

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005884.D
 Acq On : 27 Aug 2021 15:28
 Operator : SY/MD
 Sample : M3571-03
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:51:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

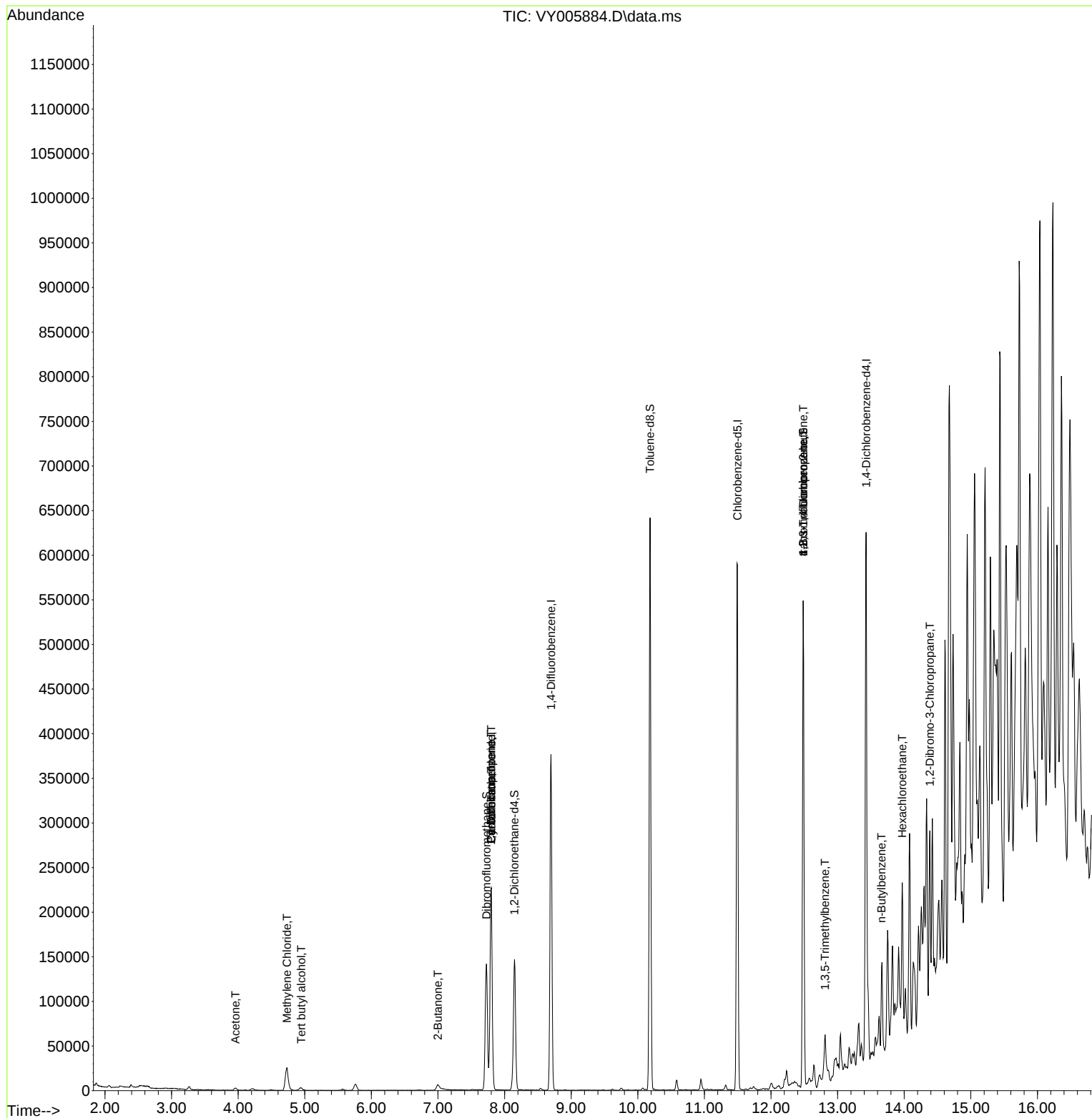
Internal Standards						
1) Pentafluorobenzene	7.801	168	186890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	319653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	326367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	115346	60.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.940%	
35) Dibromofluoromethane	7.728	113	98149	54.842	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.680%	
50) Toluene-d8	10.185	98	410328	54.669	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.340%	
62) 4-Bromofluorobenzene	12.483	95	142491	57.329	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	3125	16.710	ug/l #	73
16) Acetone	3.960	43	4301	9.017	ug/l	92
20) Methylene Chloride	4.735	84	18647	4.323	ug/l	93
25) 2-Butanone	6.996	43	876	1.242	ug/l #	48
31) Cyclohexane	7.801	56	3546	1.093	ug/l #	13
36) 1,1-Dichloropropene	7.795	75	13581	4.530	ug/l #	48
38) Carbon Tetrachloride	7.801	117	16758	5.143	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	76602	46.309	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	9715	1.051	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	76602	93.354	ug/l #	11
89) n-Butylbenzene	13.660	91	10333	1.110	ug/l #	1
90) Hexachloroethane	13.971	117	5674	3.072	ug/l #	3
92) 1,2-Dibromo-3-Chloropr...	14.385	75	553	1.361	ug/l #	23

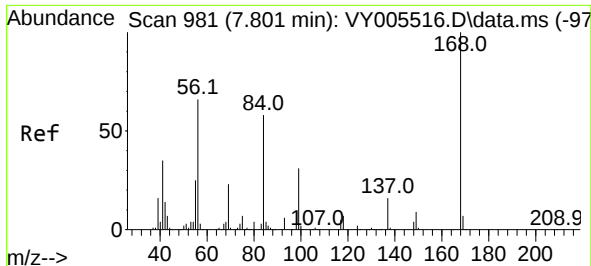
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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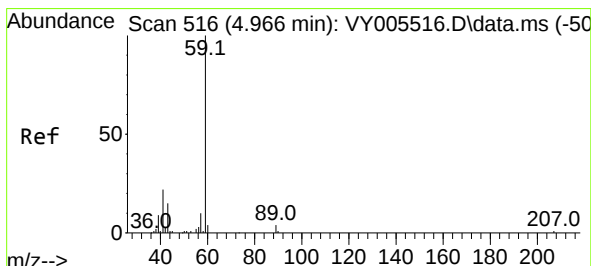
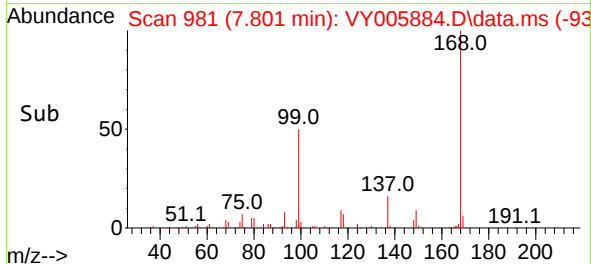
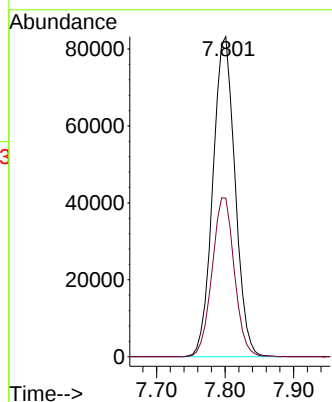
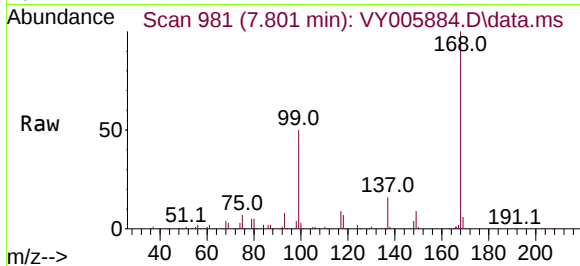




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

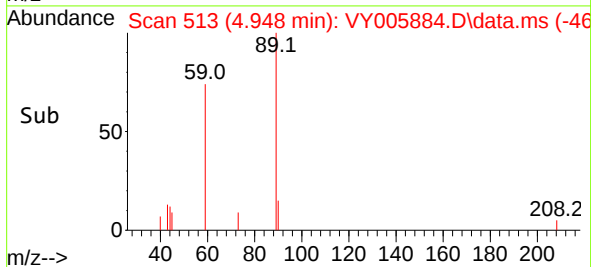
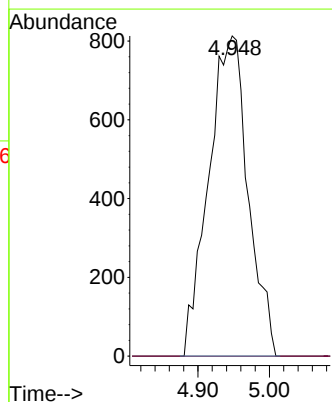
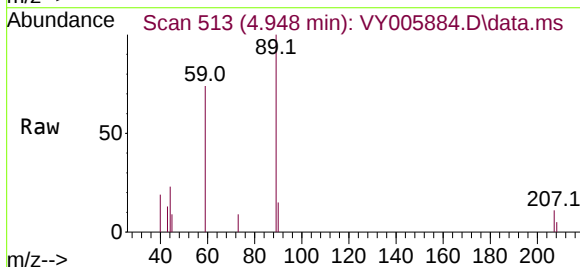
Instrument :
MSVOA_Y
ClientSampleId :

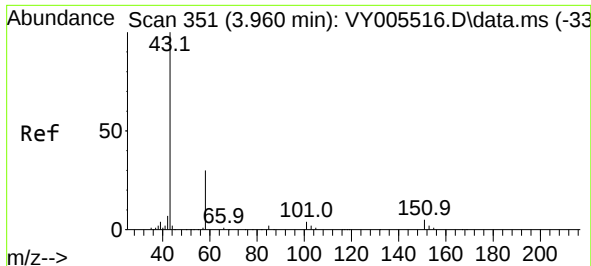
Tgt Ion:168 Resp: 186890
Ion Ratio Lower Upper
168 100
99 49.5 38.9 58.3



#11
Tert butyl alcohol
Concen: 16.710 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

Tgt Ion: 59 Resp: 3125
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

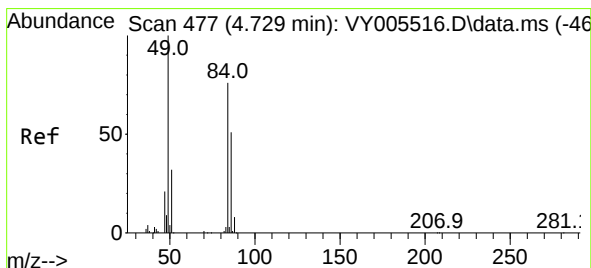
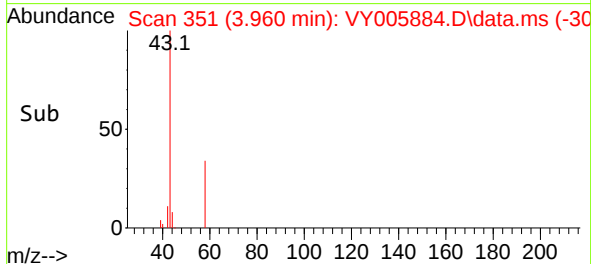
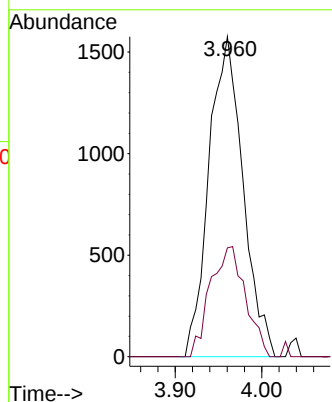
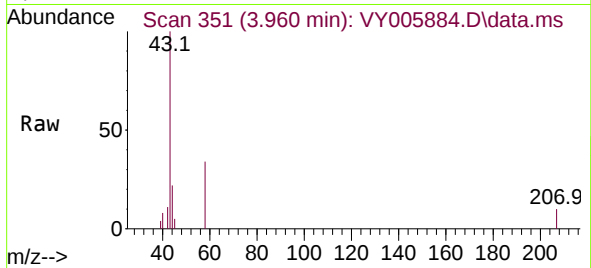




#16
Acetone
Concen: 9.017 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

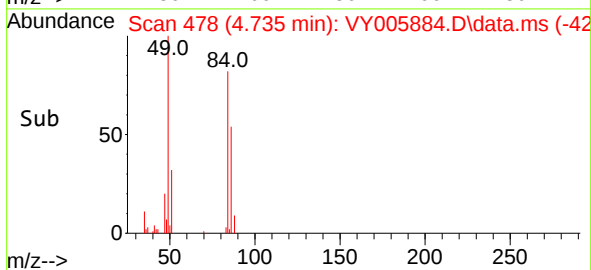
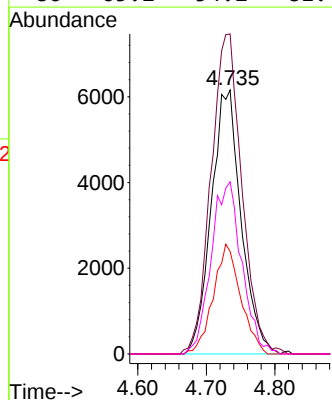
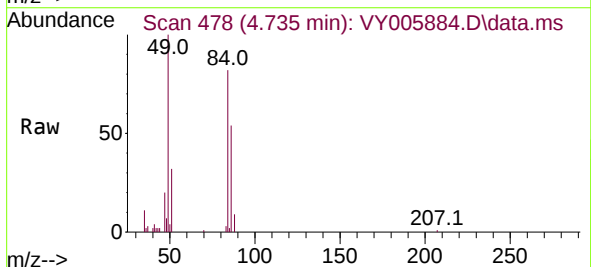
Instrument :
MSVOA_Y
ClientSampleId :

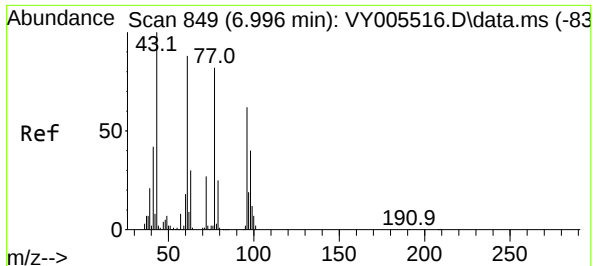
Tgt Ion: 43 Resp: 4301
Ion Ratio Lower Upper
43 100
58 34.0 23.8 35.6



#20
Methylene Chloride
Concen: 4.323 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

Tgt Ion: 84 Resp: 18647
Ion Ratio Lower Upper
84 100
49 121.3 105.8 158.6
51 38.8 33.4 50.2
86 65.2 54.2 81.4





#25

2-Butanone

Concen: 1.242 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY005884.D

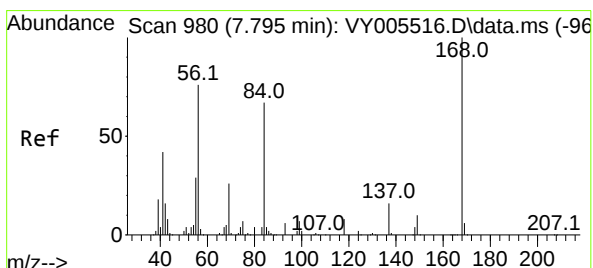
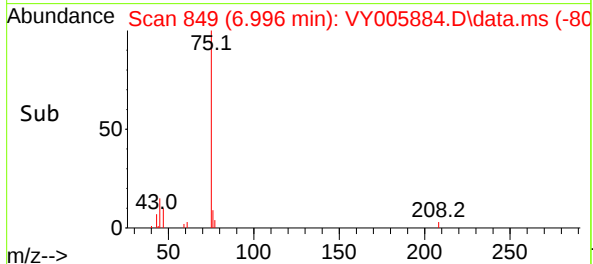
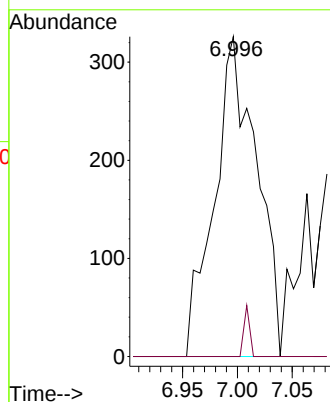
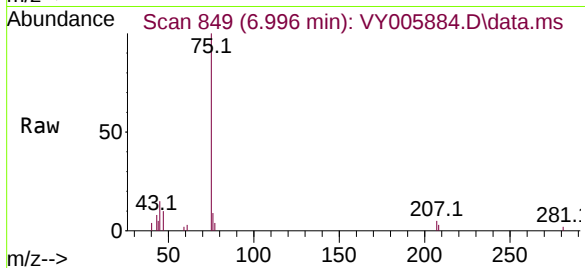
Acq: 27 Aug 2021 15:28

Tgt Ion: 43 Resp: 876

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY005884.D

Acq: 27 Aug 2021 15:28

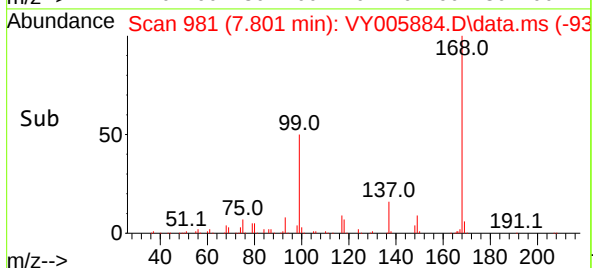
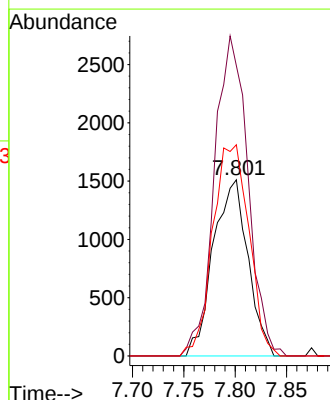
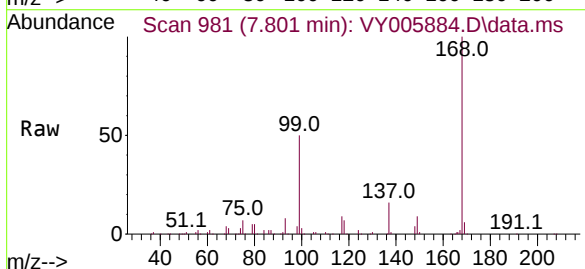
Tgt Ion: 56 Resp: 3546

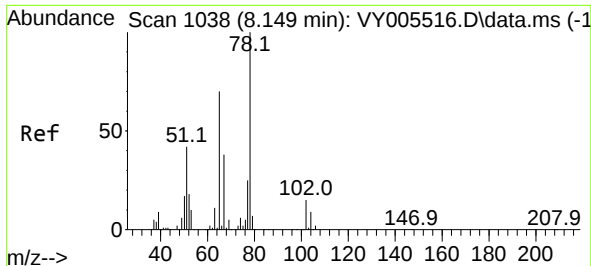
Ion Ratio Lower Upper

56 100

69 164.7 27.7 41.5#

84 119.8 70.9 106.3#

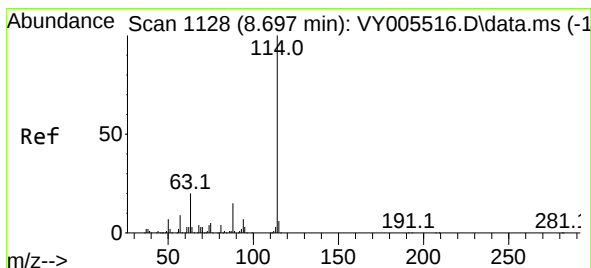
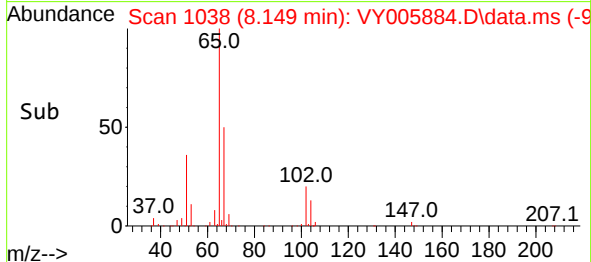
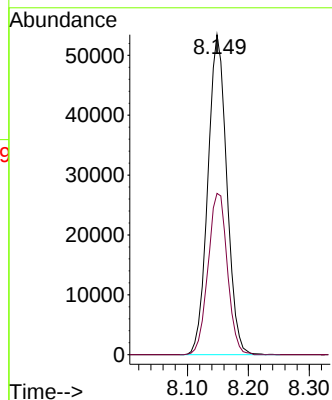
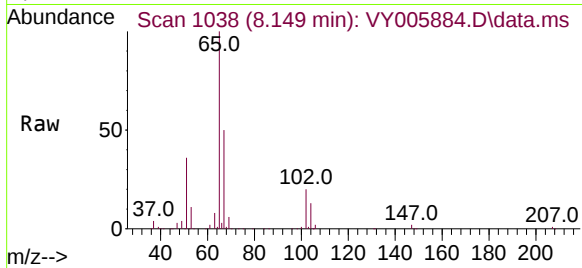




#33
1,2-Dichloroethane-d4
Concen: 60.972 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

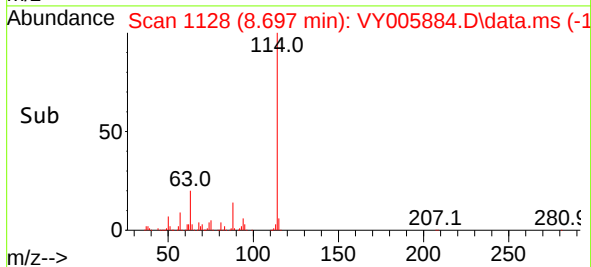
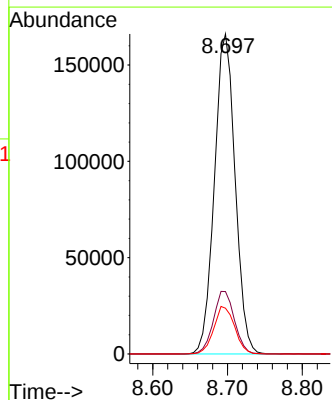
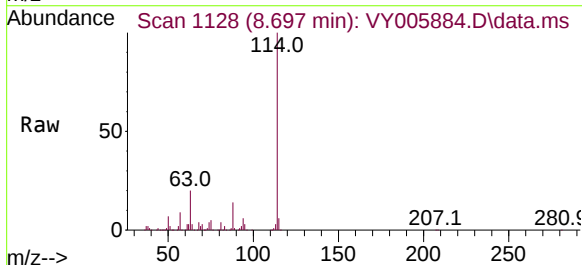
Instrument :
MSVOA_Y
ClientSampled :

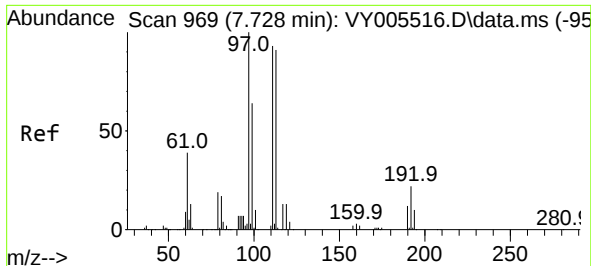
Tgt Ion: 65 Resp: 115346
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

Tgt Ion: 114 Resp: 319653
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.2
88 14.3 0.0 30.8

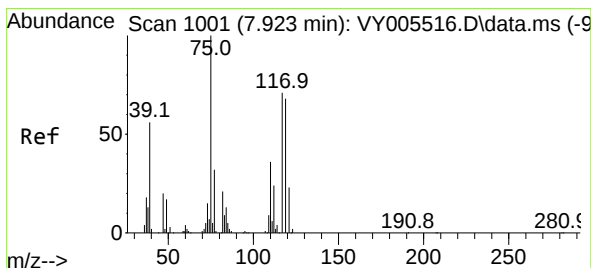
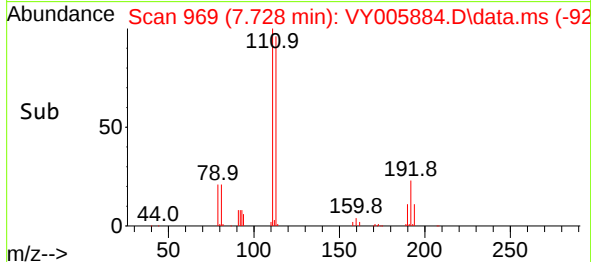
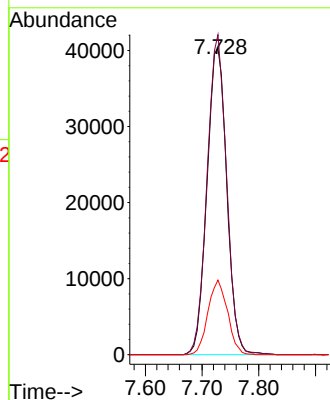
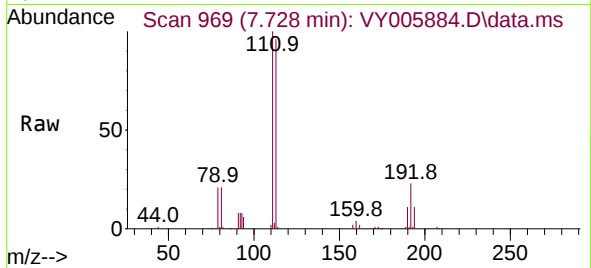




#35
Dibromofluoromethane
Concen: 54.842 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

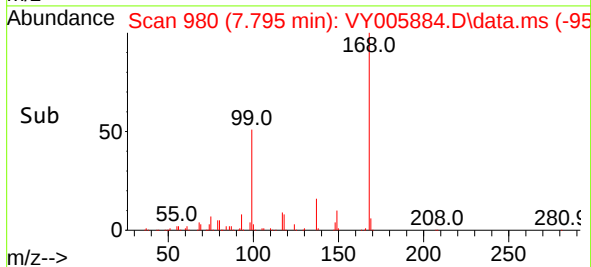
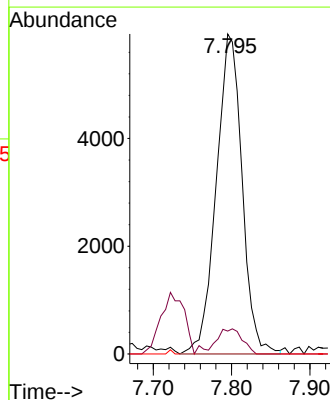
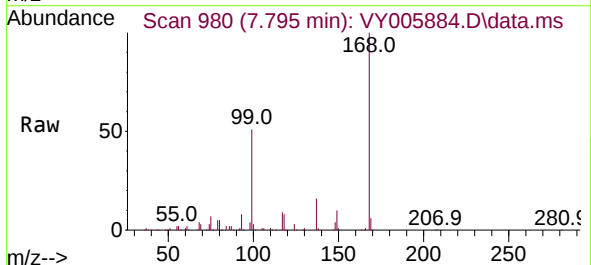
Instrument :
MSVOA_Y
ClientSampleId :

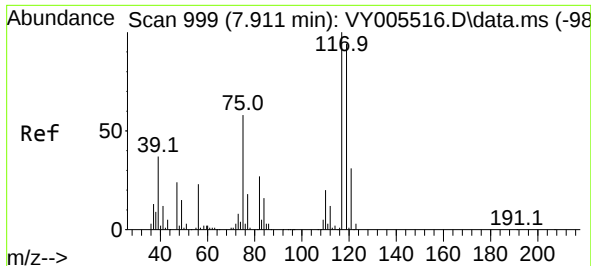
Tgt Ion:113 Resp: 98149
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 23.9 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

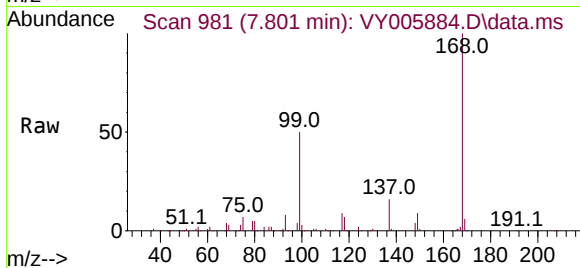
Tgt Ion: 75 Resp: 13581
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.1#
77 0.0 25.1 37.7#



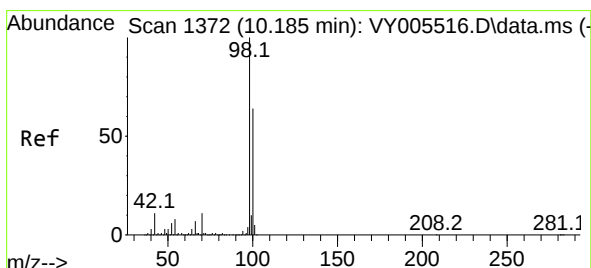
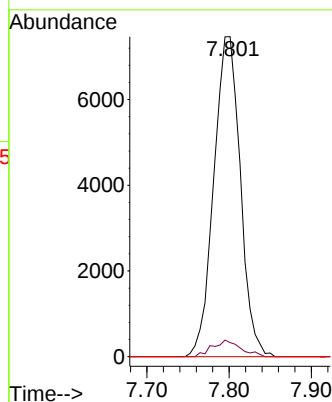
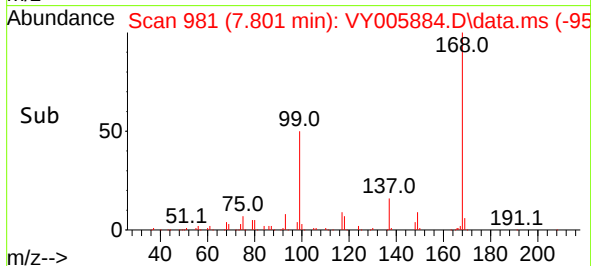


#38
Carbon Tetrachloride
Concen: 5.143 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

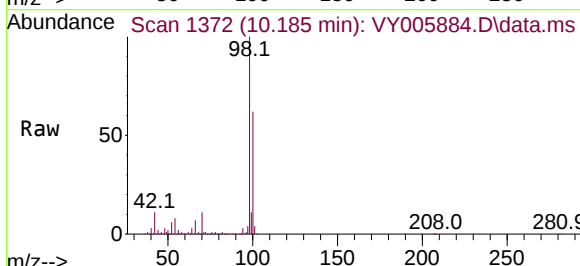
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MSVOA_Y
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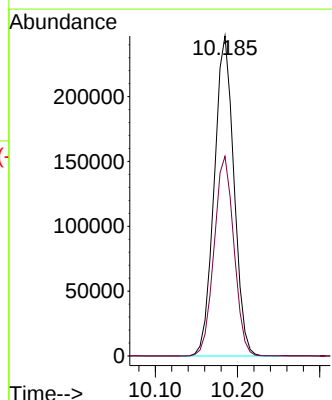
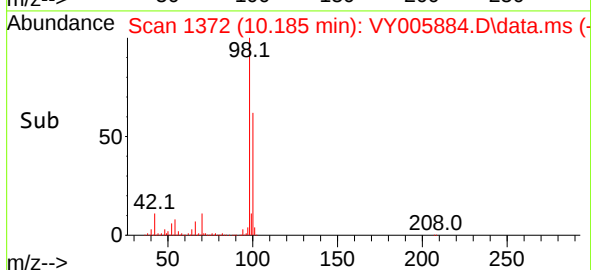
Tgt Ion:117 Resp: 16758
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.0#
121 0.0 25.1 37.7#

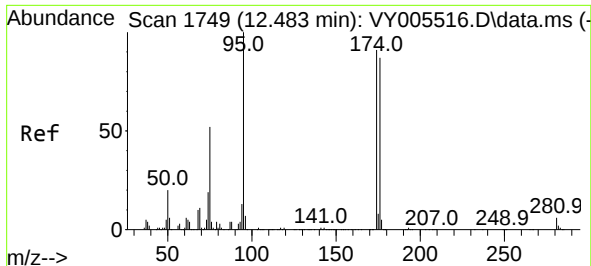


#50
Toluene-d8
Concen: 54.669 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28



Tgt Ion: 98 Resp: 410328
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9

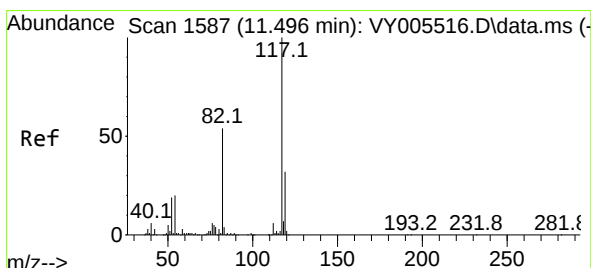
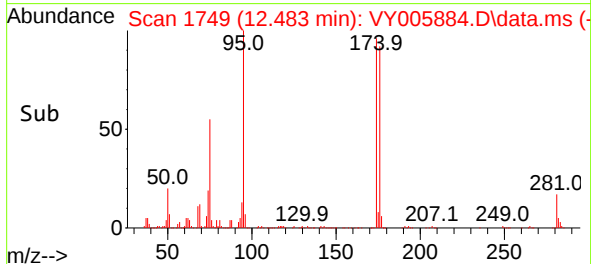
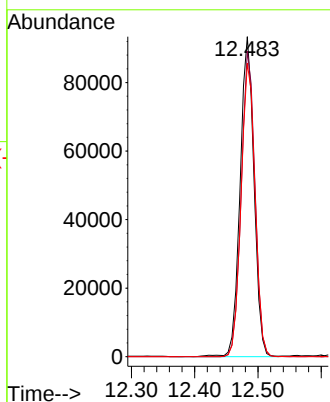
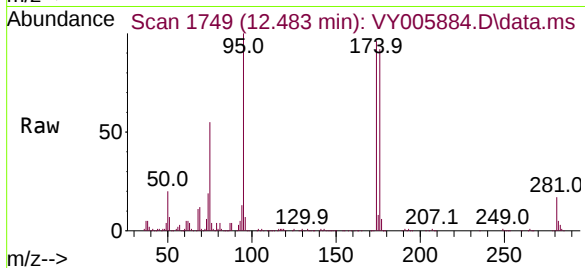




#62
4-Bromofluorobenzene
Concen: 57.329 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

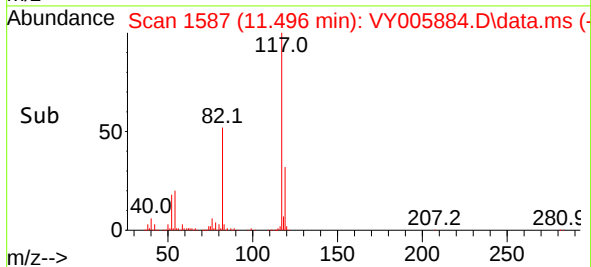
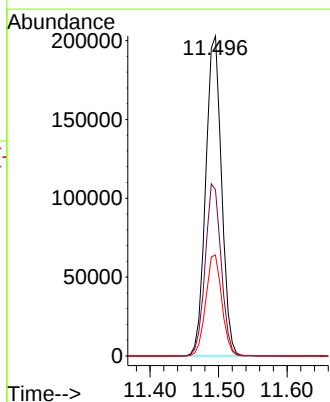
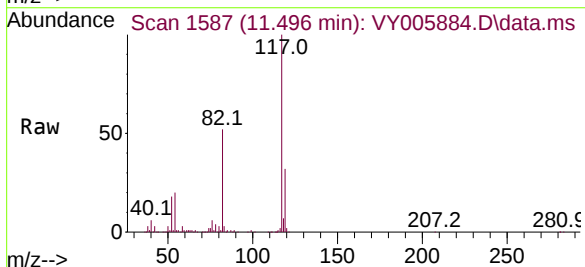
Instrument :
MSVOA_Y
ClientSampleId :

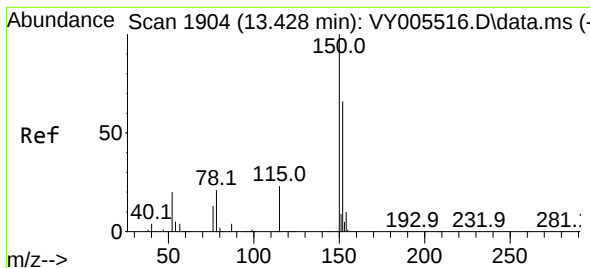
Tgt Ion: 95 Resp: 142491
Ion Ratio Lower Upper
95 100
174 94.3 0.0 191.4
176 92.2 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

Tgt Ion: 117 Resp: 326367
Ion Ratio Lower Upper
117 100
82 51.9 43.5 65.3
119 31.6 25.5 38.3

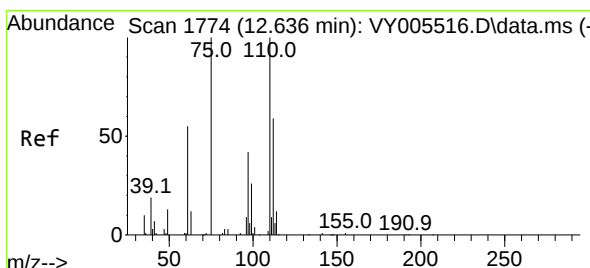
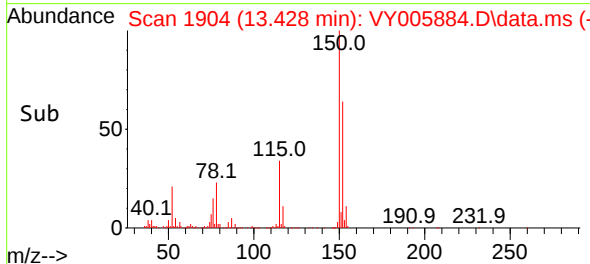
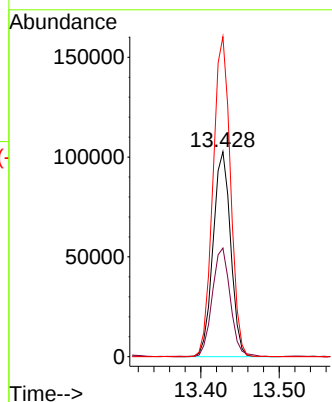
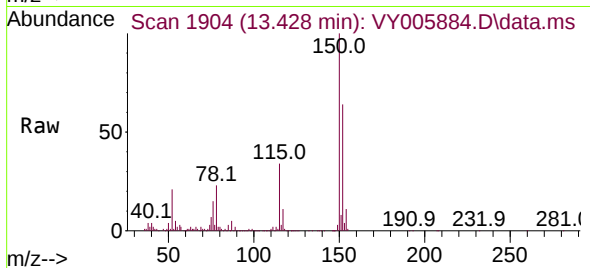




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005884.D
 Acq: 27 Aug 2021 15:28

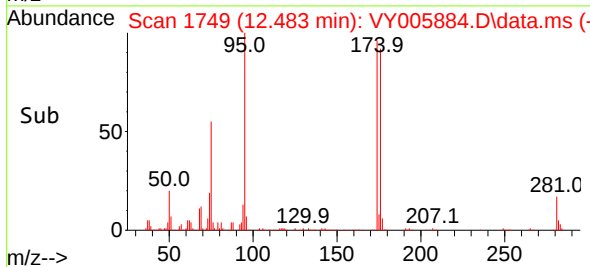
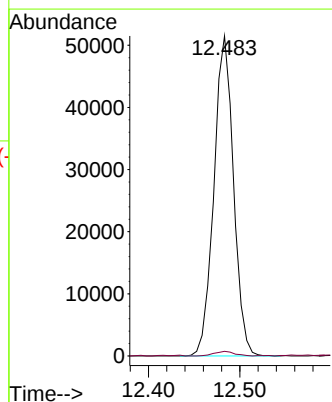
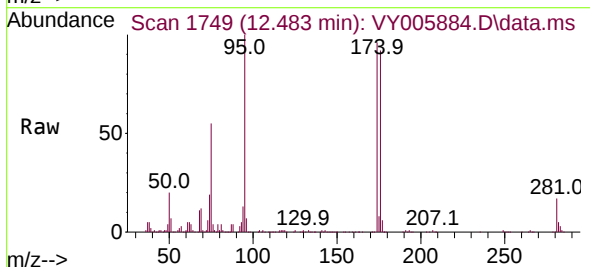
Instrument :
 MSVOA_Y
 ClientSampleId :

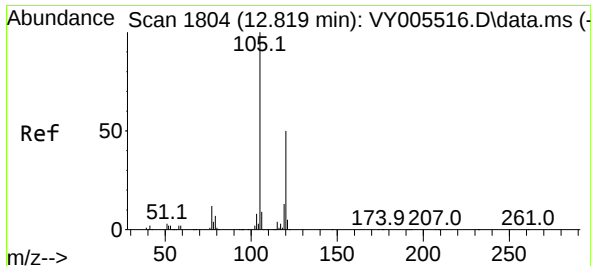
Tgt Ion:152 Resp: 159621
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.3 81.9
 150 155.6 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 46.309 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY005884.D
 Acq: 27 Aug 2021 15:28

Tgt Ion: 75 Resp: 76602
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

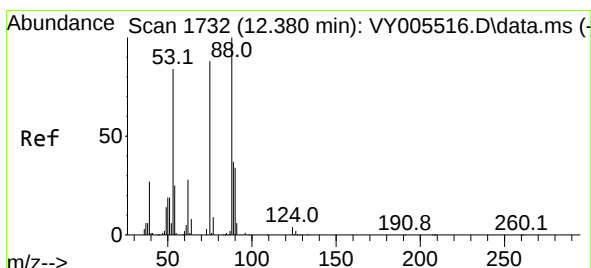
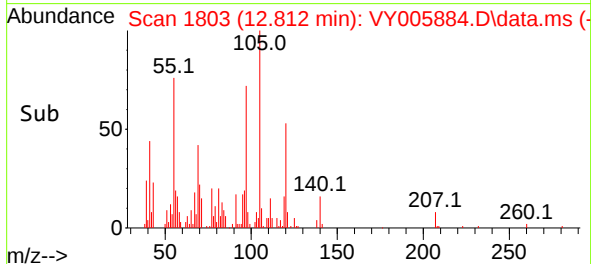
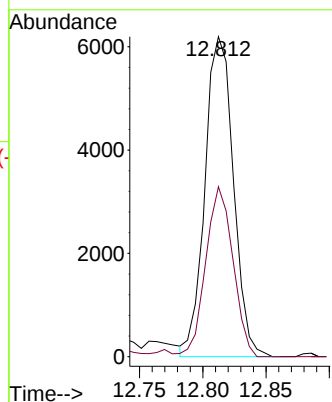
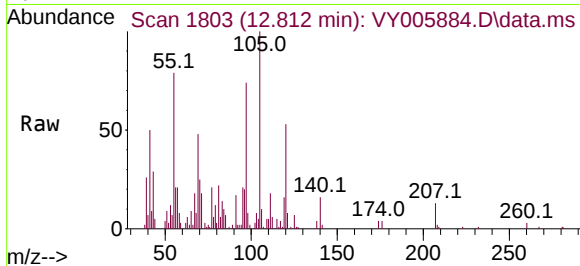




#80
1,3,5-Trimethylbenzene
Concen: 1.051 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

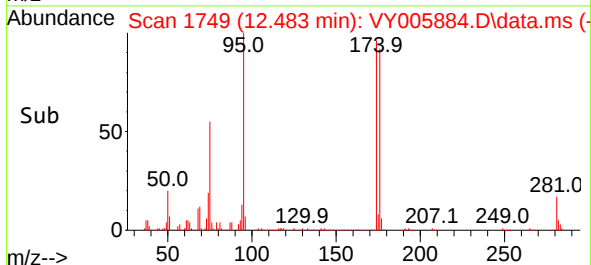
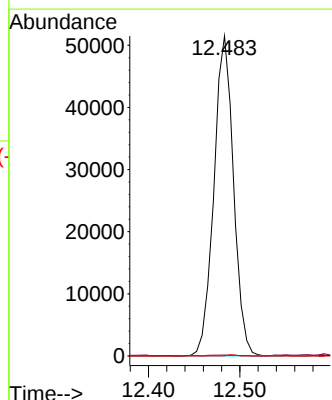
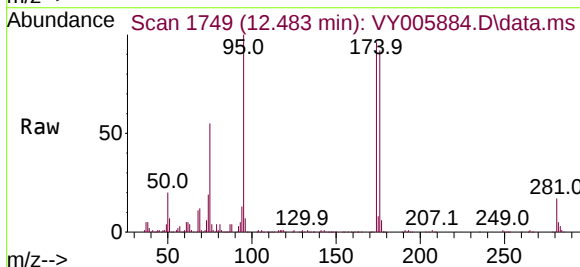
Instrument :
MSVOA_Y
ClientSampleId :

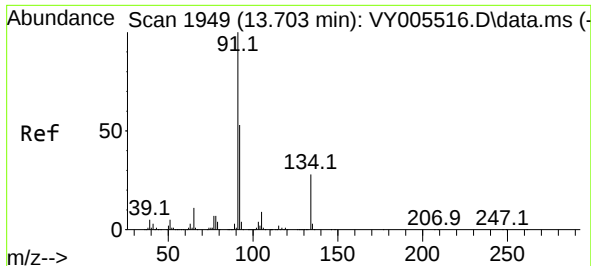
Tgt Ion:105 Resp: 9715
Ion Ratio Lower Upper
105 100
120 50.8 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 93.354 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

Tgt Ion: 75 Resp: 76602
Ion Ratio Lower Upper
75 100
53 0.4 76.7 115.1#
89 0.2 38.4 57.6#

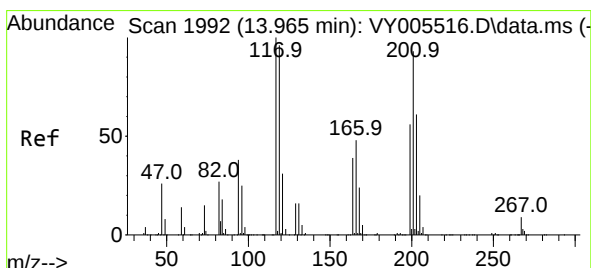
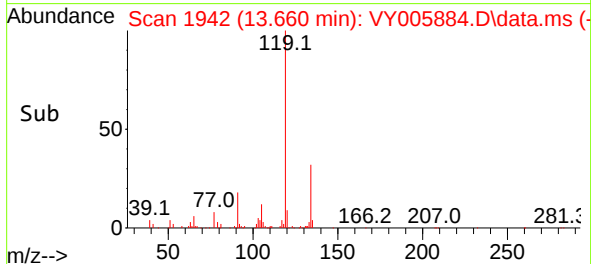
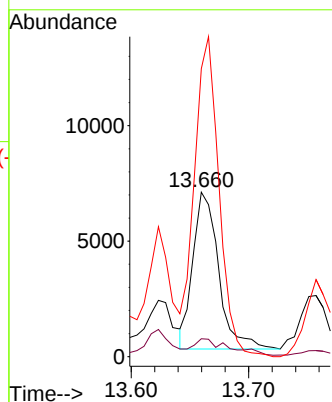
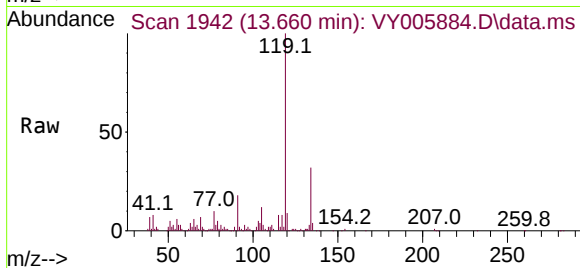




#89
n-Butylbenzene
Concen: 1.110 ug/l
RT: 13.660 min Scan# 1942
Delta R.T. -0.043 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

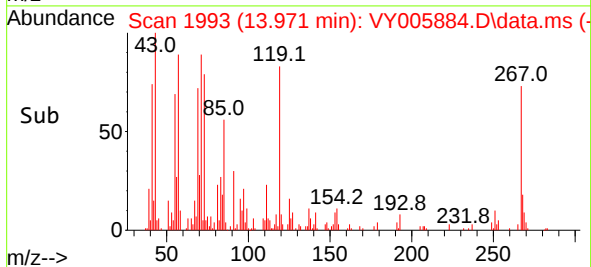
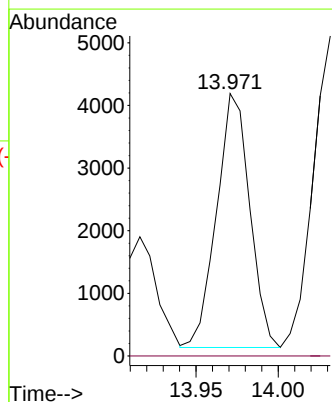
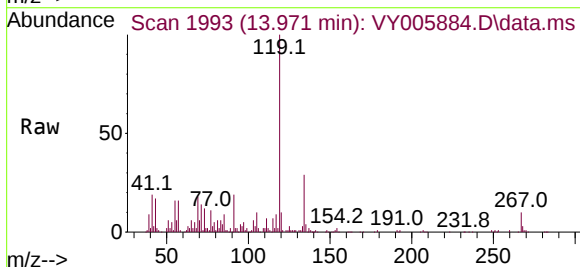
Instrument :
MSVOA_Y
ClientSampleId :

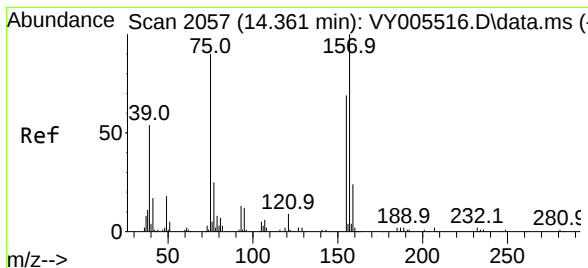
Tgt Ion: 91 Resp: 10333
Ion Ratio Lower Upper
91 100
92 13.8 26.7 80.1#
134 195.2 13.8 41.4#



#90
Hexachloroethane
Concen: 3.072 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY005884.D
Acq: 27 Aug 2021 15:28

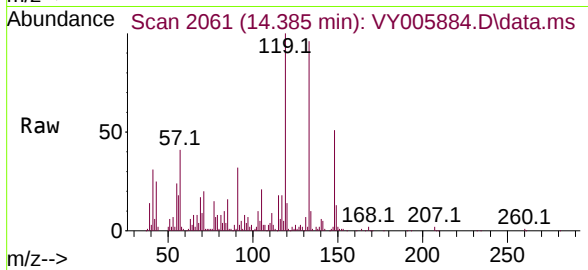
Tgt Ion: 117 Resp: 5674
Ion Ratio Lower Upper
117 100
201 0.0 46.7 140.1#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.361 ug/l
 RT: 14.385 min Scan# 2061
 Delta R.T. 0.024 min
 Lab File: VY005884.D
 Acq: 27 Aug 2021 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 553
 Ion Ratio Lower Upper
 75 100
 155 47.9 42.4 127.1
 157 0.0 56.0 168.2#

