

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004905.D
 Acq On : 27 May 2021 17:10
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 27 17:46:34 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)

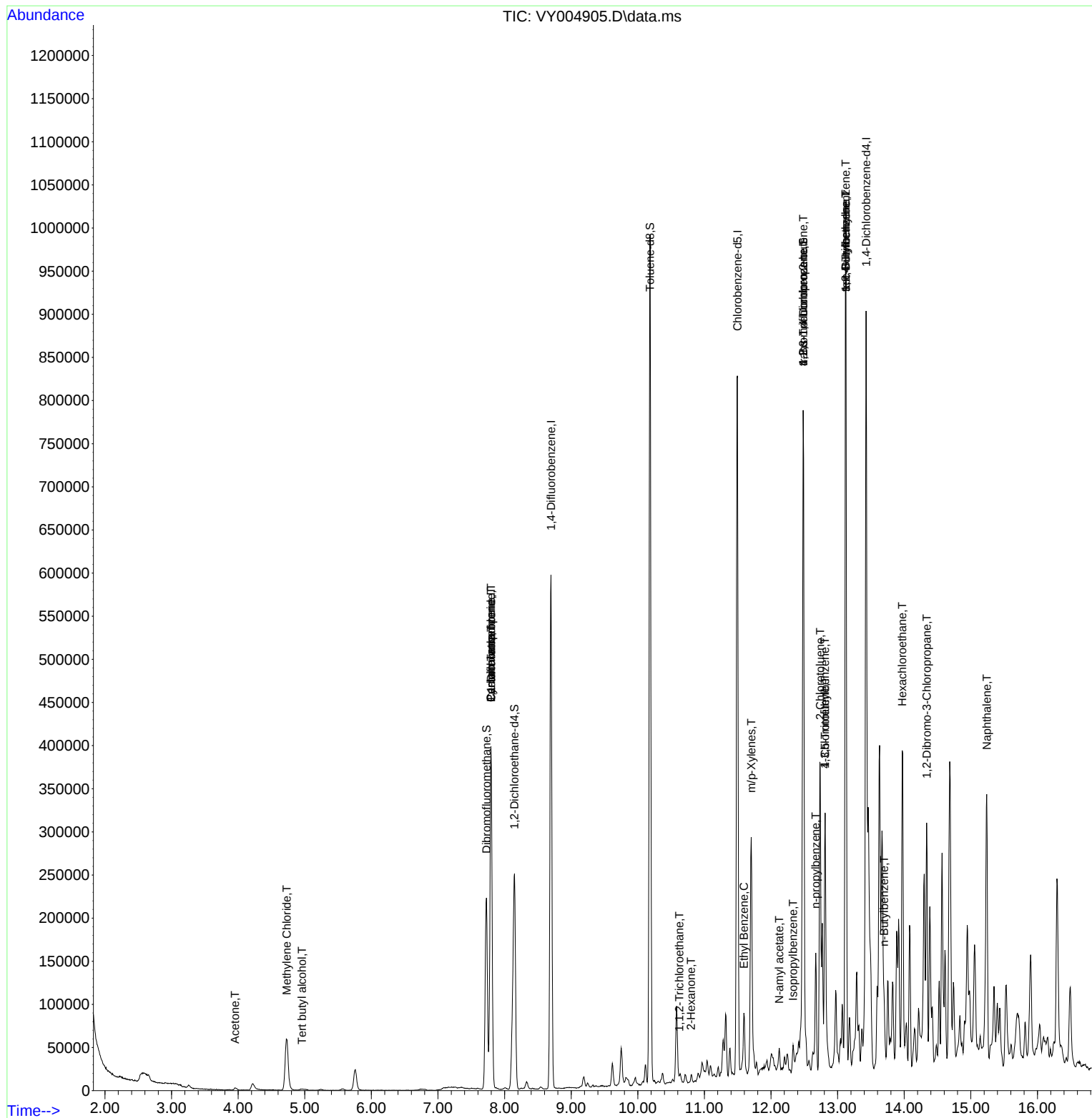
Internal Standards						
1) Pentafluorobenzene	7.795	168	302715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	504072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	450590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	207421	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	177376	49.23	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.46%		
35) Dibromofluoromethane	7.728	113	158268	57.35	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	114.70%		
50) Toluene-d8	10.185	98	635414	50.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.94%		
62) 4-Bromofluorobenzene	12.483	95	221276	52.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.18%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	2130	5.88	ug/l #	74
16) Acetone	3.954	43	4186	5.17	ug/l	95
20) Methylene Chloride	4.728	84	47562	5.00	ug/l	88
31) Cyclohexane	7.795	56	7028	1.20	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	24273	4.70	ug/l #	51
38) Carbon Tetrachloride	7.795	117	30377	6.54	ug/l #	16
55) 1,1,2-Trichloroethane	10.624	97	3301	1.13	ug/l #	25
59) 2-Hexanone	10.801	43	3798	1.59	ug/l #	35
67) Ethyl Benzene	11.593	91	48226	2.80	ug/l	95
68) m/p-Xylenes	11.703	106	77632	11.99	ug/l	97
73) Isopropylbenzene	12.331	105	17212	1.10	ug/l	95
74) N-amyl acetate	12.123	43	6265	1.13	ug/l #	80
76) 1,2,3-Trichloropropane	12.483	75	113149	51.36	ug/l #	100
78) n-propylbenzene	12.672	91	99300	5.20	ug/l	98
79) 2-Chlorotoluene	12.739	91	27898	2.66	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.812	105	110247	8.48	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	113149	89.05	ug/l #	13
82) 4-Chlorotoluene	12.812	91	12429	1.14	ug/l #	45
83) tert-Butylbenzene	13.123	119	65599	5.91	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.123	105	530409	40.78	ug/l	99
85) sec-Butylbenzene	13.123	105	530409	32.88	ug/l #	57
89) n-Butylbenzene	13.696	91	36410	2.66	ug/l #	79
90) Hexachloroethane	13.971	117	16397	8.33	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.336	75	1192	2.04	ug/l #	4
95) Naphthalene	15.239	128	224046	26.29	ug/l	98

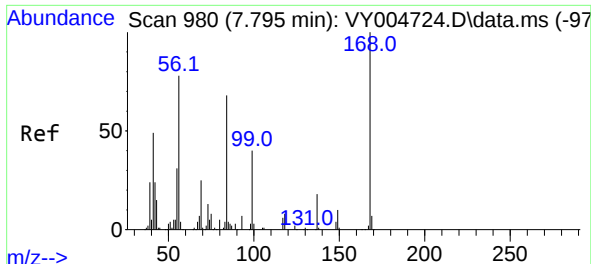
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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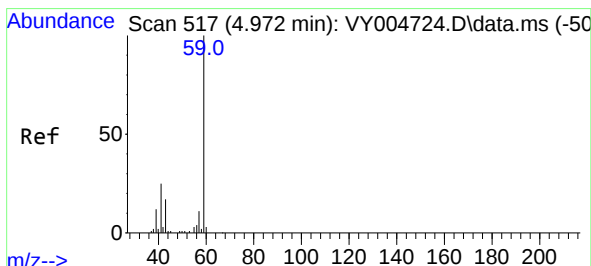
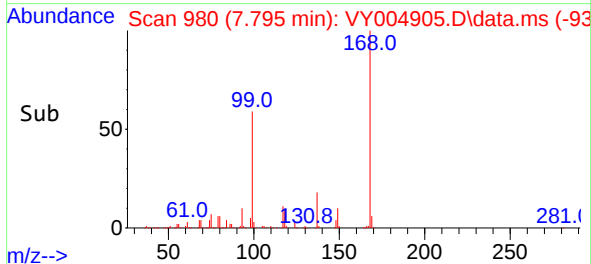
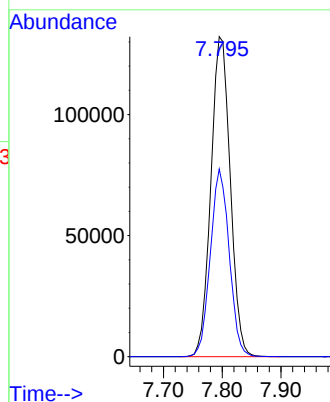
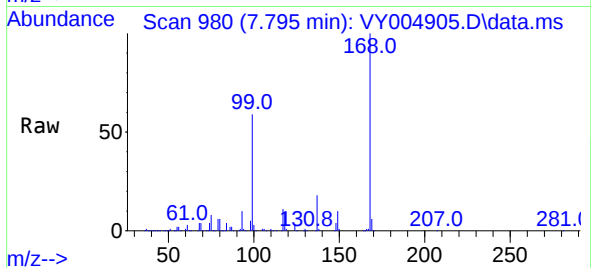




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

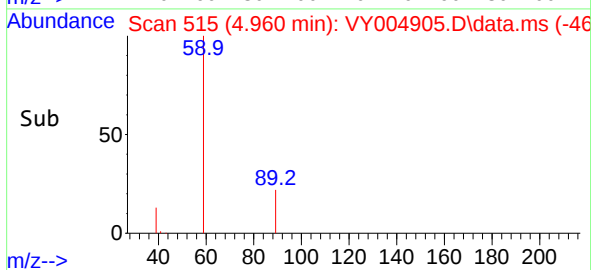
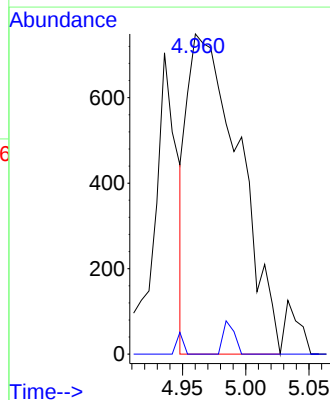
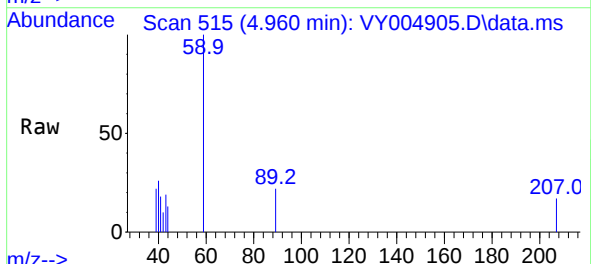
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

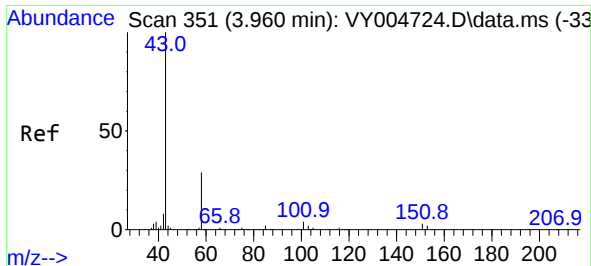
Tgt Ion:168 Resp: 302715
Ion Ratio Lower Upper
168 100
99 58.6 45.6 68.4



#11
Tert butyl alcohol
Concen: 5.88 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 59 Resp: 2130
Ion Ratio Lower Upper
59 100
57 0.9 8.7 13.1#

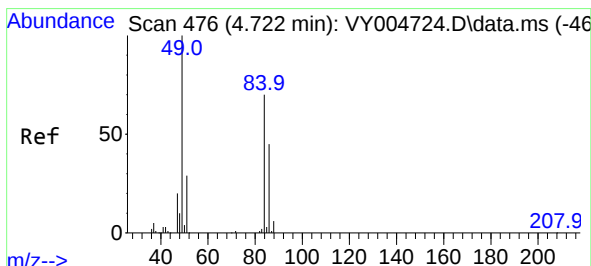
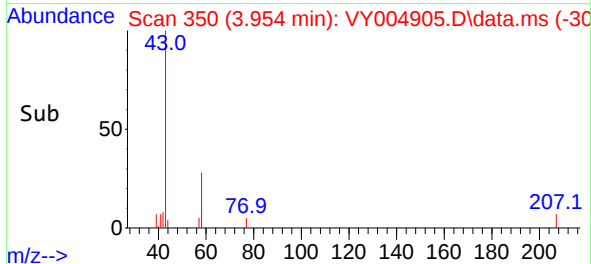
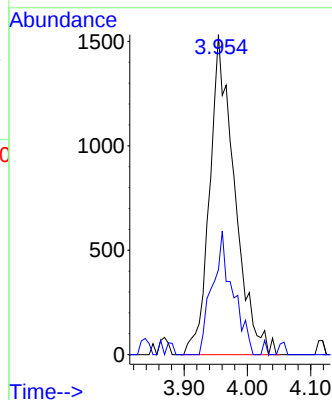
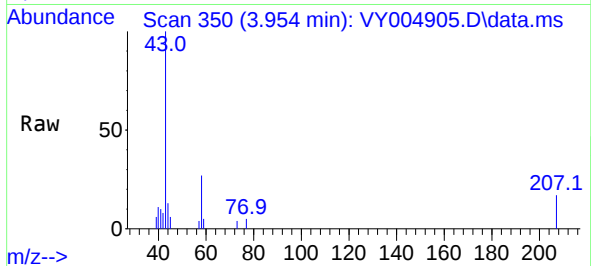




#16
Acetone
Concen: 5.17 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

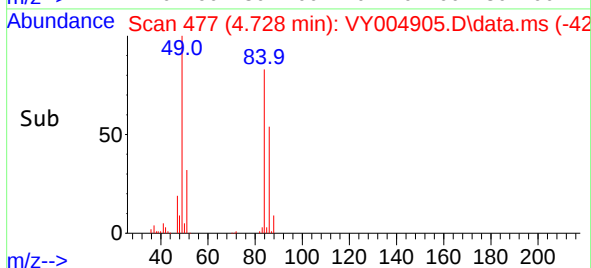
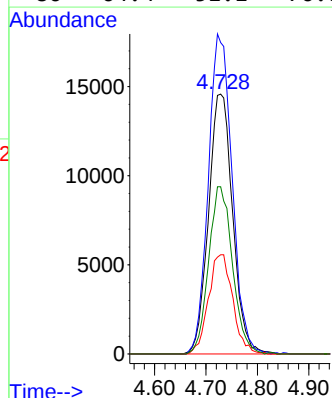
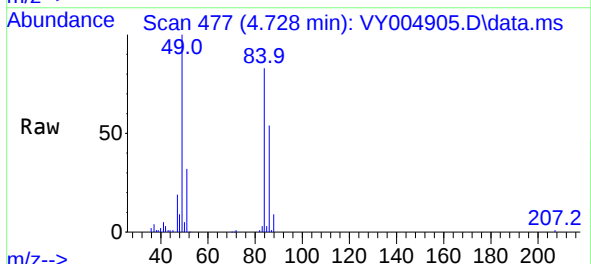
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

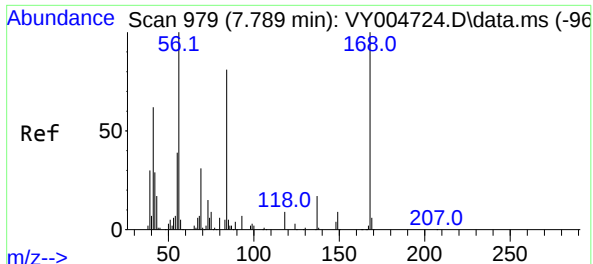
Tgt Ion: 43 Resp: 4186
Ion Ratio Lower Upper
43 100
58 26.6 23.6 35.4



#20
Methylene Chloride
Concen: 5.00 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 84 Resp: 47562
Ion Ratio Lower Upper
84 100
49 119.8 113.8 170.8
51 38.2 33.5 50.3
86 64.4 51.1 76.7

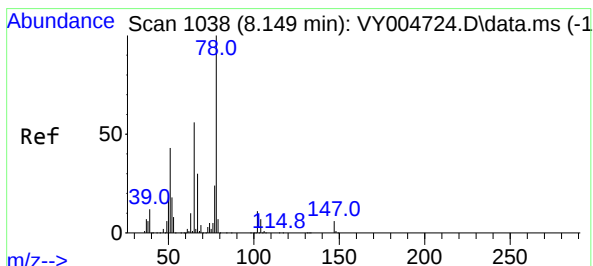
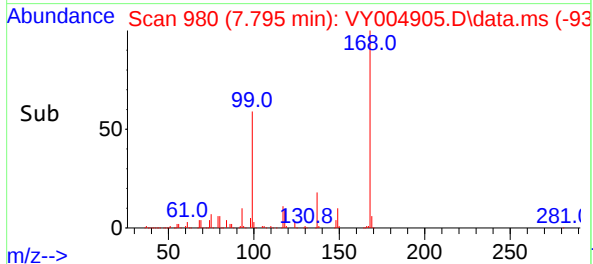
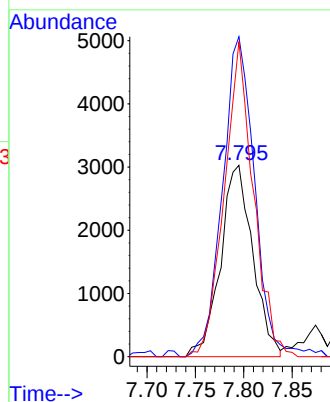
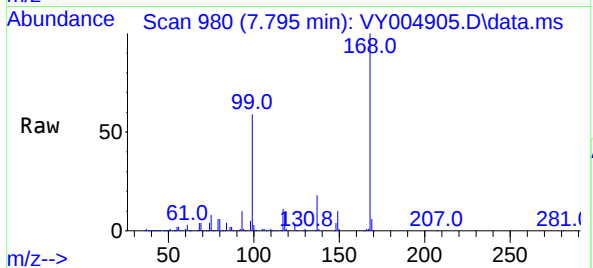




#31
Cyclohexane
Concen: 1.20 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

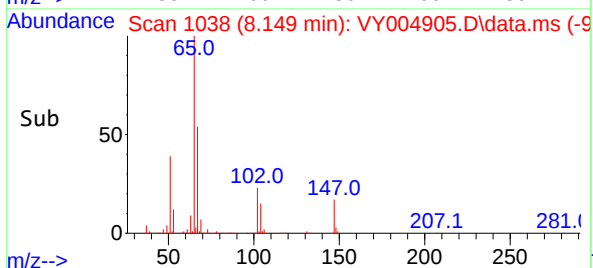
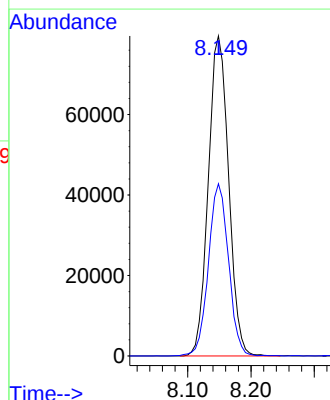
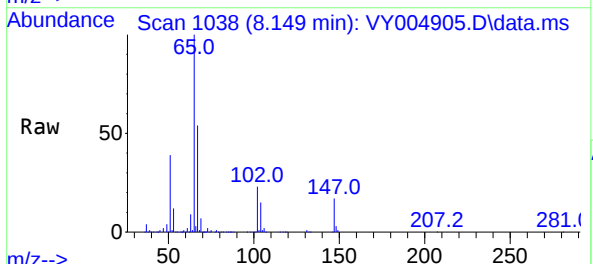
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

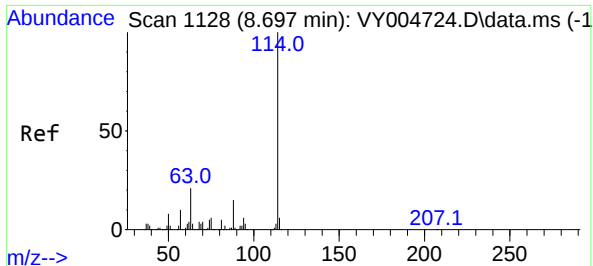
Tgt Ion: 56 Resp: 7028
Ion Ratio Lower Upper
56 100
69 167.2 24.4 36.6#
84 164.6 64.8 97.2#



#33
1,2-Dichloroethane-d4
Concen: 49.23 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 65 Resp: 177376
Ion Ratio Lower Upper
65 100
67 53.2 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: VY004905.D

Acq: 27 May 2021 17:10

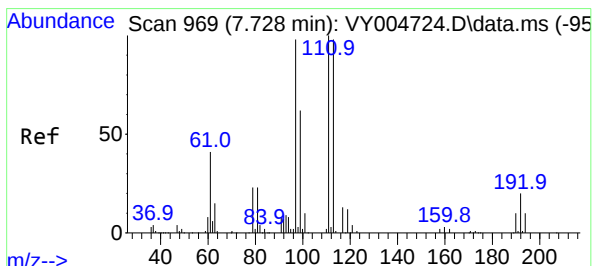
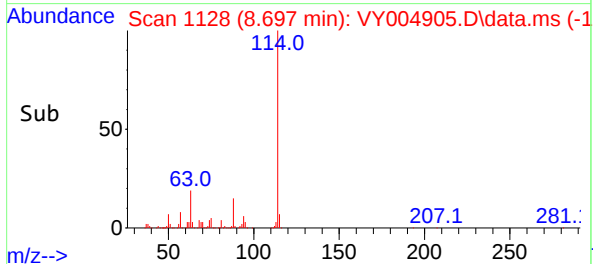
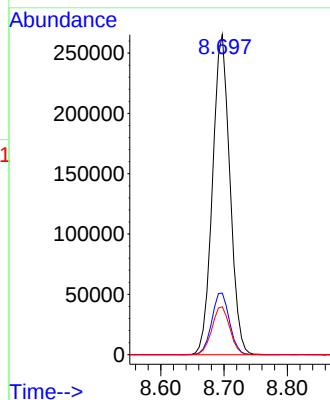
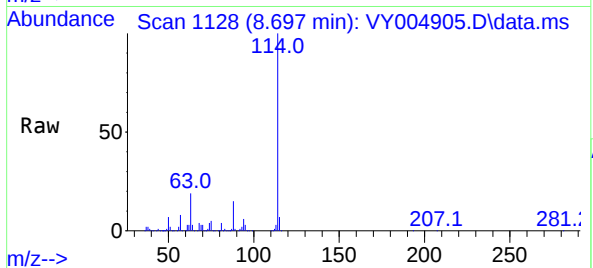
Tgt Ion:114 Resp: 504072

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.8

88 15.0 0.0 31.0



#35

Dibromofluoromethane

Concen: 57.35 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY004905.D

Acq: 27 May 2021 17:10

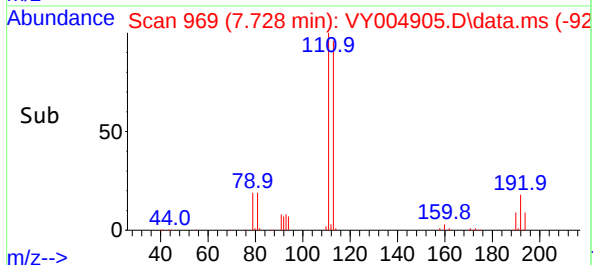
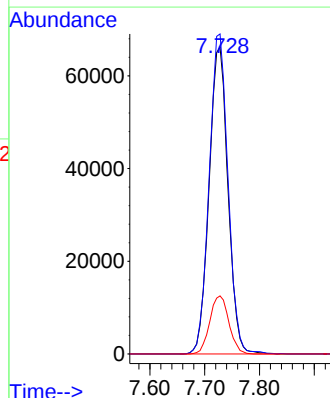
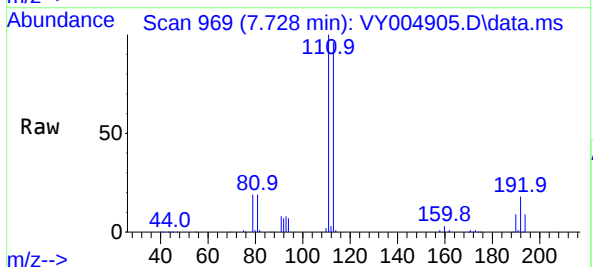
Tgt Ion:113 Resp: 158268

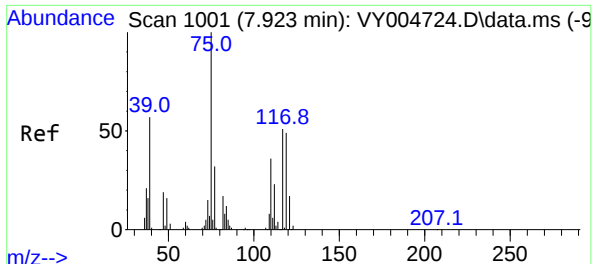
Ion Ratio Lower Upper

113 100

111 104.1 80.5 120.7

192 19.1 15.0 22.6

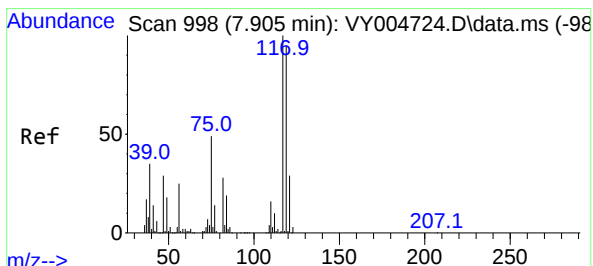
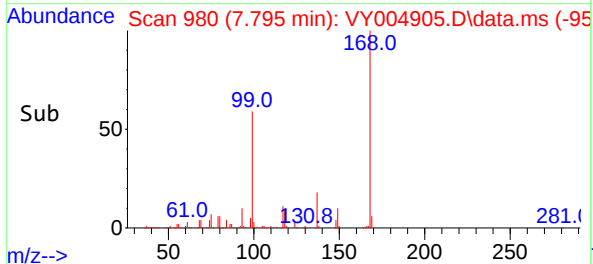
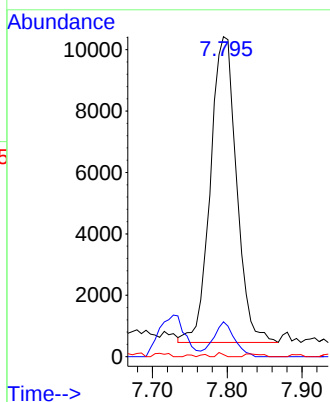
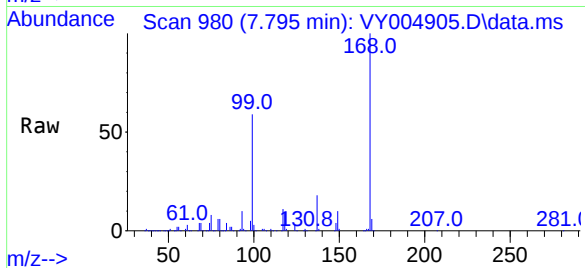




#36
1,1-Dichloropropene
Concen: 4.70 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

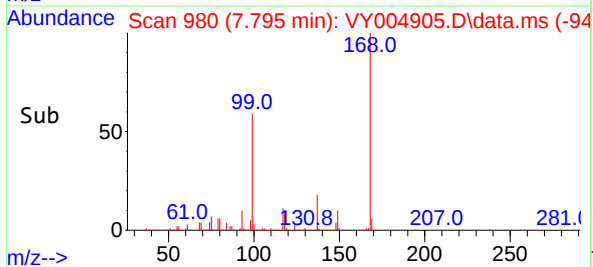
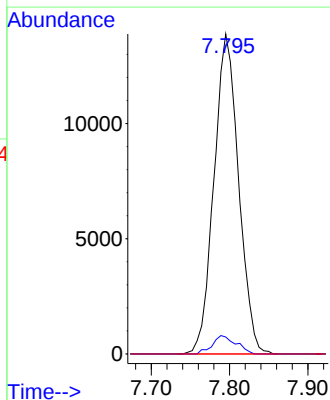
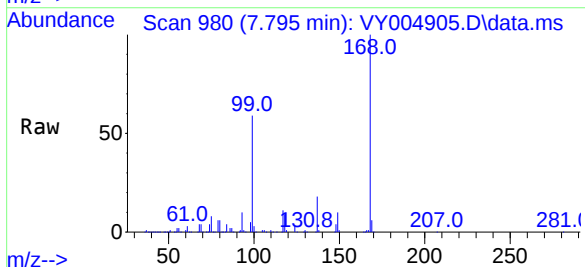
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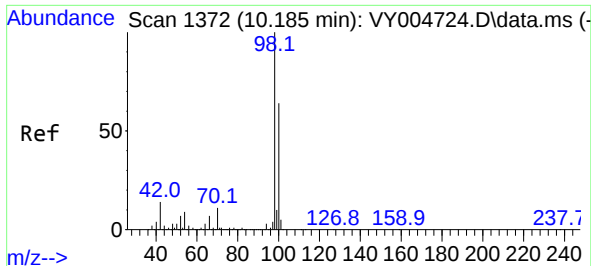
Tgt Ion:	75	Resp:	24273
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.0	50.9#
77	0.3	25.0	37.4#



#38
Carbon Tetrachloride
Concen: 6.54 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion:	117	Resp:	30377
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.3	114.5#
121	0.0	23.0	34.6#

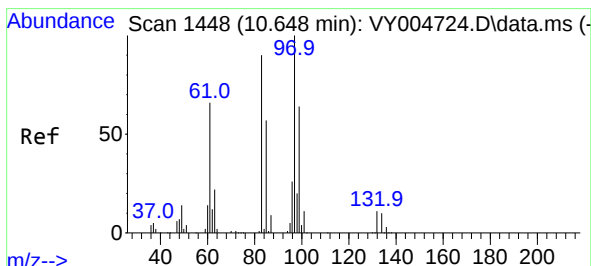
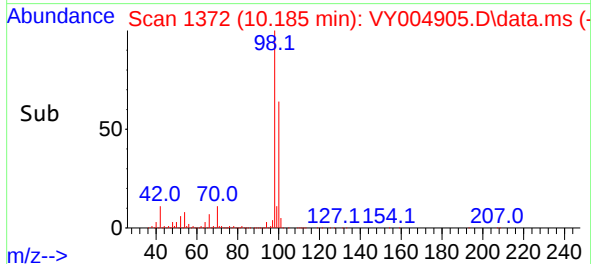
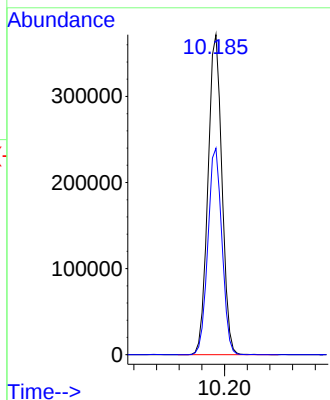
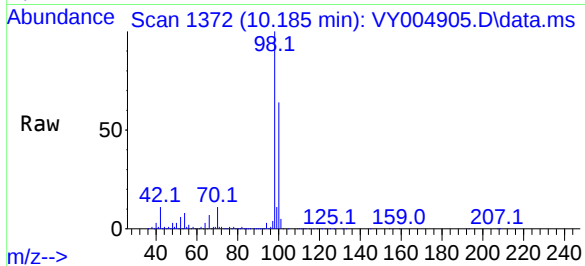




#50
Toluene-d8
Concen: 50.97 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

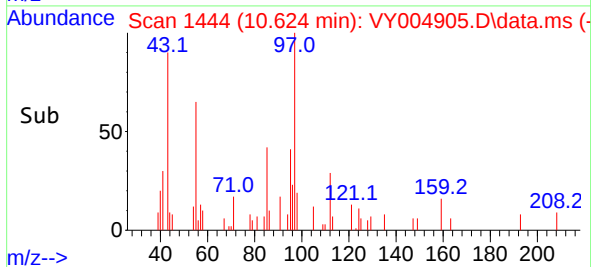
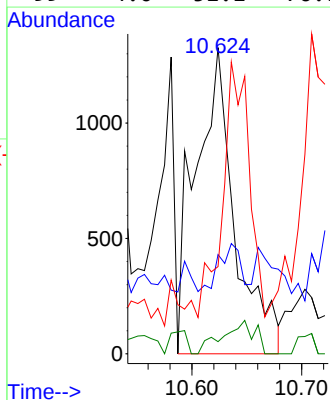
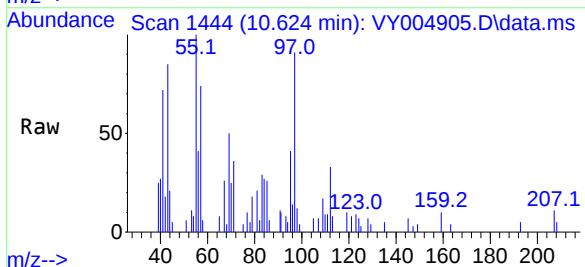
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

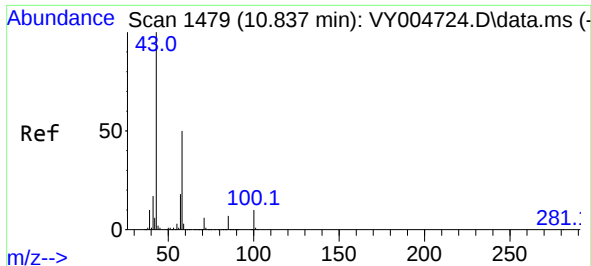
Tgt Ion: 98 Resp: 635414
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#55
1,1,2-Trichloroethane
Concen: 1.13 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 97 Resp: 3301
Ion Ratio Lower Upper
97 100
83 12.2 71.9 107.9#
85 12.4 45.8 68.6#
99 4.0 51.1 76.7#

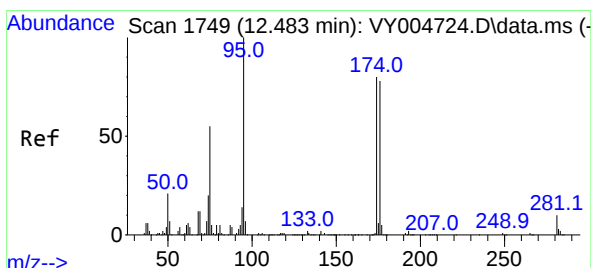
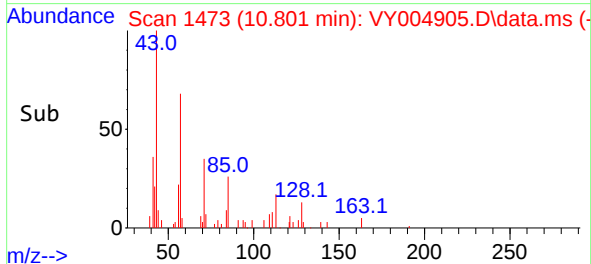
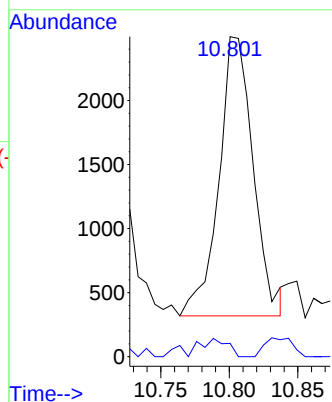
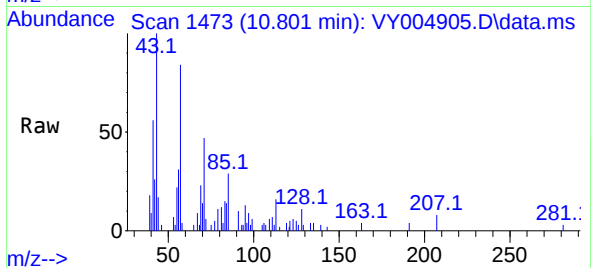




#59
2-Hexanone
Concen: 1.59 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

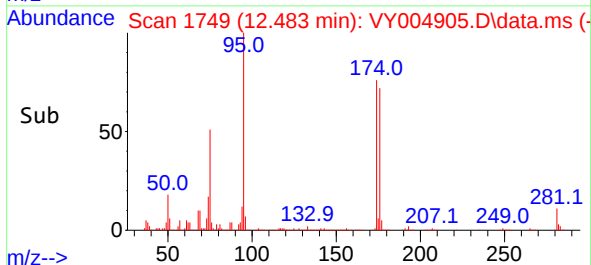
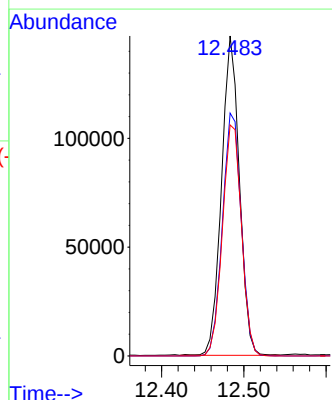
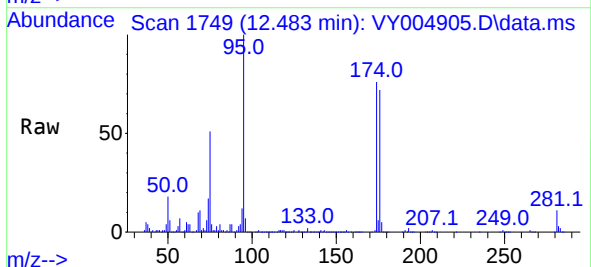
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

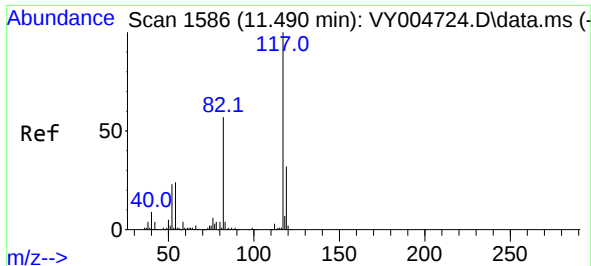
Tgt Ion: 43 Resp: 3798
Ion Ratio Lower Upper
43 100
58 5.2 24.9 74.8#



#62
4-Bromofluorobenzene
Concen: 52.59 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 95 Resp: 221276
Ion Ratio Lower Upper
95 100
174 80.0 0.0 164.2
176 77.0 0.0 159.0

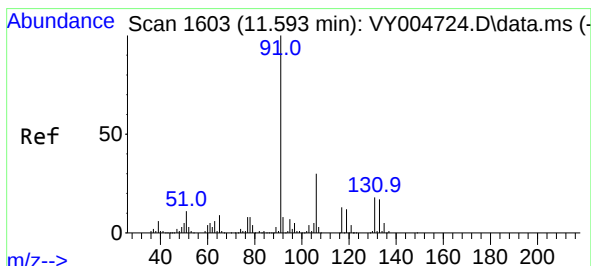
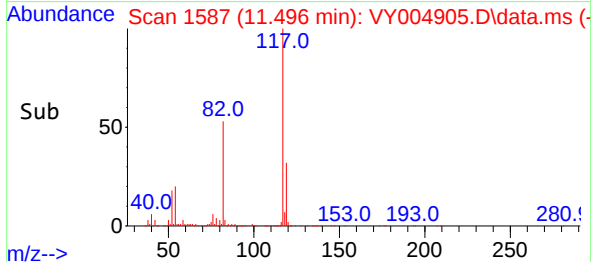
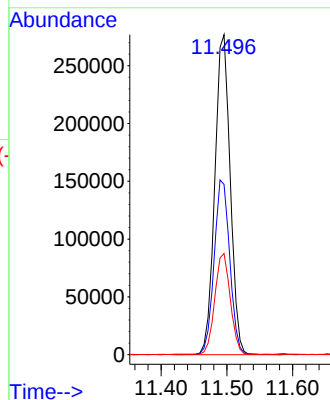
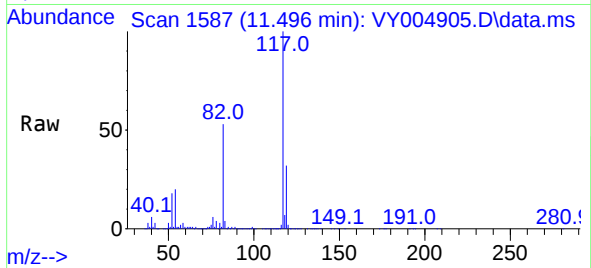




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

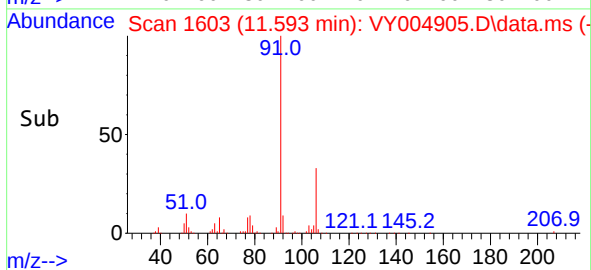
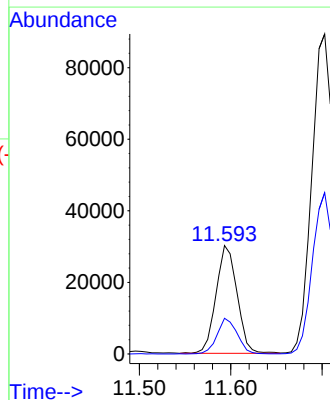
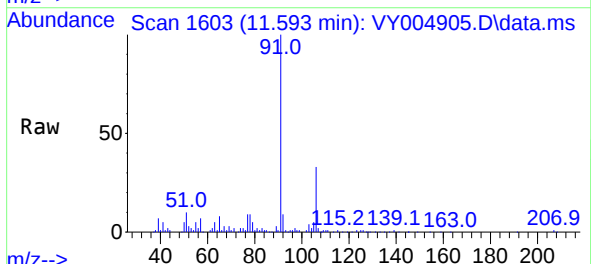
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

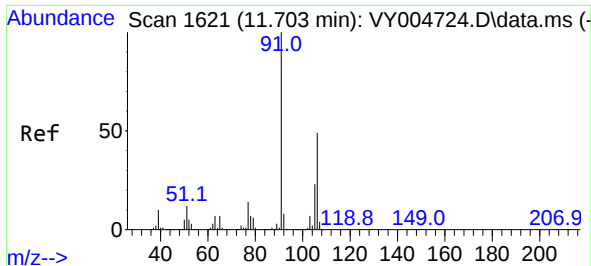
Tgt Ion:117 Resp: 450590
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.2
119 31.6 25.8 38.6



#67
Ethyl Benzene
Concen: 2.80 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 91 Resp: 48226
Ion Ratio Lower Upper
91 100
106 32.9 24.0 36.0

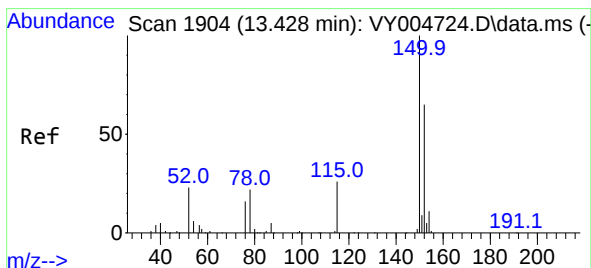
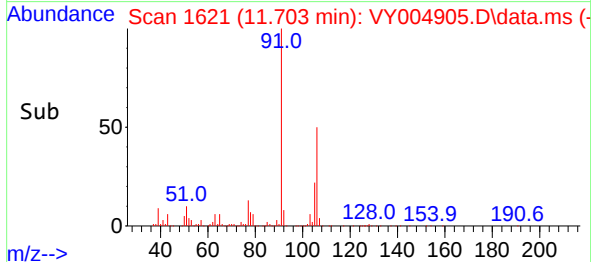
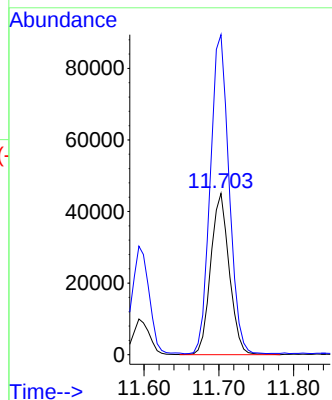
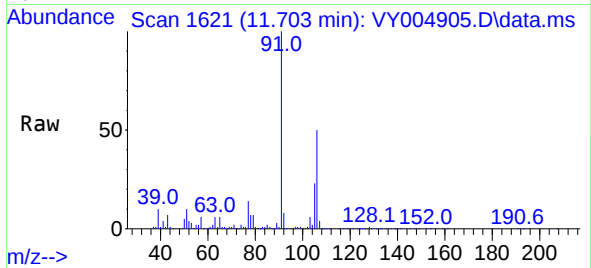




#68
m/p-Xylenes
Concen: 11.99 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

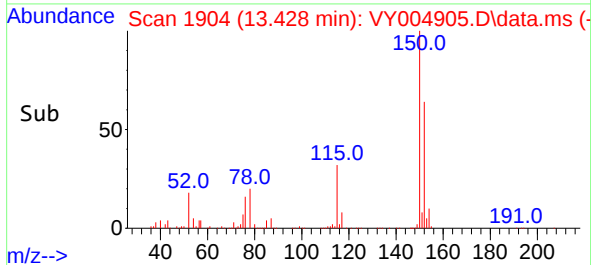
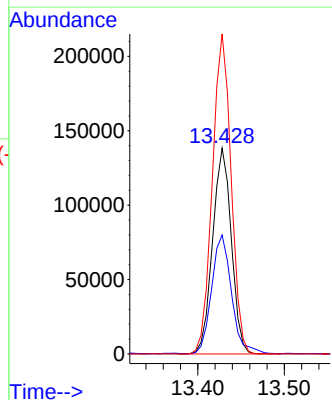
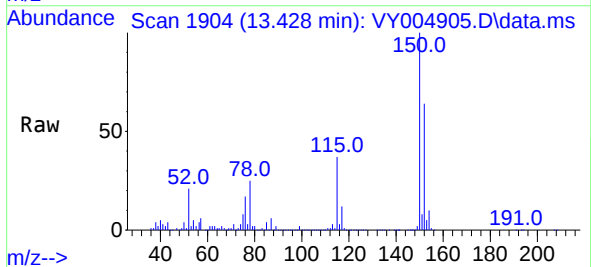
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

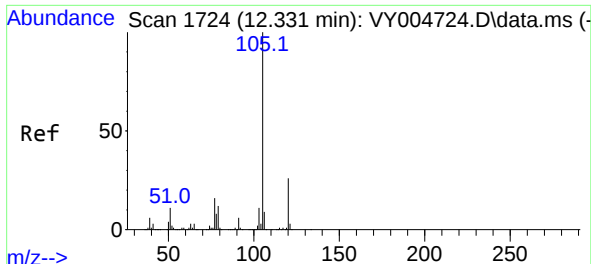
Tgt Ion:106 Resp: 77632
Ion Ratio Lower Upper
106 100
91 200.4 163.6 245.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion:152 Resp: 207421
Ion Ratio Lower Upper
152 100
115 61.4 29.4 88.3
150 155.6 0.0 349.8

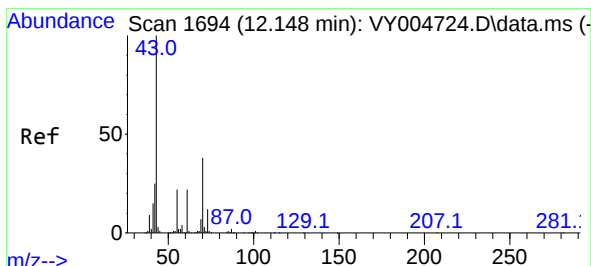
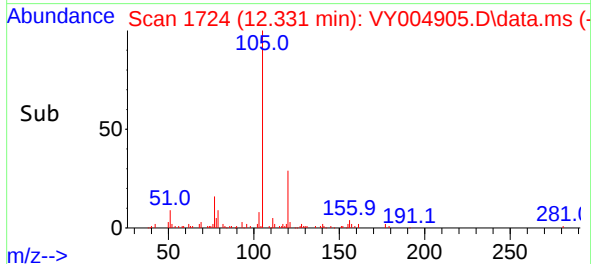
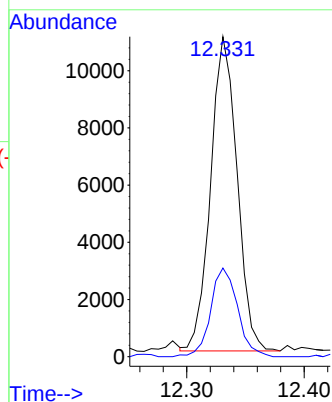
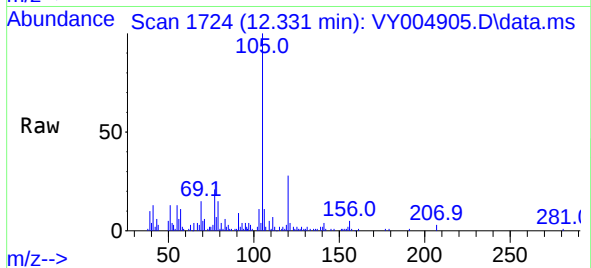




#73
Isopropylbenzene
Concen: 1.10 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

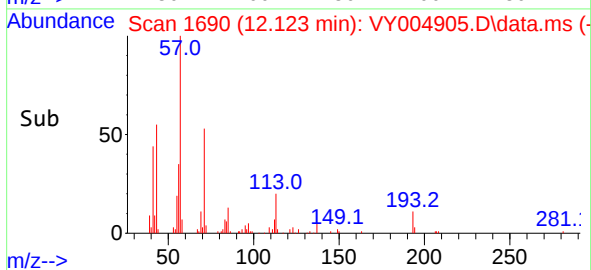
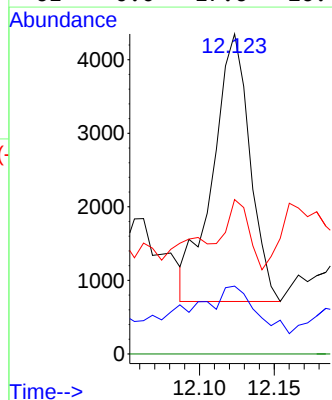
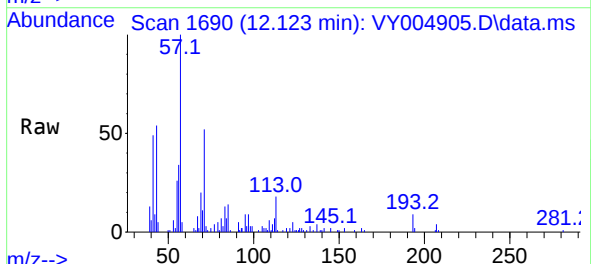
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

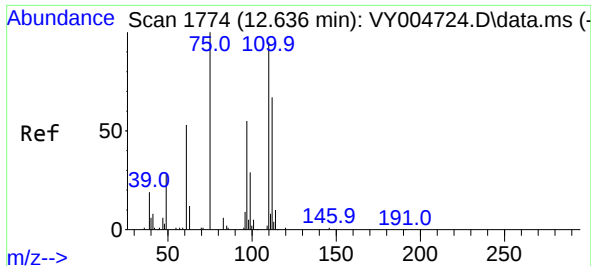
Tgt Ion:105 Resp: 17212
Ion Ratio Lower Upper
105 100
120 28.7 13.1 39.1



#74
N-ethyl acetate
Concen: 1.13 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 43 Resp: 6265
Ion Ratio Lower Upper
43 100
70 30.8 30.2 45.2
55 17.5 17.8 26.8#
61 0.0 17.6 26.4#

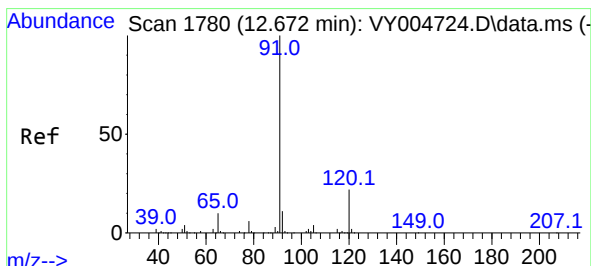
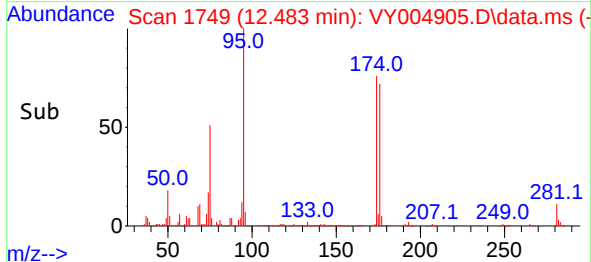
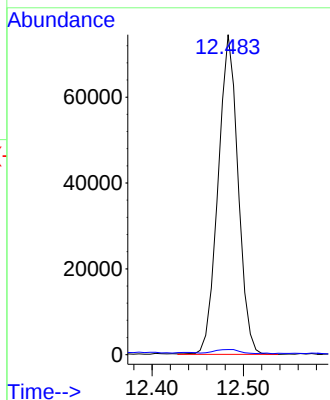
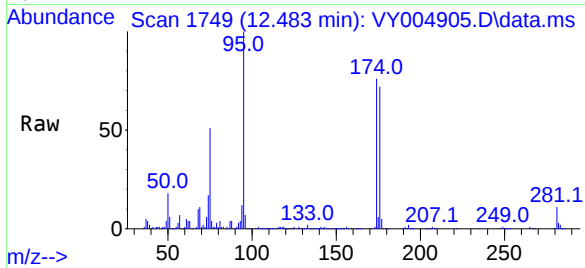




#76
1,2,3-Trichloropropane
Concen: 51.36 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

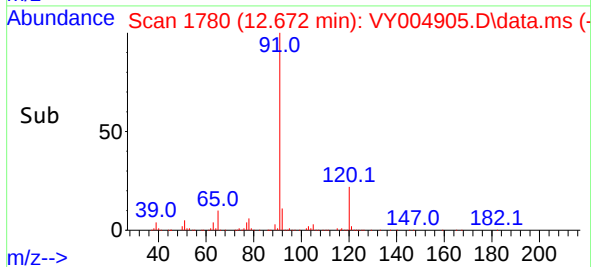
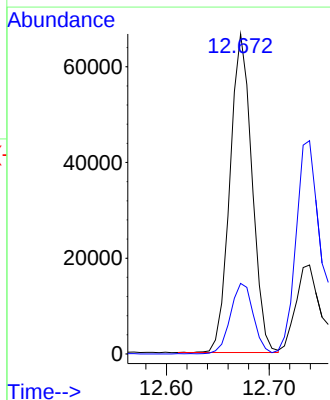
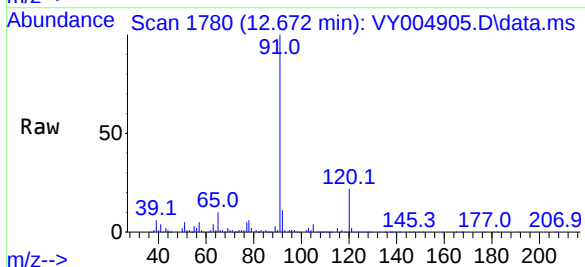
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

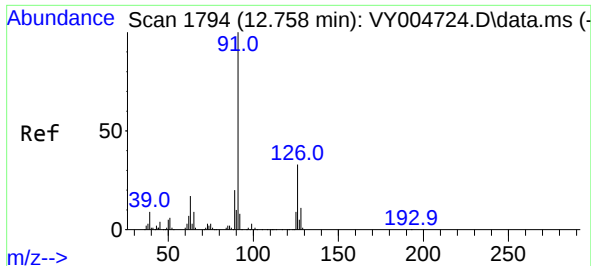
Tgt Ion: 75 Resp: 113149
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#78
n-propylbenzene
Concen: 5.20 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 91 Resp: 99300
Ion Ratio Lower Upper
91 100
120 23.1 11.1 33.3

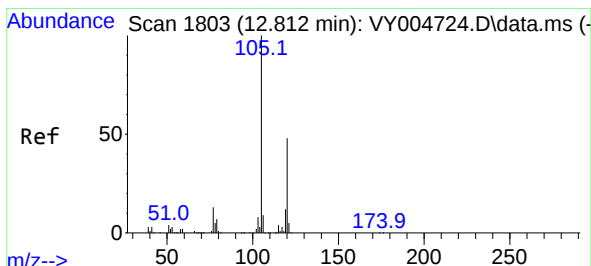
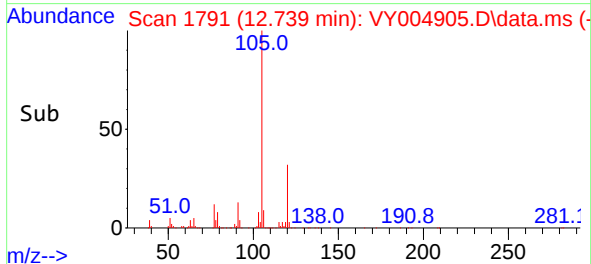
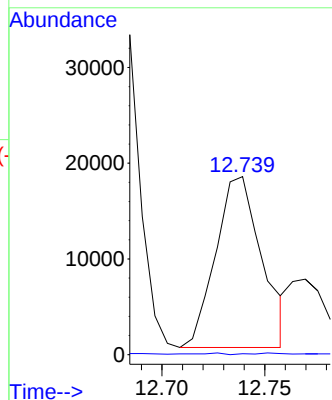
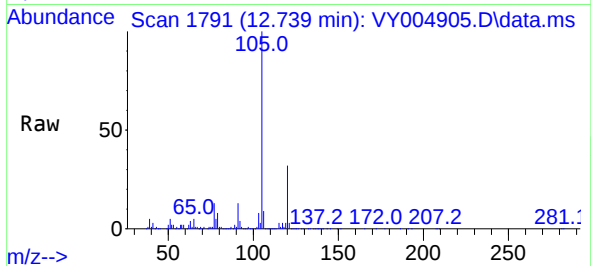




#79
2-Chlorotoluene
Concen: 2.66 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.018 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

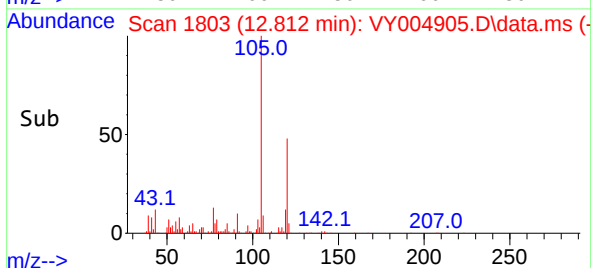
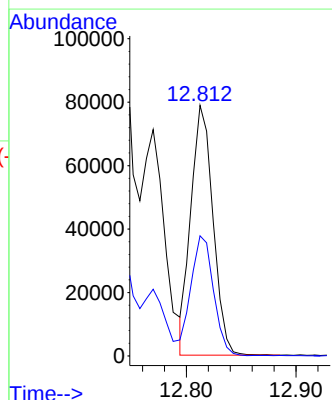
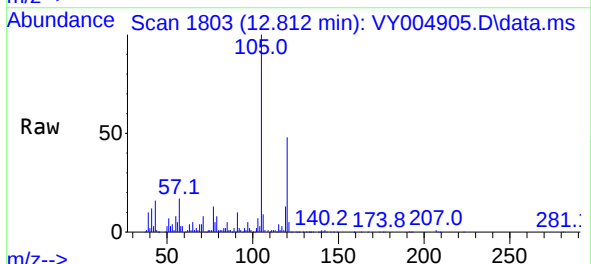
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

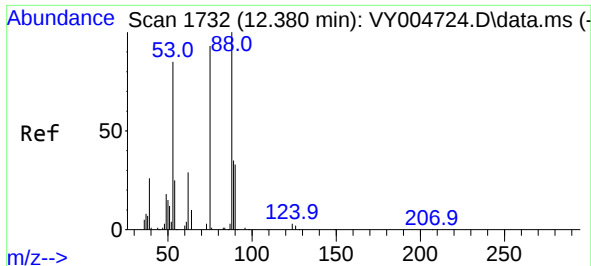
Tgt Ion: 91 Resp: 27898
Ion Ratio Lower Upper
91 100
126 0.9 16.8 50.3#



#80
1,3,5-Trimethylbenzene
Concen: 8.48 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 105 Resp: 110247
Ion Ratio Lower Upper
105 100
120 50.3 24.0 72.0

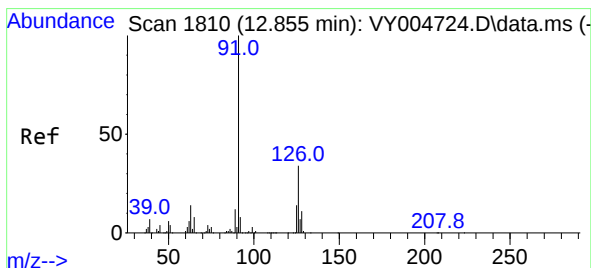
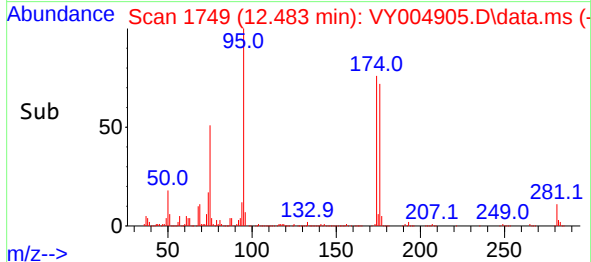
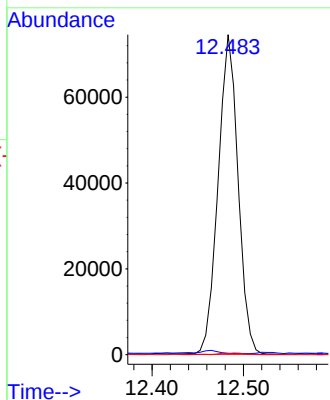
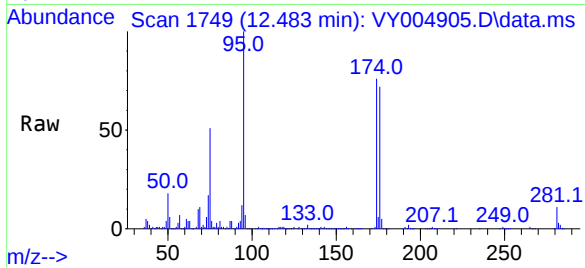




#81
trans-1,4-Dichloro-2-butene
Concen: 89.05 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

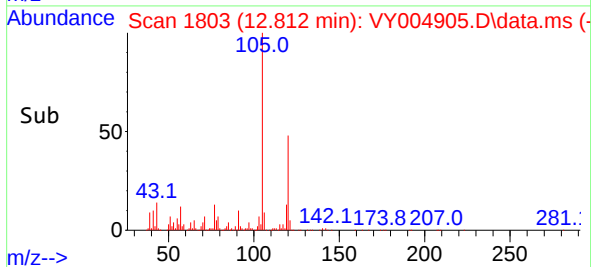
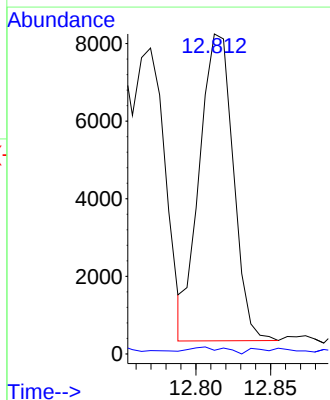
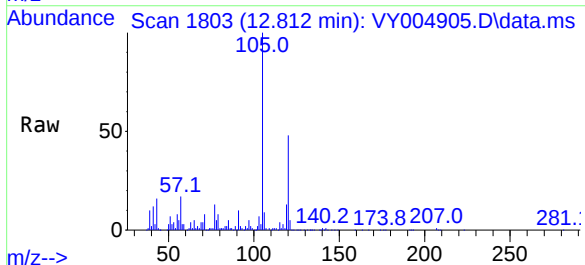
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

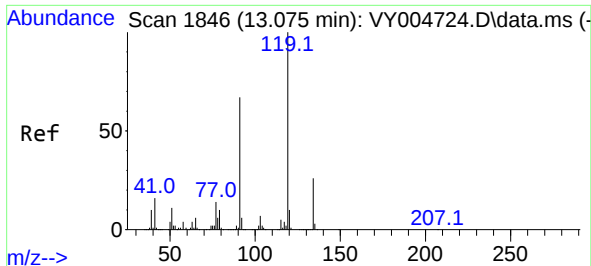
Tgt Ion: 75 Resp: 113149
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.6 35.5 53.3#



#82
4-Chlorotoluene
Concen: 1.14 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 91 Resp: 12429
Ion Ratio Lower Upper
91 100
126 2.4 16.8 50.3#

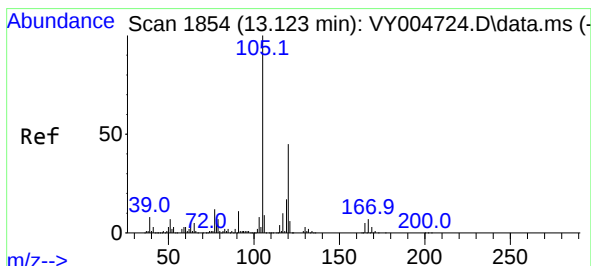
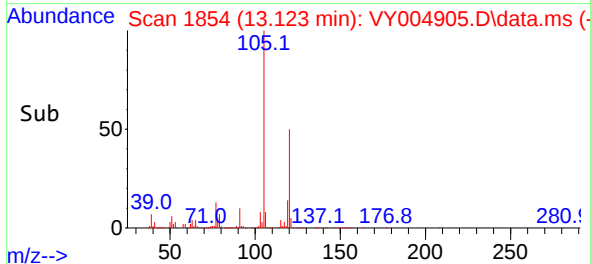
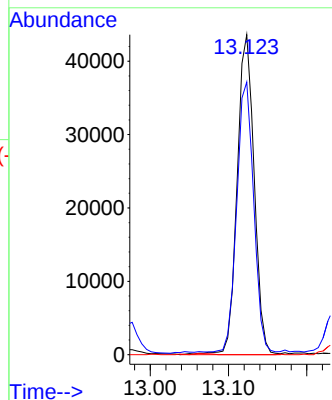
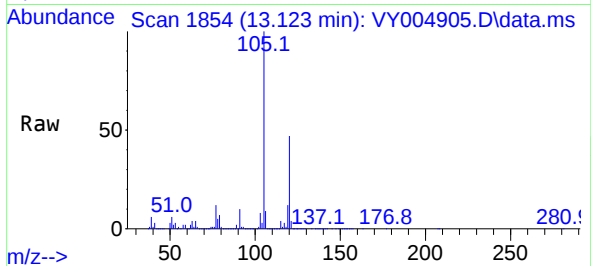




#83
tert-Butylbenzene
Concen: 5.91 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

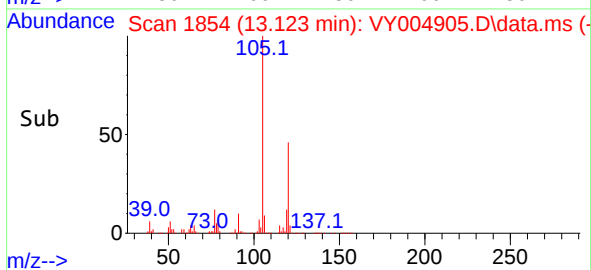
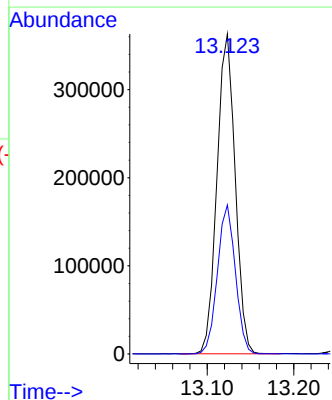
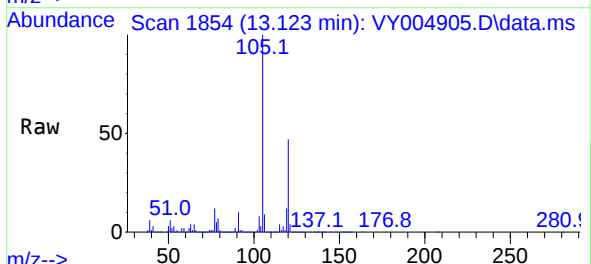
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

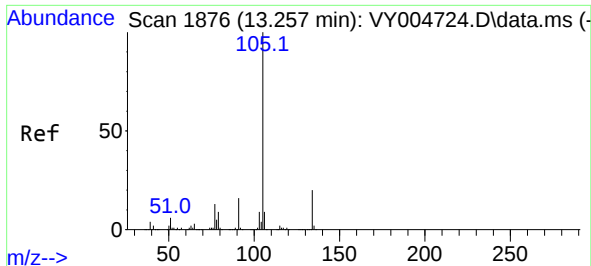
Tgt Ion:119 Resp: 65599
Ion Ratio Lower Upper
119 100
91 84.0 32.3 96.8
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 40.78 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion:105 Resp: 530409
Ion Ratio Lower Upper
105 100
120 45.9 22.5 67.5

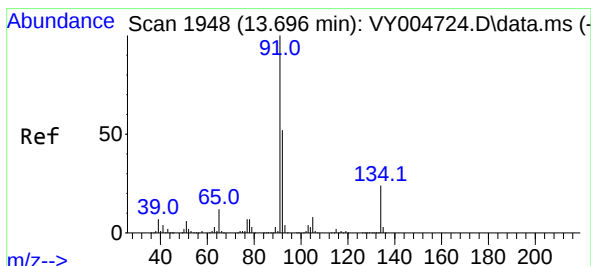
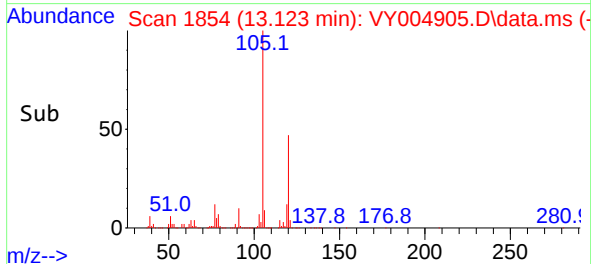
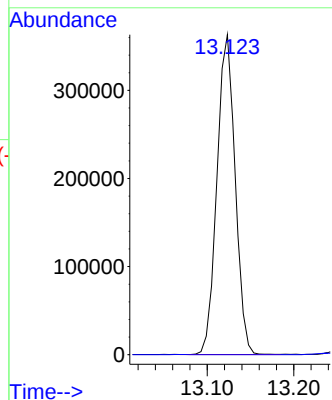
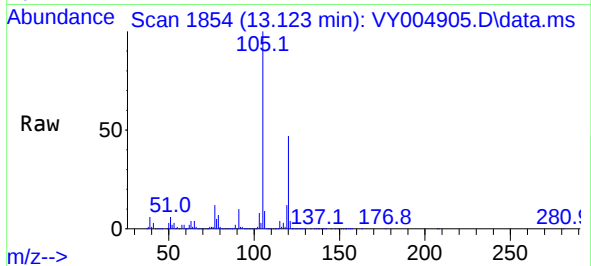




#85
sec-Butylbenzene
Concen: 32.88 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

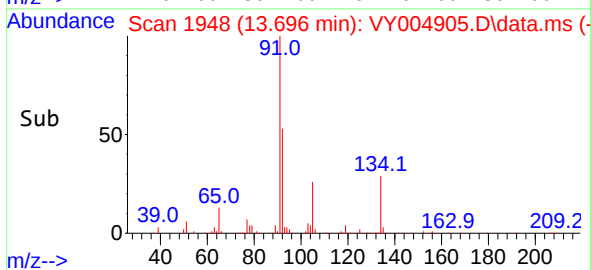
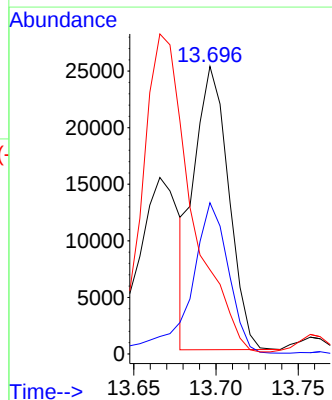
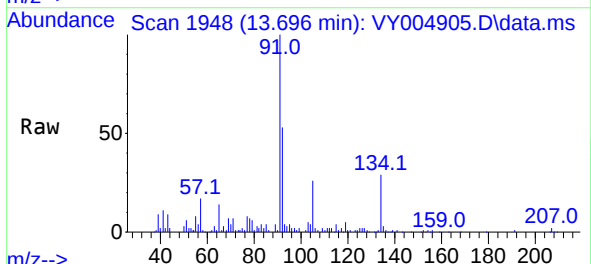
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

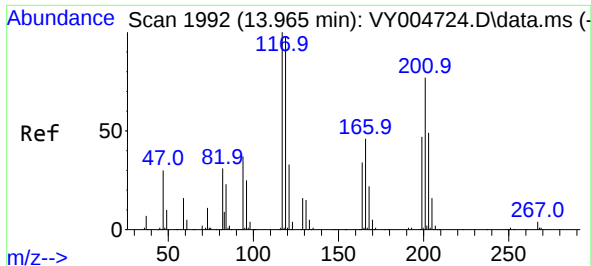
Tgt Ion:105 Resp: 530409
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#



#89
n-Butylbenzene
Concen: 2.66 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 91 Resp: 36410
Ion Ratio Lower Upper
91 100
92 57.8 26.4 79.0
134 0.0 12.6 37.6#

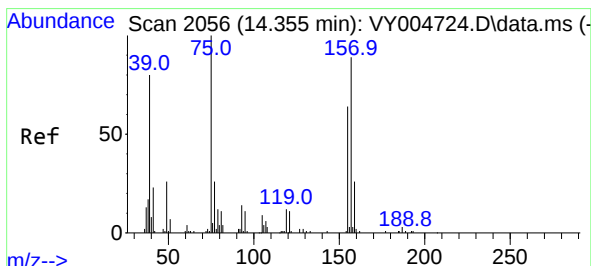
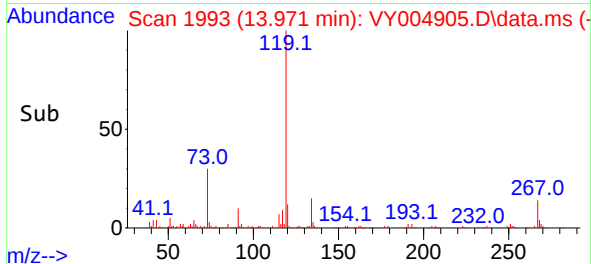
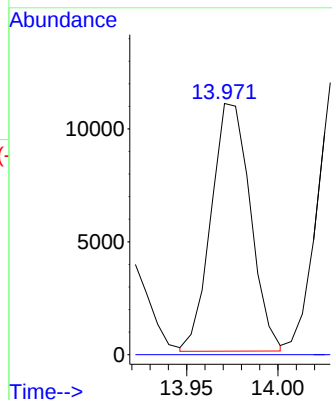
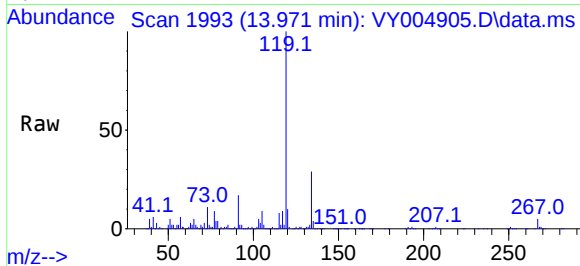




#90
Hexachloroethane
Concen: 8.33 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

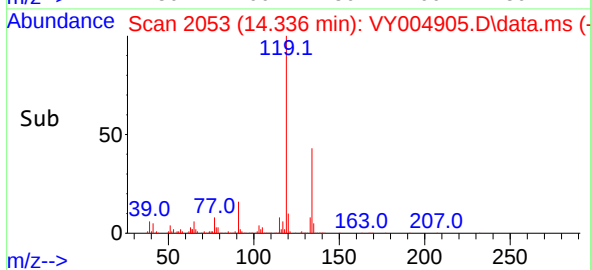
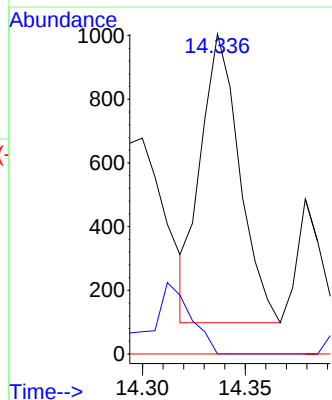
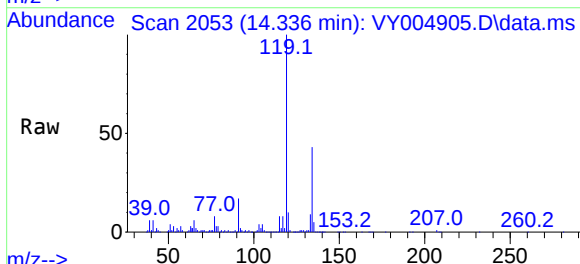
Instrument :
MSVOA_Y
ClientSampled :
VIBLK

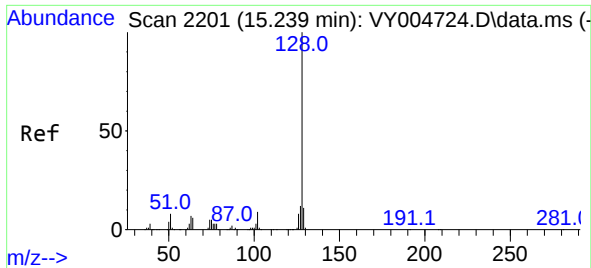
Tgt Ion:117 Resp: 16397
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.04 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Tgt Ion: 75 Resp: 1192
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 0.0 50.2 150.7#





#95
Naphthalene
Concen: 26.29 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004905.D
Acq: 27 May 2021 17:10

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 224046
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.3 8.6 13.0

