

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004887.D
 Acq On : 26 May 2021 15:27
 Operator : SY/MD
 Sample : M2521-03RE
 Misc : 2.54G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-052521

Quant Time: May 27 01:16:36 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)

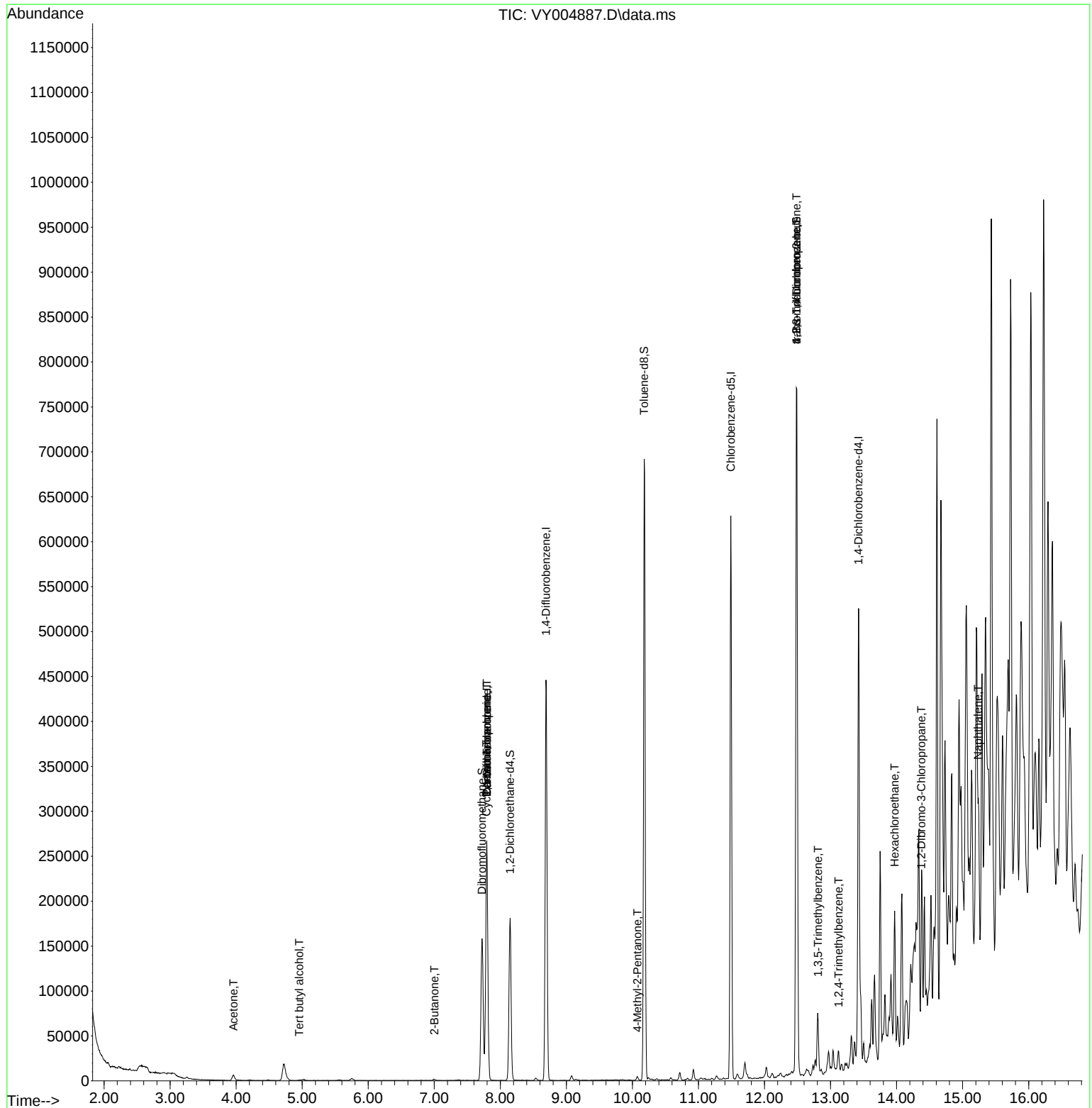
Internal Standards						
1) Pentafluorobenzene	7.795	168	194695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	368141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	323028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	138211	59.64	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.28%			
35) Dibromofluoromethane	7.722	113	112841	55.99	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.98%			
50) Toluene-d8	10.179	98	432027	47.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.90%			
62) 4-Bromofluorobenzene	12.483	95	136288	44.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.70%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	391	1.68	ug/l #	71
16) Acetone	3.960	43	10093	19.39	ug/l	92
20) Methylene Chloride	4.729	84	13245	Below Cal		98
25) 2-Butanone	7.003	43	2300	2.49	ug/l	93
31) Cyclohexane	7.789	56	4679	1.25	ug/l #	9
36) 1,1-Dichloropropene	7.795	75	16477	4.37	ug/l #	50
38) Carbon Tetrachloride	7.795	117	19807	5.84	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	3121	1.21	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	78928	61.12	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	12667	1.66	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	78928	105.97	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	11869	1.56	ug/l	96
90) Hexachloroethane	13.971	117	5442	4.71	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.373	75	444	1.30	ug/l #	10
95) Naphthalene	15.233	128	23846	4.77	ug/l #	82

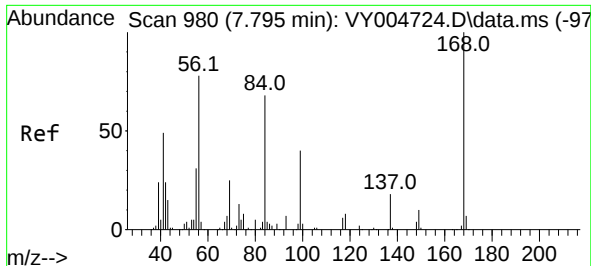
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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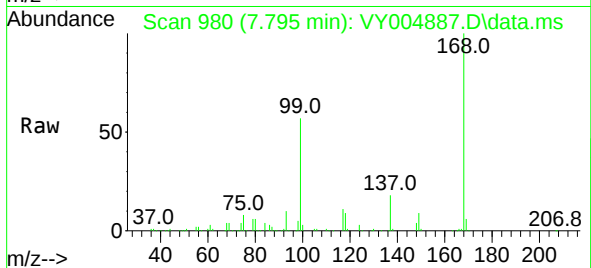
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
Response via : Initial Calibration



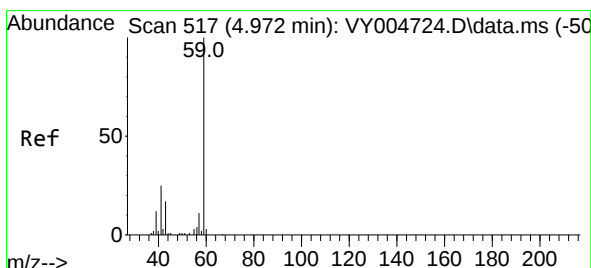
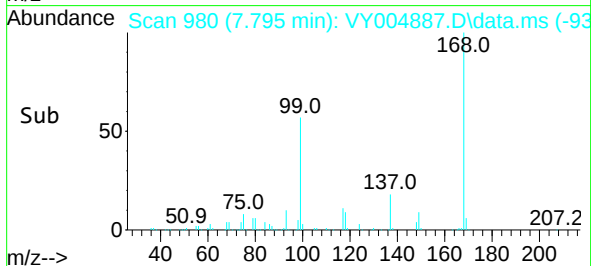
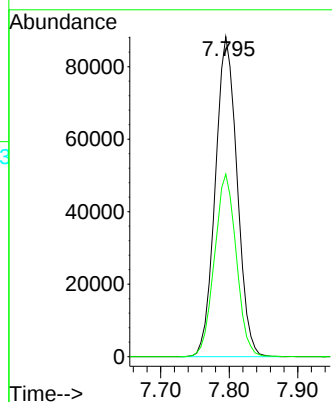


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

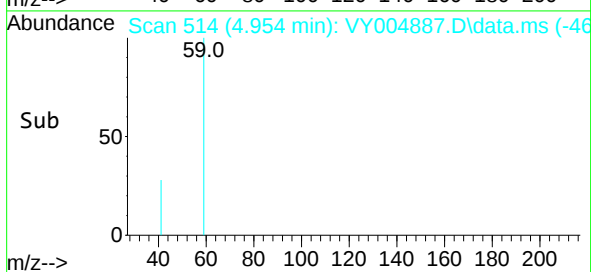
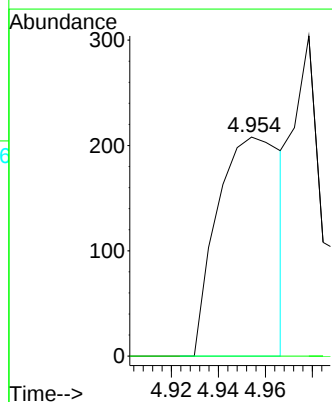
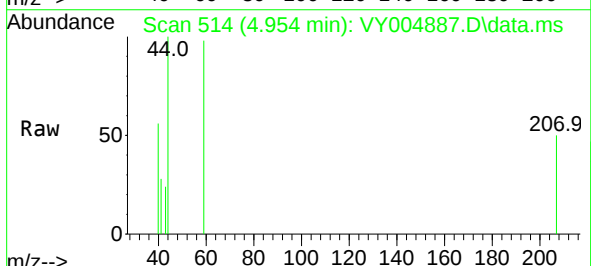


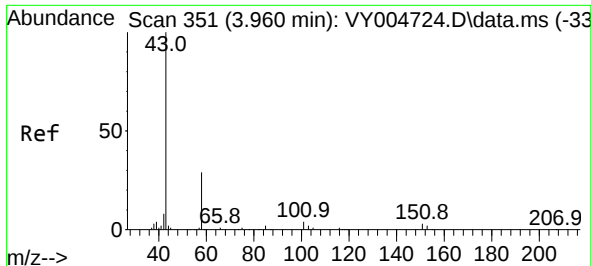
Tgt Ion:168 Resp: 194695
Ion Ratio Lower Upper
168 100
99 57.1 45.6 68.4



#11
Tert butyl alcohol
Concen: 1.68 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

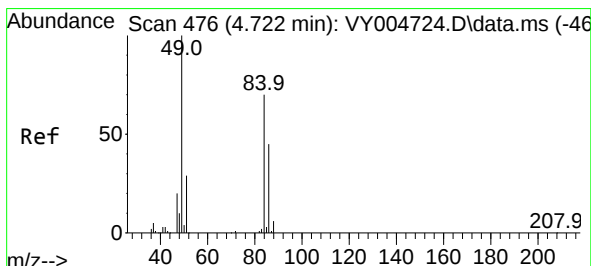
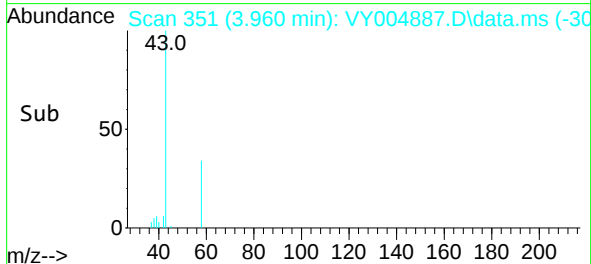
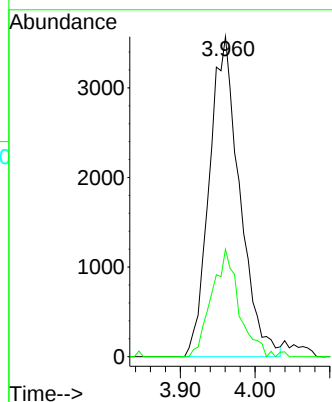
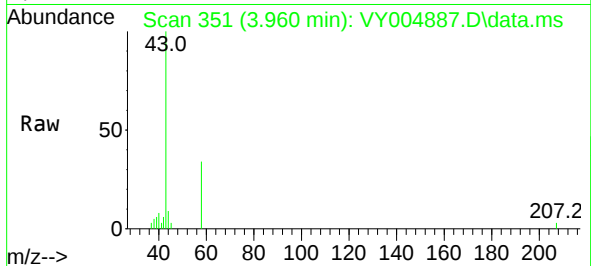




#16
Acetone
Concen: 19.39 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

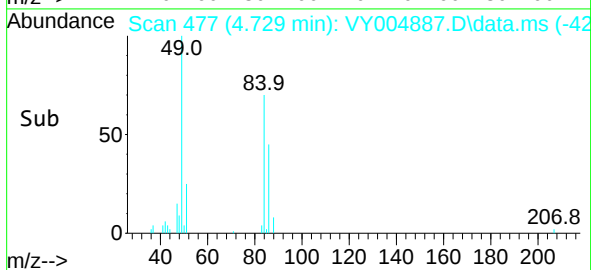
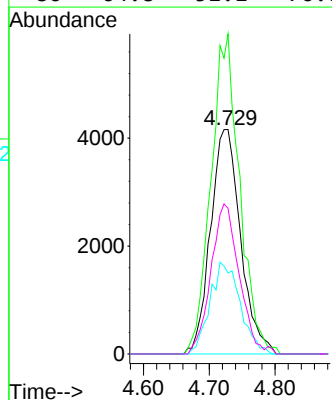
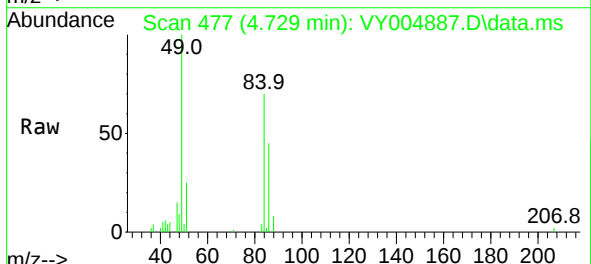
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

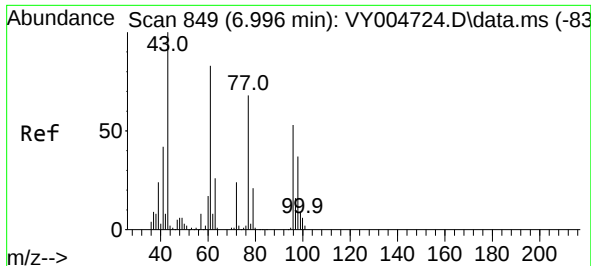
Tgt Ion: 43 Resp: 10093
Ion Ratio Lower Upper
43 100
58 33.6 23.6 35.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.007 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 84 Resp: 13245
Ion Ratio Lower Upper
84 100
49 142.6 113.8 170.8
51 36.1 33.5 50.3
86 64.8 51.1 76.7





#25

2-Butanone

Concen: 2.49 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY004887.D

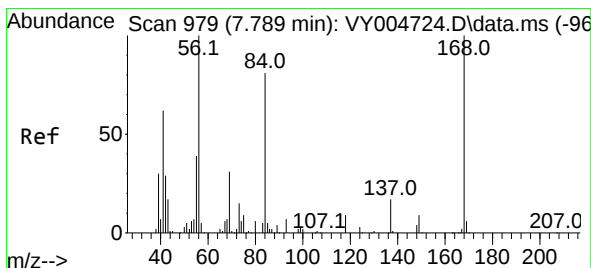
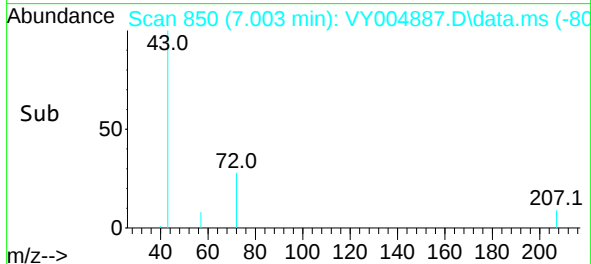
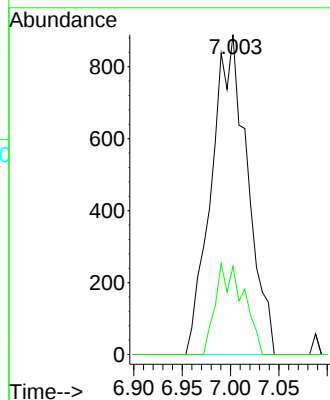
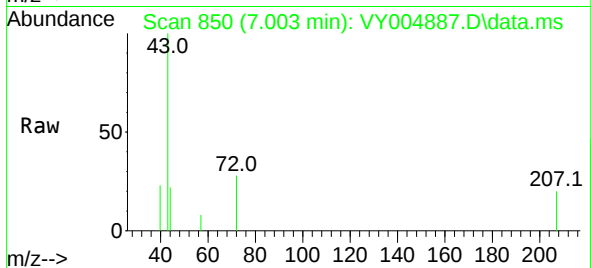
Acq: 26 May 2021 15:27

Tgt Ion: 43 Resp: 2300

Ion Ratio Lower Upper

43 100

72 27.6 19.4 29.0



#31

Cyclohexane

Concen: 1.25 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY004887.D

Acq: 26 May 2021 15:27

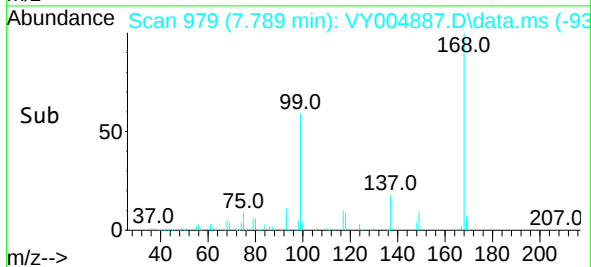
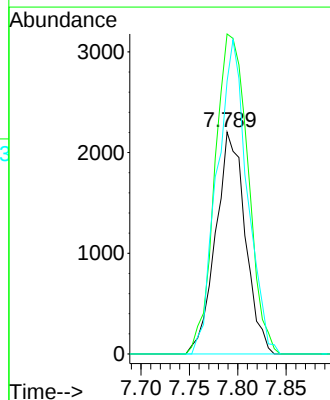
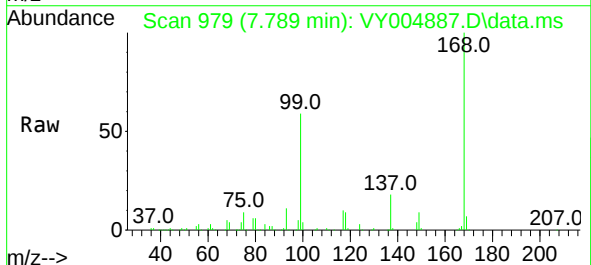
Tgt Ion: 56 Resp: 4679

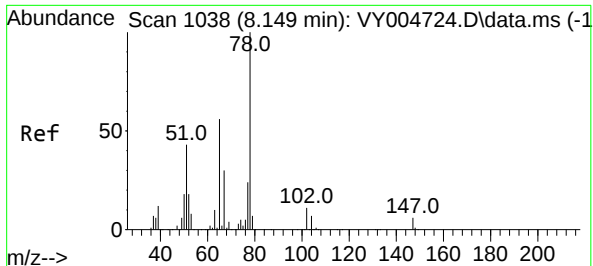
Ion Ratio Lower Upper

56 100

69 144.3 24.4 36.6#

84 123.0 64.8 97.2#

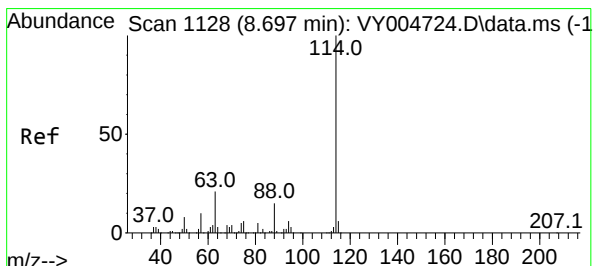
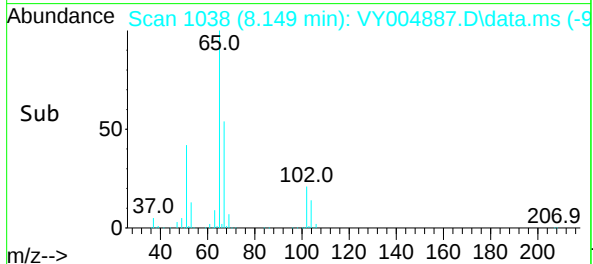
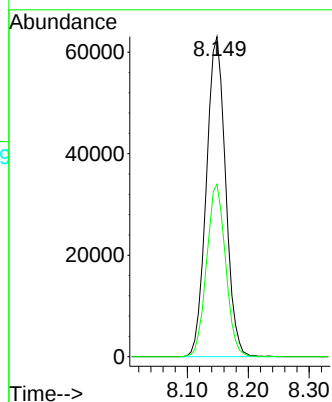
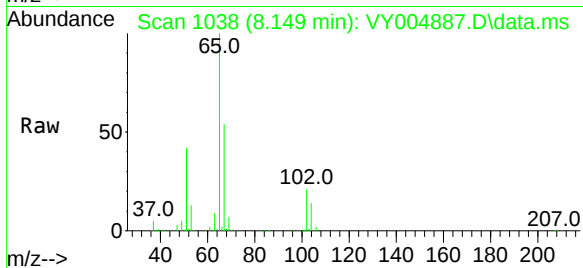




#33
1,2-Dichloroethane-d4
Concen: 59.64 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

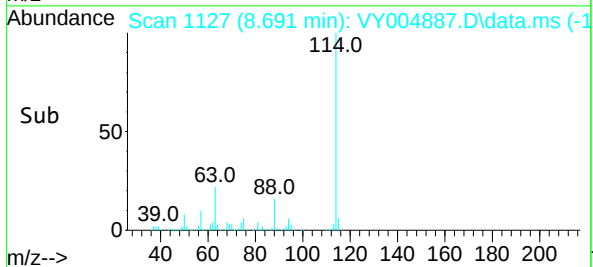
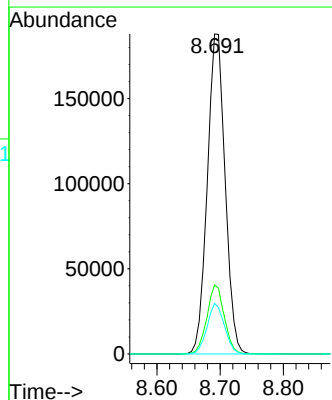
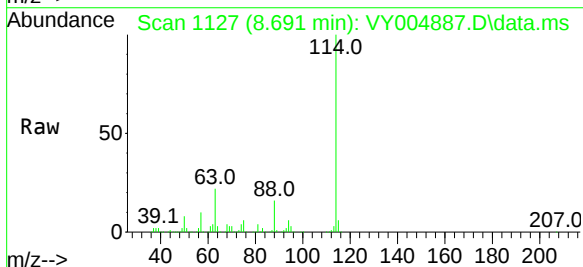
Instrument :
MSVOA_Y
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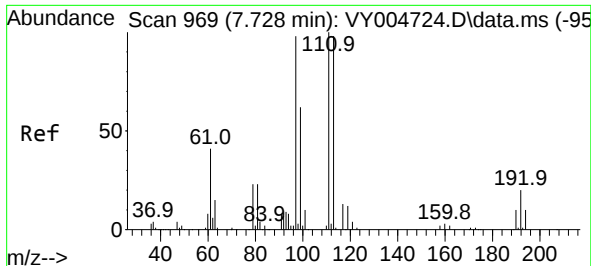
Tgt Ion: 65 Resp: 138211
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 114 Resp: 368141
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.8
88 15.9 0.0 31.0



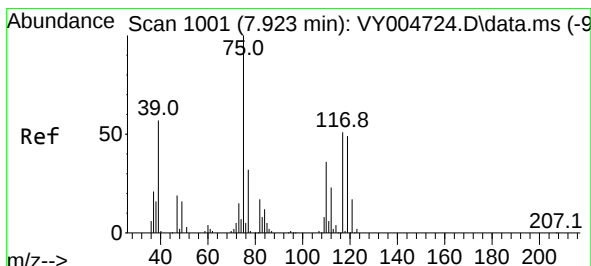
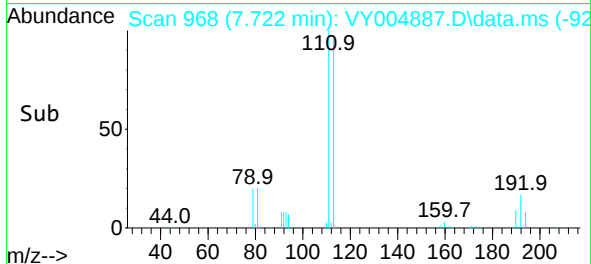
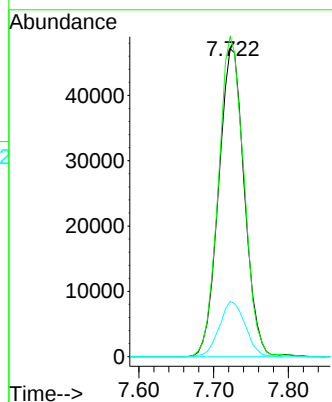
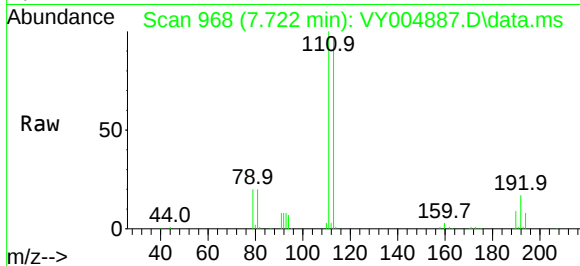


#35
Dibromofluoromethane
Concen: 55.99 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

Tgt Ion: 113 Resp: 112841

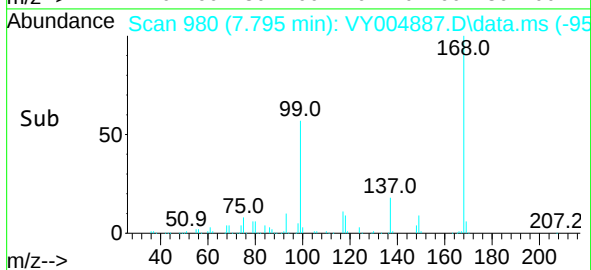
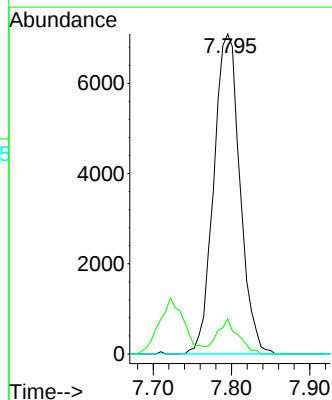
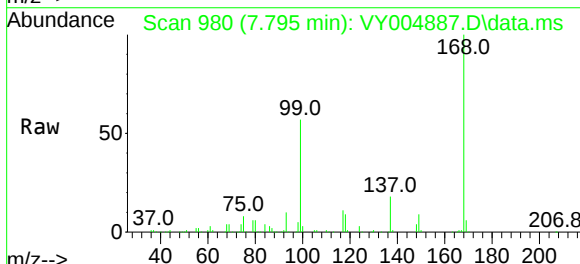
Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.5	120.7
192	18.1	15.0	22.6

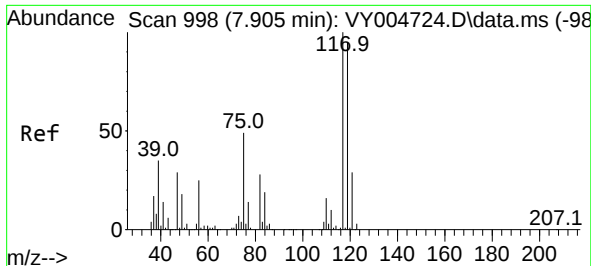


#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 75 Resp: 16477

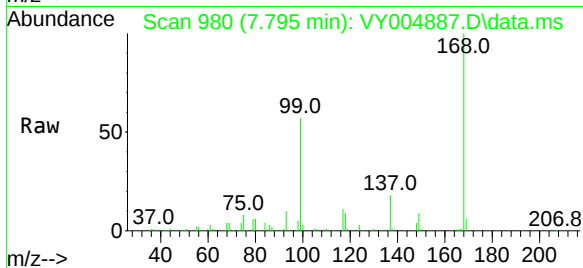
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.0	25.0	37.4#



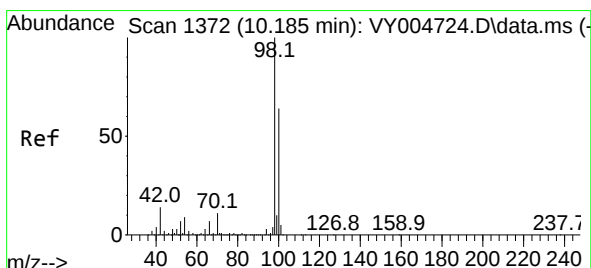
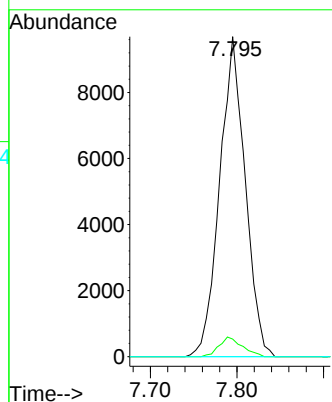
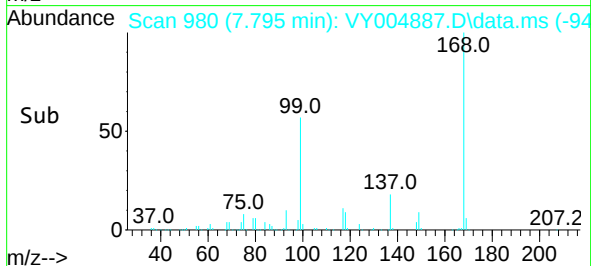


#38
Carbon Tetrachloride
Concen: 5.84 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Instrument :
MSVOA_Y
ClientSampleId :
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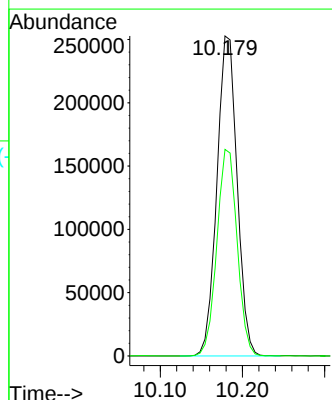
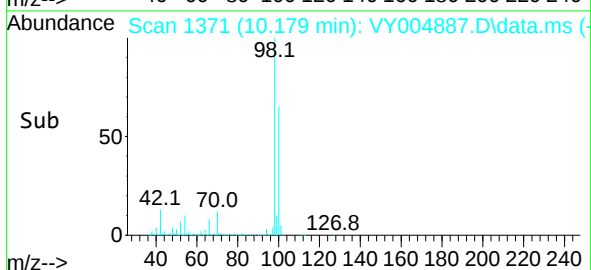
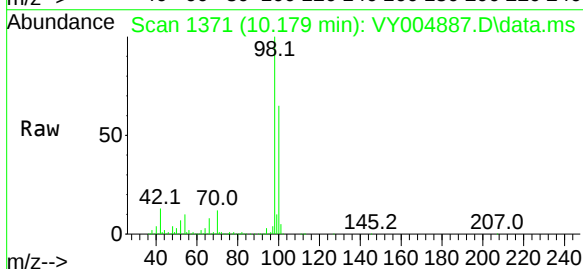


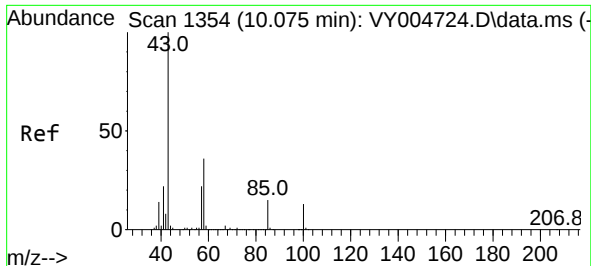
Tgt Ion:117 Resp: 19807
Ion Ratio Lower Upper
117 100
119 5.5 76.3 114.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 47.45 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 98 Resp: 432027
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3

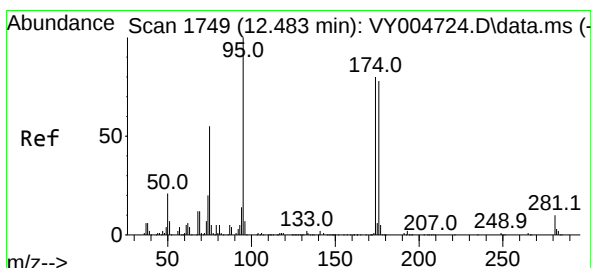
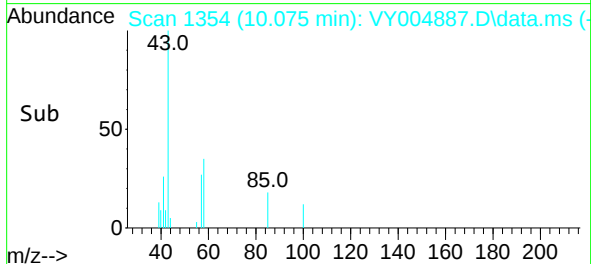
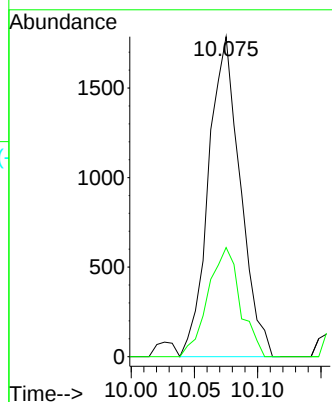
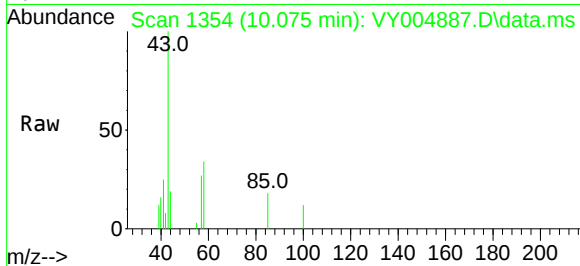




#51
4-Methyl-2-Pentanone
Concen: 1.21 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

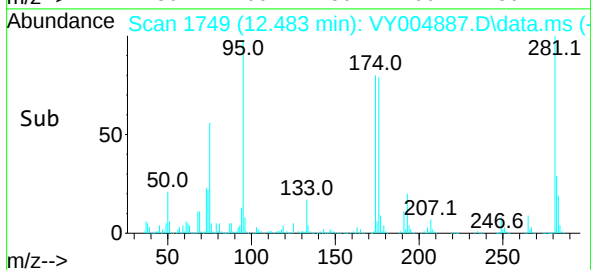
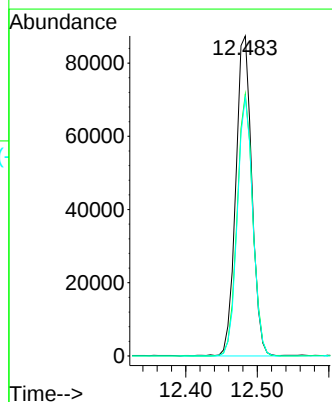
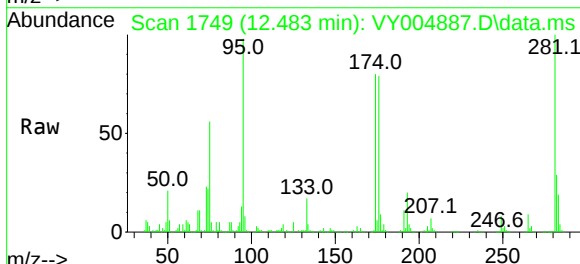
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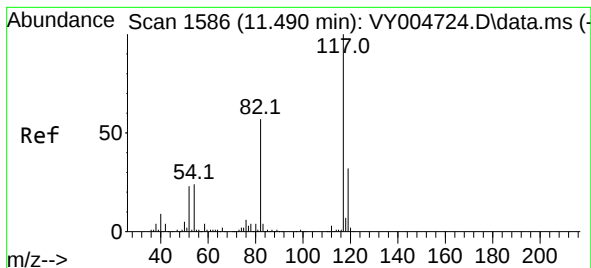
Tgt Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
58 34.6 28.7 43.1



#62
4-Bromofluorobenzene
Concen: 44.35 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 95 Resp: 136288
Ion Ratio Lower Upper
95 100
174 79.6 0.0 164.2
176 78.1 0.0 159.0

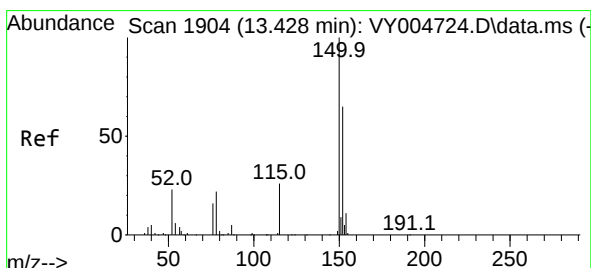
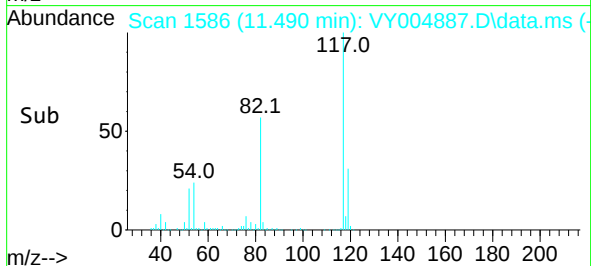
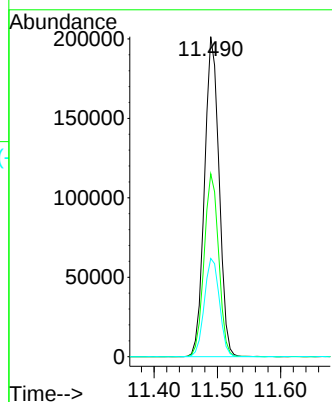
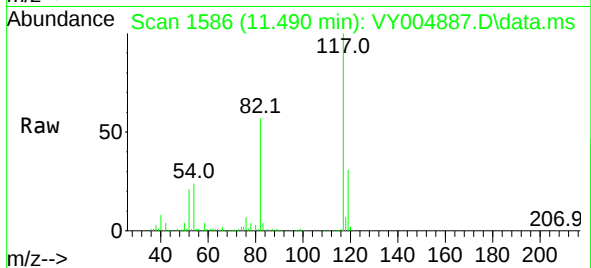




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

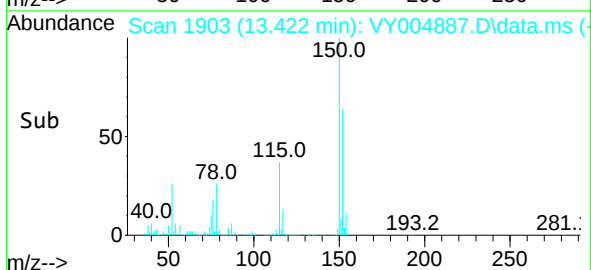
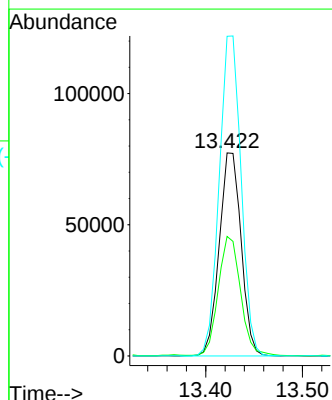
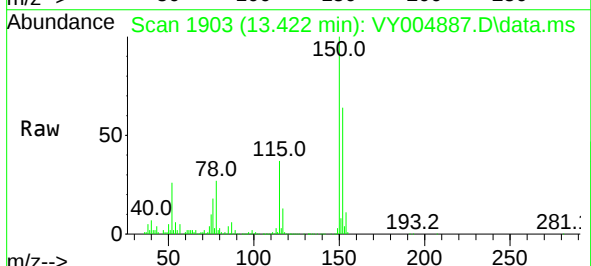
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

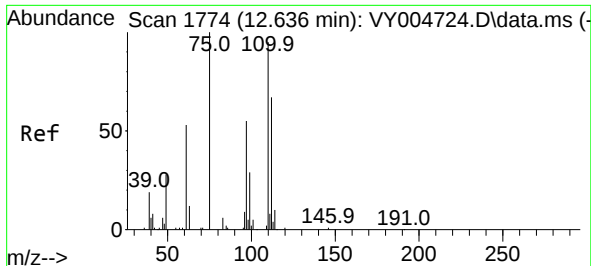
Tgt Ion:117 Resp: 323028
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 30.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion:152 Resp: 121588
Ion Ratio Lower Upper
152 100
115 59.6 29.4 88.3
150 157.1 0.0 349.8

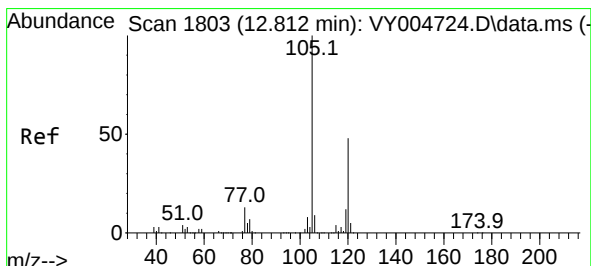
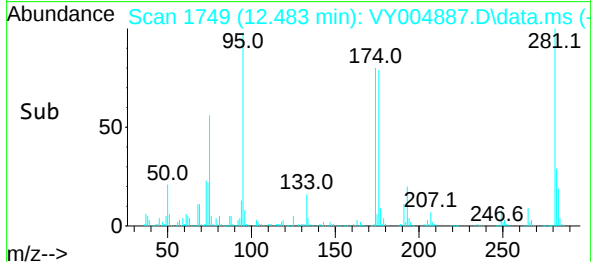
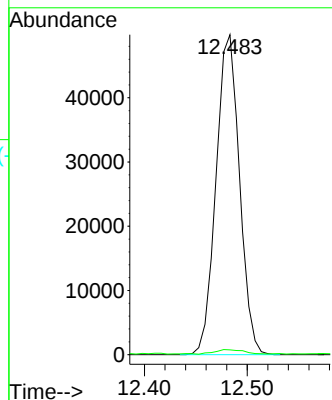
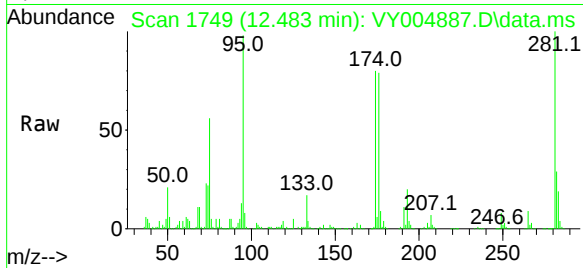




#76
1,2,3-Trichloropropane
Concen: 61.12 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

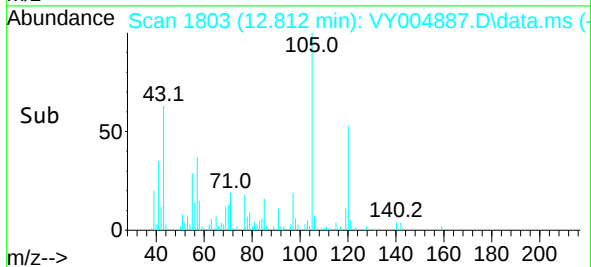
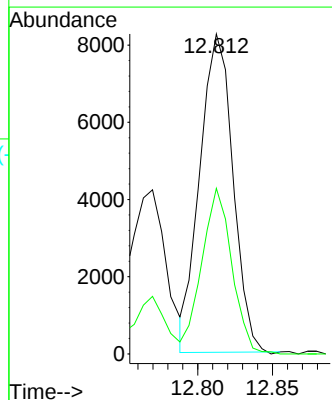
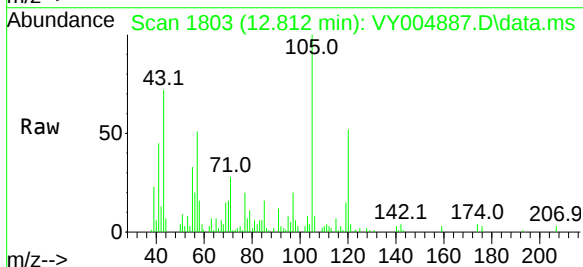
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

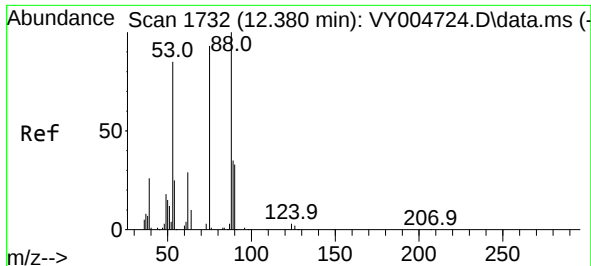
Tgt Ion: 75 Resp: 78928
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.66 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 105 Resp: 12667
Ion Ratio Lower Upper
105 100
120 47.4 24.0 72.0

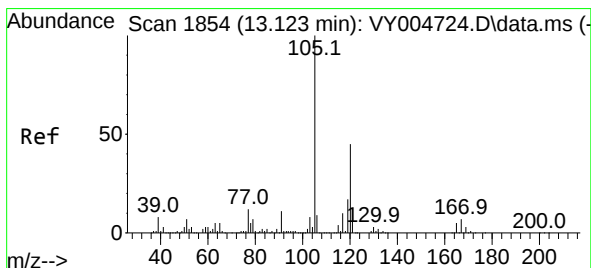
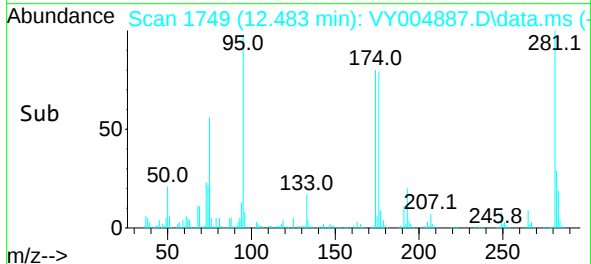
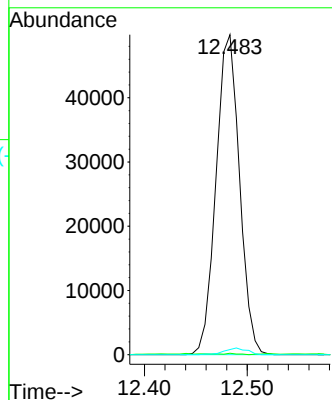
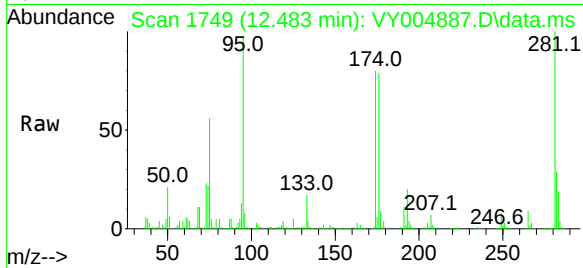




#81
trans-1,4-Dichloro-2-butene
Concen: 105.97 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

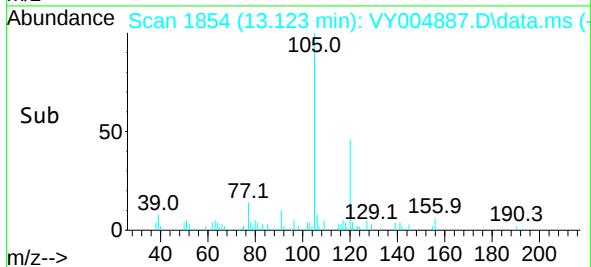
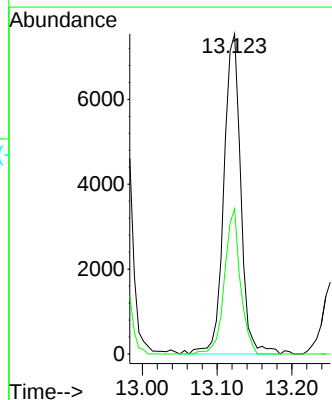
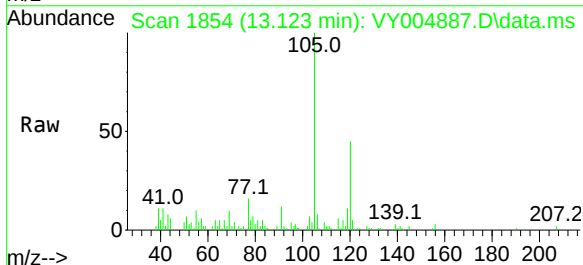
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

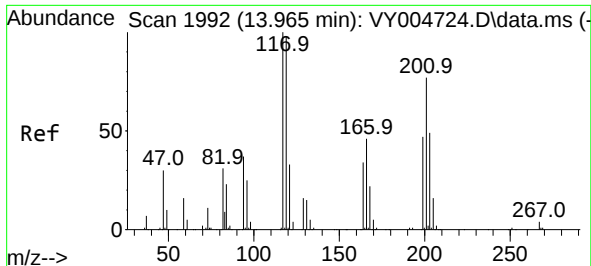
Tgt Ion: 75 Resp: 78928
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 2.0 35.5 53.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.56 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 105 Resp: 11869
Ion Ratio Lower Upper
105 100
120 42.5 22.5 67.5

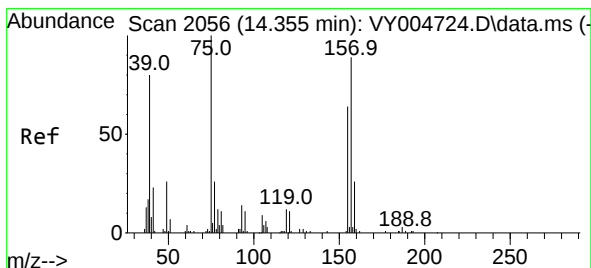
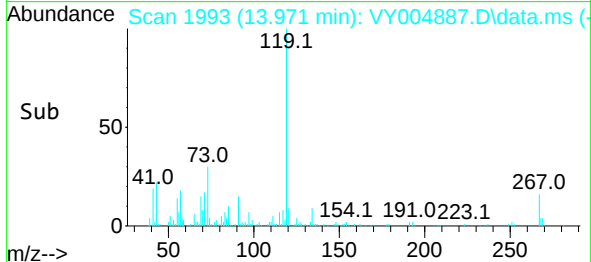
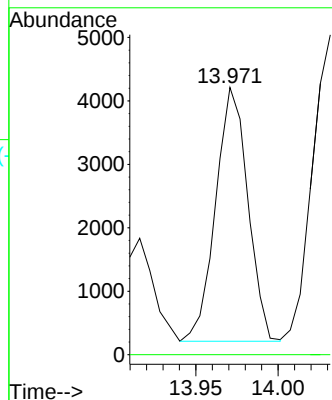
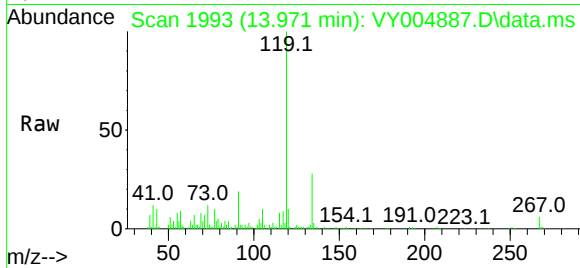




#90
Hexachloroethane
Concen: 4.71 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

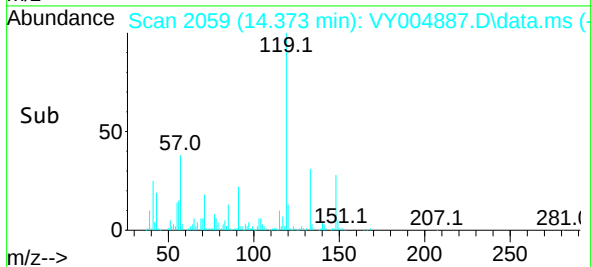
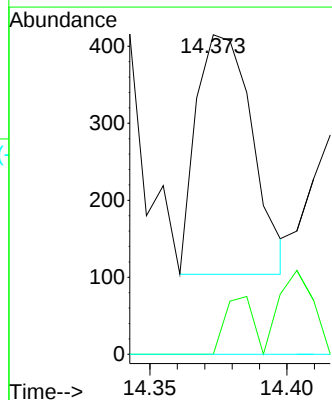
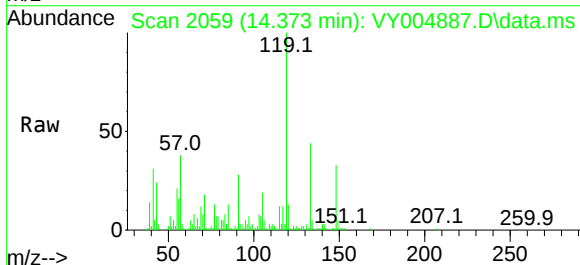
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

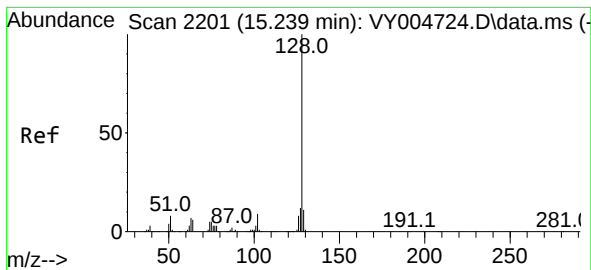
Tgt Ion:117 Resp: 5442
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.30 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.018 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Tgt Ion: 75 Resp: 444
Ion Ratio Lower Upper
75 100
155 11.9 39.0 117.0#
157 0.0 50.2 150.7#





#95
Naphthalene
Concen: 4.77 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004887.D
Acq: 26 May 2021 15:27

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-052521

Tgt Ion:128 Resp: 23846
Ion Ratio Lower Upper
128 100
127 23.3 10.2 15.2#
129 7.9 8.6 13.0#

