

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007899.D
 Acq On : 18 Mar 2022 14:00
 Operator : SY/MD
 Sample : N1847-01
 Misc : 9.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B3-030722-0-1

Quant Time: Mar 19 00:12:30 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)

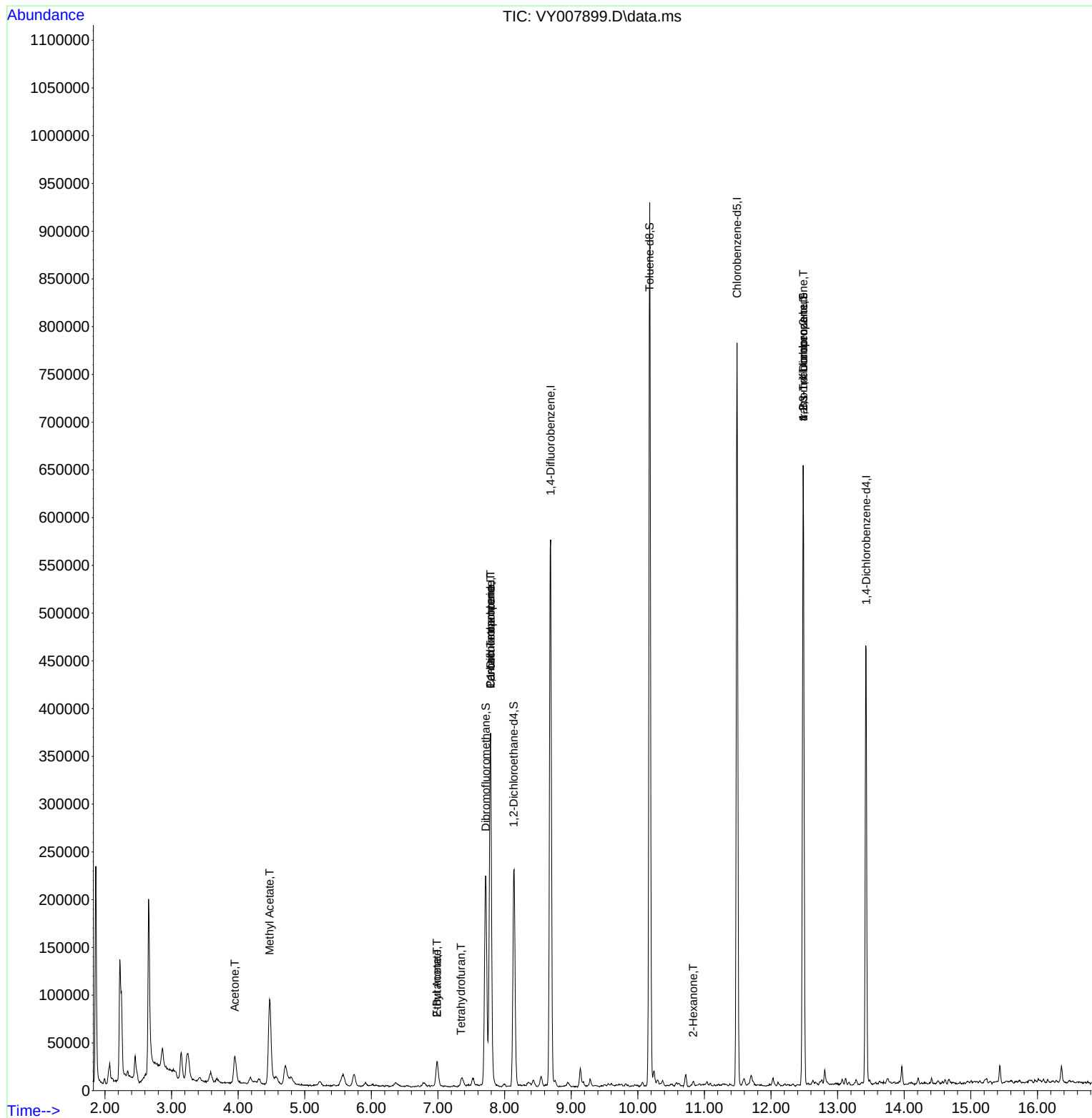
Internal Standards						
1) Pentafluorobenzene	7.789	168	289564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	522144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	424793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	171939	52.078	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.160%	
35) Dibromofluoromethane	7.715	113	161430	44.023	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.040%	
50) Toluene-d8	10.178	98	601388	54.900	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.800%	
62) 4-Bromofluorobenzene	12.483	95	166191	31.578	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 63.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.899	85	470	Below Cal	#	43
3) Chloromethane	2.113	50	2002	Below Cal	#	78
4) Vinyl Chloride	2.247	62	44	Below Cal	#	1
5) Bromomethane	2.655	94	56	Below Cal	#	47
16) Acetone	3.948	43	45696	52.173	ug/l #	86
17) Carbon Disulfide	4.186	76	13499	Below Cal	#	92
18) Methyl Acetate	4.472	43	175460	88.635	ug/l #	91
20) Methylene Chloride	4.710	84	15200	Below Cal		85
25) 2-Butanone	6.984	43	43979	31.348	ug/l #	89
29) Tetrahydrofuran	7.344	42	2102	2.338	ug/l #	74
31) Cyclohexane	7.782	56	7353	Below Cal	#	14
36) 1,1-Dichloropropene	7.789	75	22836	4.199	ug/l #	51
37) Ethyl Acetate	6.984	43	43979	13.252	ug/l #	73
38) Carbon Tetrachloride	7.789	117	29711	5.112	ug/l #	15
39) Methylcyclohexane	9.185	83	1730	Below Cal	#	85
59) 2-Hexanone	10.831	43	3682	1.527	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	85720	51.939	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	85720	109.093	ug/l #	8

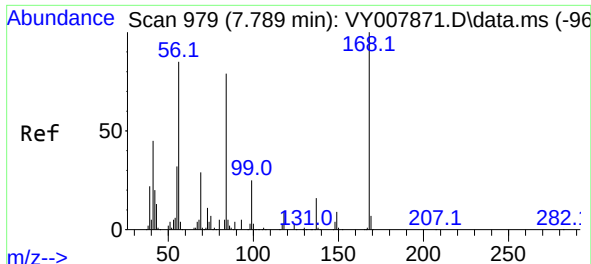
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
Data File : VY007899.D
Acq On : 18 Mar 2022 14:00
Operator : SY/MD
Sample : N1847-01
Misc : 9.87g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

Quant Time: Mar 19 00:12:30 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

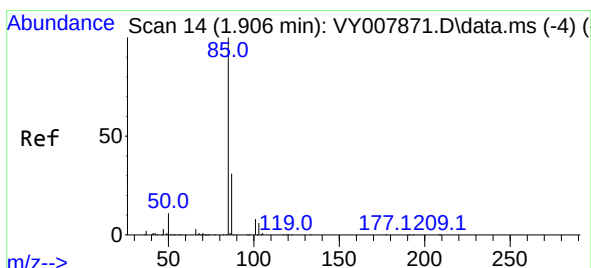
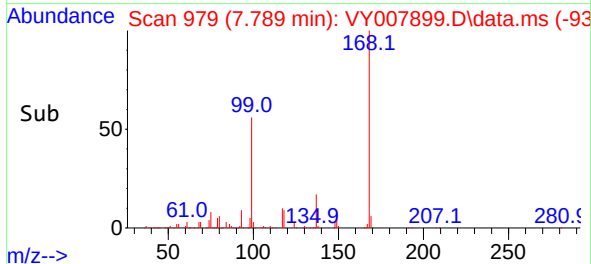
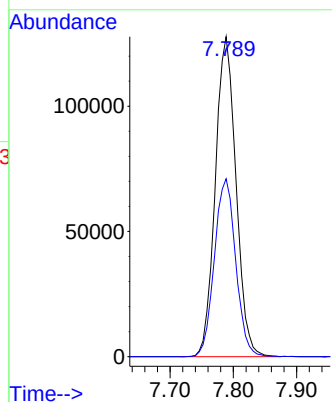
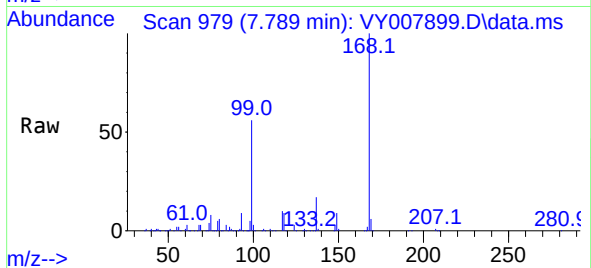




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

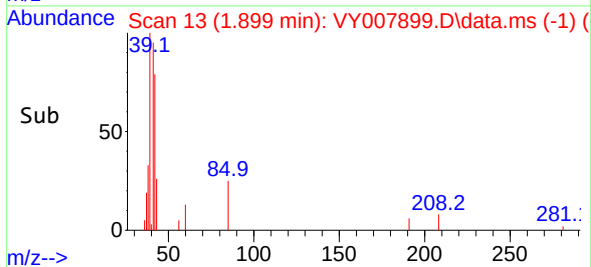
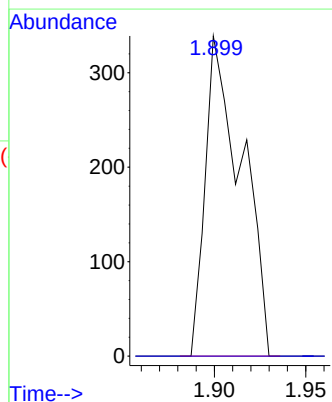
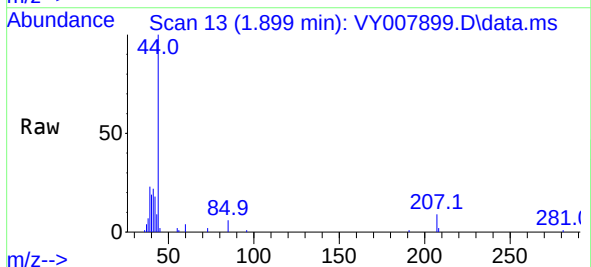
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

Tgt Ion:168 Resp: 289564
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3

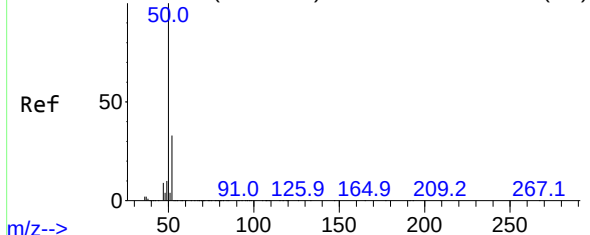


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.007 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 85 Resp: 470
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

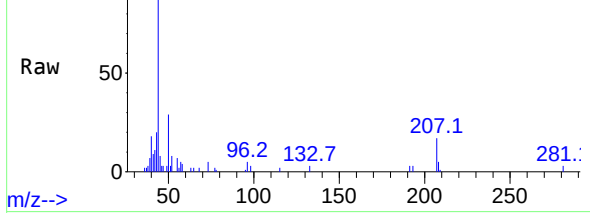


Abundance Scan 48 (2.113 min): VY007871.D\data.ms (-41)



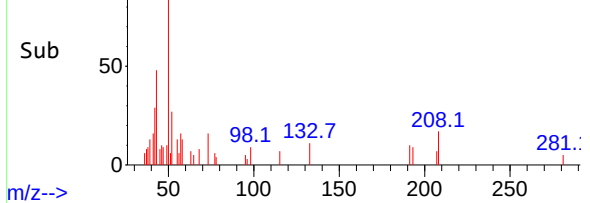
m/z-->

Abundance Scan 48 (2.113 min): VY007899.D\data.ms



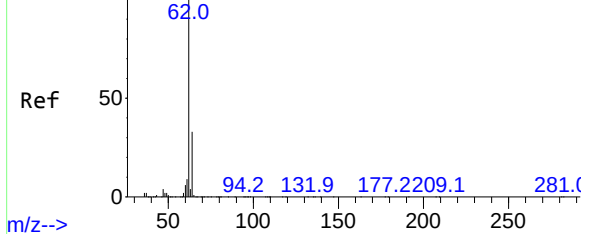
m/z-->

Abundance Scan 48 (2.113 min): VY007899.D\data.ms (-1)



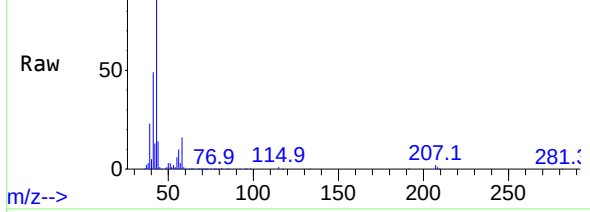
m/z-->

Abundance Scan 71 (2.253 min): VY007871.D\data.ms (-64)



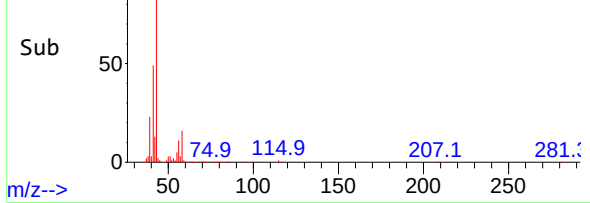
m/z-->

Abundance Scan 70 (2.247 min): VY007899.D\data.ms



m/z-->

Abundance Scan 70 (2.247 min): VY007899.D\data.ms (-22)



m/z-->

#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007899.D

Acq: 18 Mar 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :

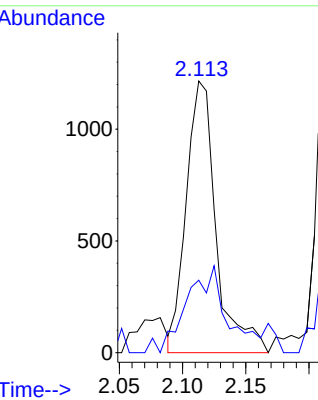
CG-B3-030722-0-1

Tgt Ion: 50 Resp: 2002

Ion Ratio Lower Upper

50 100

52 18.7 24.6 37.0#



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.247 min Scan# 70

Delta R.T. -0.007 min

Lab File: VY007899.D

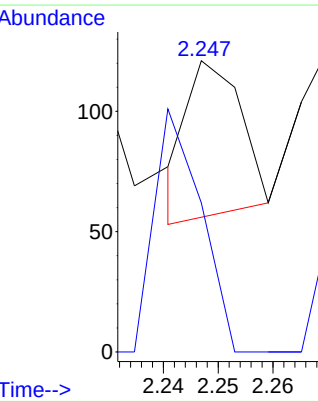
Acq: 18 Mar 2022 14:00

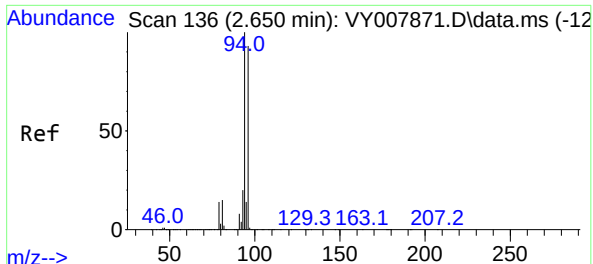
Tgt Ion: 62 Resp: 44

Ion Ratio Lower Upper

62 100

64 105.1 25.0 37.6#

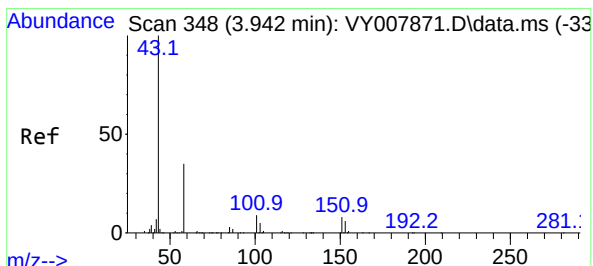
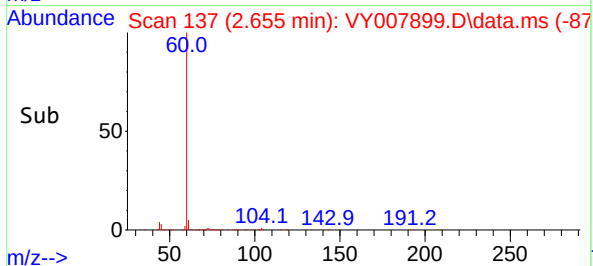
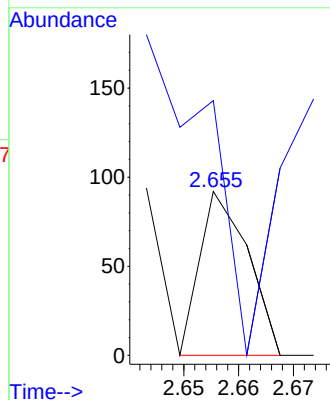
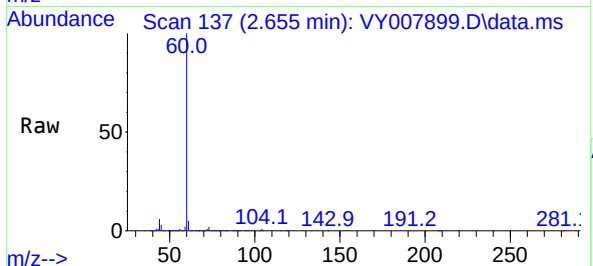




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

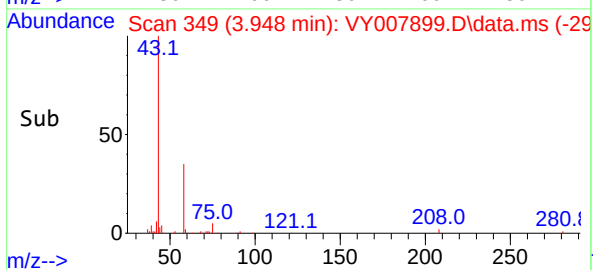
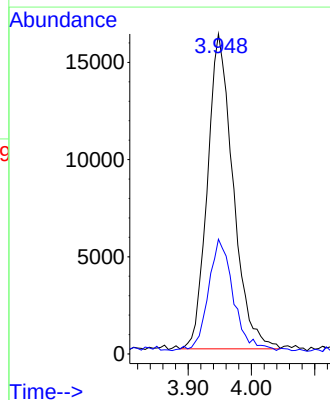
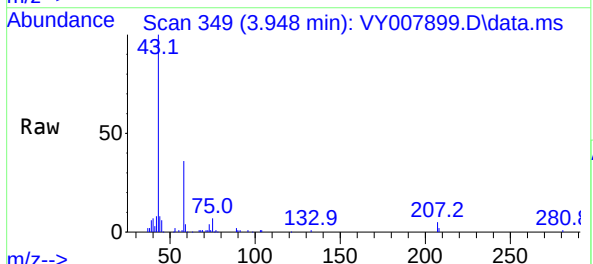
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

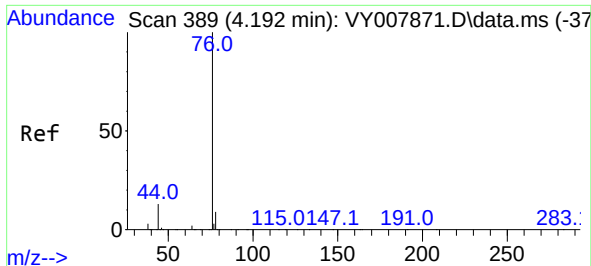
Tgt Ion: 94 Resp: 56
Ion Ratio Lower Upper
94 100
96 41.3 73.5 110.3#



#16
Acetone
Concen: 52.173 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 43 Resp: 45696
Ion Ratio Lower Upper
43 100
58 34.9 22.0 33.0#

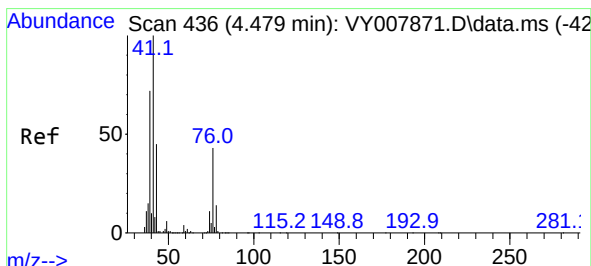
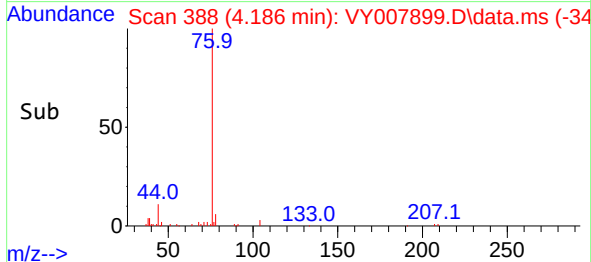
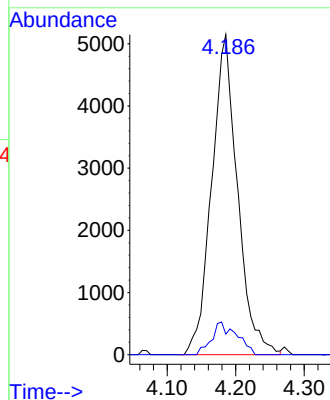
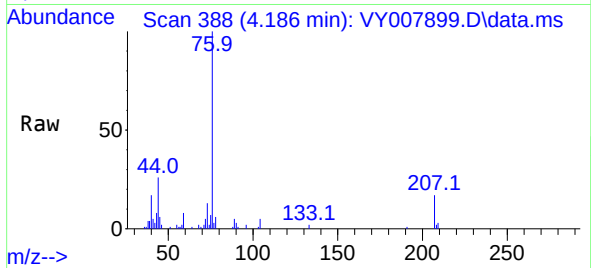




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

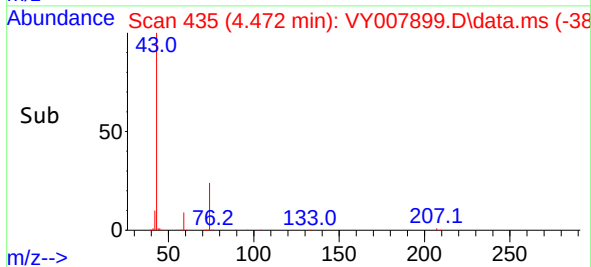
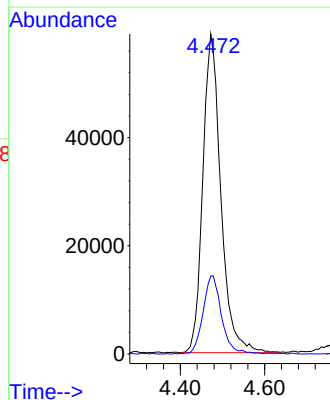
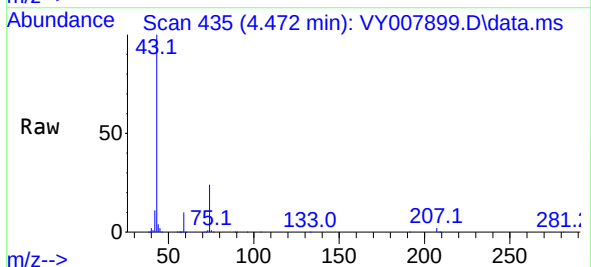
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

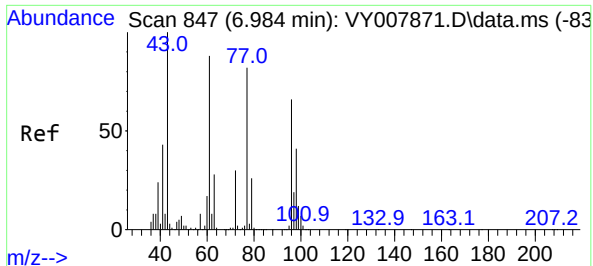
Tgt Ion: 76 Resp: 13499
Ion Ratio Lower Upper
76 100
78 6.4 7.4 11.0#



#18
Methyl Acetate
Concen: 88.635 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 43 Resp: 175460
Ion Ratio Lower Upper
43 100
74 25.0 16.6 24.8#

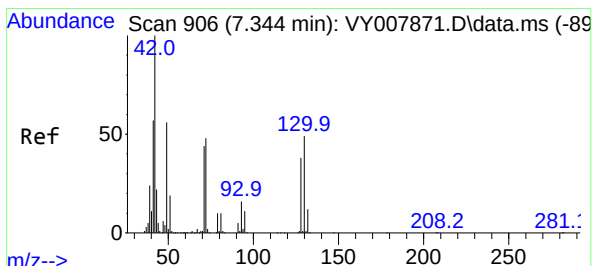
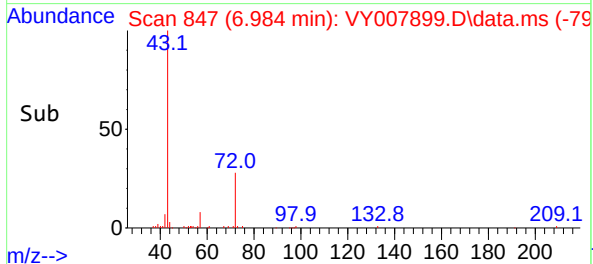
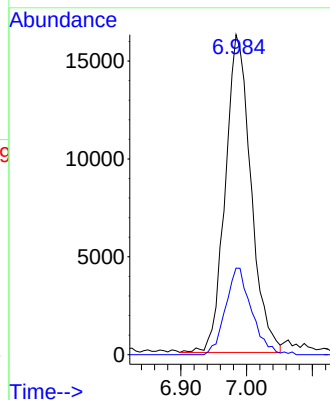
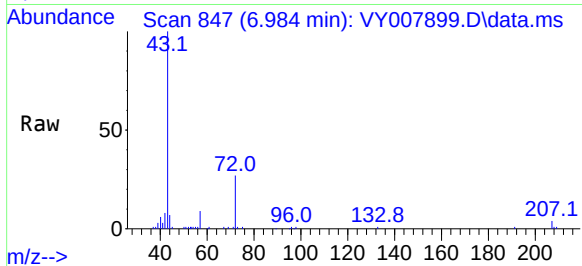




#25
2-Butanone
Concen: 31.348 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

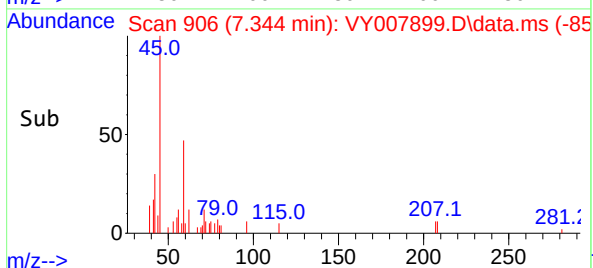
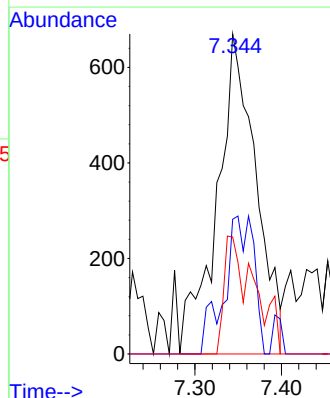
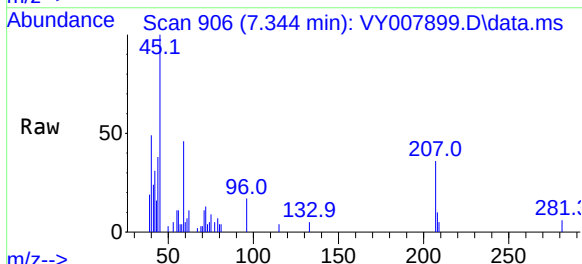
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

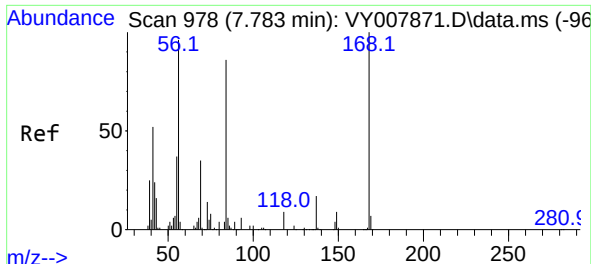
Tgt Ion: 43 Resp: 43979
Ion Ratio Lower Upper
43 100
72 27.2 17.7 26.5#



#29
Tetrahydrofuran
Concen: 2.338 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

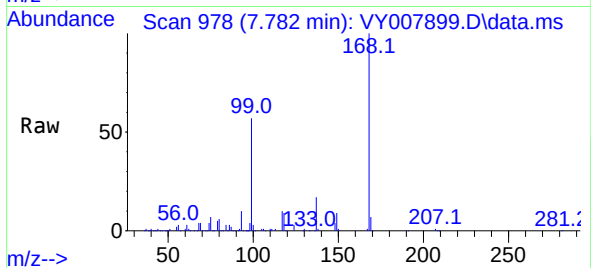
Tgt Ion: 42 Resp: 2102
Ion Ratio Lower Upper
42 100
72 28.1 30.3 45.5#
71 15.3 29.0 43.4#



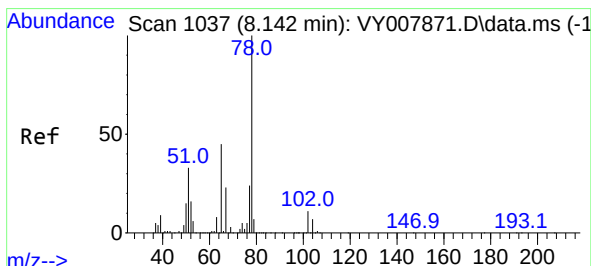
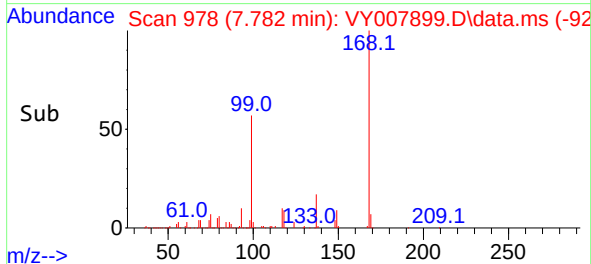
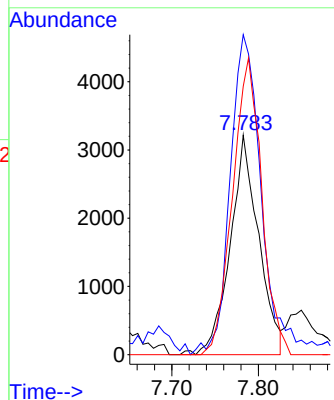


#31
Cyclohexane
Concen: Below Cal
RT: 7.782 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

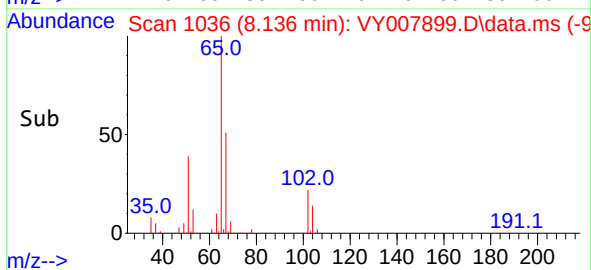
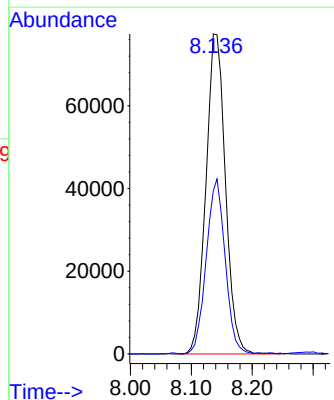
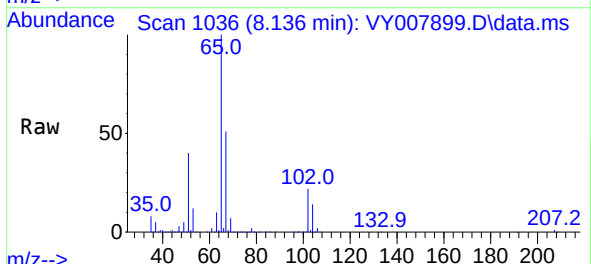


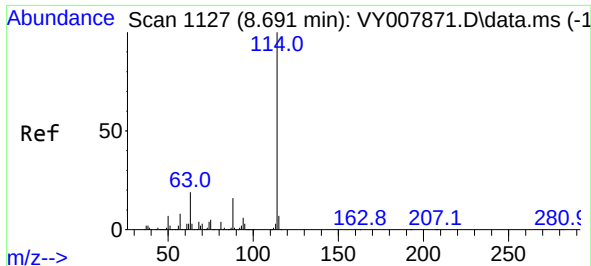
Tgt Ion: 56 Resp: 7353
Ion Ratio Lower Upper
56 100
69 144.0 26.7 40.1#
84 122.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.078 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 65 Resp: 171939
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007899.D

Acq: 18 Mar 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :

CG-B3-030722-0-1

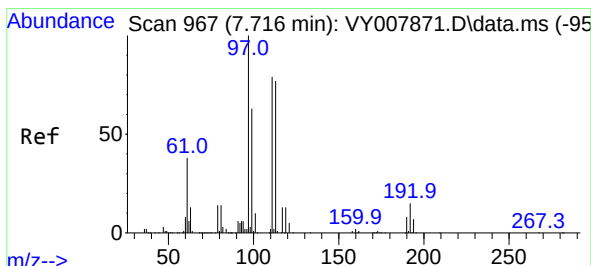
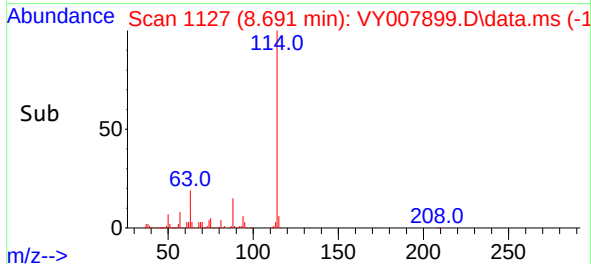
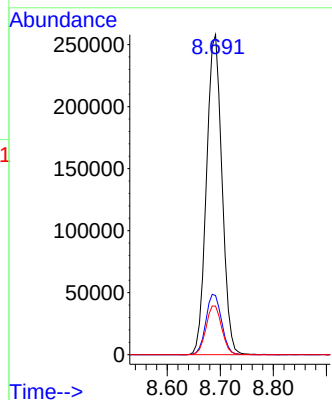
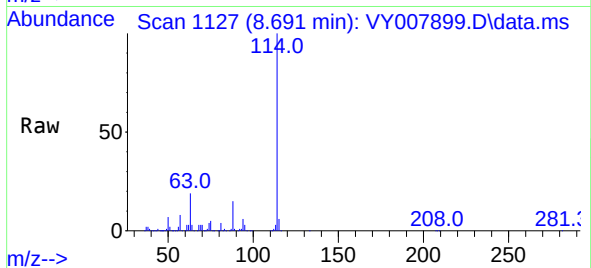
Tgt Ion:114 Resp: 522144

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.023 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007899.D

Acq: 18 Mar 2022 14:00

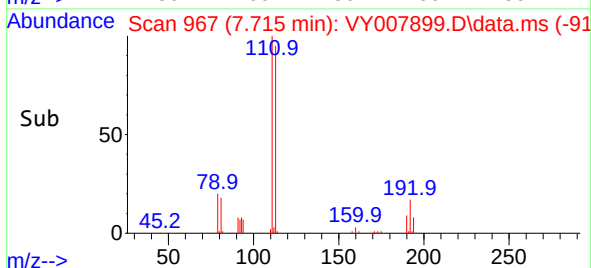
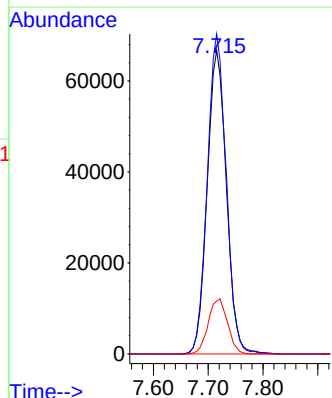
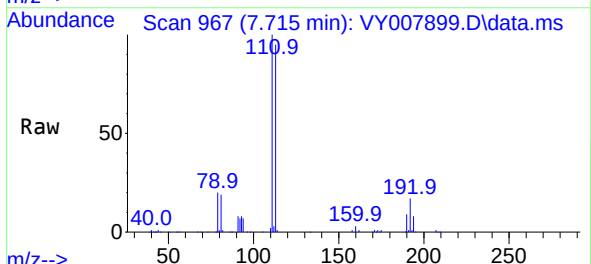
Tgt Ion:113 Resp: 161430

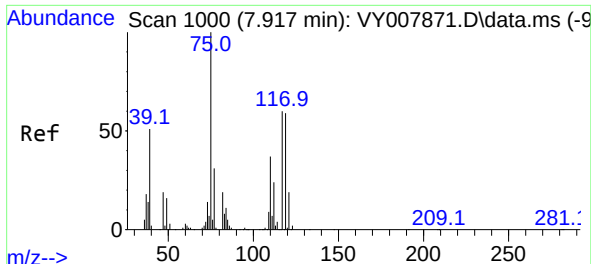
Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 18.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.199 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007899.D

Acq: 18 Mar 2022 14:00

Instrument :

MSVOA_Y

ClientSampleId :

CG-B3-030722-0-1

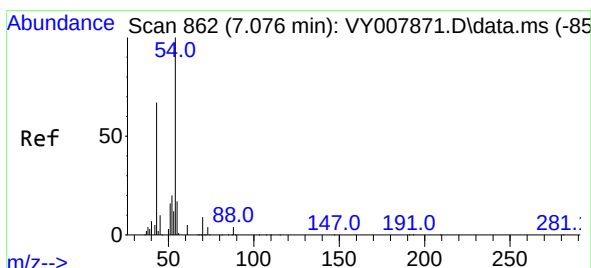
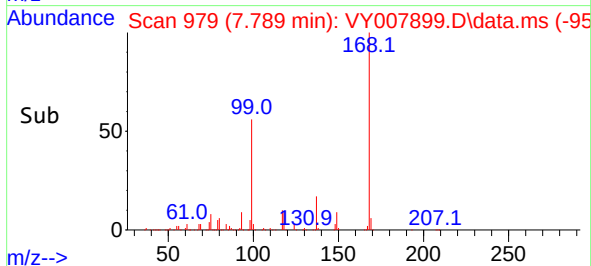
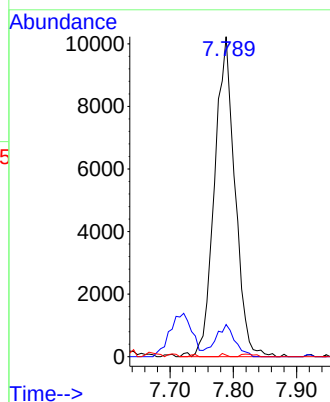
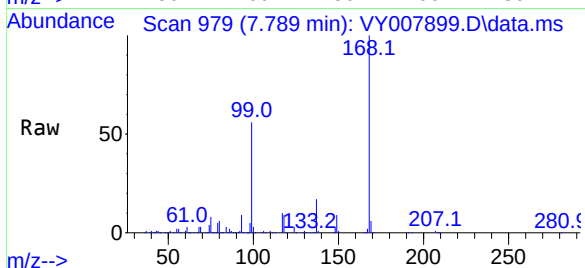
Tgt Ion: 75 Resp: 22836

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 13.252 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY007899.D

Acq: 18 Mar 2022 14:00

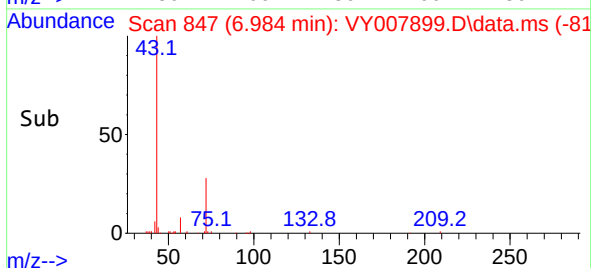
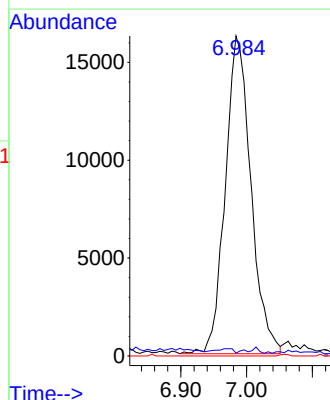
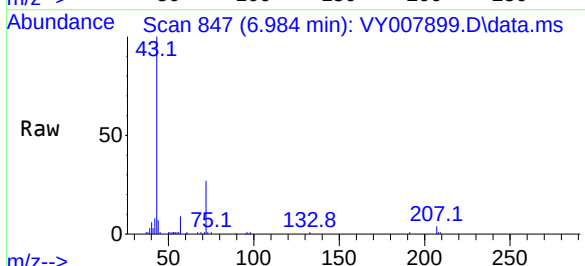
Tgt Ion: 43 Resp: 43979

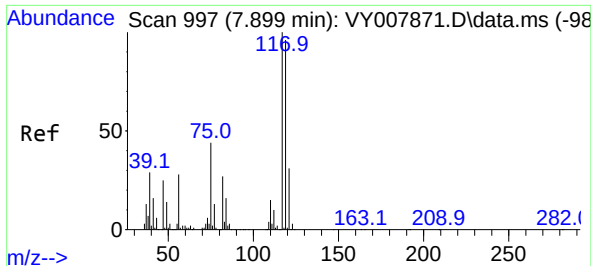
Ion Ratio Lower Upper

43 100

61 0.9 9.7 14.5#

70 0.0 7.1 10.7#

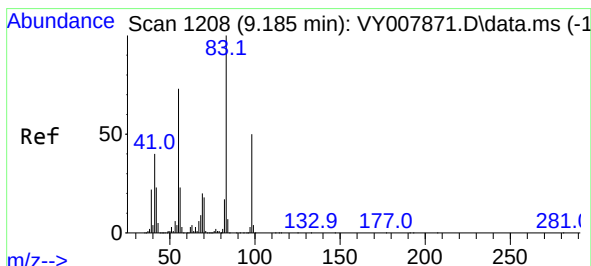
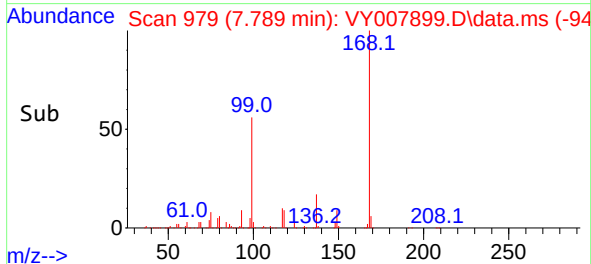
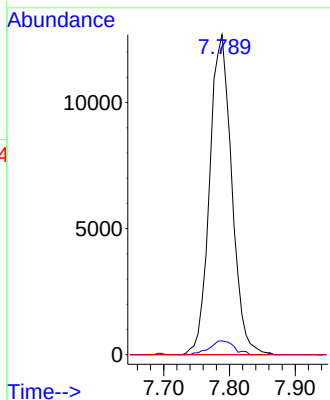
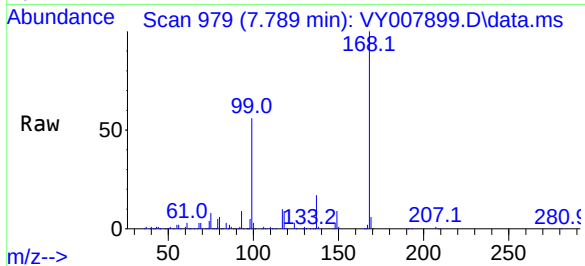




#38
Carbon Tetrachloride
Concen: 5.112 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

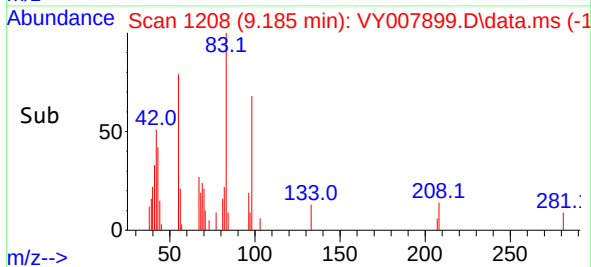
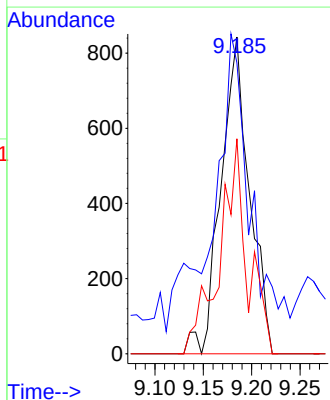
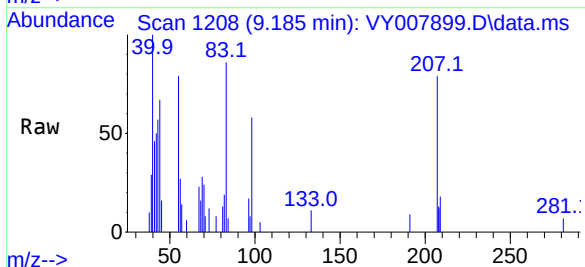
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

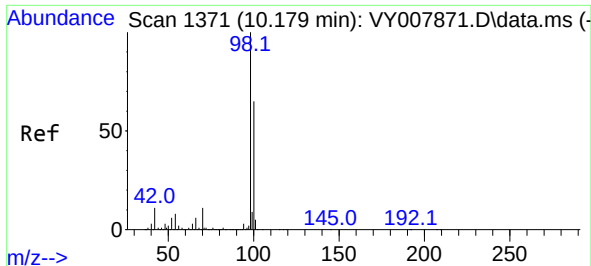
Tgt Ion:117 Resp: 29711
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 83 Resp: 1730
Ion Ratio Lower Upper
83 100
55 77.7 66.5 99.7
98 67.9 37.9 56.9#

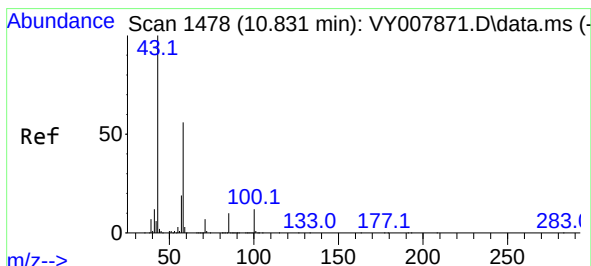
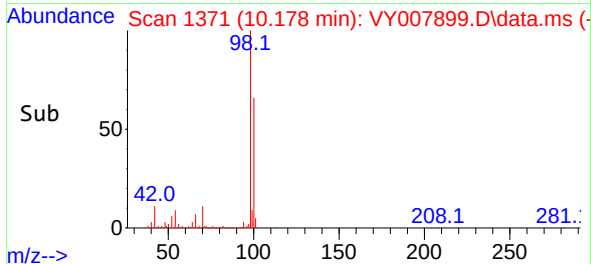
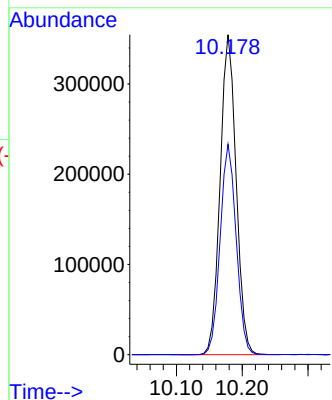
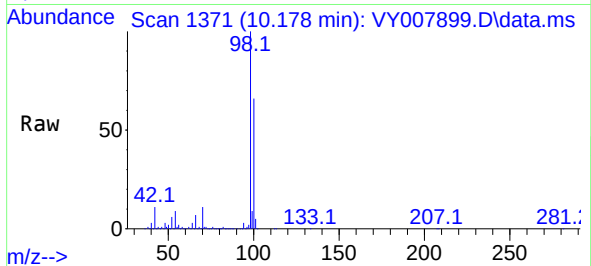




#50
Toluene-d8
Concen: 54.900 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

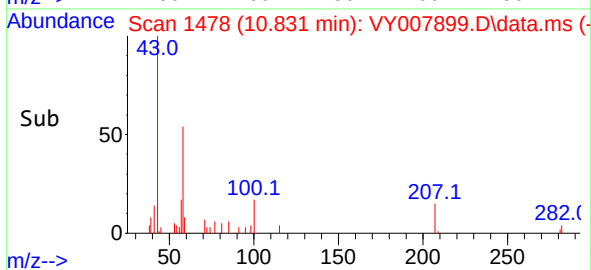
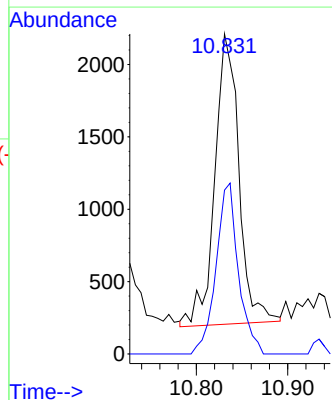
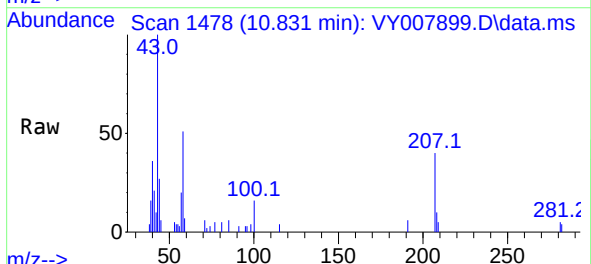
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

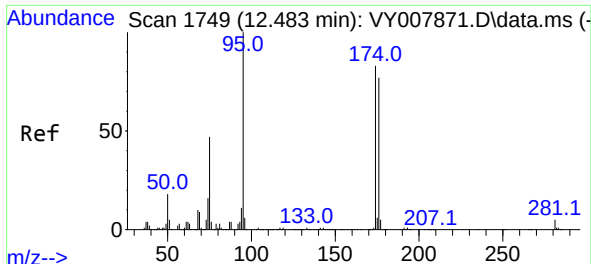
Tgt Ion: 98 Resp: 601388
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#59
2-Hexanone
Concen: 1.527 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 43 Resp: 3682
Ion Ratio Lower Upper
43 100
58 54.5 24.4 73.4

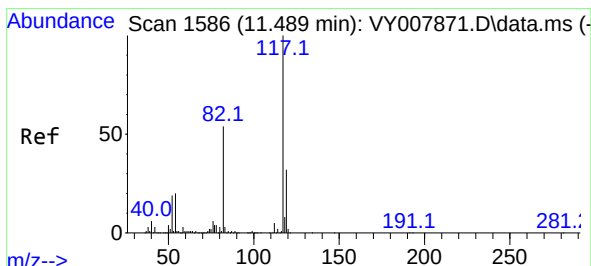
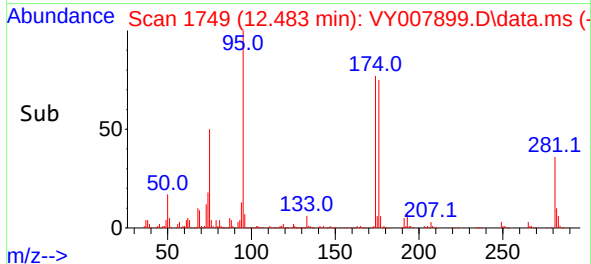
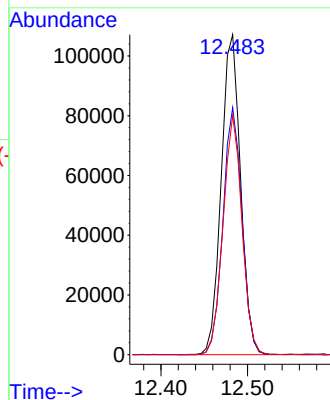
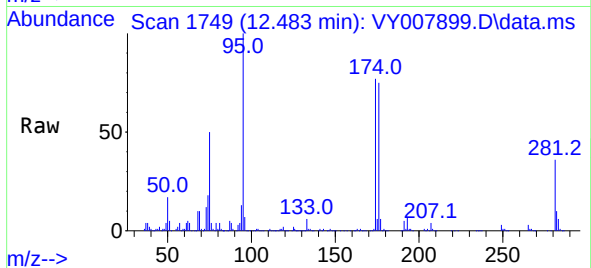




#62
4-Bromofluorobenzene
Concen: 31.578 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

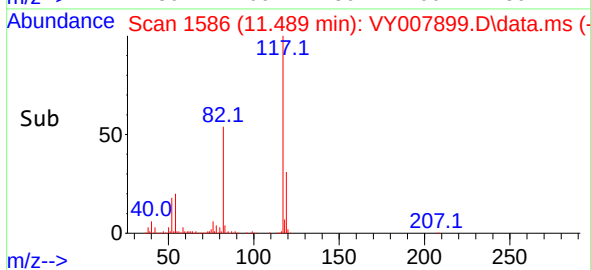
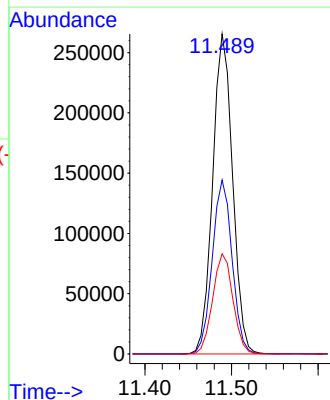
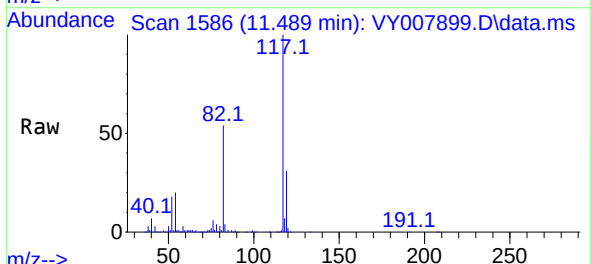
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

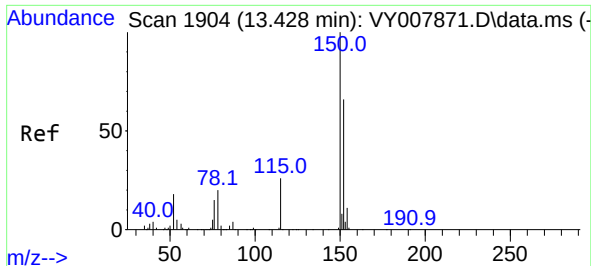
Tgt Ion: 95 Resp: 166191
Ion Ratio Lower Upper
95 100
174 76.1 0.0 177.0
176 73.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Tgt Ion: 117 Resp: 424793
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.3 25.4 38.0

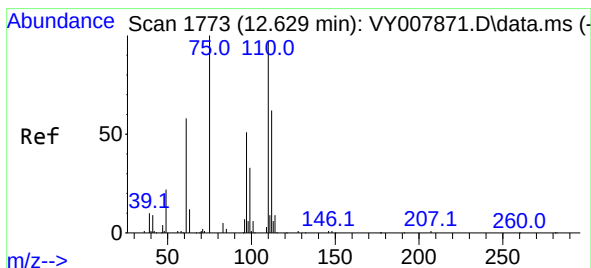
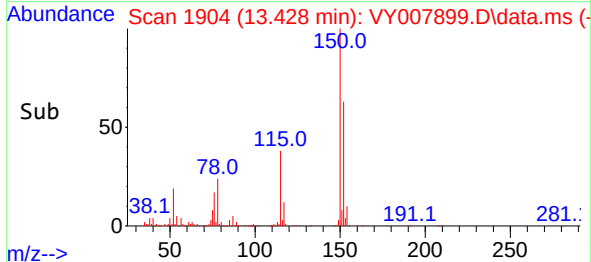
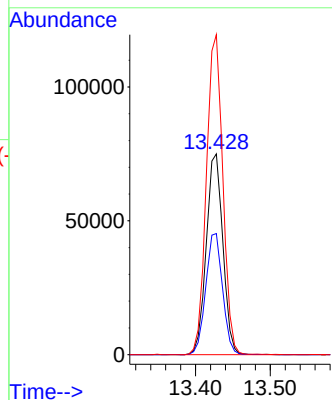
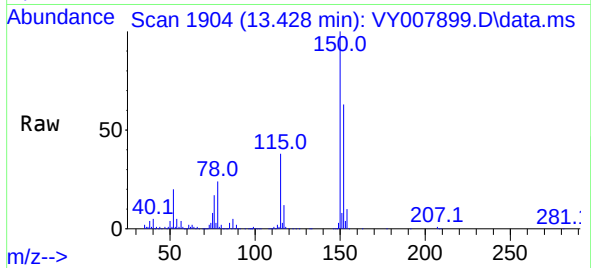




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 115
 Delta R.T. -0.000 min
 Lab File: VY007899.D
 Acq: 18 Mar 2022 14:00

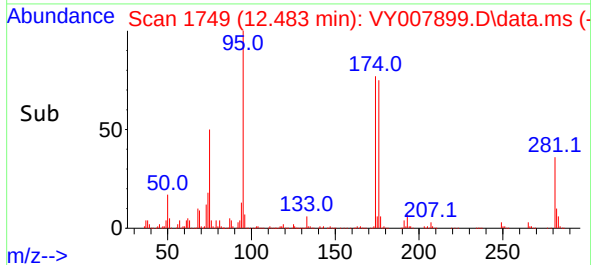
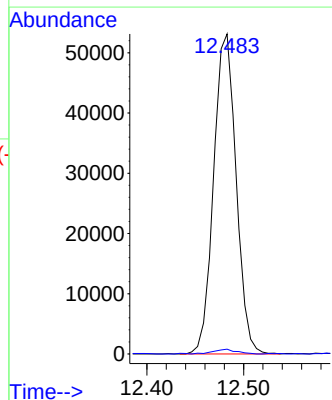
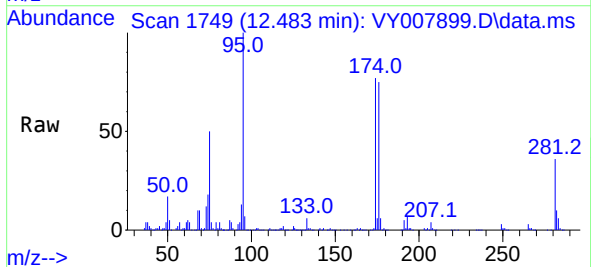
Instrument :
 MSVOA_Y
 ClientSampleId :
 CG-B3-030722-0-1

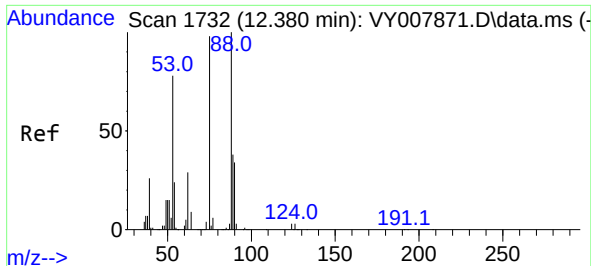
Tgt Ion:152 Resp: 115790
 Ion Ratio Lower Upper
 152 100
 115 61.3 28.2 84.7
 150 157.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.939 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY007899.D
 Acq: 18 Mar 2022 14:00

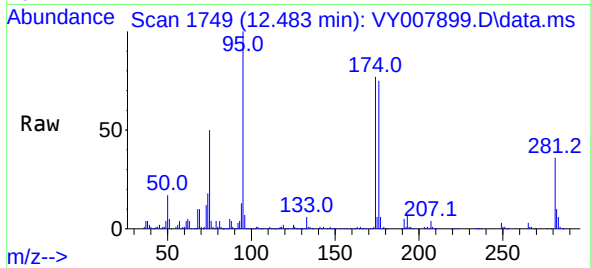
Tgt Ion: 75 Resp: 85720
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 109.093 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007899.D
Acq: 18 Mar 2022 14:00

Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1



Tgt Ion: 75 Resp: 85720
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.8 37.0 55.4#

