

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004907.D
 Acq On : 27 May 2021 17:57
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 28 01:06:20 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)

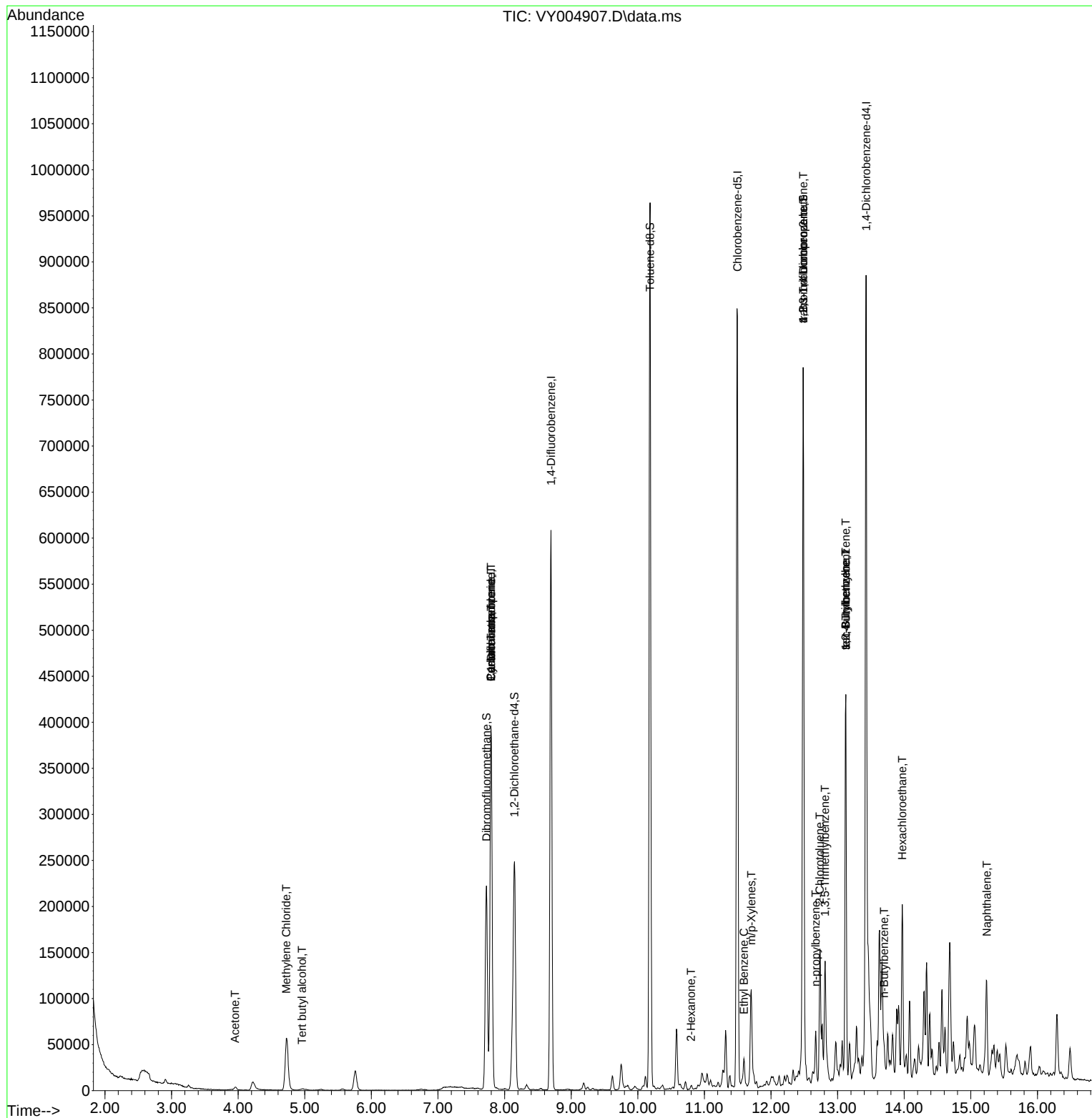
Internal Standards						
1) Pentafluorobenzene	7.795	168	306899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	515236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	463873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	212246	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	181023	49.55	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.10%		
35) Dibromofluoromethane	7.728	113	157080	55.69	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.38%		
50) Toluene-d8	10.185	98	627256	49.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.46%		
62) 4-Bromofluorobenzene	12.483	95	214351	49.84	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.68%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	3431	9.35	ug/l #	90
16) Acetone	3.954	43	5089	6.20	ug/l	94
20) Methylene Chloride	4.722	84	43702	3.57	ug/l	86
31) Cyclohexane	7.795	56	6913	1.17	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	23751	4.50	ug/l #	50
38) Carbon Tetrachloride	7.795	117	30254	6.37	ug/l #	17
59) 2-Hexanone	10.801	43	2487	1.02	ug/l #	27
67) Ethyl Benzene	11.593	91	20409	1.15	ug/l	100
68) m/p-Xylenes	11.703	106	30008	4.50	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	112092	49.72	ug/l #	100
78) n-propylbenzene	12.672	91	39074	2.00	ug/l	99
79) 2-Chlorotoluene	12.733	91	11431	1.07	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.812	105	51296	3.86	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	112092	86.21	ug/l #	13
83) tert-Butylbenzene	13.123	119	27258	2.40	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.123	105	220864	16.59	ug/l	99
85) sec-Butylbenzene	13.123	105	220839	13.38	ug/l #	57
89) n-Butylbenzene	13.696	91	14313	1.02	ug/l #	73
90) Hexachloroethane	13.971	117	6888	3.42	ug/l #	14
95) Naphthalene	15.239	128	75223	8.63	ug/l	97

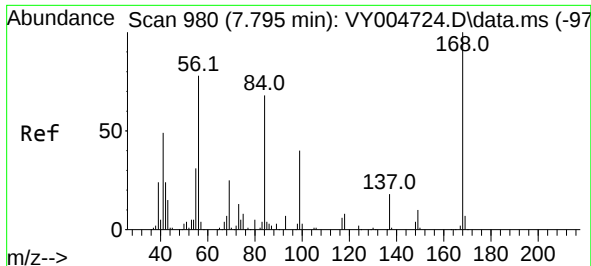
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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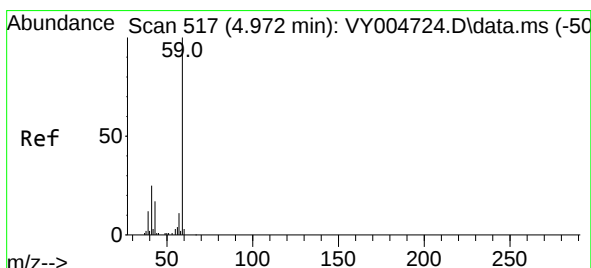
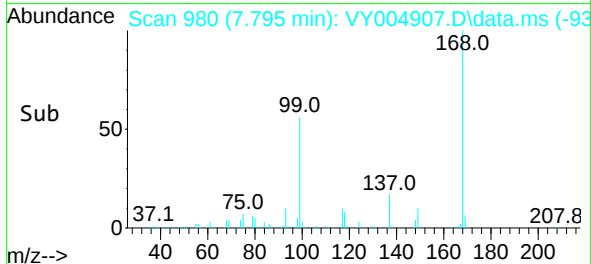
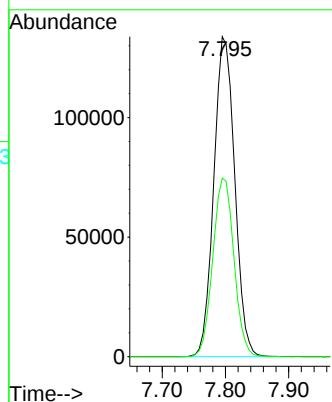
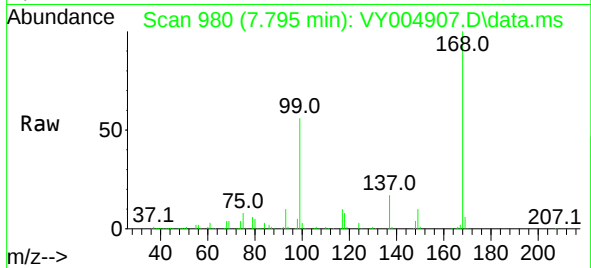




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

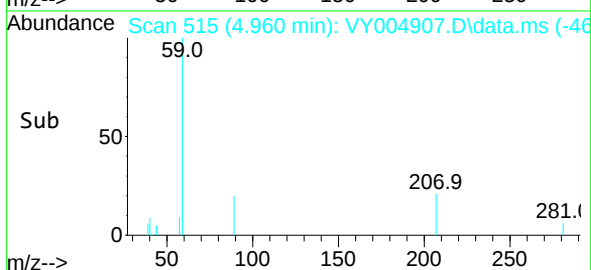
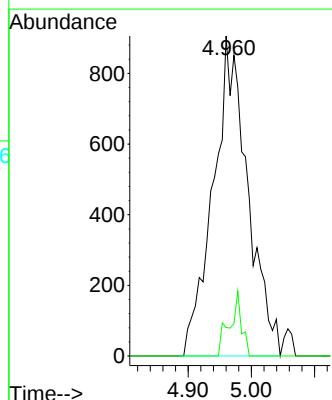
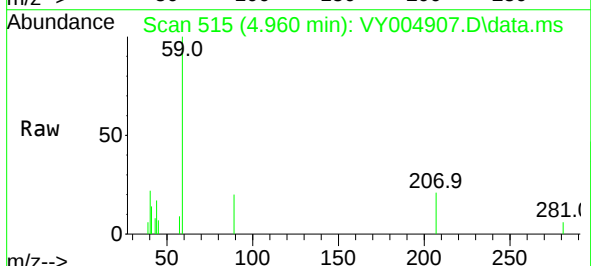
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

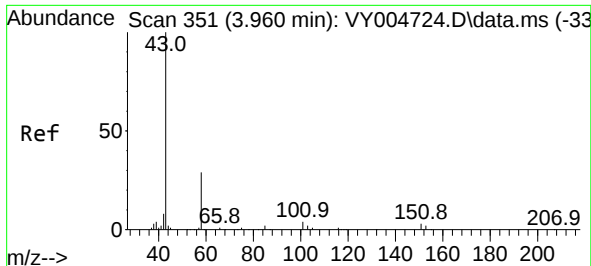
Tgt Ion:168 Resp: 306899
Ion Ratio Lower Upper
168 100
99 55.8 45.6 68.4



#11
Tert butyl alcohol
Concen: 9.35 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion: 59 Resp: 3431
Ion Ratio Lower Upper
59 100
57 7.1 8.7 13.1#

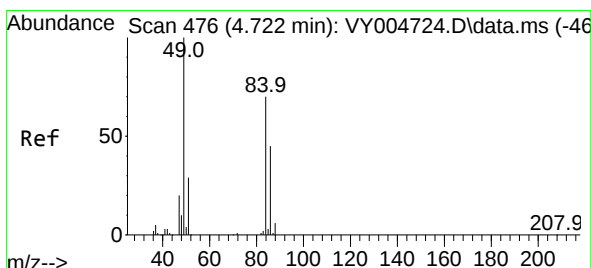
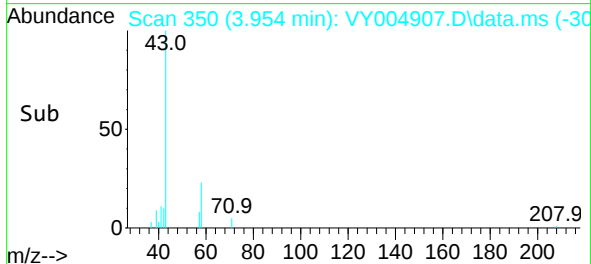
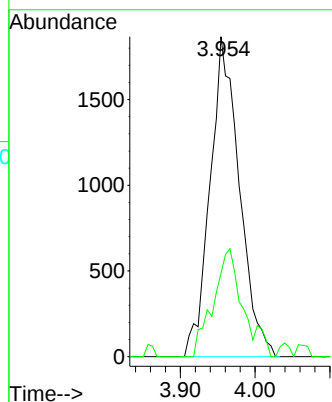
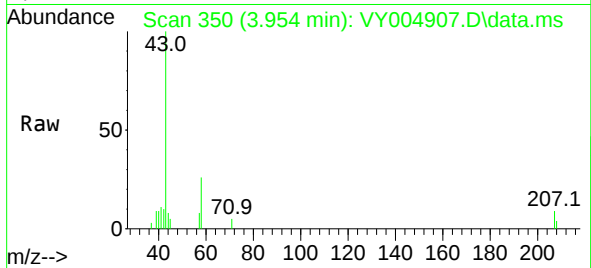




#16
Acetone
Concen: 6.20 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

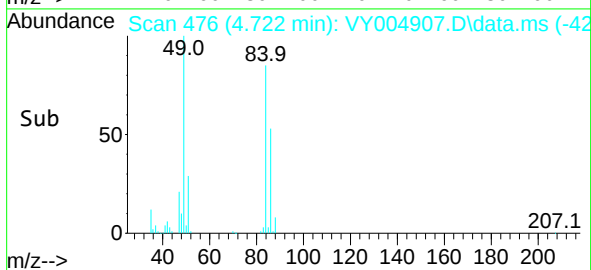
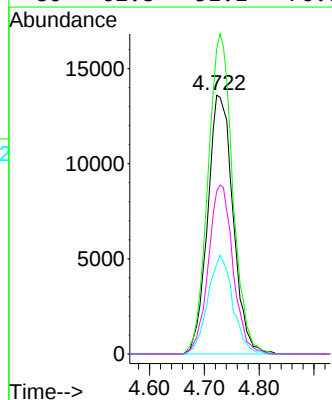
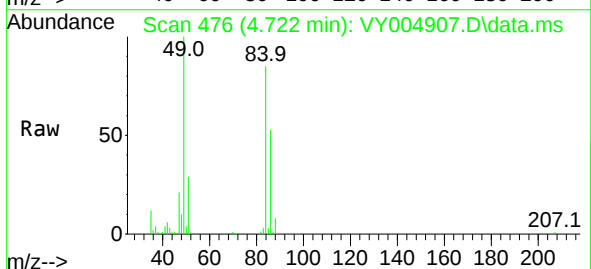
Instrument :
MSVOA_Y
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VIBLK

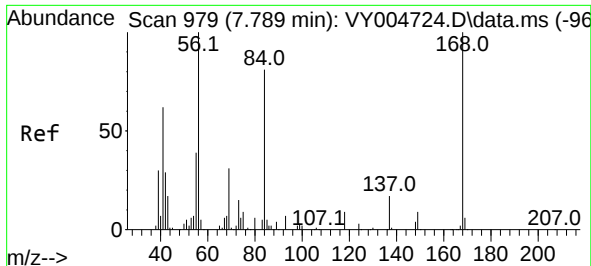
Tgt Ion: 43 Resp: 5089
Ion Ratio Lower Upper
43 100
58 26.0 23.6 35.4



#20
Methylene Chloride
Concen: 3.57 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

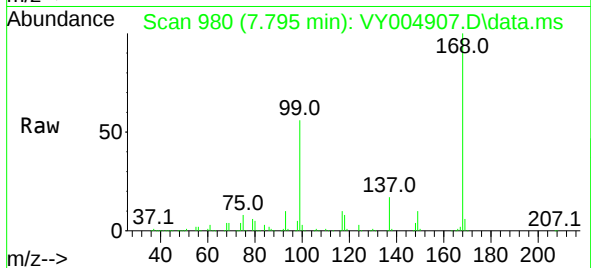
Tgt Ion: 84 Resp: 43702
Ion Ratio Lower Upper
84 100
49 117.9 113.8 170.8
51 34.7 33.5 50.3
86 62.8 51.1 76.7



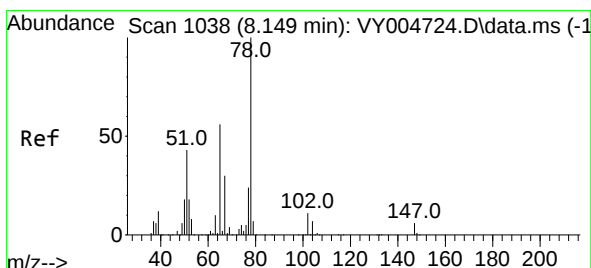
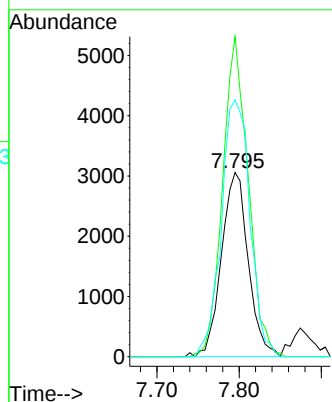
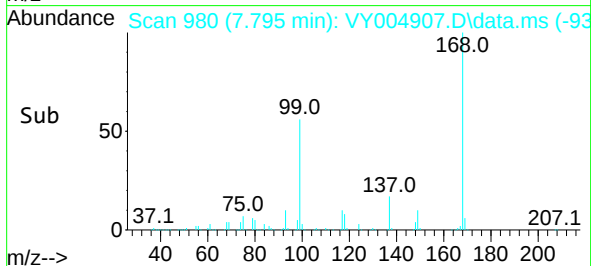


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

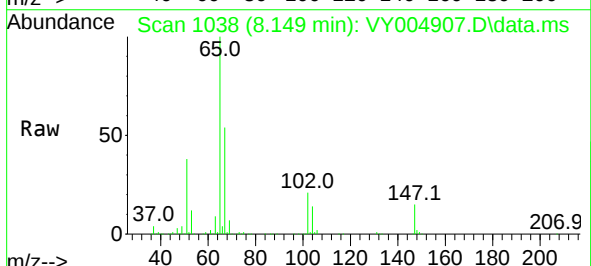
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK



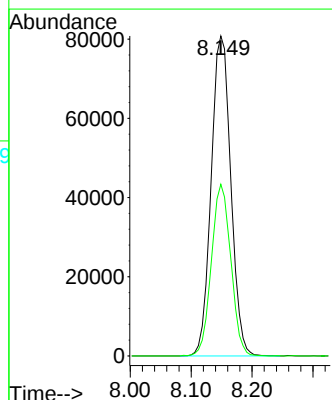
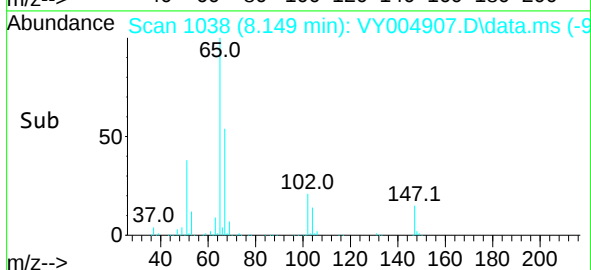
Tgt Ion: 56 Resp: 6913
Ion Ratio Lower Upper
56 100
69 173.7 24.4 36.6#
84 139.4 64.8 97.2#

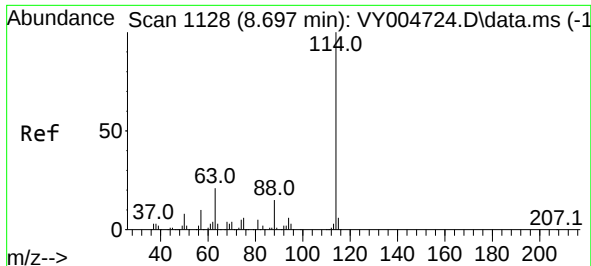


#33
1,2-Dichloroethane-d4
Concen: 49.55 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004907.D
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Tgt Ion: 65 Resp: 181023
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.0

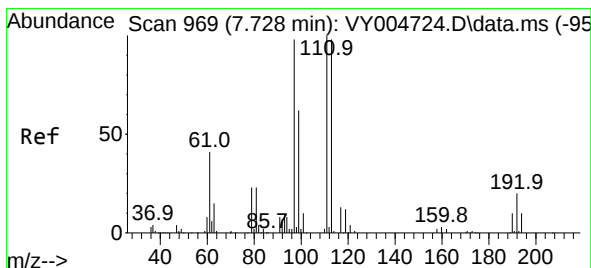
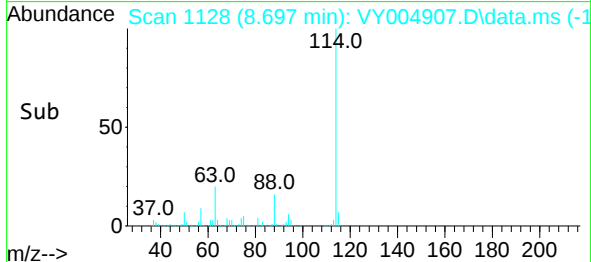
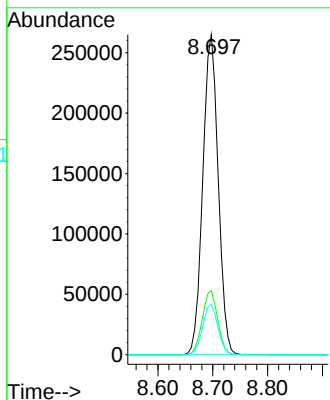
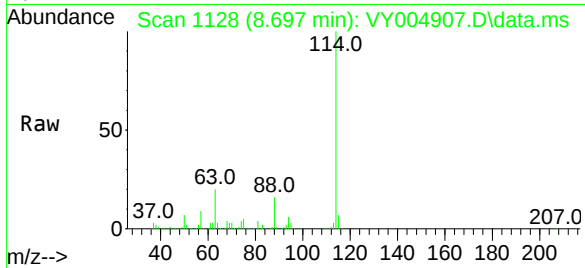




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

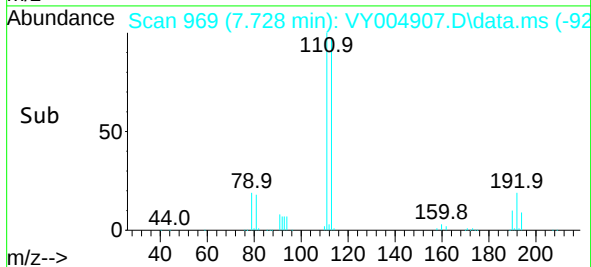
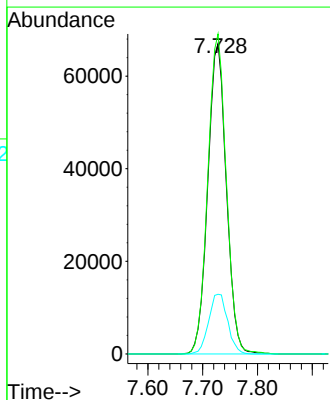
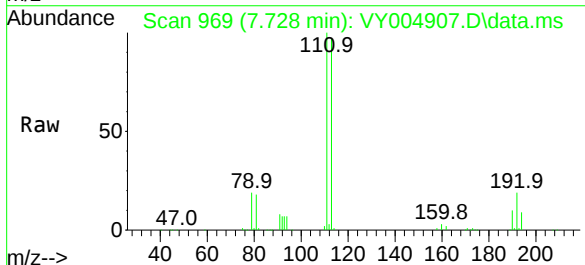
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

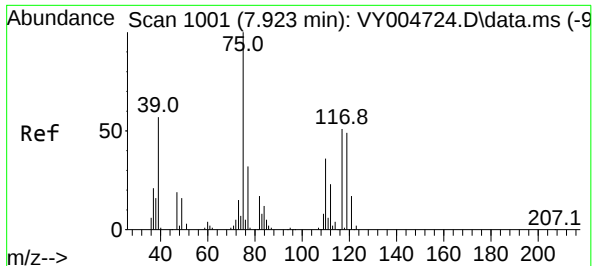
Tgt Ion:114 Resp: 515236
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.8
88 15.7 0.0 31.0



#35
Dibromofluoromethane
Concen: 55.69 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion:113 Resp: 157080
Ion Ratio Lower Upper
113 100
111 103.0 80.5 120.7
192 19.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.50 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY004907.D

Acq: 27 May 2021 17:57

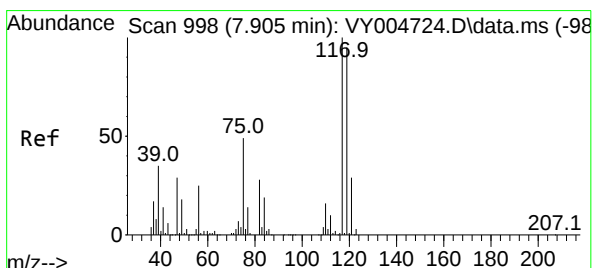
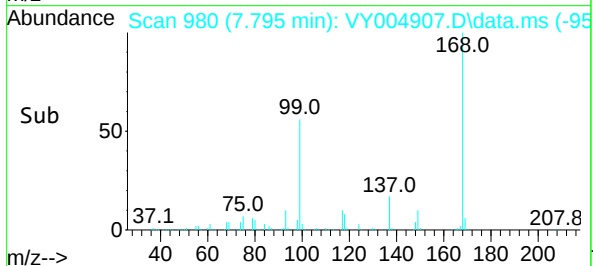
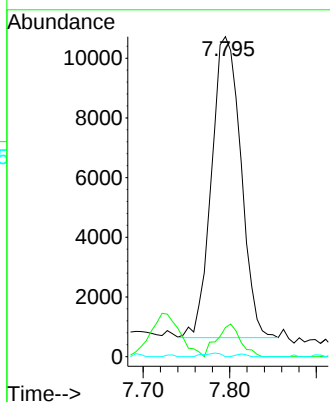
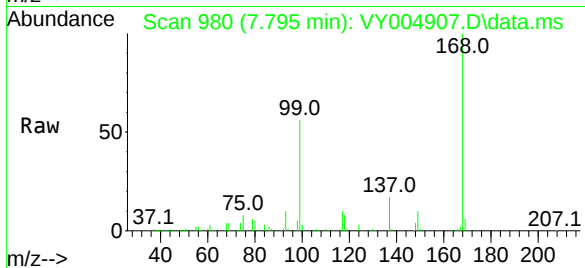
Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion:	75	Resp:	23751
Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.7	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.37 ug/l

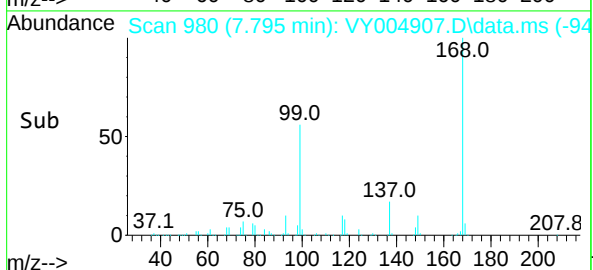
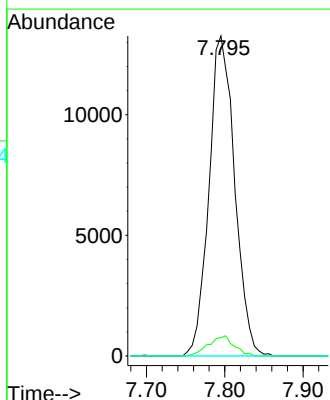
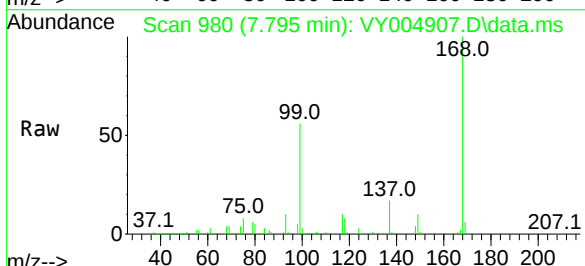
RT: 7.795 min Scan# 980

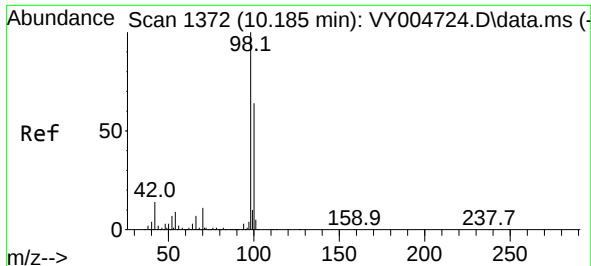
Delta R.T. -0.110 min

Lab File: VY004907.D

Acq: 27 May 2021 17:57

Tgt Ion:	117	Resp:	30254
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.3	114.5#
121	0.0	23.0	34.6#

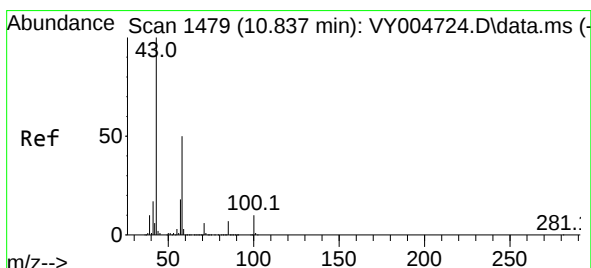
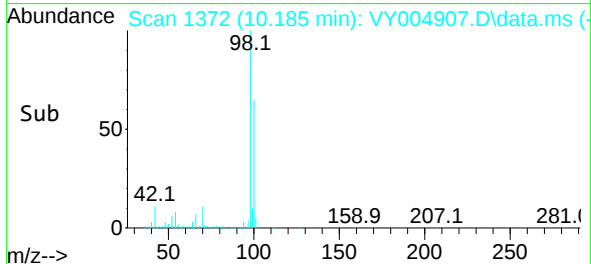
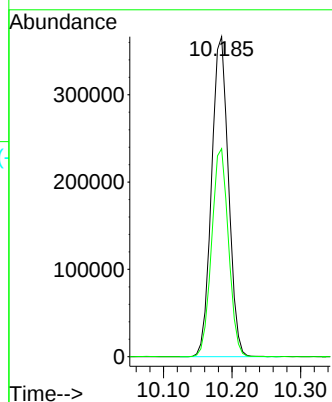
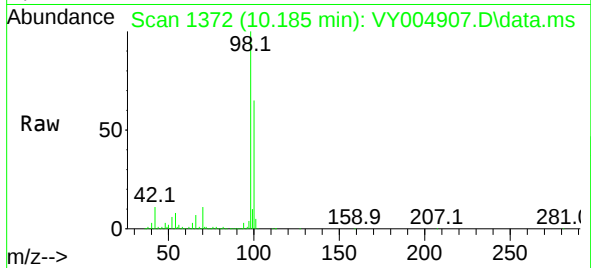




#50
Toluene-d8
Concen: 49.23 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

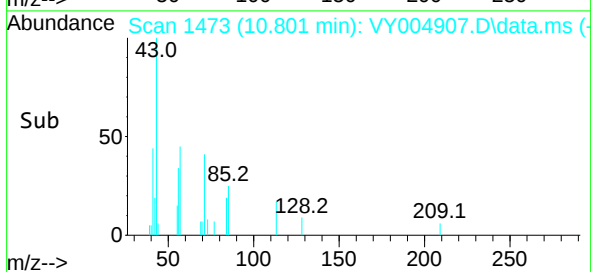
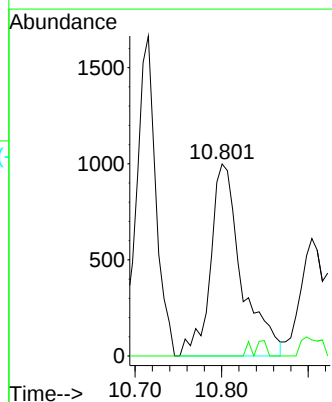
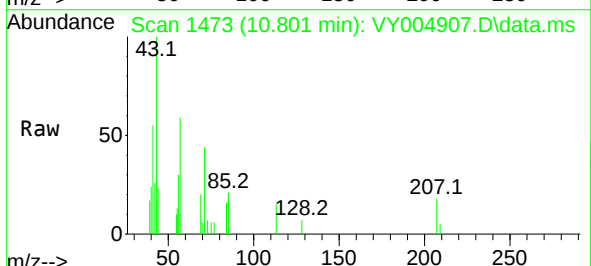
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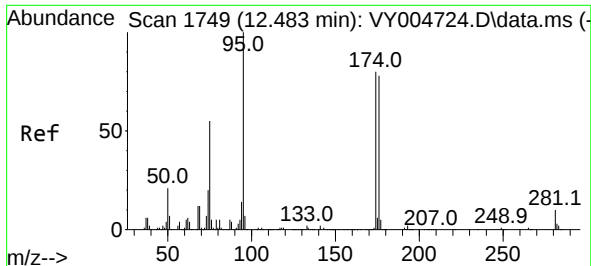
Tgt Ion: 98 Resp: 627256
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#59
2-Hexanone
Concen: 1.02 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion: 43 Resp: 2487
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.8#

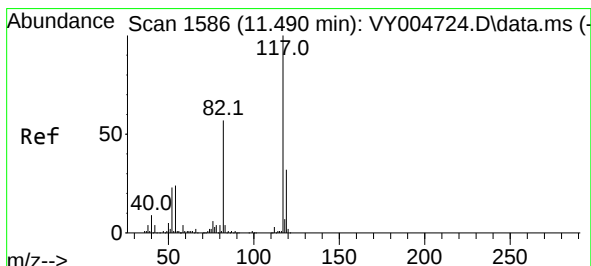
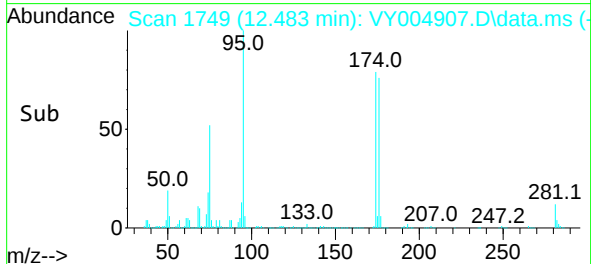
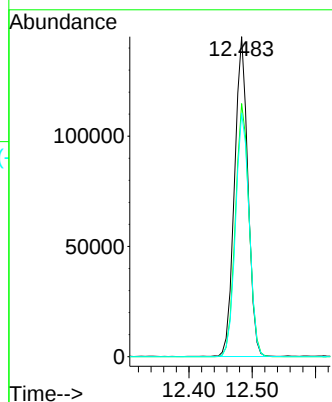
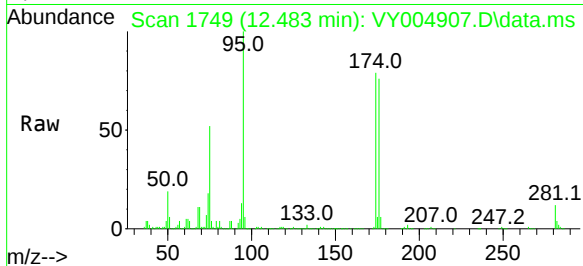




#62
4-Bromofluorobenzene
Concen: 49.84 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

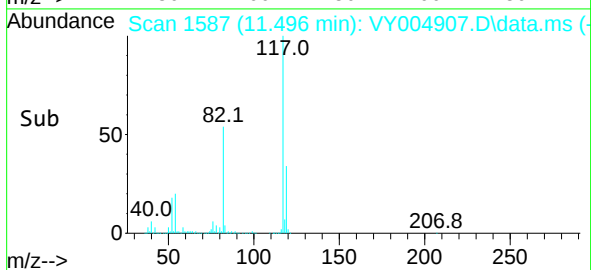
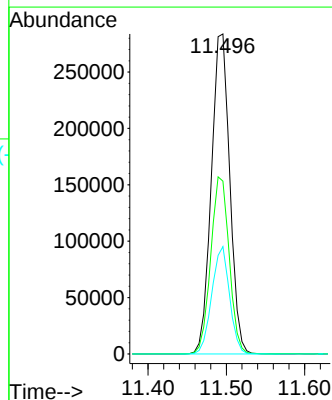
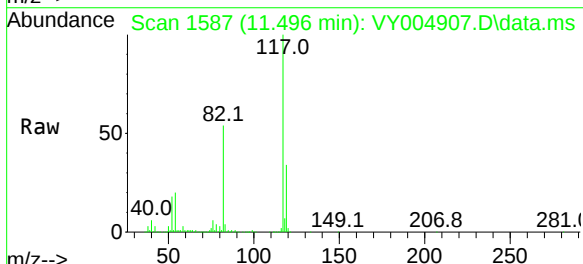
Instrument :
MSVOA_Y
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VIBLK

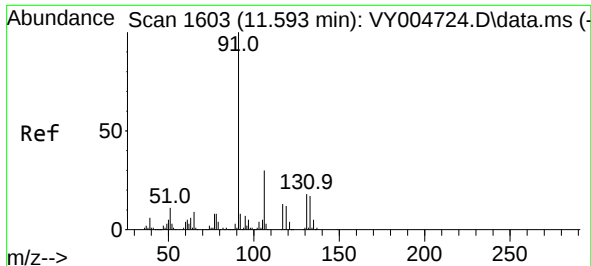
Tgt Ion: 95 Resp: 214351
Ion Ratio Lower Upper
95 100
174 80.5 0.0 164.2
176 77.7 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion: 117 Resp: 463873
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.2
119 33.5 25.8 38.6

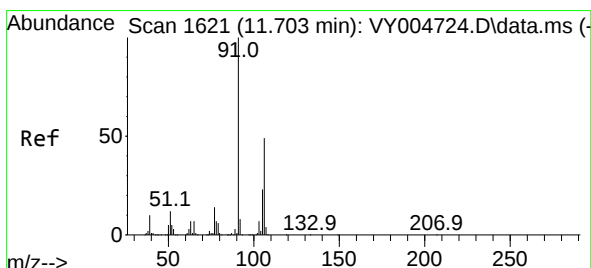
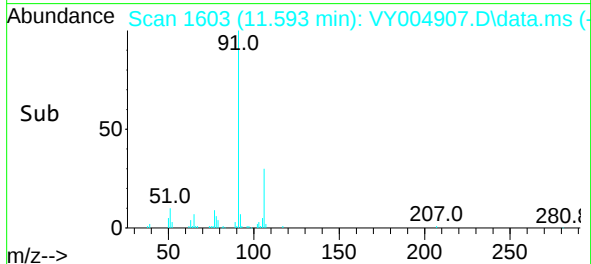
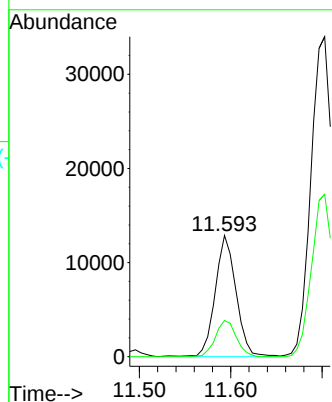
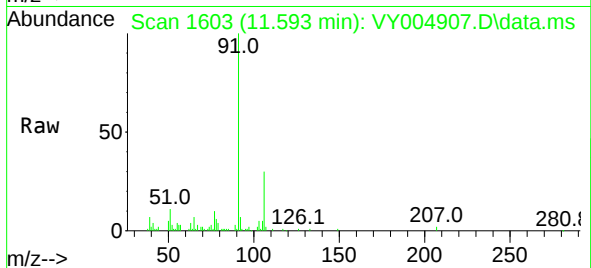




#67
Ethyl Benzene
Concen: 1.15 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

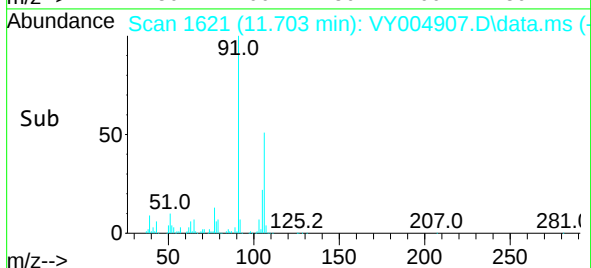
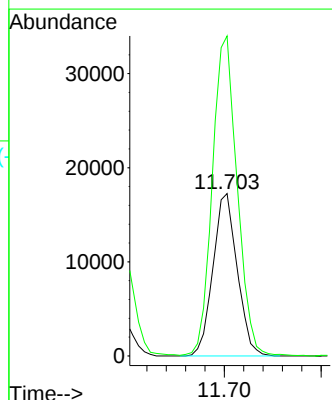
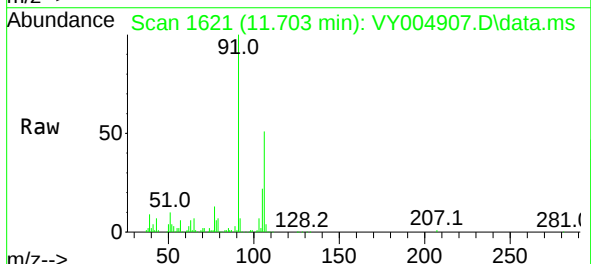
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

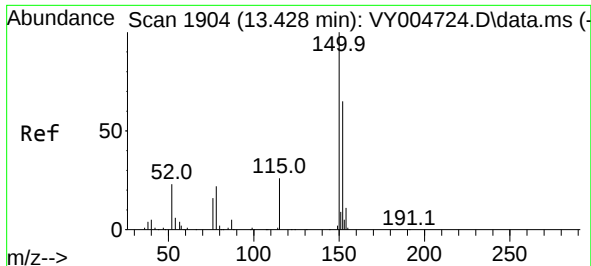
Tgt Ion: 91 Resp: 20409
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0



#68
m/p-Xylenes
Concen: 4.50 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion:106 Resp: 30008
Ion Ratio Lower Upper
106 100
91 202.2 163.6 245.4

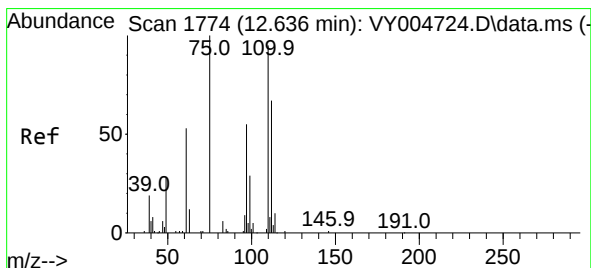
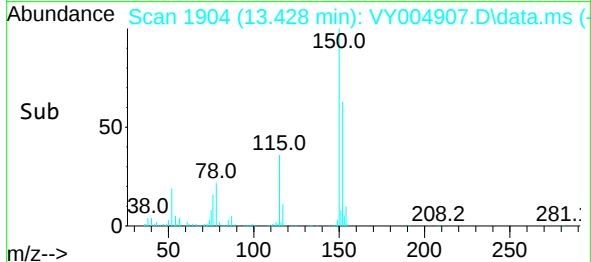
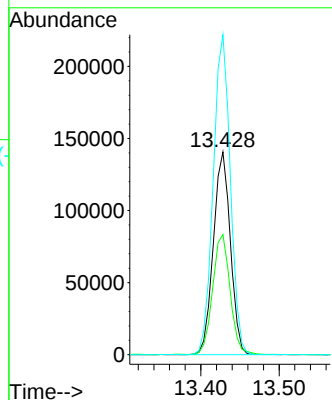
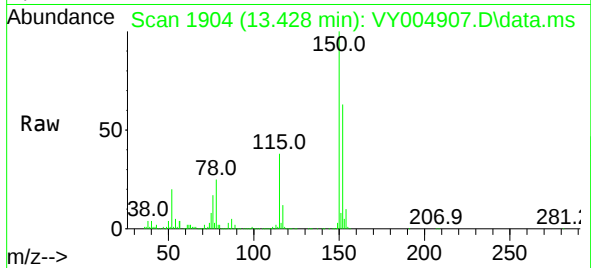




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004907.D
 Acq: 27 May 2021 17:57

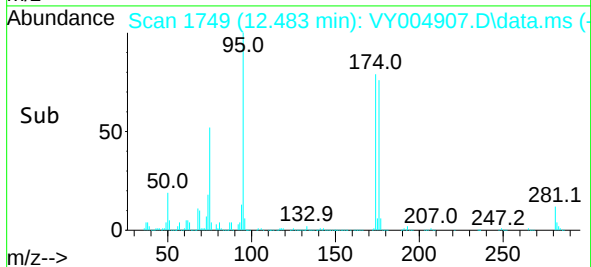
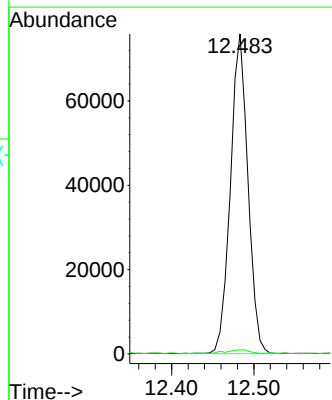
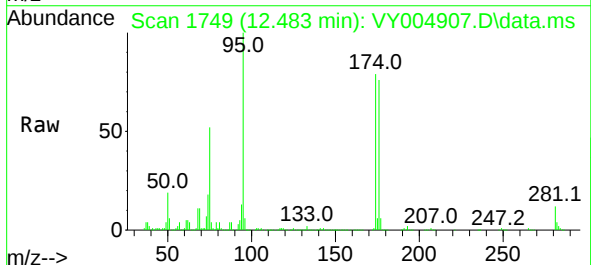
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

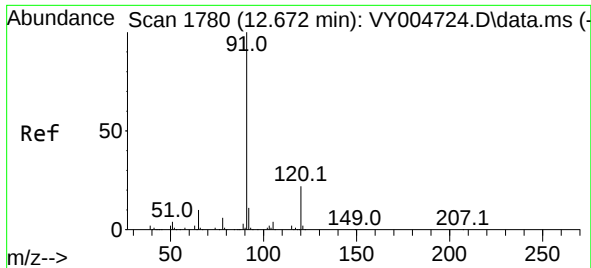
Tgt Ion:152 Resp: 212246
 Ion Ratio Lower Upper
 152 100
 115 60.7 29.4 88.3
 150 158.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 49.72 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY004907.D
 Acq: 27 May 2021 17:57

Tgt Ion: 75 Resp: 112092
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

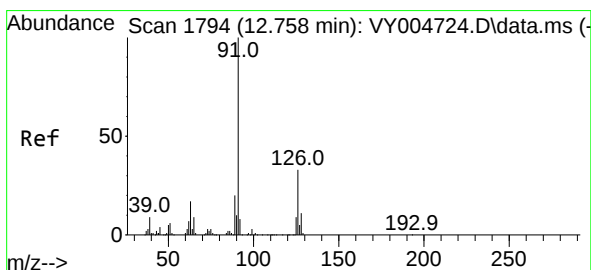
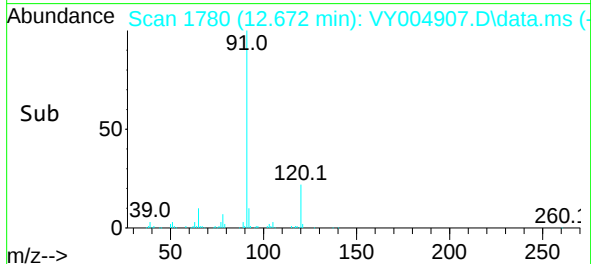
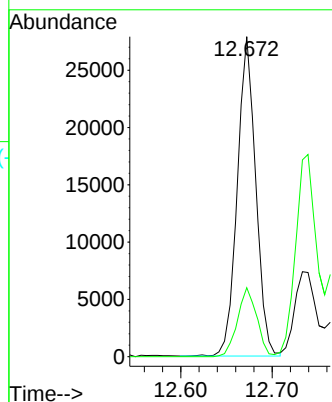
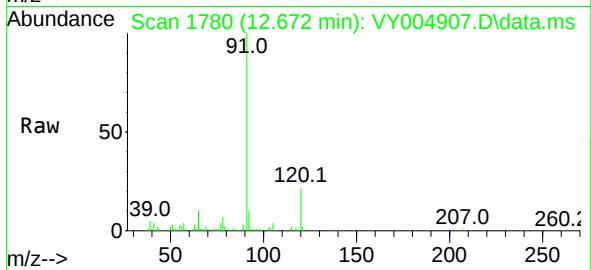




#78
n-propylbenzene
Concen: 2.00 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

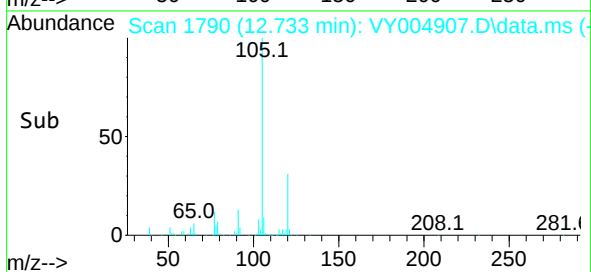
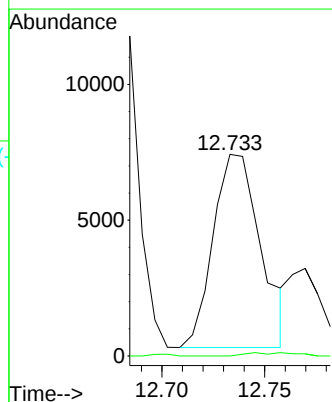
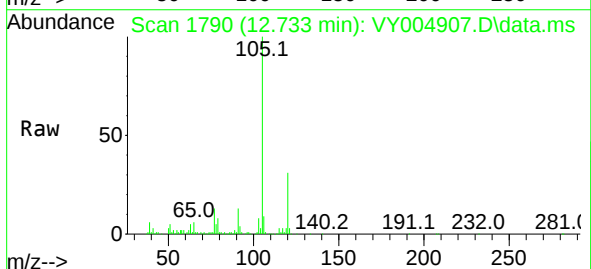
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

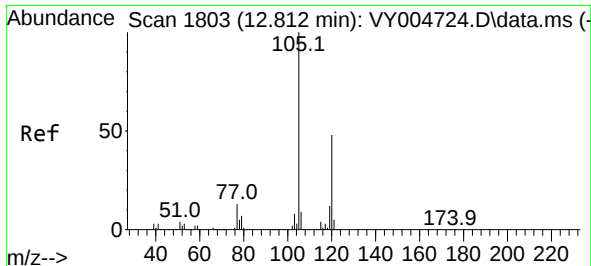
Tgt Ion: 91 Resp: 39074
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3



#79
2-Chlorotoluene
Concen: 1.07 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.024 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion: 91 Resp: 11431
Ion Ratio Lower Upper
91 100
126 0.8 16.8 50.3#

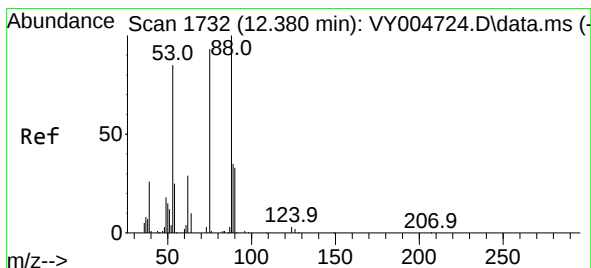
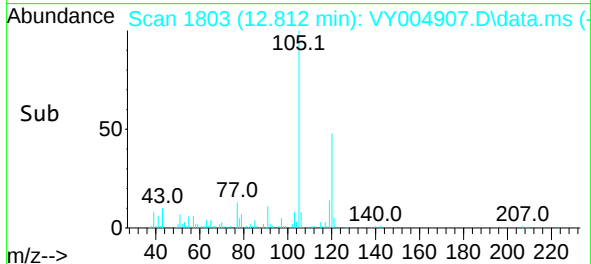
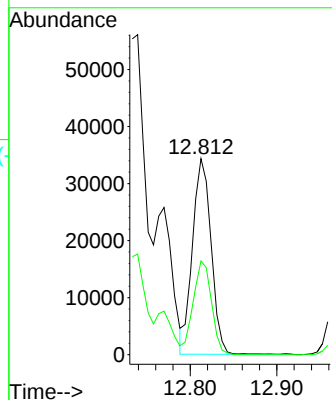
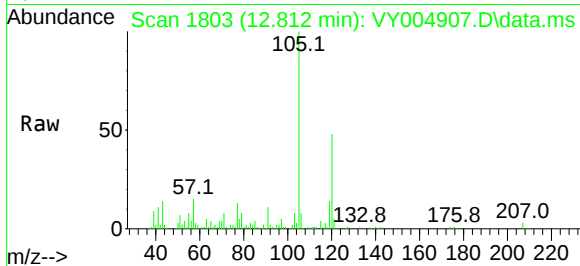




#80
1,3,5-Trimethylbenzene
Concen: 3.86 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

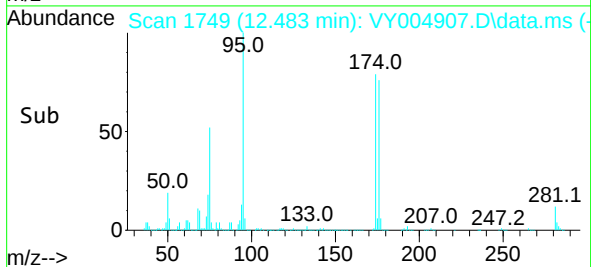
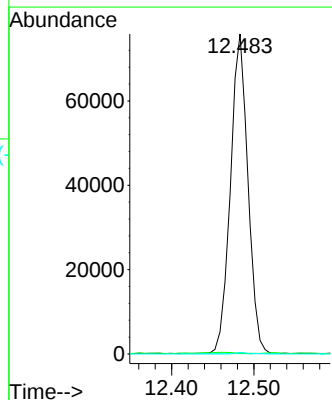
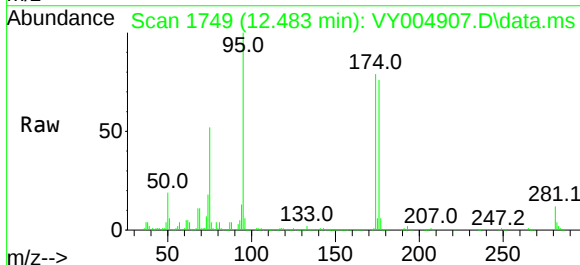
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

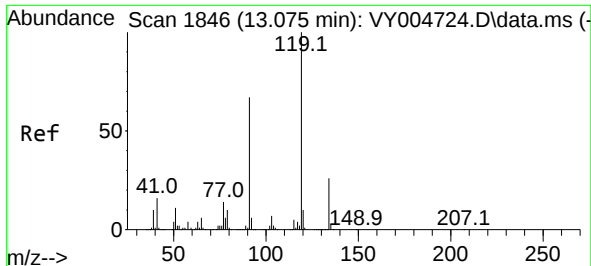
Tgt Ion:105 Resp: 51296
Ion Ratio Lower Upper
105 100
120 47.2 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 86.21 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion: 75 Resp: 112092
Ion Ratio Lower Upper
75 100
53 0.8 73.9 110.9#
89 0.4 35.5 53.3#

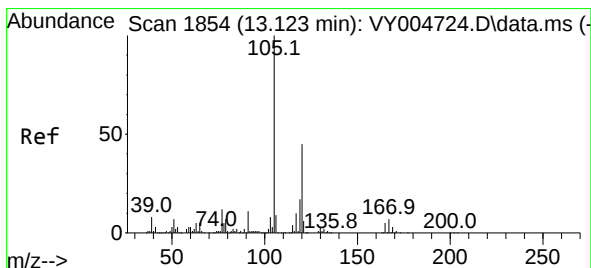
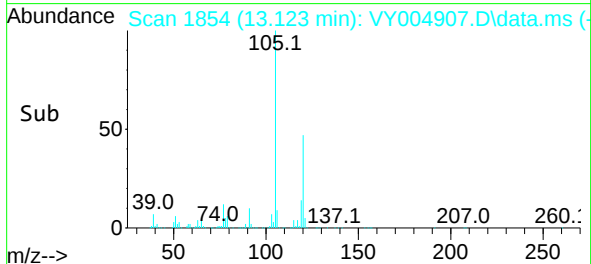
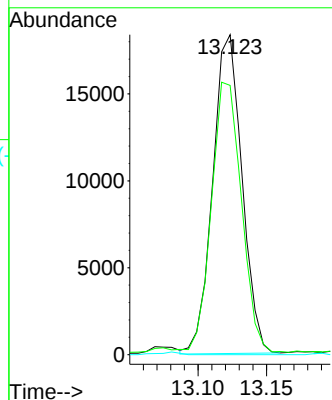
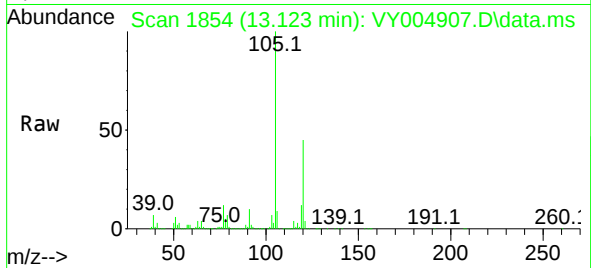




#83
tert-Butylbenzene
Concen: 2.40 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

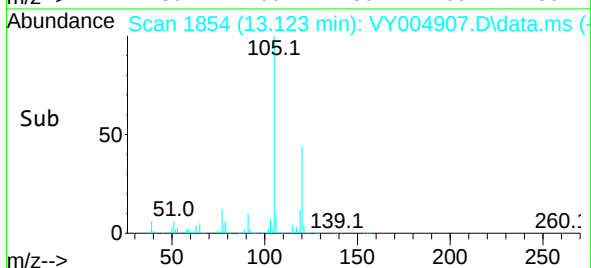
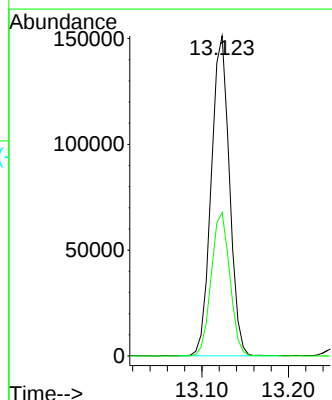
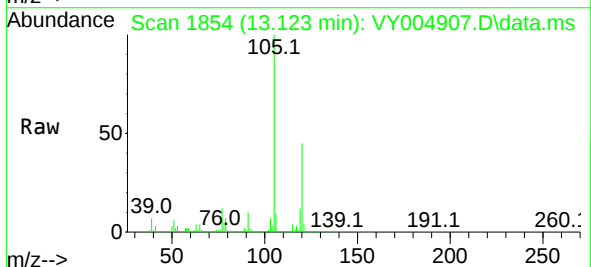
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

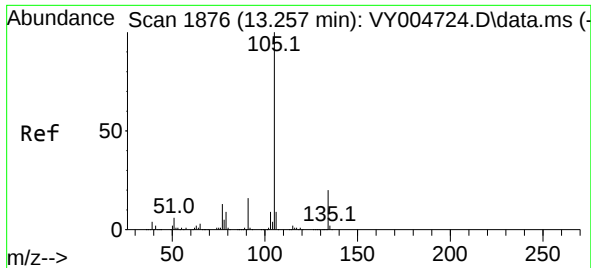
Tgt Ion:119 Resp: 27258
Ion Ratio Lower Upper
119 100
91 86.7 32.3 96.8
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 16.59 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion:105 Resp: 220864
Ion Ratio Lower Upper
105 100
120 45.7 22.5 67.5

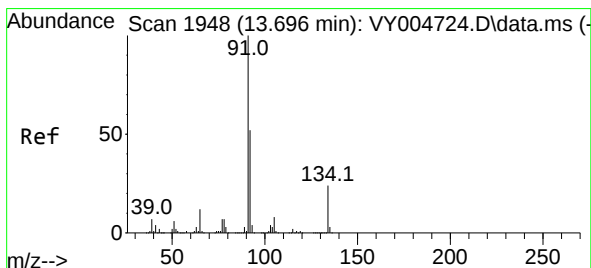
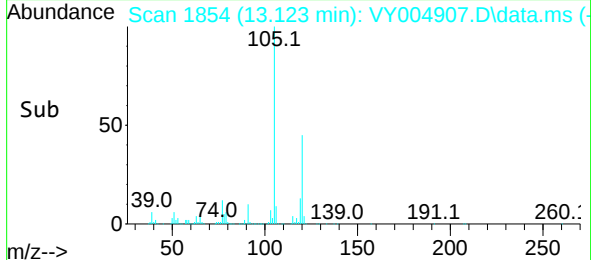
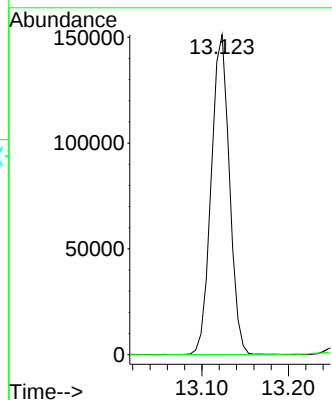
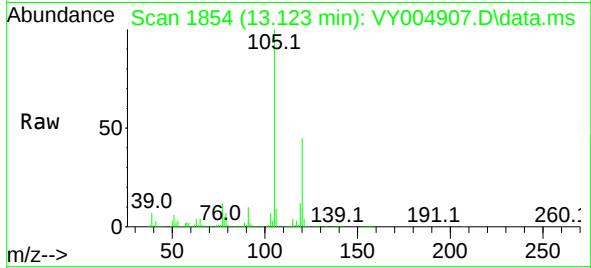




#85
sec-Butylbenzene
Concen: 13.38 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

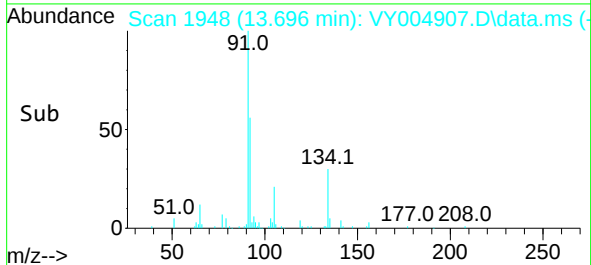
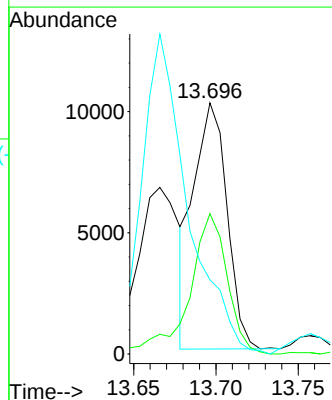
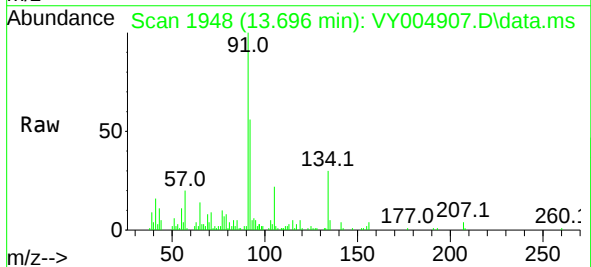
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

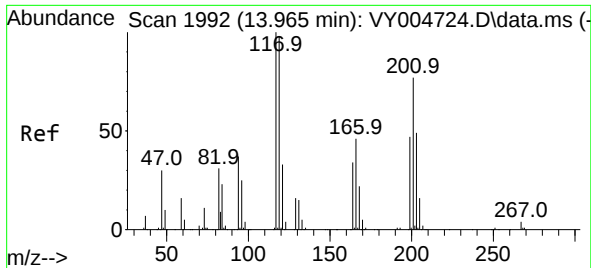
Tgt Ion:105 Resp: 220839
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#



#89
n-Butylbenzene
Concen: 1.02 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion: 91 Resp: 14313
Ion Ratio Lower Upper
91 100
92 64.1 26.4 79.0
134 0.0 12.6 37.6#

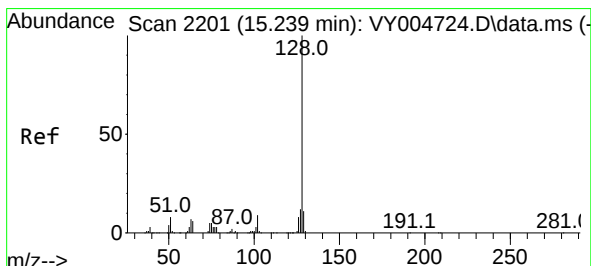
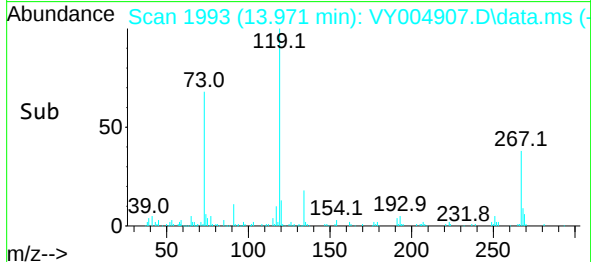
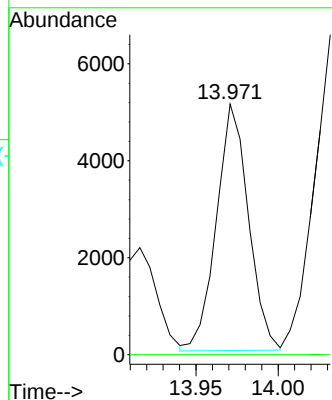
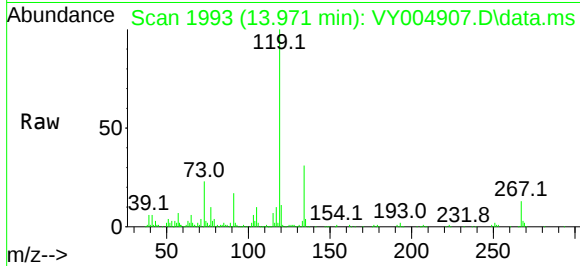




#90
Hexachloroethane
Concen: 3.42 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Instrument :
MSVOA_Y
ClientSampled :
VIBLK

Tgt Ion:117 Resp: 6888
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#95
Naphthalene
Concen: 8.63 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004907.D
Acq: 27 May 2021 17:57

Tgt Ion:128 Resp: 75223
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.2
129 11.3 8.6 13.0

