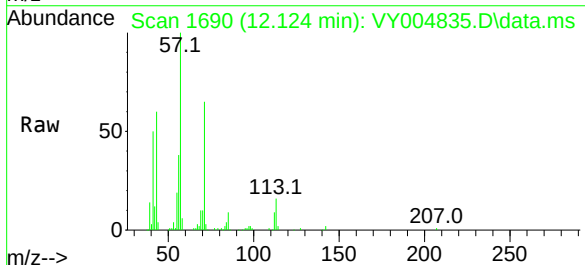
Instrument :
MSVOA_Y
ClientSampled :

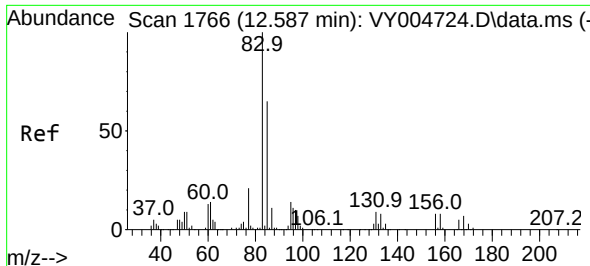
Tgt Ion:152 Resp: 111337
Ion Ratio Lower Upper
152 100
115 58.8 29.4 88.3
150 154.9 0.0 349.8



#74
N-ethyl acetate
Concen: 5.46 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 43 Resp: 16206
Ion Ratio Lower Upper
43 100
70 10.4 30.2 45.2#
55 0.0 17.8 26.8#
61 0.0 17.6 26.4#

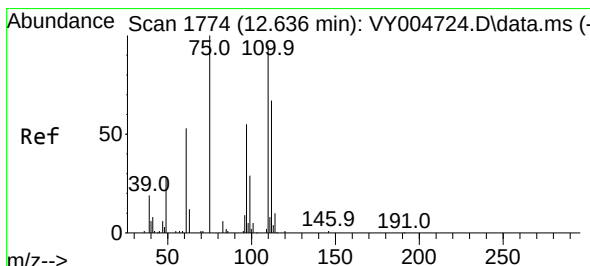
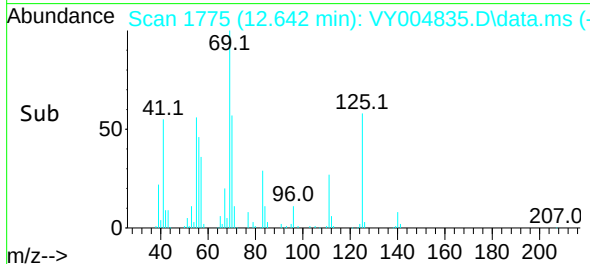
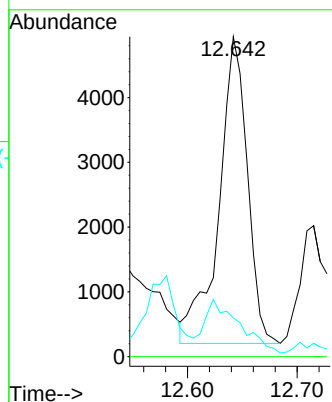
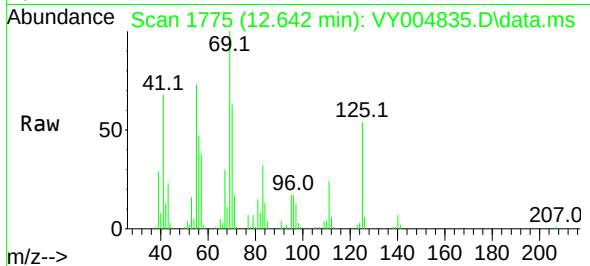




#75
1,1,2,2-Tetrachloroethane
Concen: 5.10 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.055 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

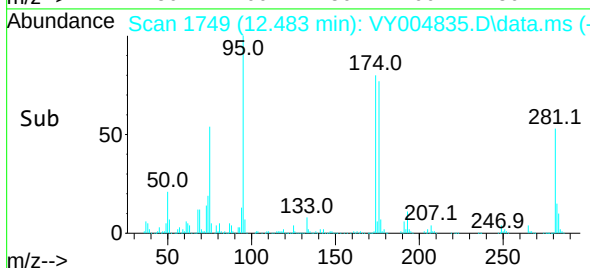
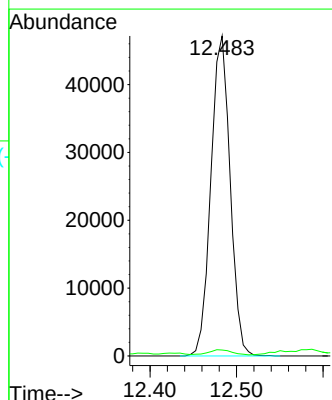
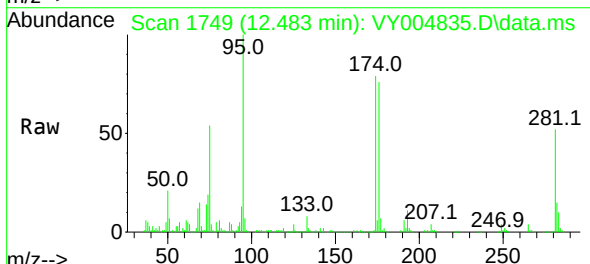
Instrument :
MSVOA_Y
ClientSampled :

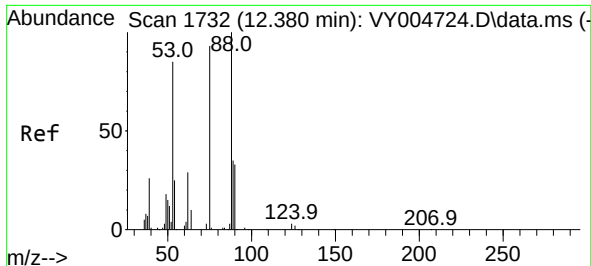
Tgt Ion: 83 Resp: 8540
Ion Ratio Lower Upper
83 100
131 0.0 5.0 14.9#
85 21.2 32.1 96.5#



#76
1,2,3-Trichloropropane
Concen: 61.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 75 Resp: 72679
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

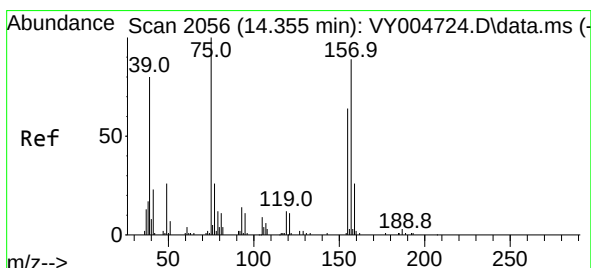
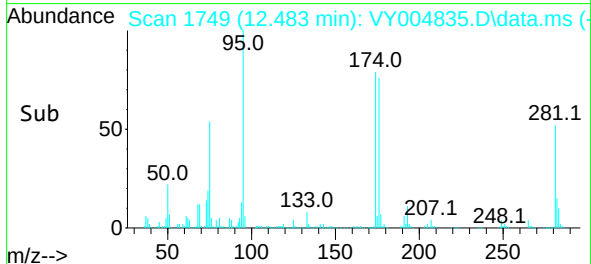
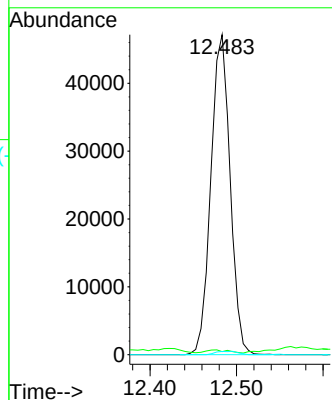
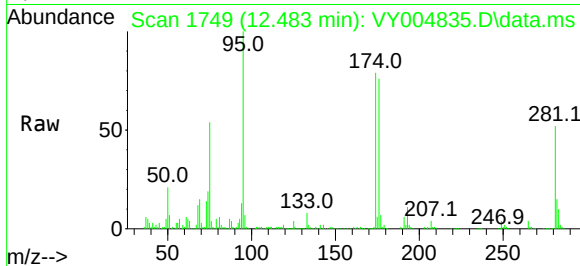




#81
trans-1,4-Dichloro-2-butene
Concen: 106.56 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 72679
Ion Ratio Lower Upper
75 100
53 1.1 73.9 110.9#
89 1.2 35.5 53.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.33 ug/l
RT: 14.404 min Scan# 2064
Delta R.T. 0.049 min
Lab File: VY004835.D
Acq: 18 May 2021 18:34

Tgt Ion: 75 Resp: 415
Ion Ratio Lower Upper
75 100
155 10.8 39.0 117.0#
157 0.0 50.2 150.7#

