

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007898.D
 Acq On : 18 Mar 2022 13:37
 Operator : SY/MD
 Sample : N1847-06
 Misc : 7.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B1-030722-0-1-BDRE

Quant Time: Mar 19 00:12:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

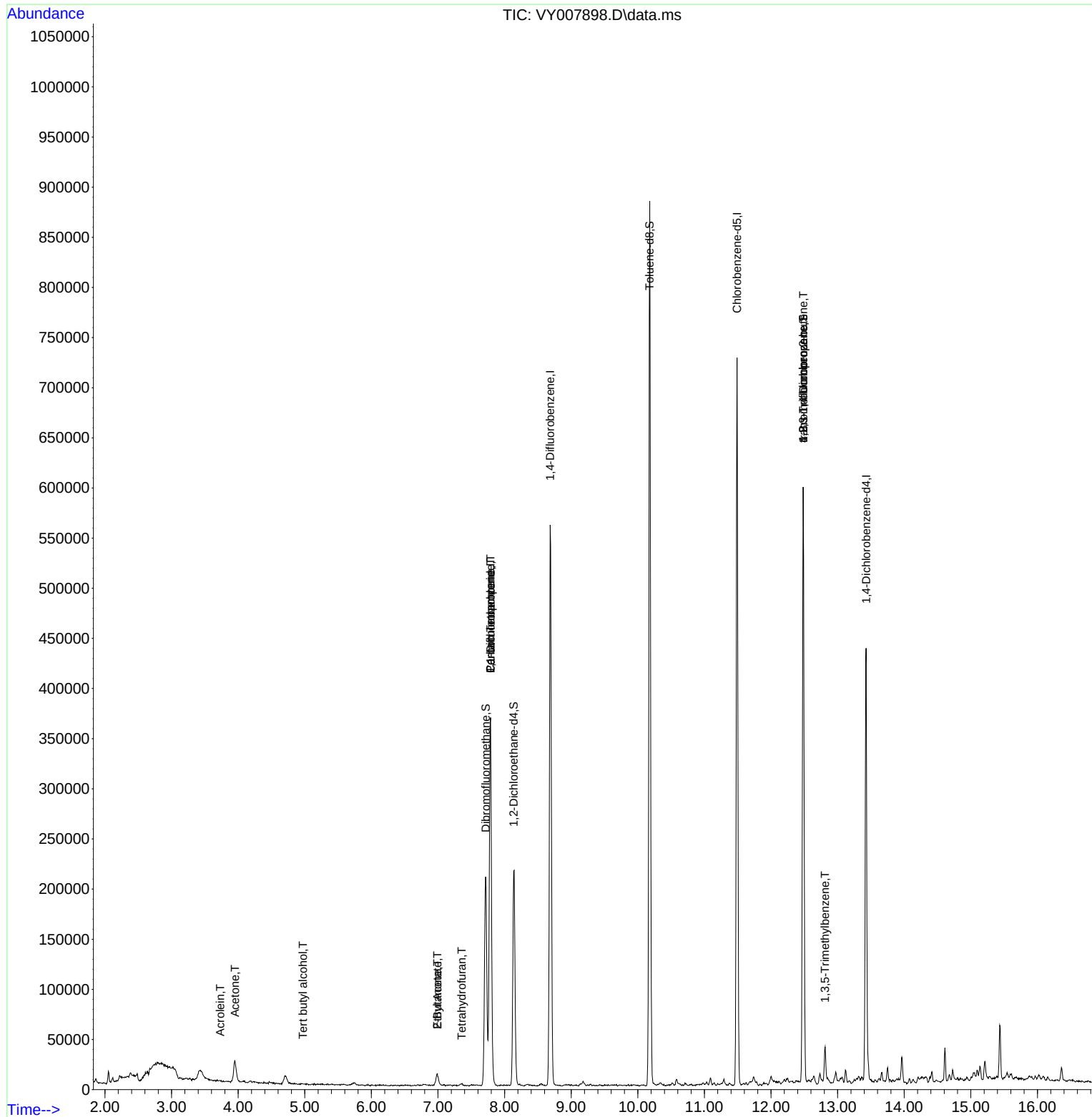
Internal Standards						
1) Pentafluorobenzene	7.789	168	288221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	500444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	389597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	167376	50.932	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.860%			
35) Dibromofluoromethane	7.716	113	155271	44.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.360%			
50) Toluene-d8	10.179	98	571396	54.368	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.740%			
62) 4-Bromofluorobenzene	12.483	95	155491	30.826	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 61.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	77	Below Cal	#	43
3) Chloromethane	2.113	50	2658	Below Cal		95
4) Vinyl Chloride	2.284	62	277	Below Cal	#	43
5) Bromomethane	2.668	94	68	Below Cal	#	80
11) Tert butyl alcohol	4.972	59	405	1.058	ug/l #	7
13) Acrolein	3.729	56	389	1.687	ug/l #	14
16) Acetone	3.954	43	35729	40.983	ug/l	91
17) Carbon Disulfide	4.180	76	3365	Below Cal		100
18) Methyl Acetate	4.466	43	656	Below Cal	#	1
20) Methylene Chloride	4.704	84	6252	Below Cal	#	81
25) 2-Butanone	6.990	43	19395	13.889	ug/l	91
29) Tetrahydrofuran	7.356	42	1900	2.124	ug/l #	81
31) Cyclohexane	7.783	56	6829	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	22840	4.382	ug/l #	50
37) Ethyl Acetate	6.990	43	19395	6.098	ug/l #	76
38) Carbon Tetrachloride	7.789	117	29262	5.253	ug/l #	15
39) Methylcyclohexane	9.179	83	1841	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.483	75	79757	51.167	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	13732	1.735	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	79757	107.472	ug/l #	8

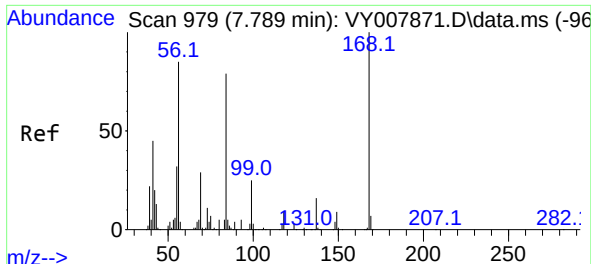
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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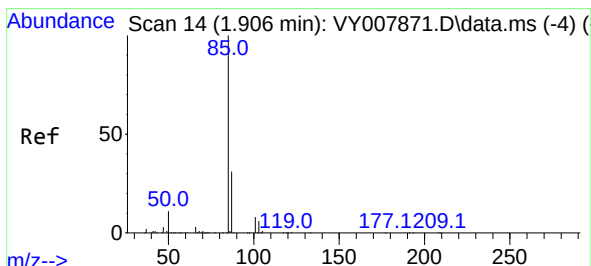
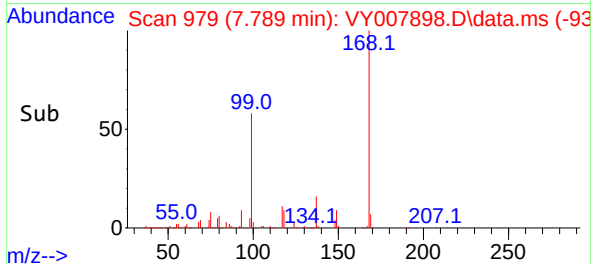
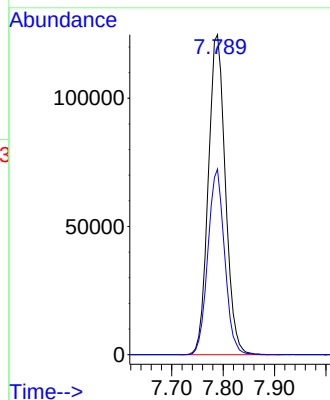
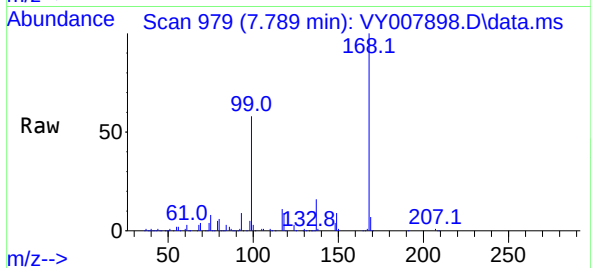




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

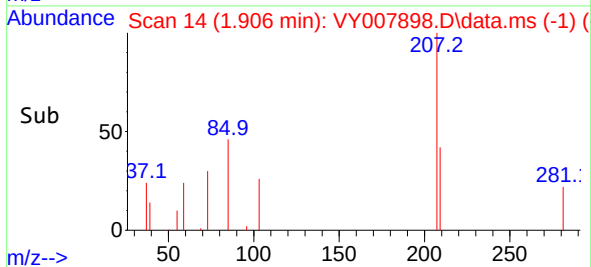
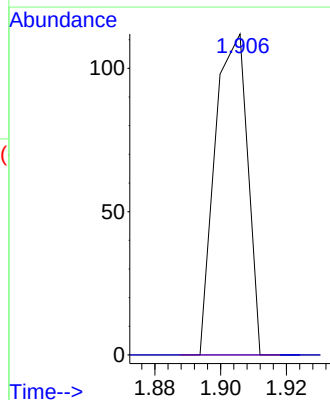
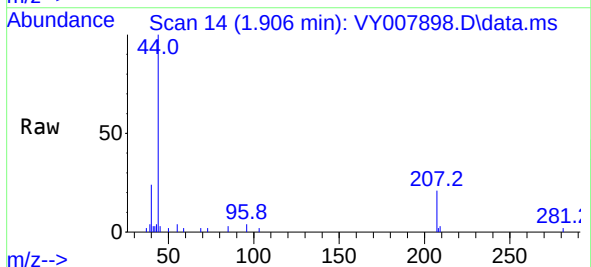
Instrument :
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CG-B1-030722-0-1-BDRE

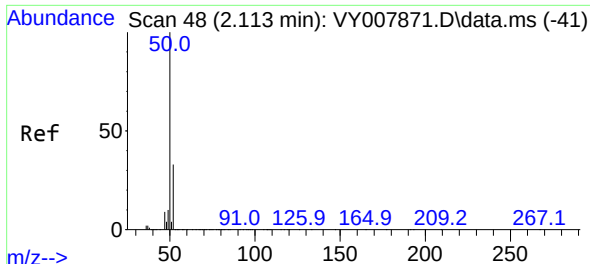
Tgt Ion:168 Resp: 288221
Ion Ratio Lower Upper
168 100
99 58.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 85 Resp: 77
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

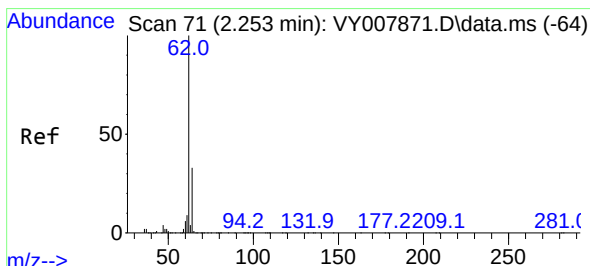
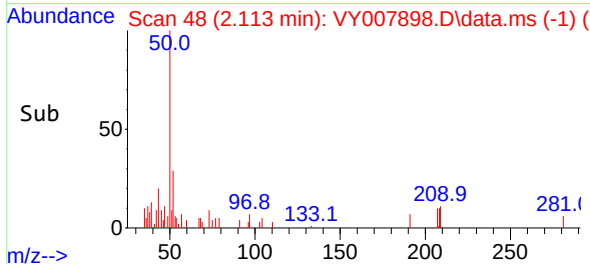
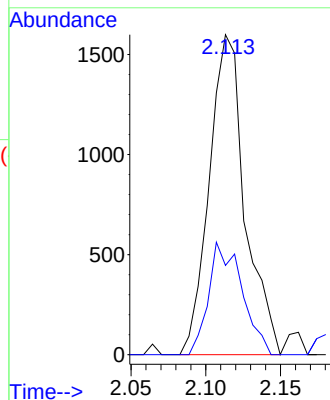
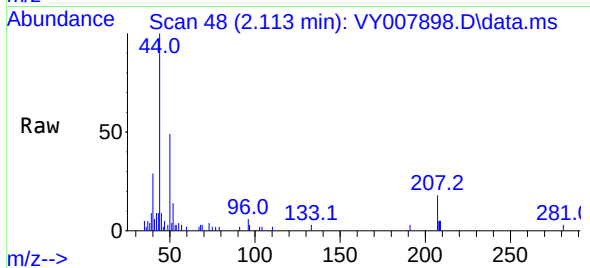




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

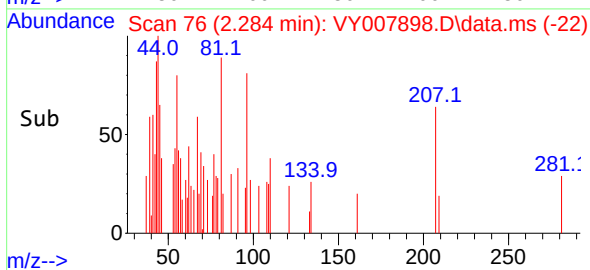
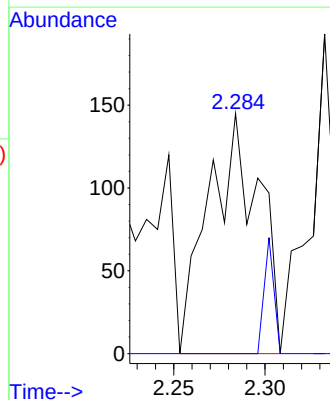
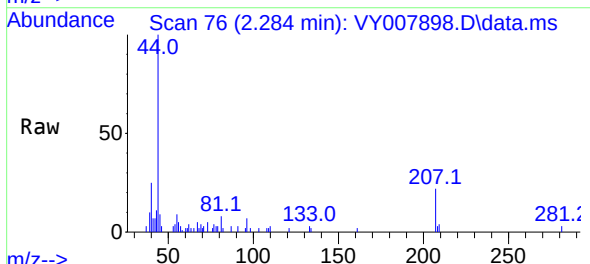
Instrument :
MSVOA_Y
ClientSampleId :
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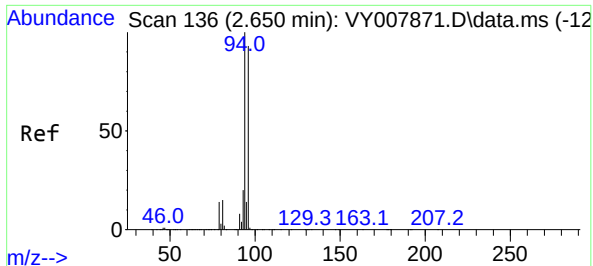
Tgt Ion: 50 Resp: 2658
Ion Ratio Lower Upper
50 100
52 27.9 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.284 min Scan# 76
Delta R.T. 0.030 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 62 Resp: 277
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

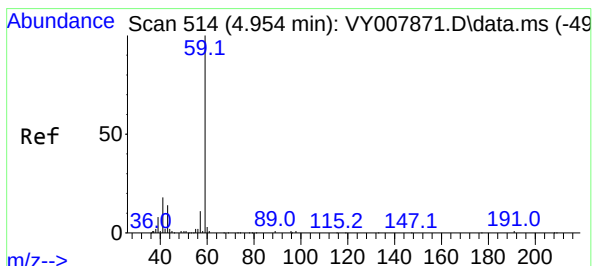
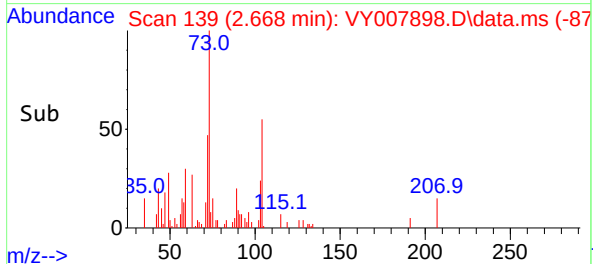
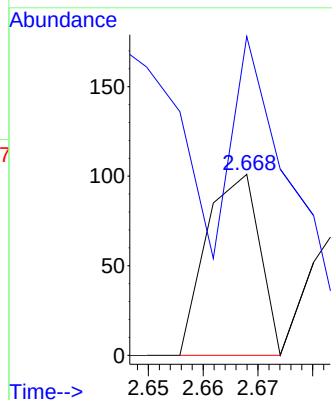
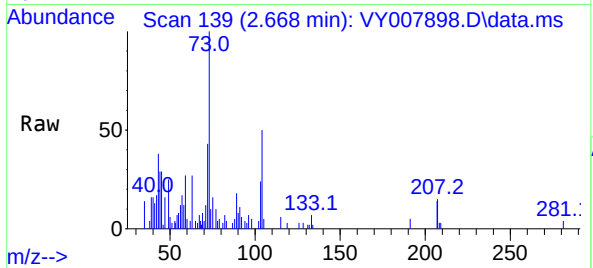




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

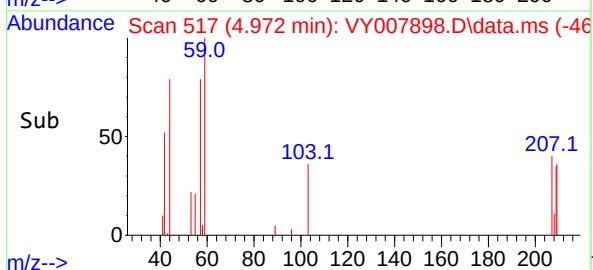
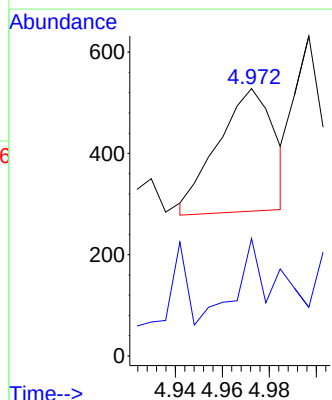
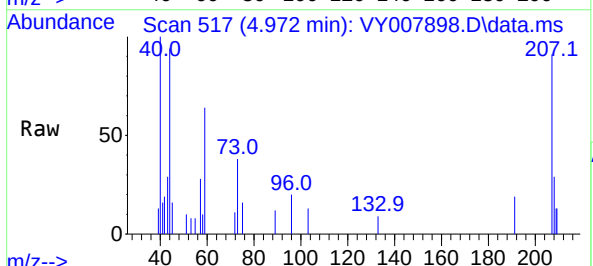
Instrument :
MSVOA_Y
ClientSampleId :
CG-B1-030722-0-1-BDRE

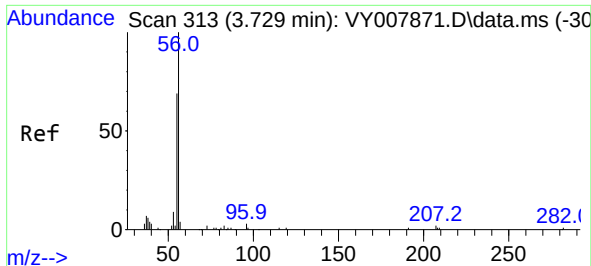
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 73.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: 1.058 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.018 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 40.7 6.4 9.6#

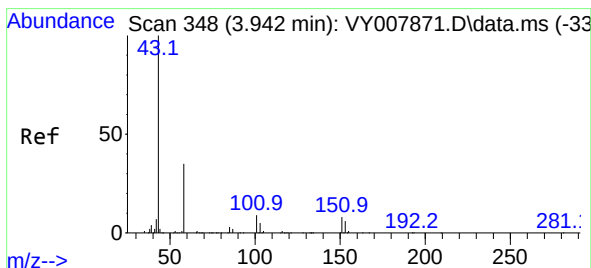
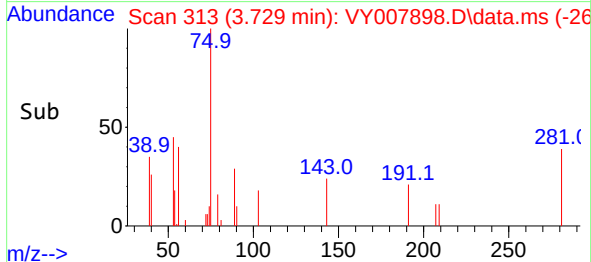
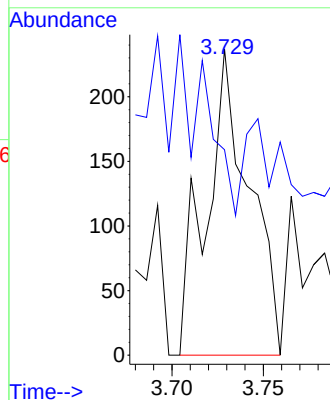
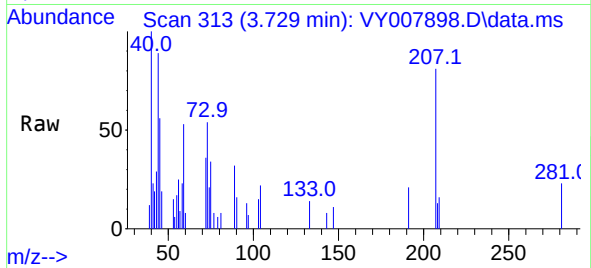




#13
Acrolein
Concen: 1.687 ug/l
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

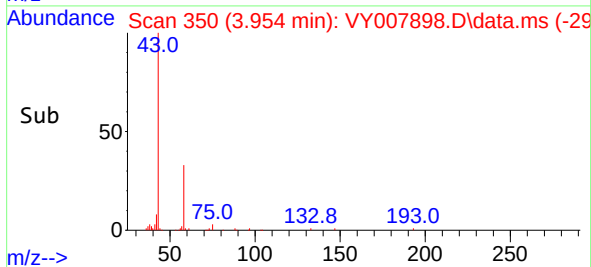
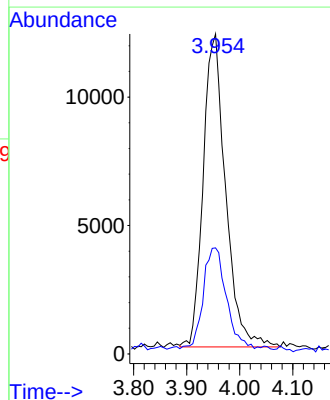
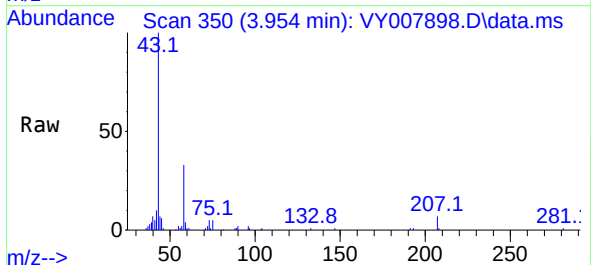
Instrument :
MSVOA_Y
ClientSampleId :
CG-B1-030722-0-1-BDRE

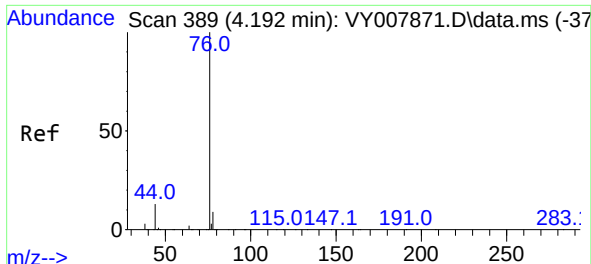
Tgt Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 40.983 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 43 Resp: 35729
Ion Ratio Lower Upper
43 100
58 32.2 22.0 33.0

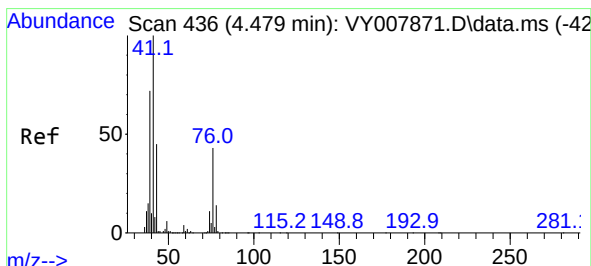
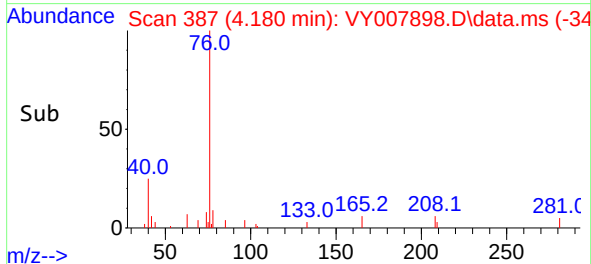
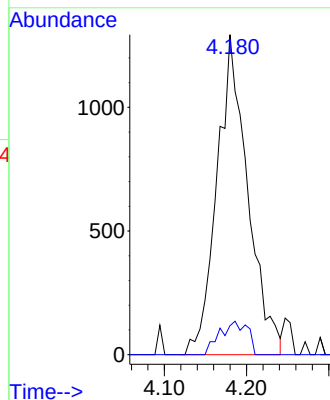
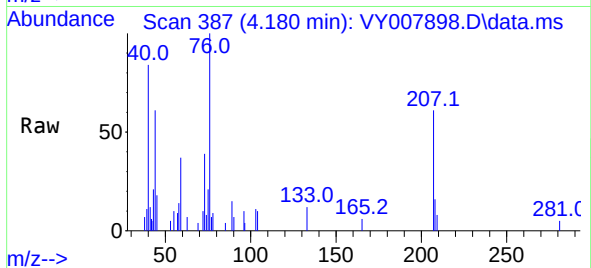




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

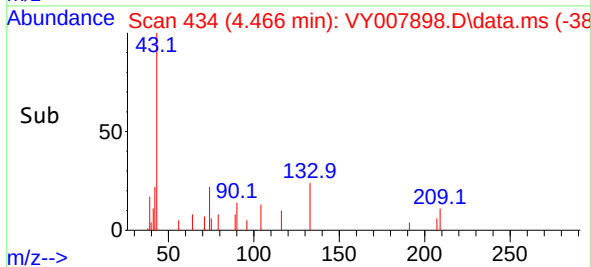
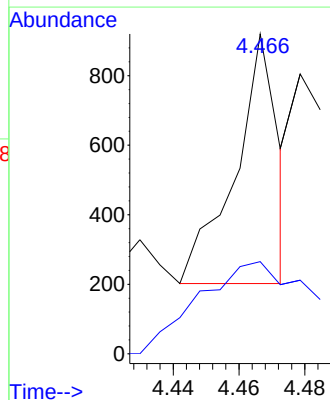
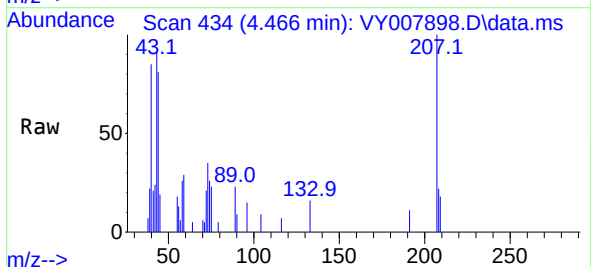
Instrument :
MSVOA_Y
ClientSampleId :
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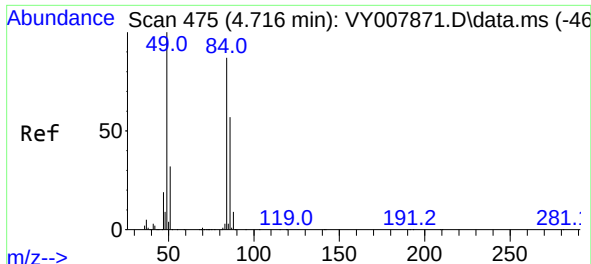
Tgt Ion: 76 Resp: 3365
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
74 139.3 16.6 24.8#

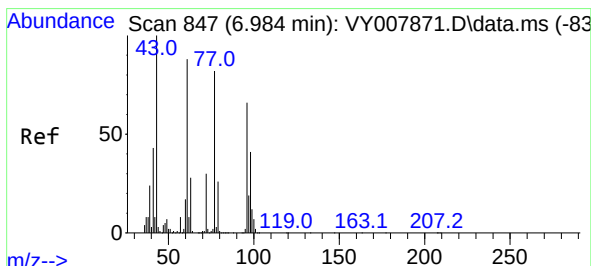
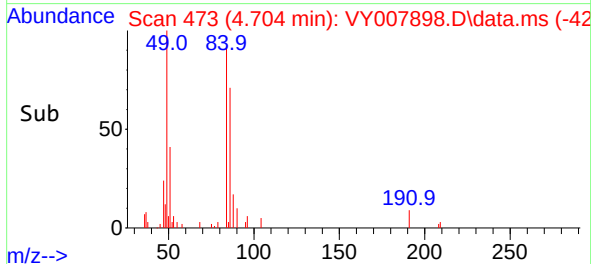
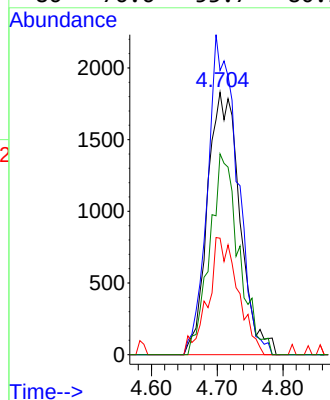
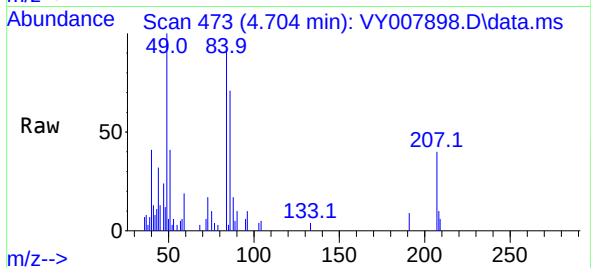




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

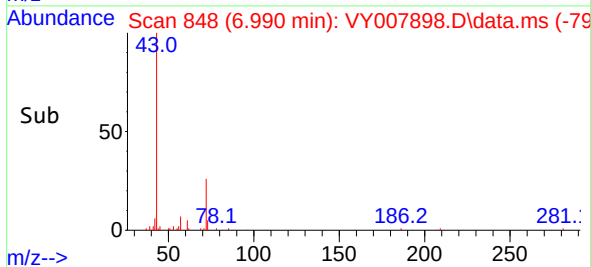
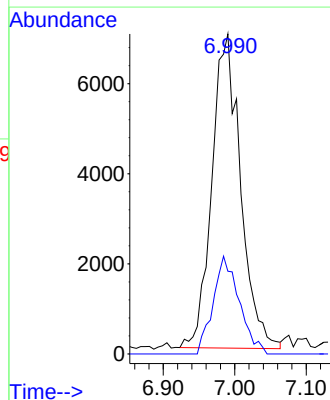
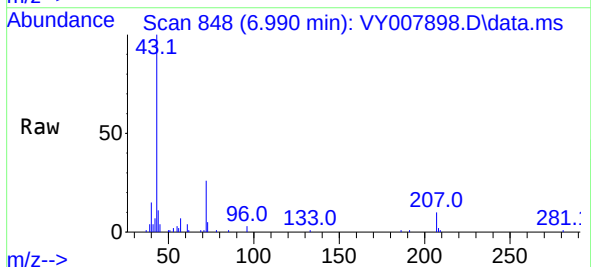
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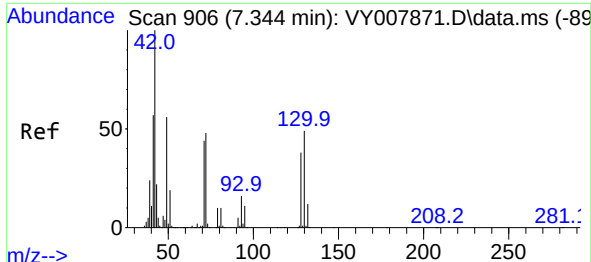
Tgt Ion: 84 Resp: 6252
Ion Ratio Lower Upper
84 100
49 108.3 114.4 171.6#
51 44.4 35.3 52.9
86 76.6 53.7 80.5



#25
2-Butanone
Concen: 13.889 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 43 Resp: 19395
Ion Ratio Lower Upper
43 100
72 26.4 17.7 26.5





#29

Tetrahydrofuran

Concen: 2.124 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY007898.D

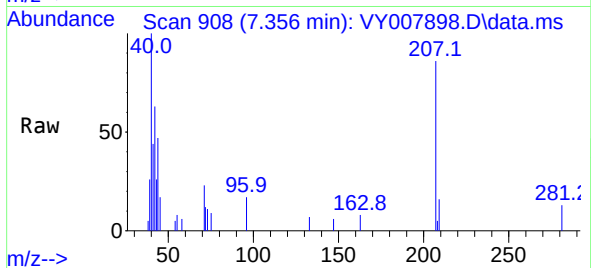
Acq: 18 Mar 2022 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CG-B1-030722-0-1-BDRE



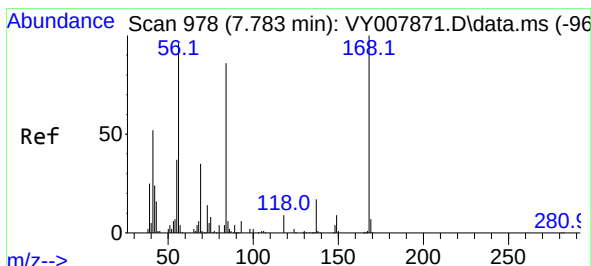
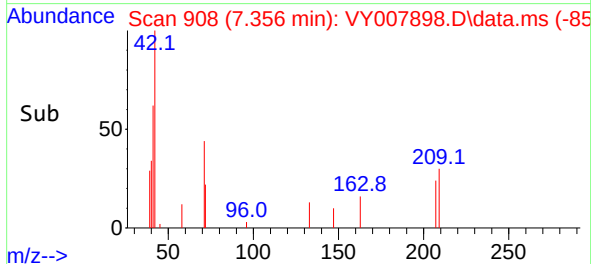
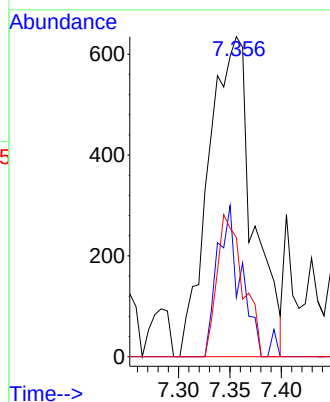
Tgt Ion: 42 Resp: 1900

Ion Ratio Lower Upper

42 100

72 24.9 30.3 45.5#

71 26.1 29.0 43.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY007898.D

Acq: 18 Mar 2022 13:37

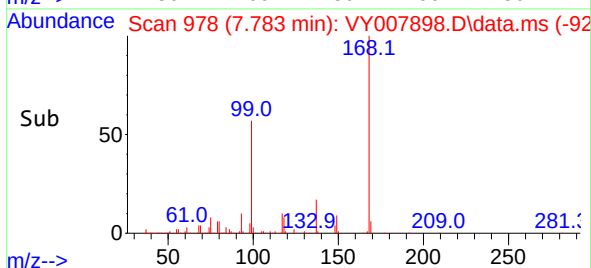
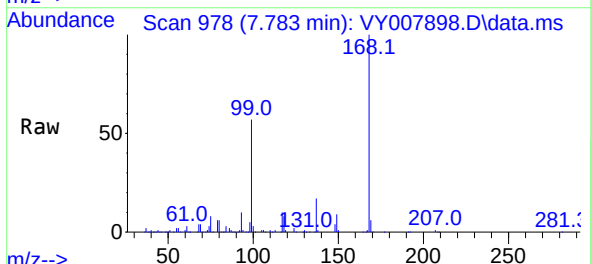
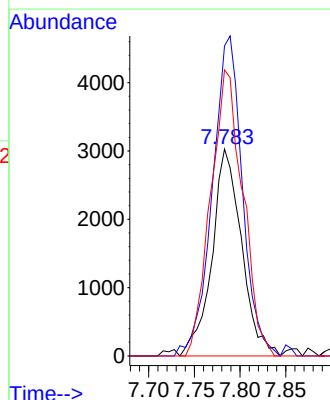
Tgt Ion: 56 Resp: 6829

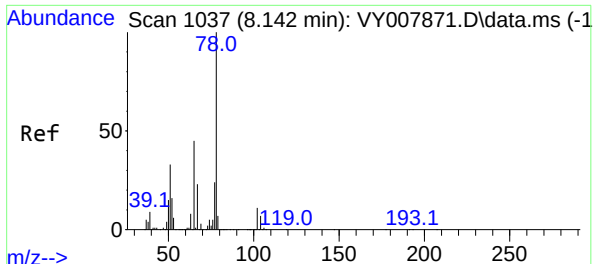
Ion Ratio Lower Upper

56 100

69 150.0 26.7 40.1#

84 138.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.932 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY007898.D

Acq: 18 Mar 2022 13:37

Instrument :

MSVOA_Y

ClientSampleId :

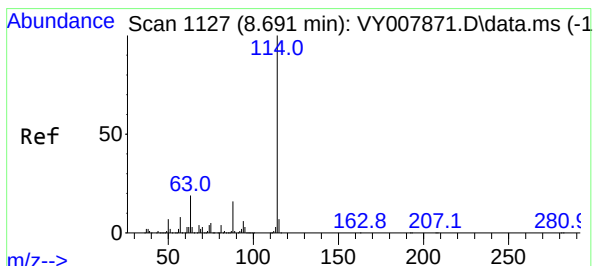
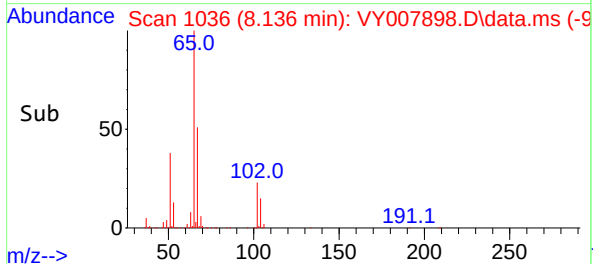
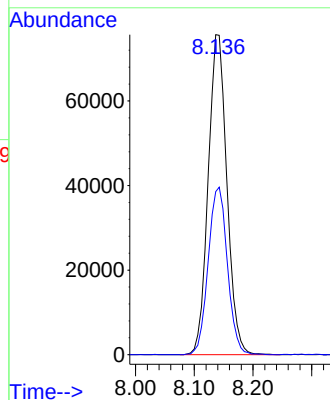
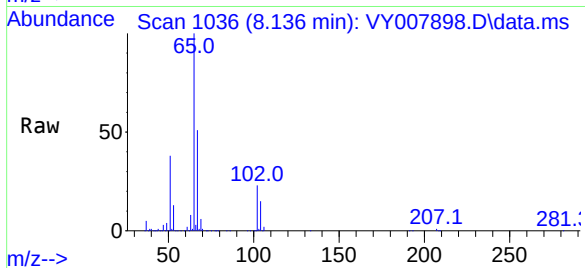
CG-B1-030722-0-1-BDRE

Tgt Ion: 65 Resp: 167376

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007898.D

Acq: 18 Mar 2022 13:37

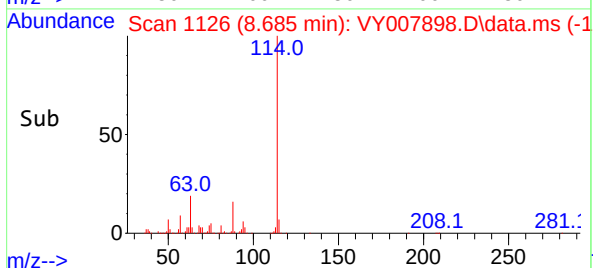
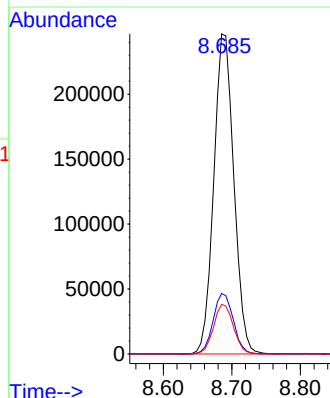
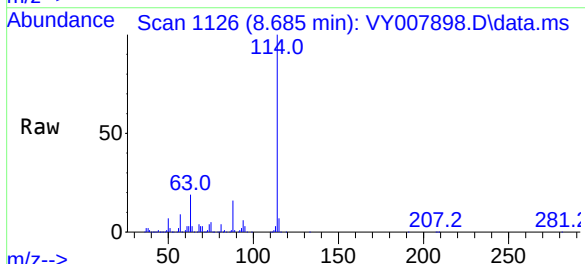
Tgt Ion: 114 Resp: 500444

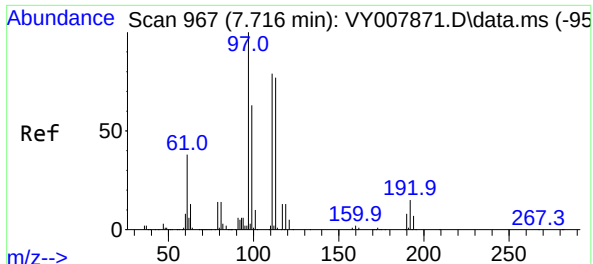
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.5 0.0 31.8

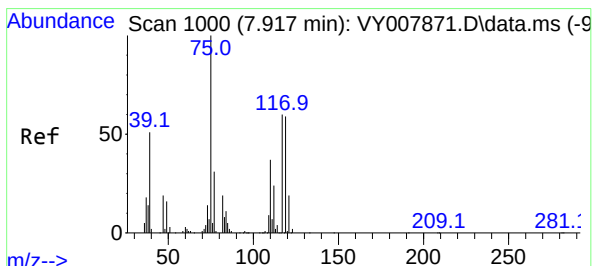
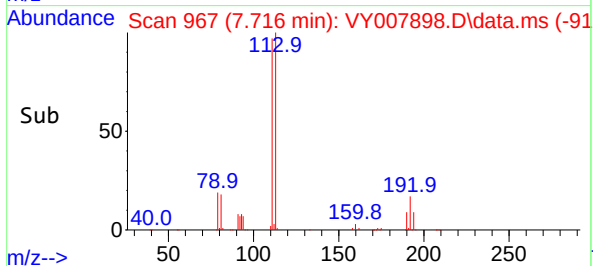
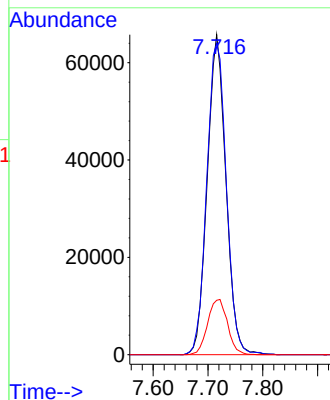
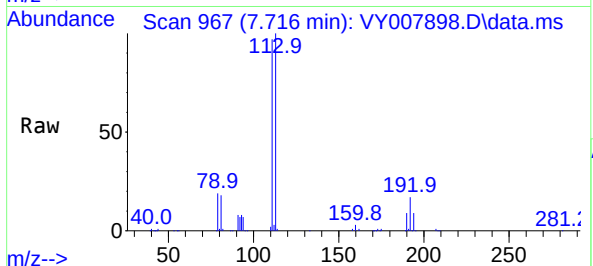




#35
Dibromofluoromethane
Concen: 44.179 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

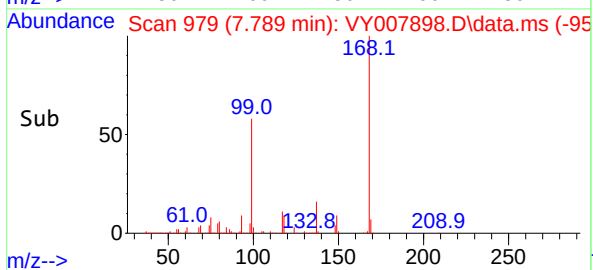
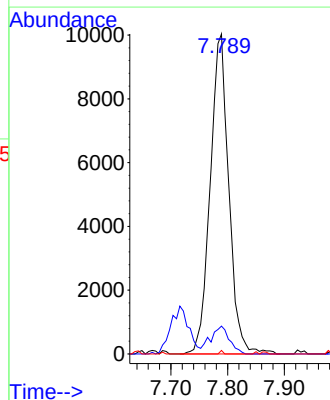
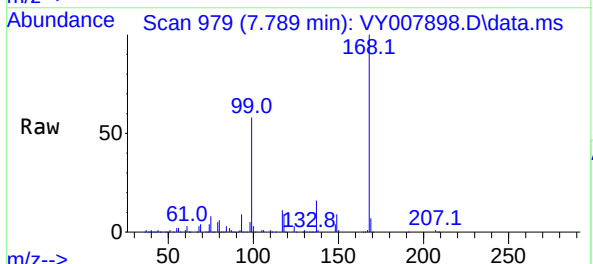
Instrument :
MSVOA_Y
ClientSampleId :
CG-B1-030722-0-1-BDRE

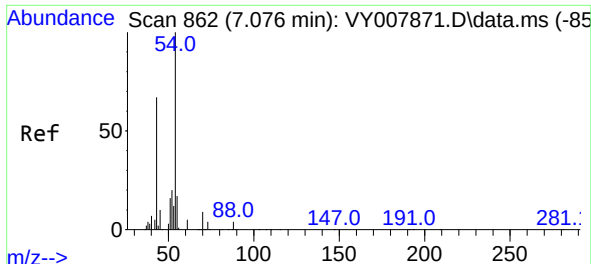
Tgt Ion:113 Resp: 155271
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 18.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 75 Resp: 22840
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.2 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.098 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY007898.D

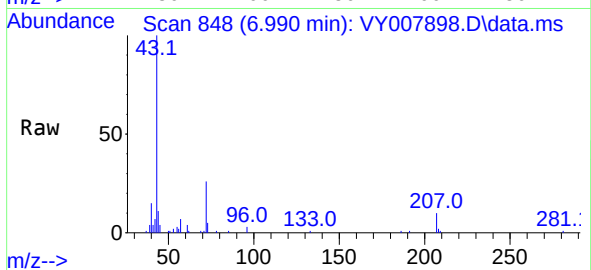
Acq: 18 Mar 2022 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CG-B1-030722-0-1-BDRE



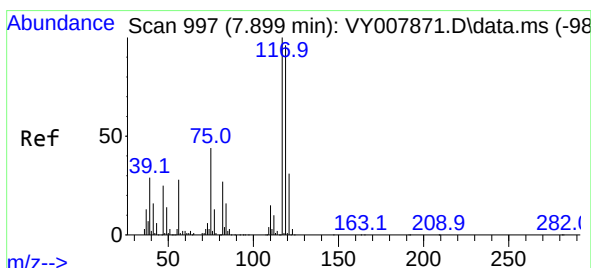
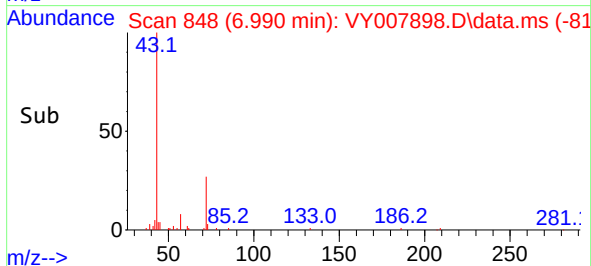
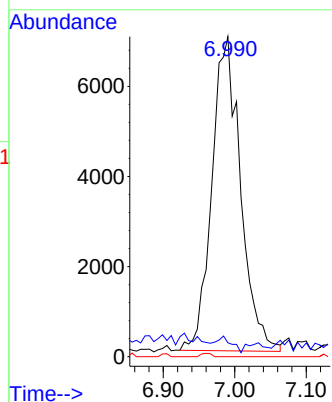
Tgt Ion: 43 Resp: 19395

Ion Ratio Lower Upper

43 100

61 2.8 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.253 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007898.D

Acq: 18 Mar 2022 13:37

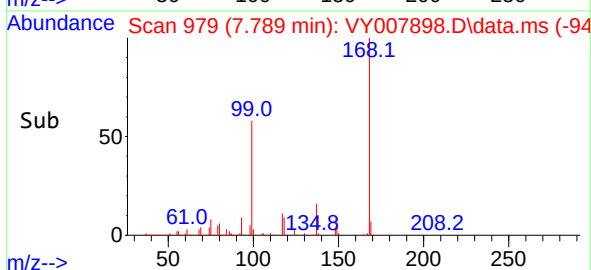
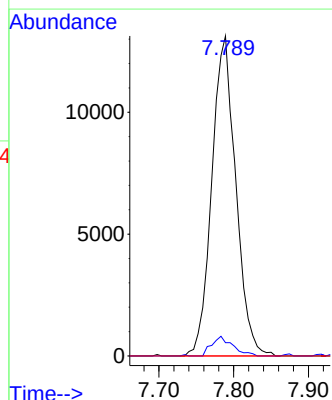
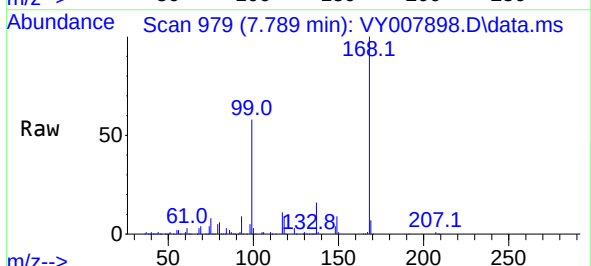
Tgt Ion: 117 Resp: 29262

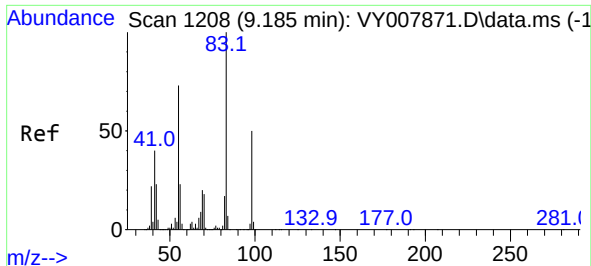
Ion Ratio Lower Upper

117 100

119 4.2 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007898.D

Acq: 18 Mar 2022 13:37

Instrument :

MSVOA_Y

ClientSampleId :

CG-B1-030722-0-1-BDRE

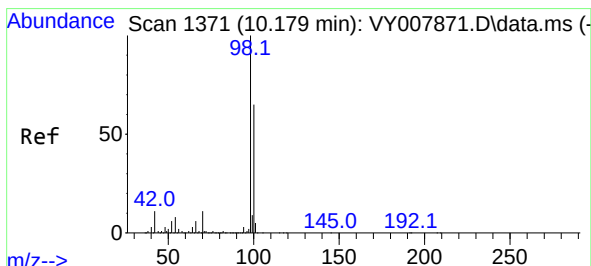
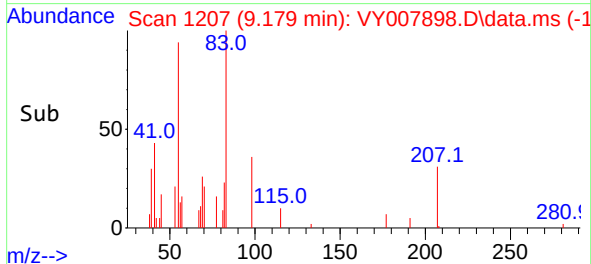
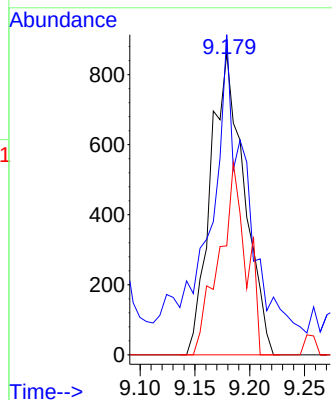
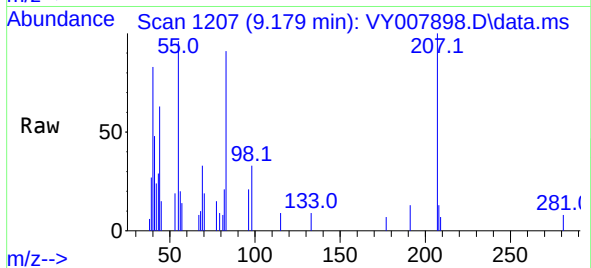
Tgt Ion: 83 Resp: 1841

Ion Ratio Lower Upper

83 100

55 91.1 66.5 99.7

98 36.1 37.9 56.9#



#50

Toluene-d8

Concen: 54.368 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY007898.D

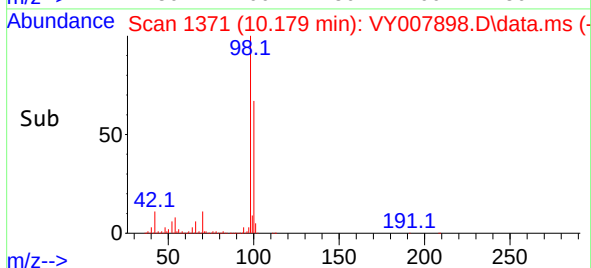
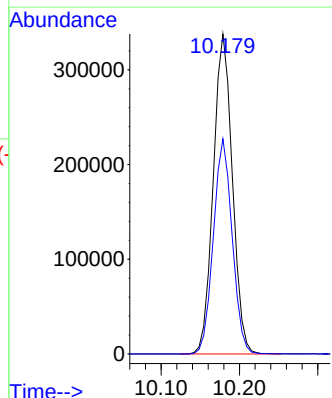
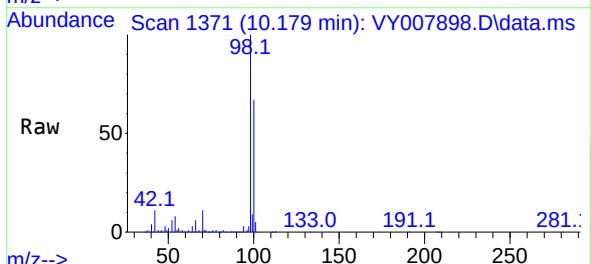
Acq: 18 Mar 2022 13:37

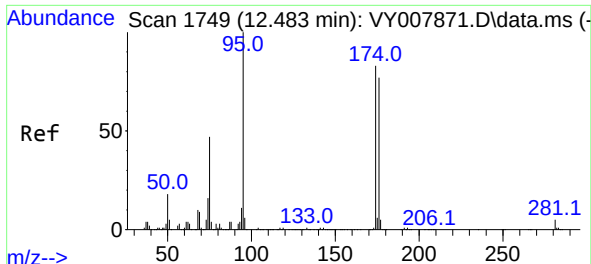
Tgt Ion: 98 Resp: 571396

Ion Ratio Lower Upper

98 100

100 66.3 50.2 75.2

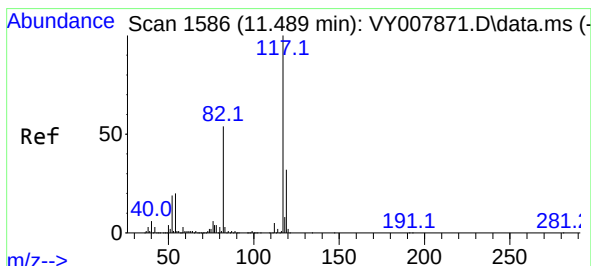
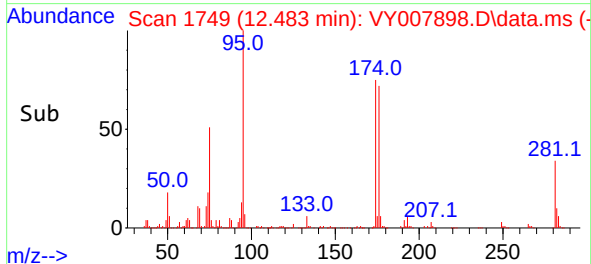
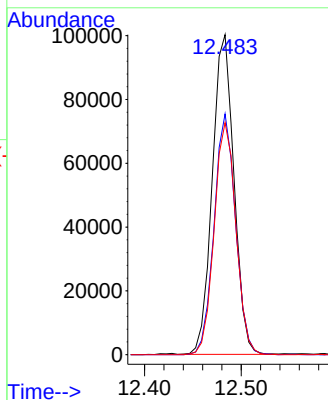
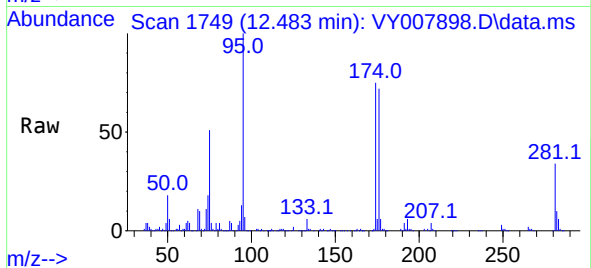




#62
4-Bromofluorobenzene
Concen: 30.826 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

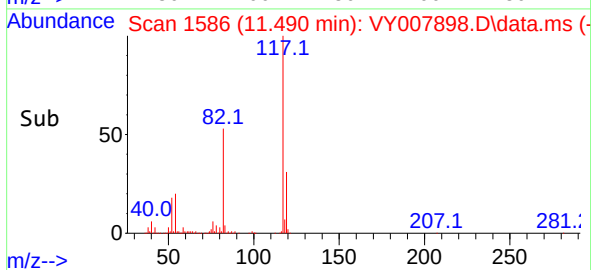
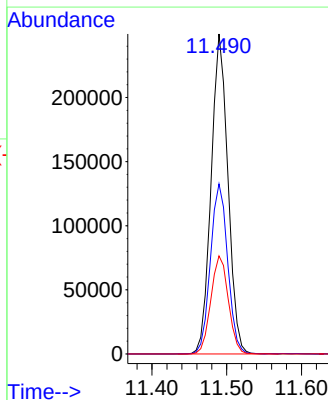
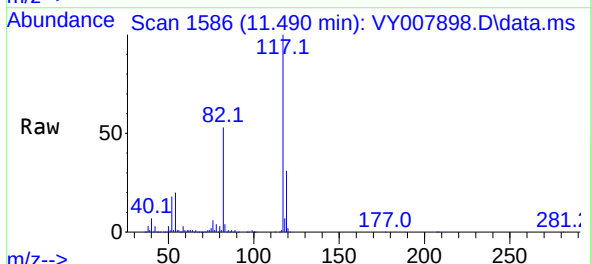
Instrument :
MSVOA_Y
ClientSampleId :
CG-B1-030722-0-1-BDRE

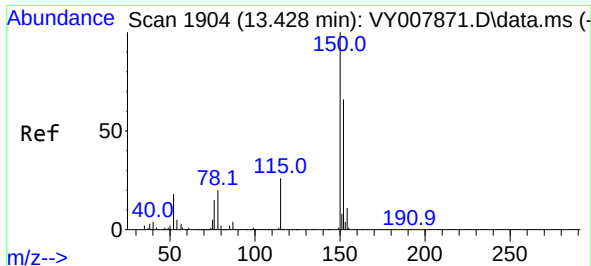
Tgt Ion: 95 Resp: 155491
Ion Ratio Lower Upper
95 100
174 74.6 0.0 177.0
176 72.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 117 Resp: 389597
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 30.7 25.4 38.0

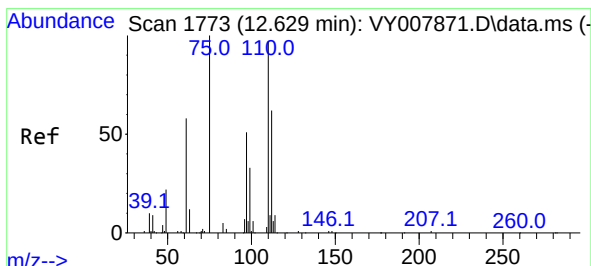
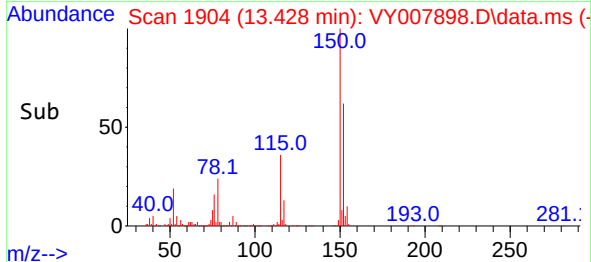
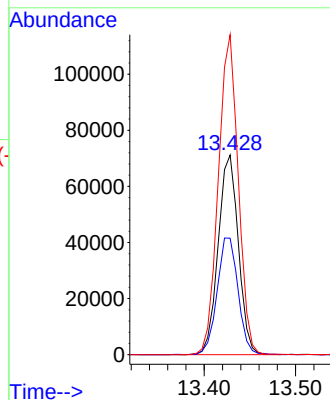
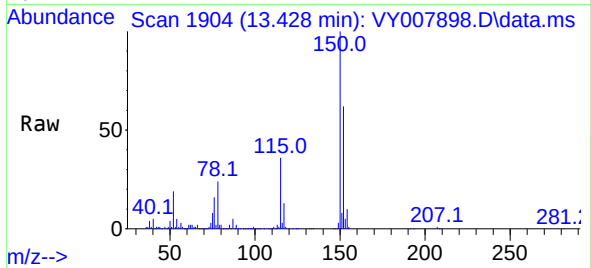




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY007898.D
 Acq: 18 Mar 2022 13:37

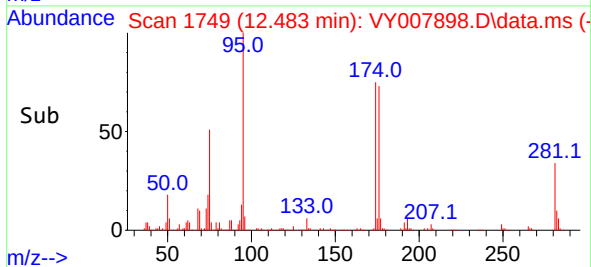
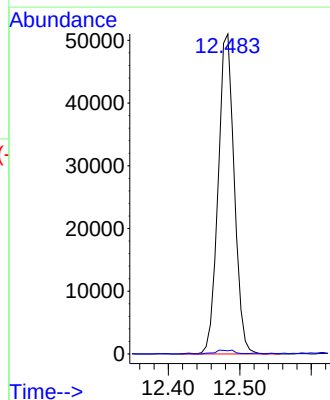
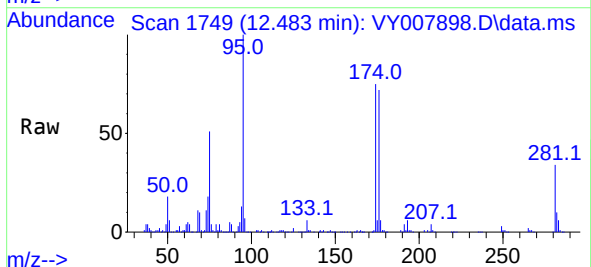
Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B1-030722-0-1-BDRE

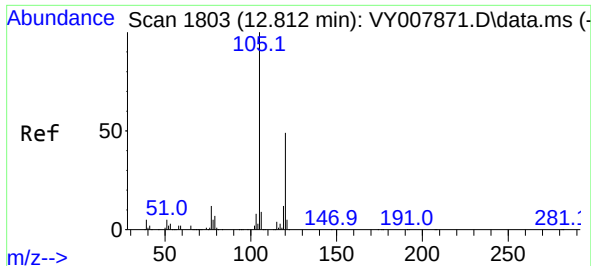
Tgt Ion:152 Resp: 109360
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.2 84.7
 150 158.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.167 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007898.D
 Acq: 18 Mar 2022 13:37

Tgt Ion: 75 Resp: 79757
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

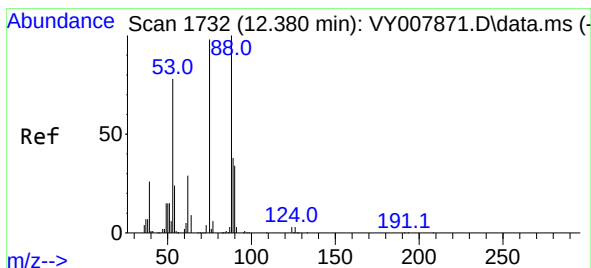
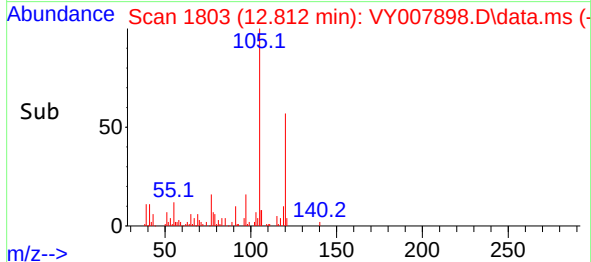
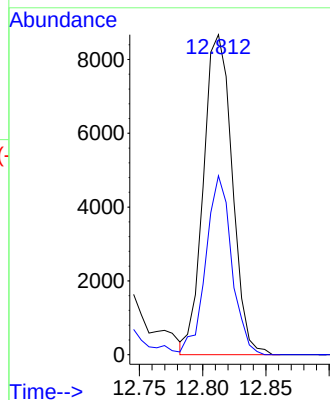
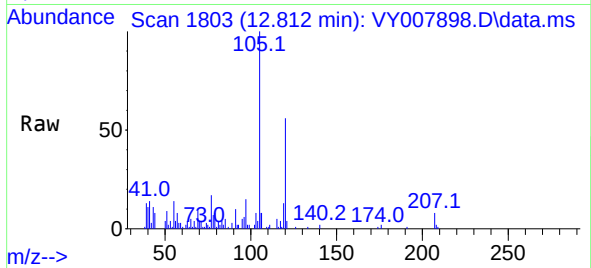




#80
1,3,5-Trimethylbenzene
Concen: 1.735 ug/l
RT: 12.812 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Instrument :
MSVOA_Y
ClientSampleId :
CG-B1-030722-0-1-BDRE

Tgt Ion:105 Resp: 13732
Ion Ratio Lower Upper
105 100
120 50.3 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 107.472 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007898.D
Acq: 18 Mar 2022 13:37

Tgt Ion: 75 Resp: 79757
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.7 37.0 55.4#

