

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007849.D
 Acq On : 11 Mar 2022 13:06
 Operator : SY/MD
 Sample : N1847-01
 Misc : 9.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Mar 11 23:21:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

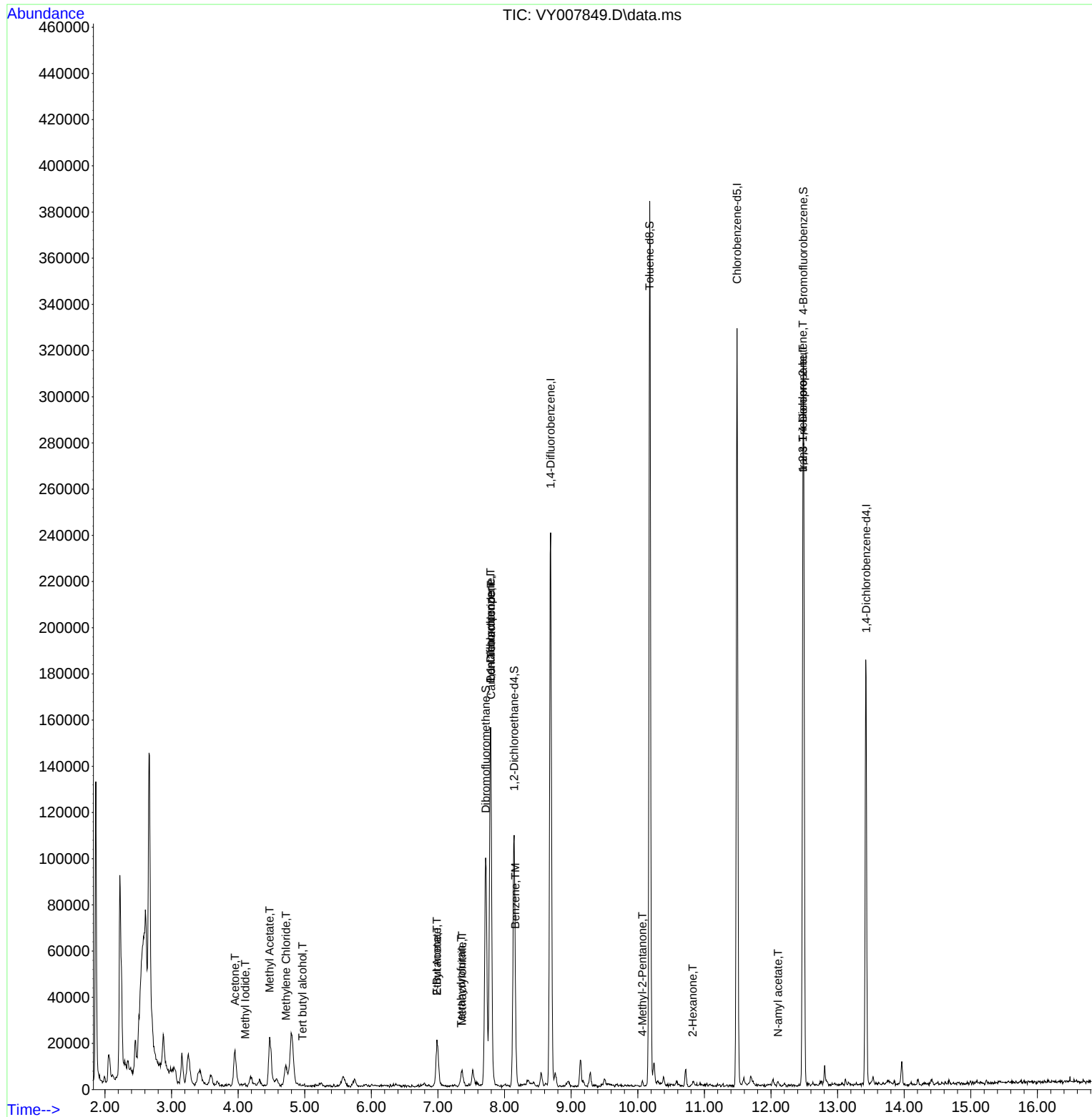
Internal Standards						
1) Pentafluorobenzene	7.789	168	120197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	163110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	44126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	78306	62.229	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.460%			
35) Dibromofluoromethane	7.716	113	68826	54.262	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.520%			
50) Toluene-d8	10.179	98	240063	51.416	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.840%			
62) 4-Bromofluorobenzene	12.483	95	52207	34.688	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 69.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	55	Below Cal	#	43
3) Chloromethane	2.113	50	1252	Below Cal		95
10) Methyl Iodide	4.107	142	1611	1.053	ug/l #	88
11) Tert butyl alcohol	4.966	59	343	3.148	ug/l #	77
13) Acrolein	3.717	56	116	Below Cal	#	14
16) Acetone	3.954	43	22842	89.232	ug/l	98
17) Carbon Disulfide	4.186	76	8562	Below Cal	#	91
18) Methyl Acetate	4.473	43	41405	55.951	ug/l	92
20) Methylene Chloride	4.716	84	6507	1.039	ug/l #	92
25) 2-Butanone	6.984	43	32205	74.997	ug/l #	87
29) Tetrahydrofuran	7.350	42	1065	3.625	ug/l #	78
31) Cyclohexane	7.783	56	3953	Below Cal	#	46
36) 1,1-Dichloropropene	7.789	75	10000	5.012	ug/l #	47
37) Ethyl Acetate	6.984	43	32205	29.222	ug/l #	72
38) Carbon Tetrachloride	7.795	117	12442	5.846	ug/l #	14
40) Benzene	8.161	78	7776	1.400	ug/l #	90
41) Methacrylonitrile	7.362	41	1199	2.277	ug/l #	1
51) 4-Methyl-2-Pentanone	10.069	43	1380	1.265	ug/l #	78
59) 2-Hexanone	10.825	43	1831	2.493	ug/l	100
74) N-amyl acetate	12.105	43	1268	1.386	ug/l #	50
76) 1,2,3-Trichloropropane	12.477	75	32331	65.609	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32331	134.129	ug/l #	8

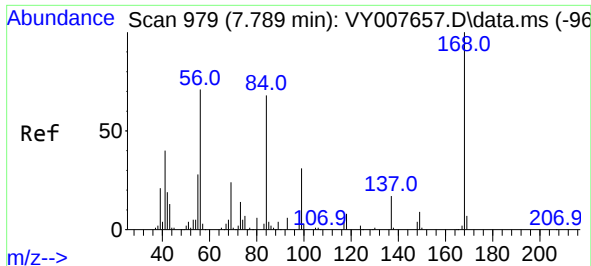
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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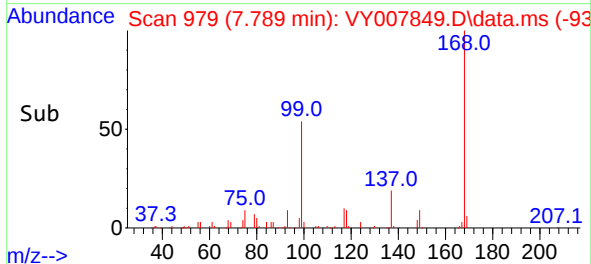
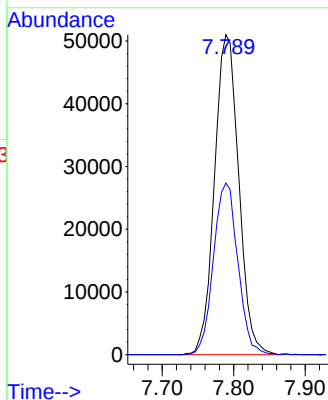
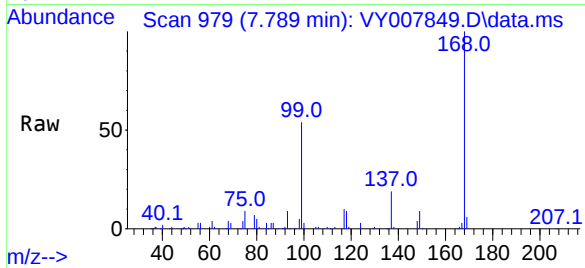




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

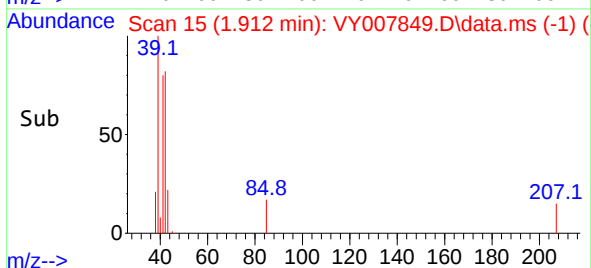
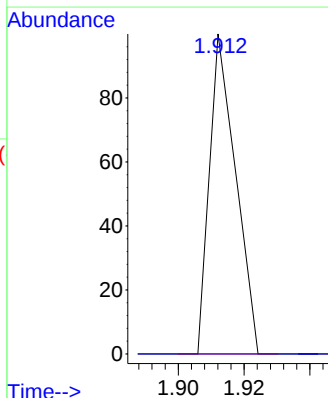
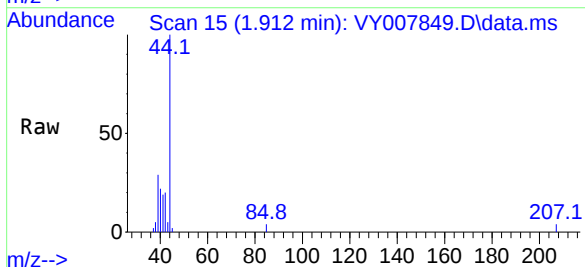
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

Tgt Ion:168 Resp: 120197
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3

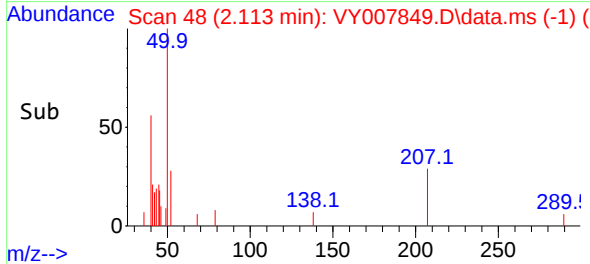
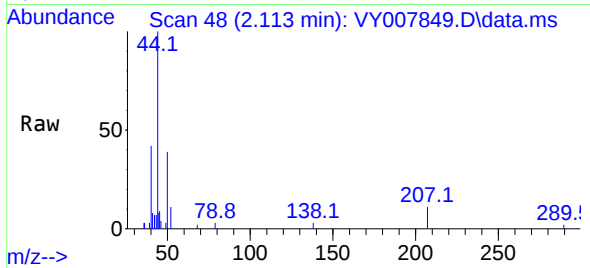
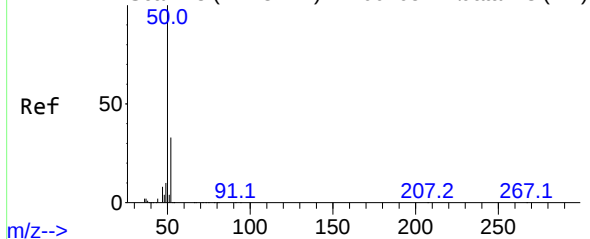


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

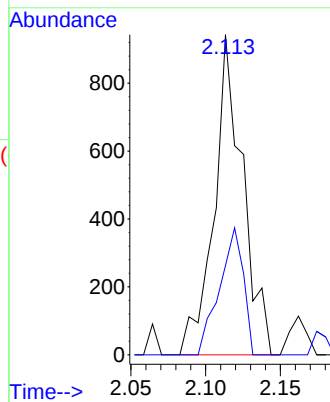
CG-B3-030722-0-1

Tgt Ion: 50 Resp: 1252

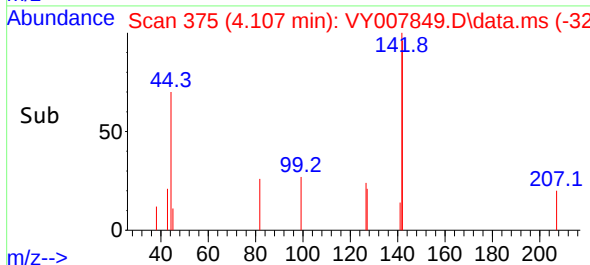
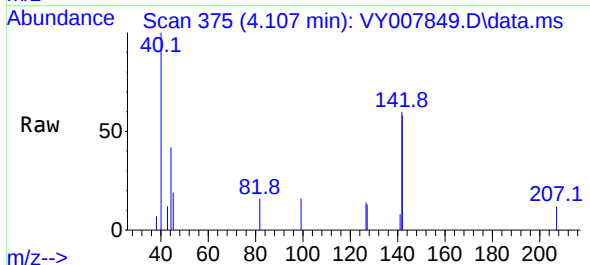
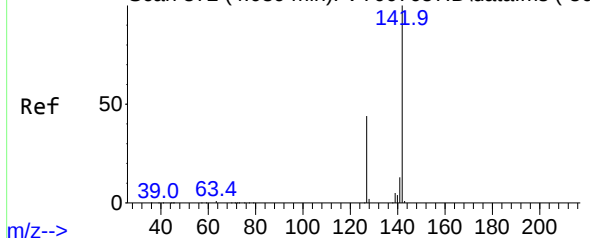
Ion Ratio Lower Upper

50 100

52 27.9 24.6 37.0



Abundance Scan 372 (4.089 min): VY007657.D\data.ms (-36)



#10

Methyl Iodide

Concen: 1.053 ug/l

RT: 4.107 min Scan# 375

Delta R.T. 0.018 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

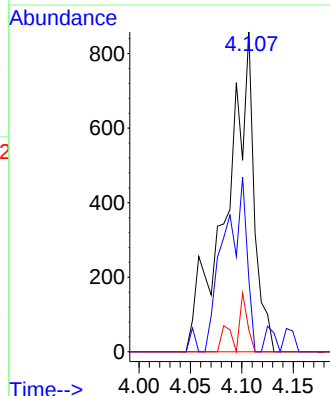
Tgt Ion:142 Resp: 1611

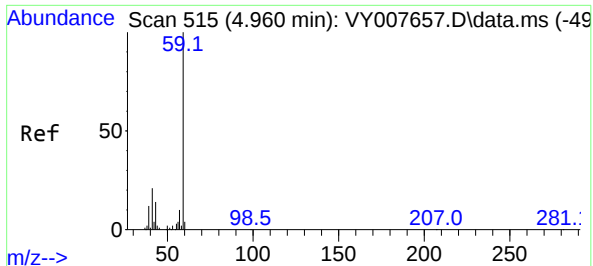
Ion Ratio Lower Upper

142 100

127 44.1 41.5 62.3

141 7.9 11.9 17.9#





#11

Tert butyl alcohol

Concen: 3.148 ug/l

RT: 4.966 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

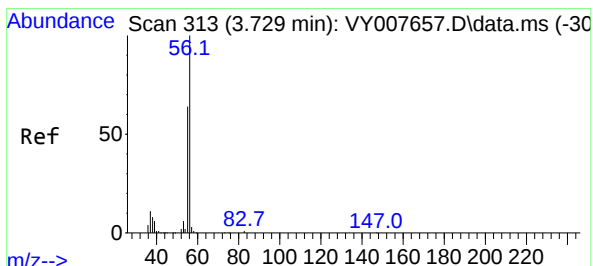
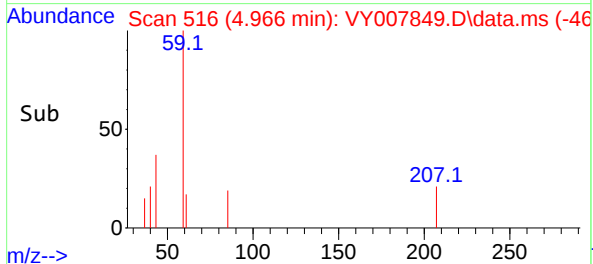
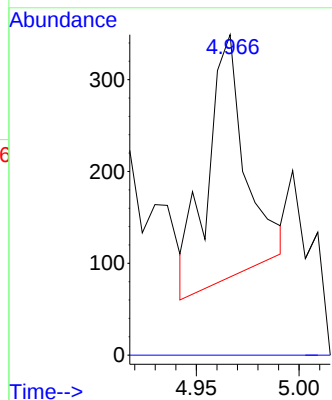
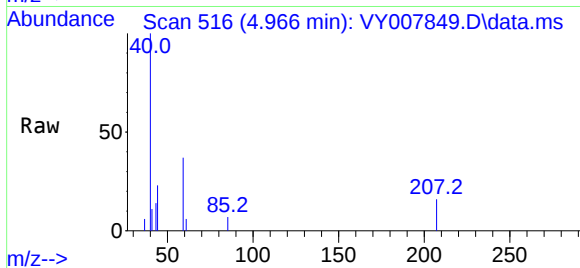
CG-B3-030722-0-1

Tgt Ion: 59 Resp: 343

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: Below Cal

RT: 3.717 min Scan# 311

Delta R.T. -0.012 min

Lab File: VY007849.D

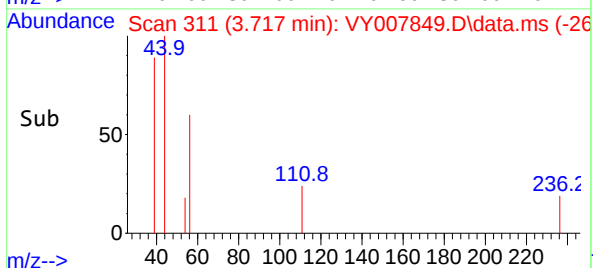
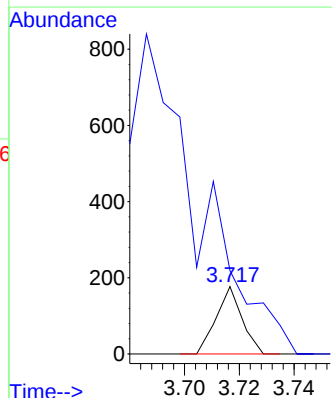
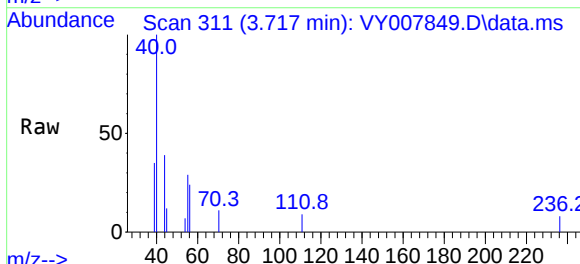
Acq: 11 Mar 2022 13:06

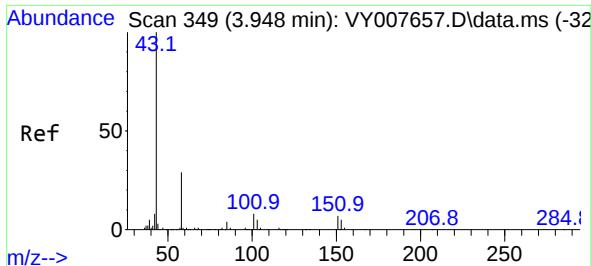
Tgt Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

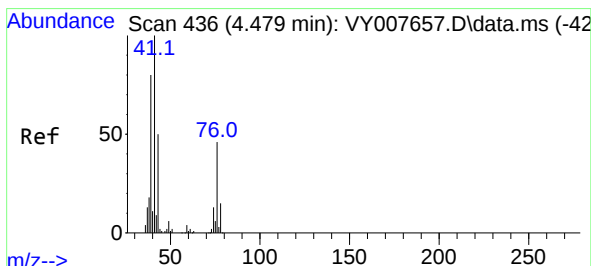
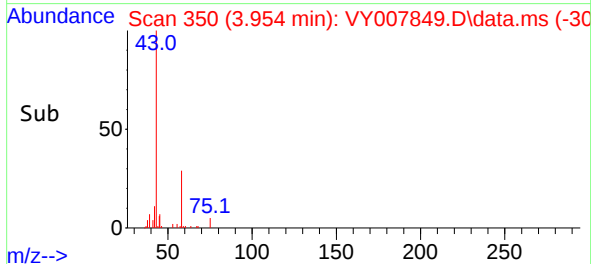
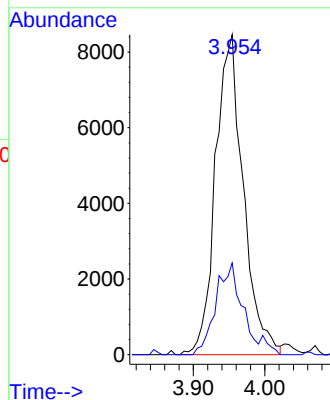
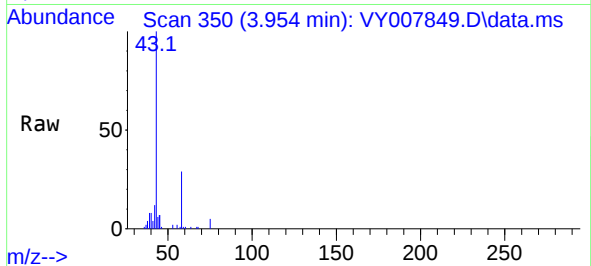




#16
Acetone
Concen: 89.232 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

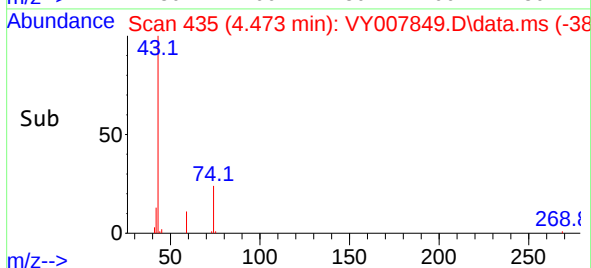
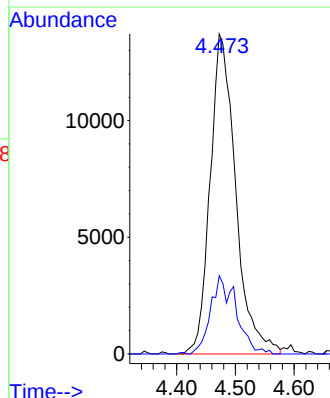
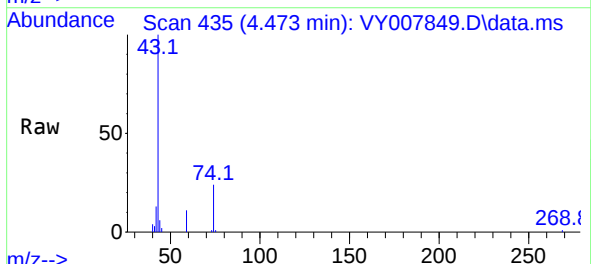
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

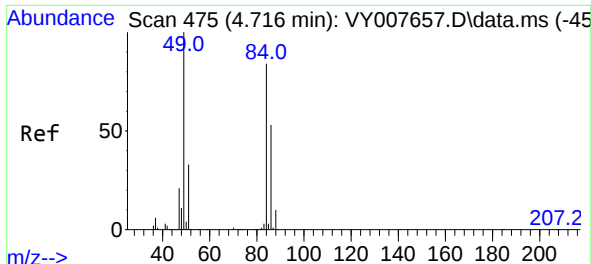
Tgt Ion: 43 Resp: 22842
Ion Ratio Lower Upper
43 100
58 28.6 22.0 33.0



#18
Methyl Acetate
Concen: 55.951 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 43 Resp: 41405
Ion Ratio Lower Upper
43 100
74 24.6 16.6 24.8



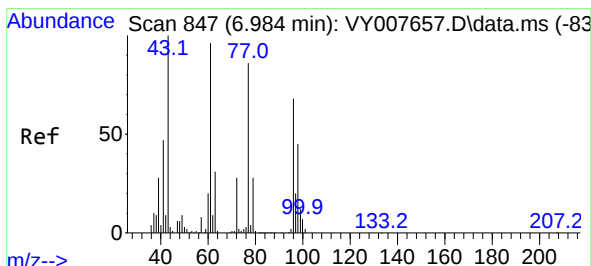
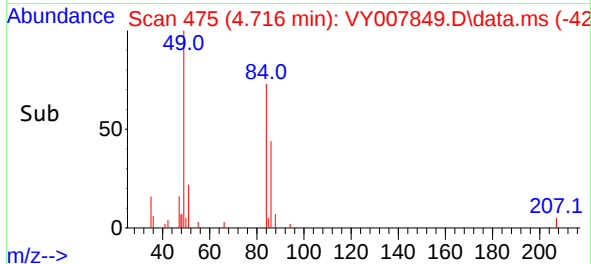
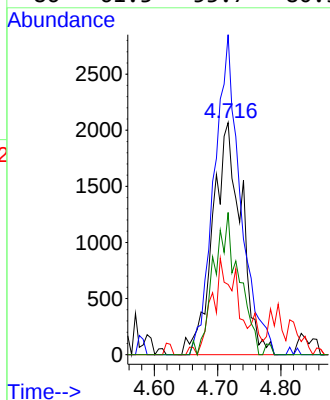
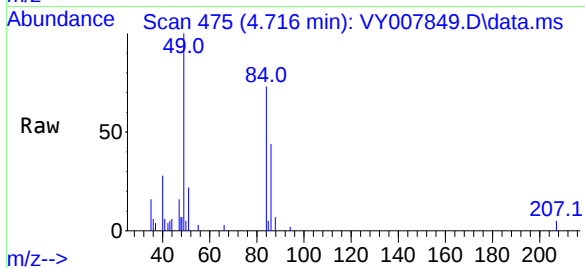


#20
Methylene Chloride
Concen: 1.039 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

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

Tgt Ion: 84 Resp: 6507

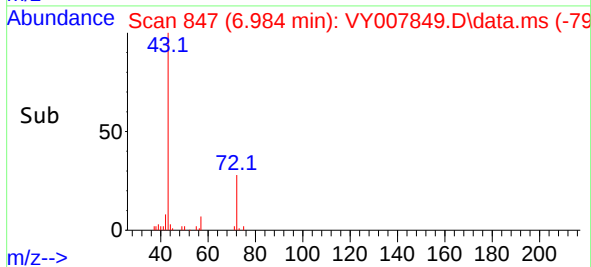
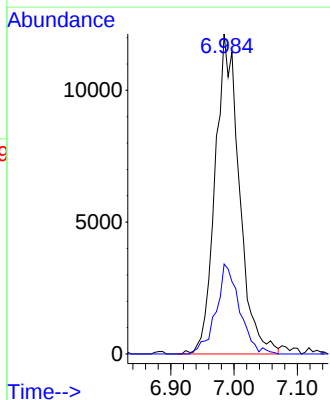
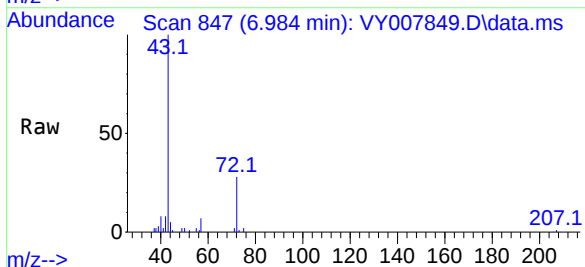
Ion	Ratio	Lower	Upper
84	100		
49	137.9	114.4	171.6
51	30.3	35.3	52.9#
86	61.3	53.7	80.5

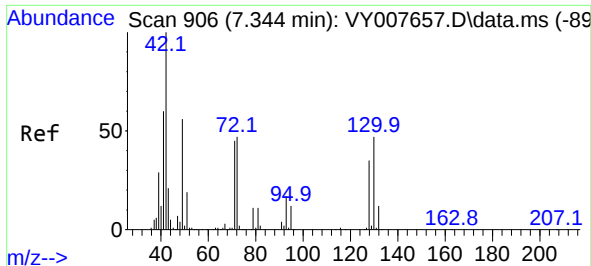


#25
2-Butanone
Concen: 74.997 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 43 Resp: 32205

Ion	Ratio	Lower	Upper
43	100		
72	28.1	17.7	26.5#





#29

Tetrahydrofuran

Concen: 3.625 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY007849.D

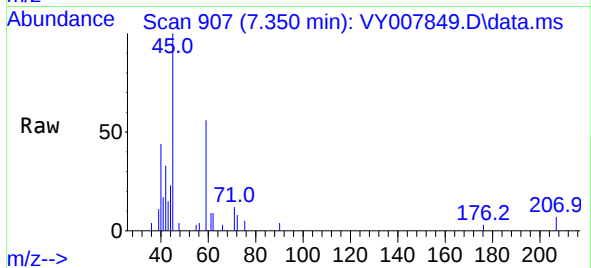
Acq: 11 Mar 2022 13:06

Instrument :

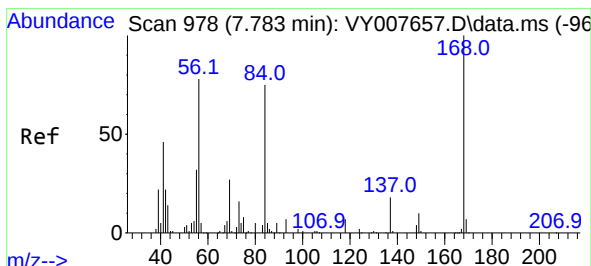
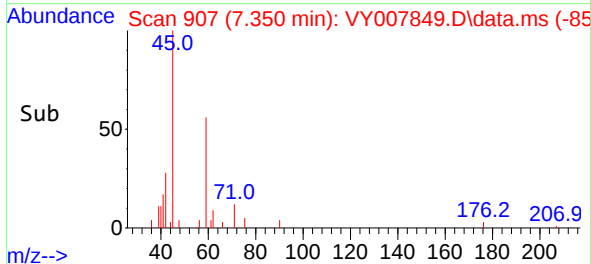
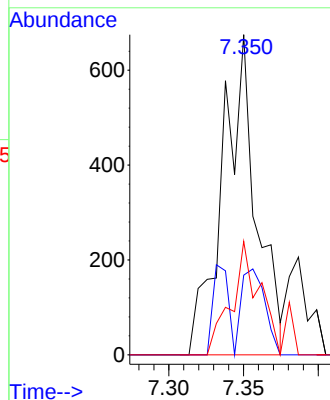
MSVOA_Y

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CG-B3-030722-0-1



Tgt Ion:	42	Resp:	1065
Ion	Ratio	Lower	Upper
42	100		
72	18.7	30.3	45.5#
71	29.2	29.0	43.4



#31

Cyclohexane

Concen: Below Cal

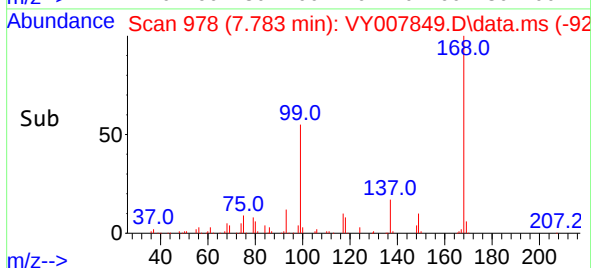
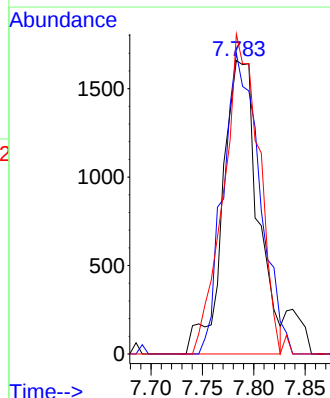
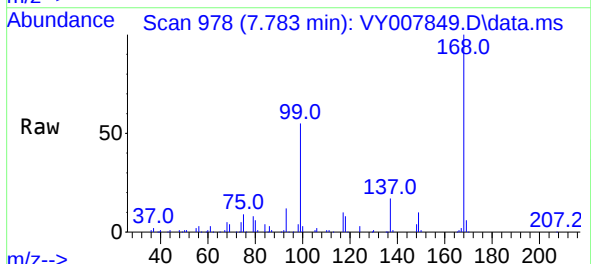
RT: 7.783 min Scan# 978

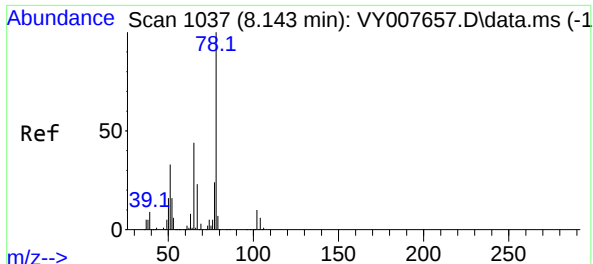
Delta R.T. -0.000 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

Tgt Ion:	56	Resp:	3953
Ion	Ratio	Lower	Upper
56	100		
69	102.5	26.7	40.1#
84	109.0	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.229 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

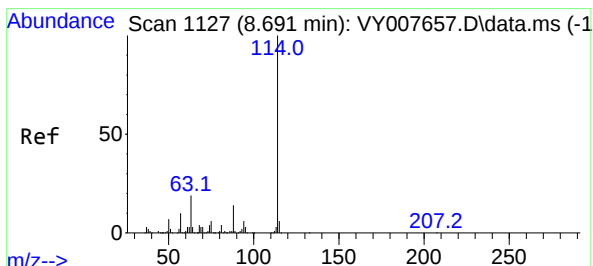
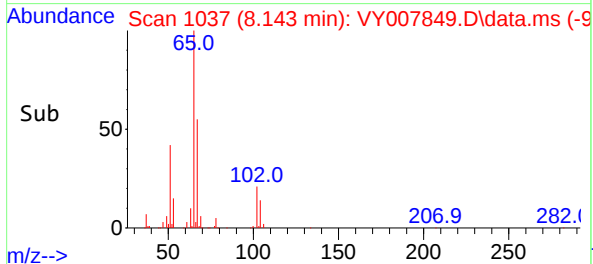
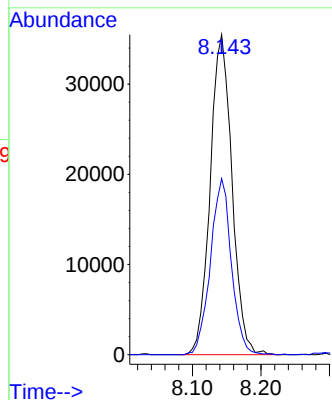
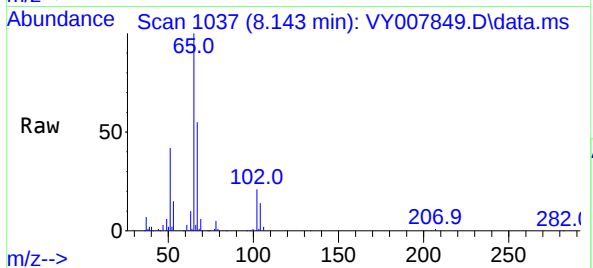
CG-B3-030722-0-1

Tgt Ion: 65 Resp: 78306

Ion Ratio Lower Upper

65 100

67 52.9 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: VY007849.D

Acq: 11 Mar 2022 13:06

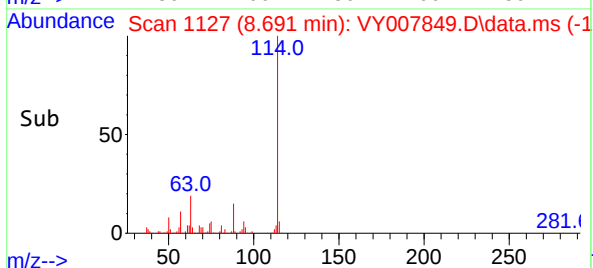
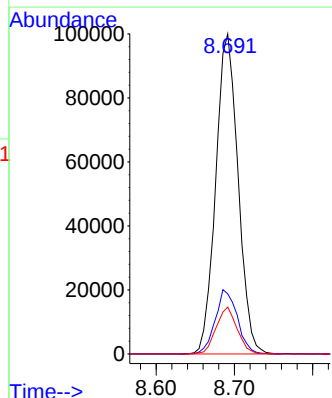
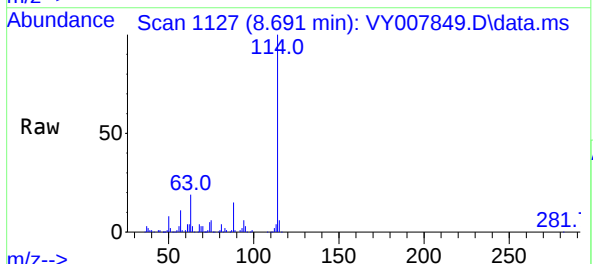
Tgt Ion:114 Resp: 198395

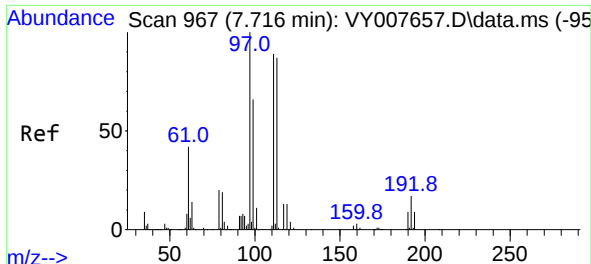
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.7 0.0 31.8

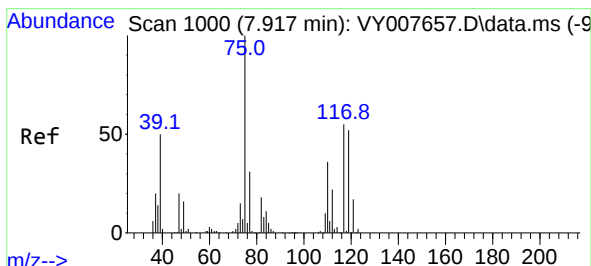
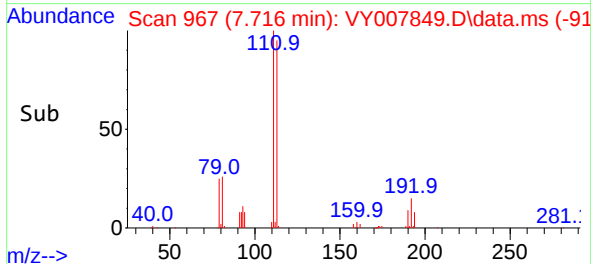
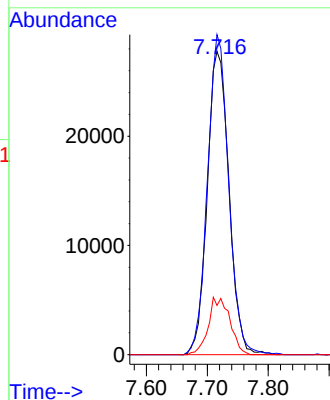
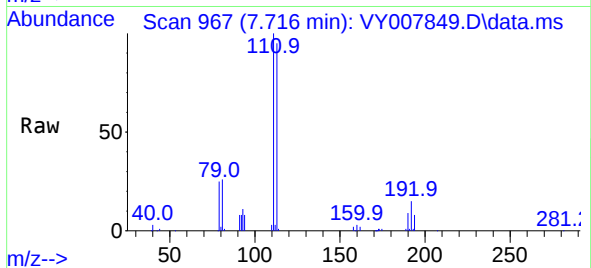




#35
Dibromofluoromethane
Concen: 54.262 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

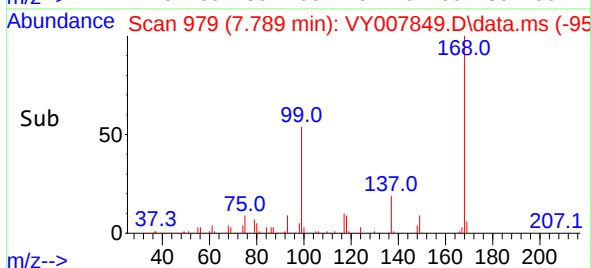
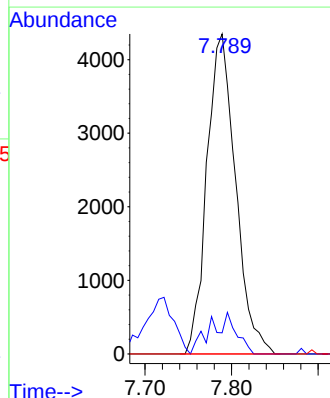
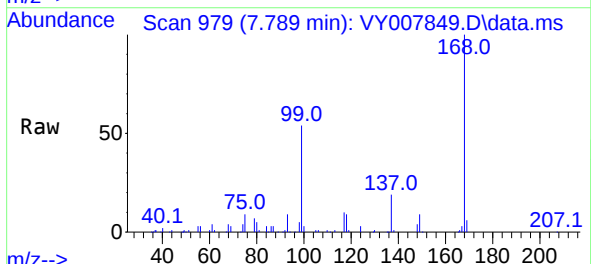
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

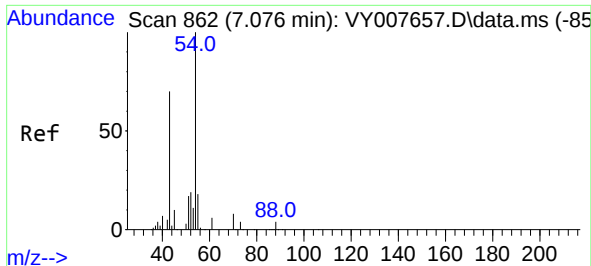
Tgt Ion:113 Resp: 68826
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 75 Resp: 10000
Ion Ratio Lower Upper
75 100
110 5.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 29.222 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

Instrument :

MSVOA_Y

ClientSampleId :

CG-B3-030722-0-1

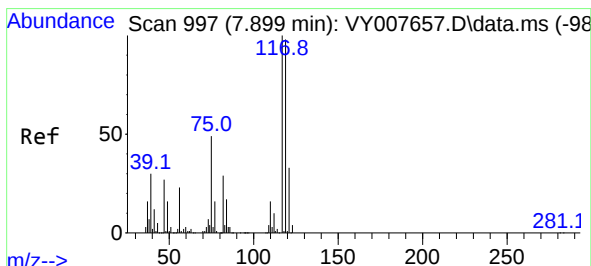
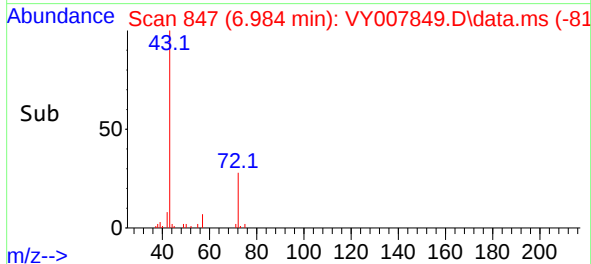
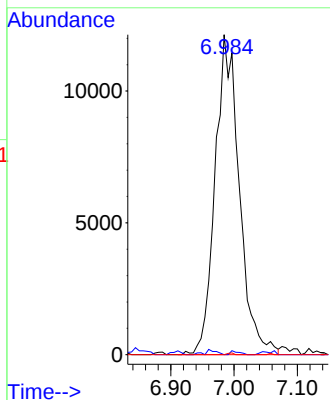
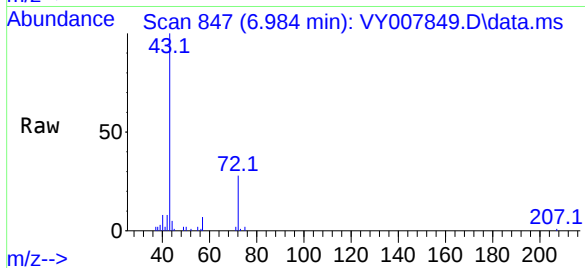
Tgt Ion: 43 Resp: 32205

Ion Ratio Lower Upper

43 100

61 0.4 9.7 14.5#

70 0.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY007849.D

Acq: 11 Mar 2022 13:06

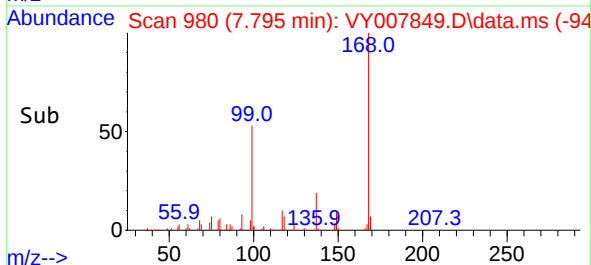
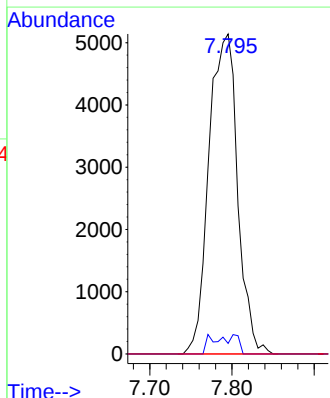
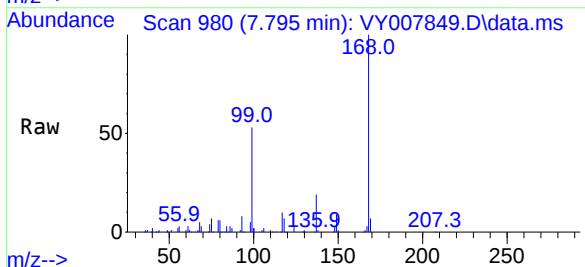
Tgt Ion: 117 Resp: 12442

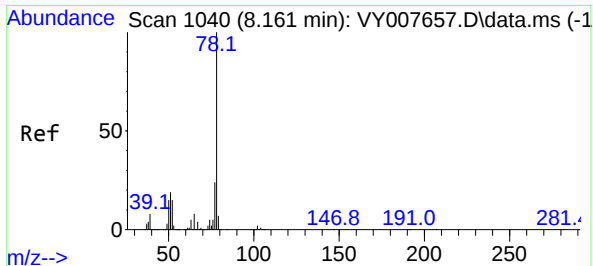
Ion Ratio Lower Upper

117 100

119 3.3 77.9 116.9#

121 0.0 24.8 37.2#

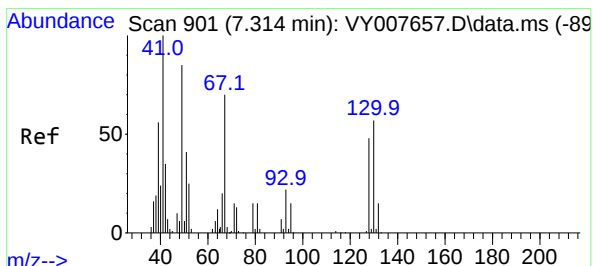
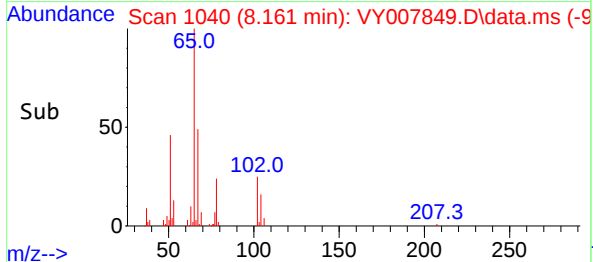
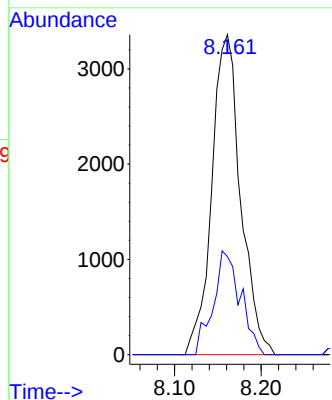
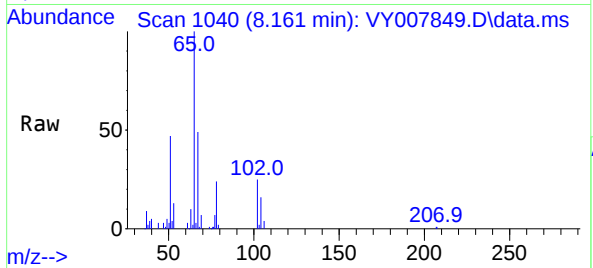




#40
Benzene
Concen: 1.400 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

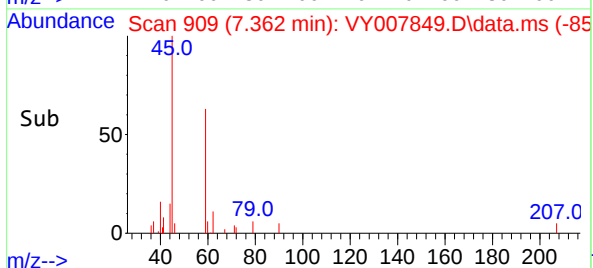
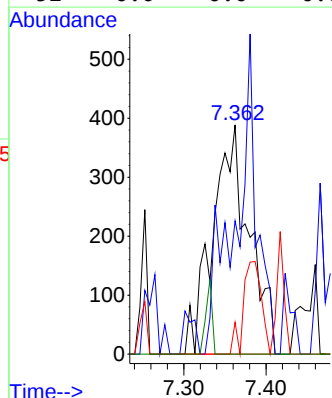
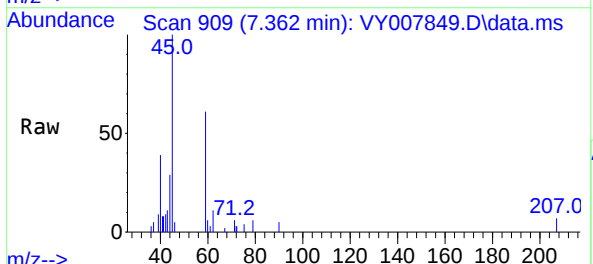
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

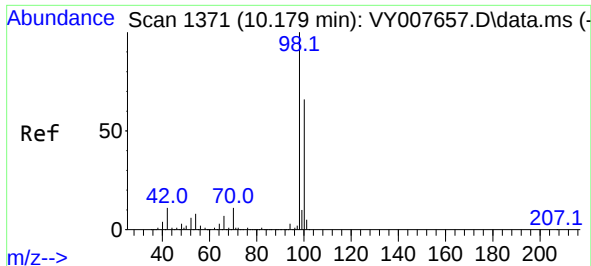
Tgt Ion: 78 Resp: 7776
Ion Ratio Lower Upper
78 100
77 30.7 20.4 30.6#



#41
Methacrylonitrile
Concen: 2.277 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.048 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 41 Resp: 1199
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

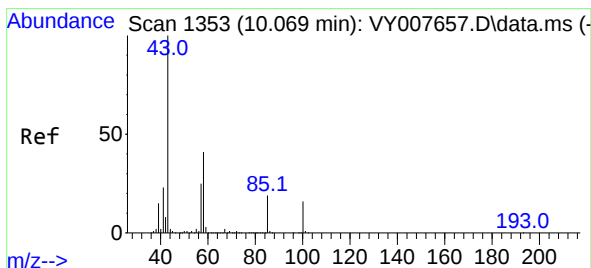
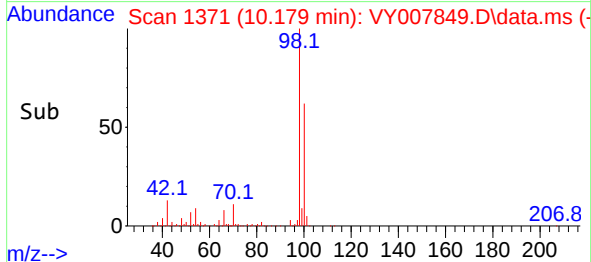
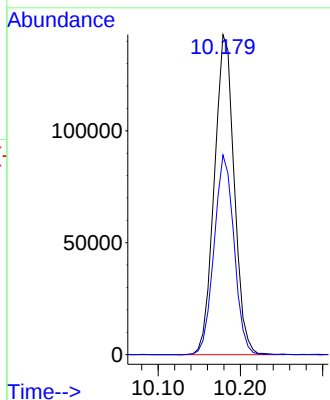
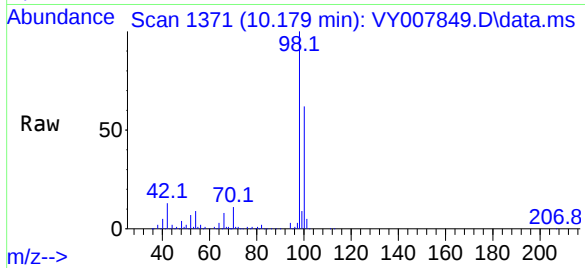




#50
Toluene-d8
Concen: 51.416 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

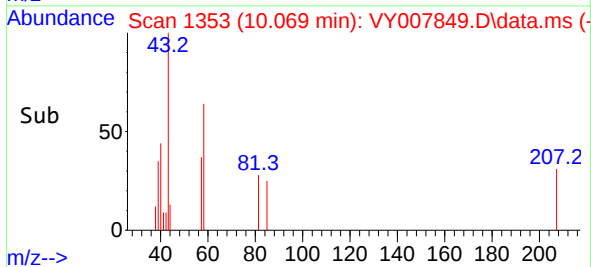
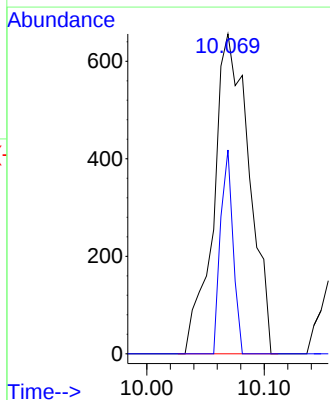
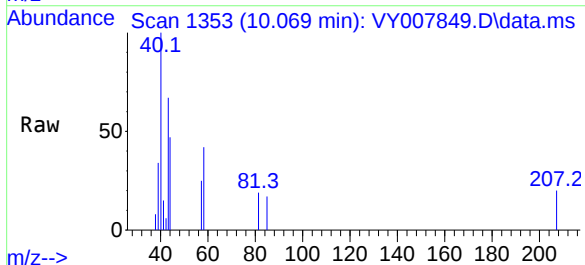
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

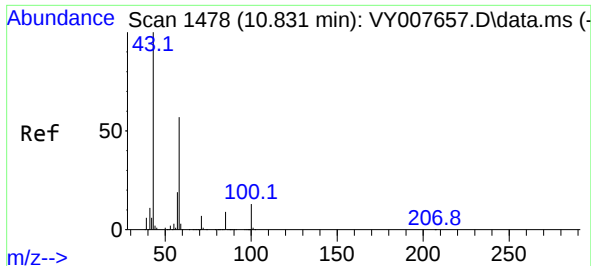
Tgt Ion: 98 Resp: 240063
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
58 22.5 28.1 42.1#

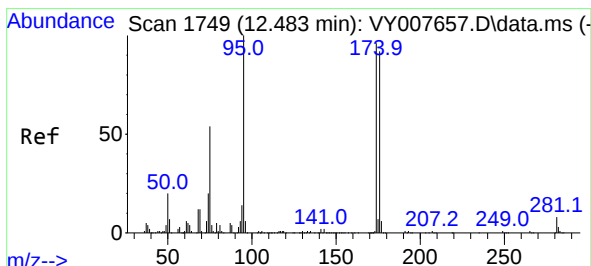
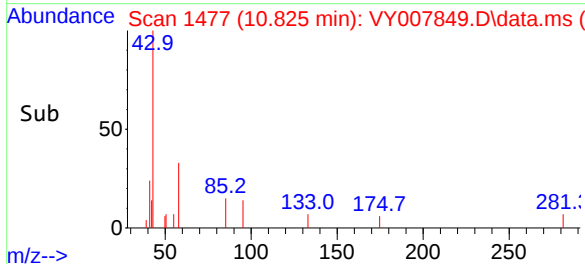
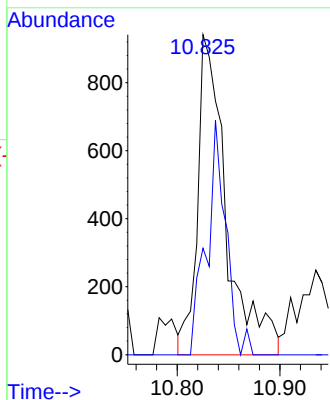
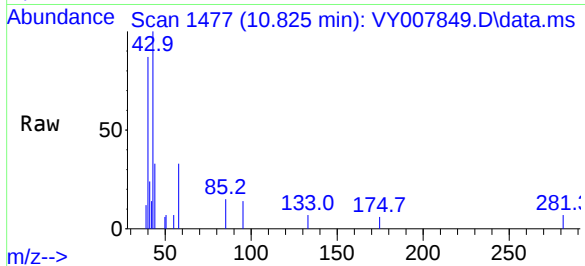




#59
2-Hexanone
Concen: 2.493 ug/l
RT: 10.825 min Scan# 1478
Delta R.T. -0.006 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

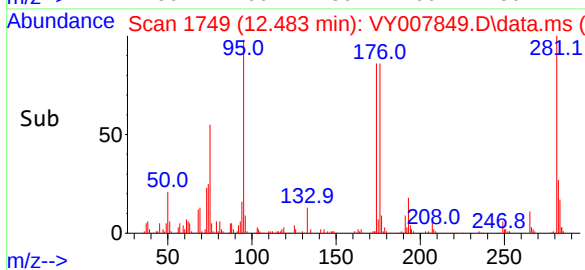
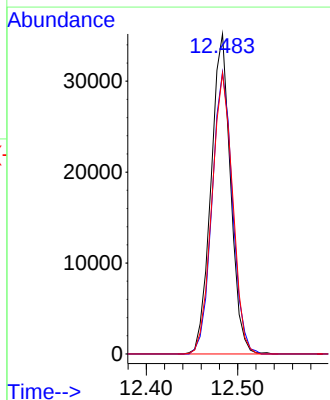
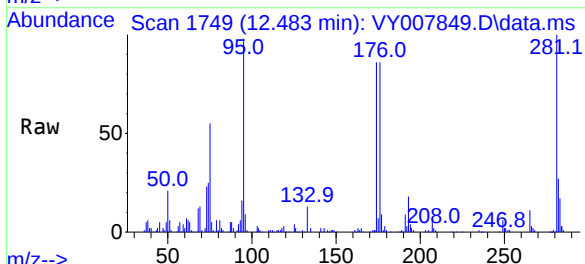
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

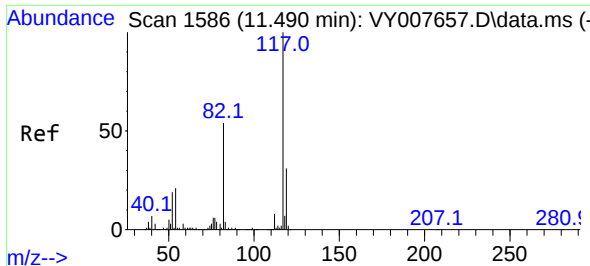
Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
58 49.0 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 34.688 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion: 95 Resp: 52207
Ion Ratio Lower Upper
95 100
174 91.9 0.0 177.0
176 92.9 0.0 175.8

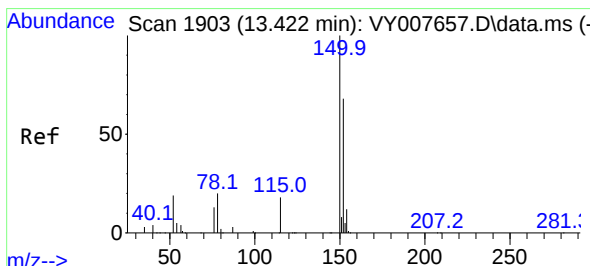
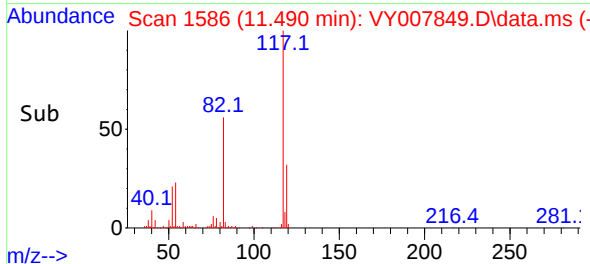
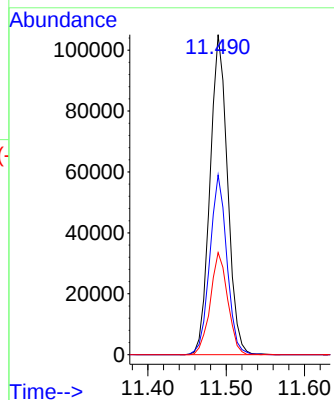
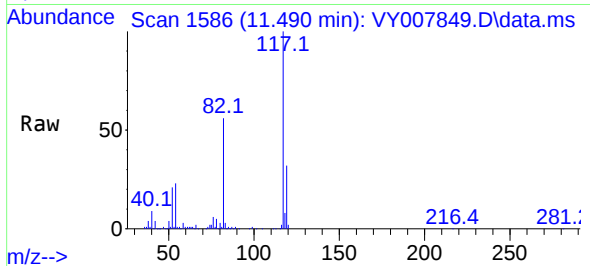




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

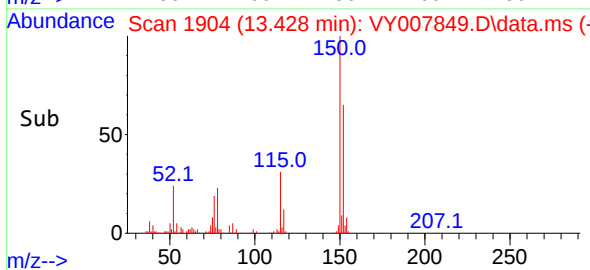
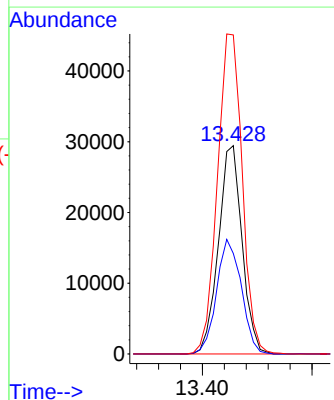
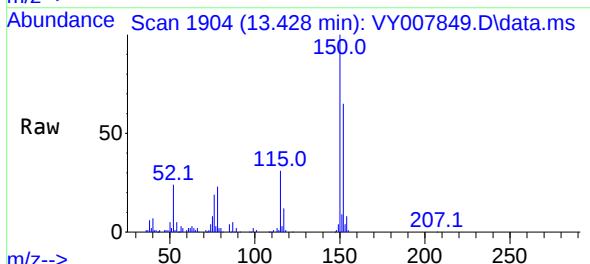
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

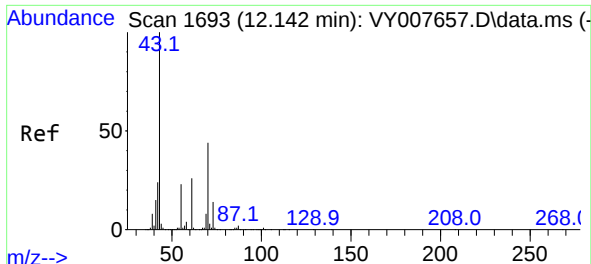
Tgt Ion:	117	Resp:	163110
Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.0	64.4
119	31.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

Tgt Ion:	152	Resp:	44126
Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.2	84.7
150	161.1	0.0	347.6

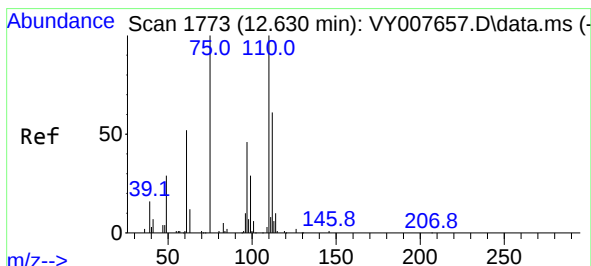
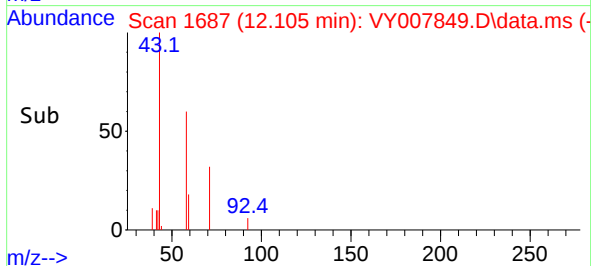
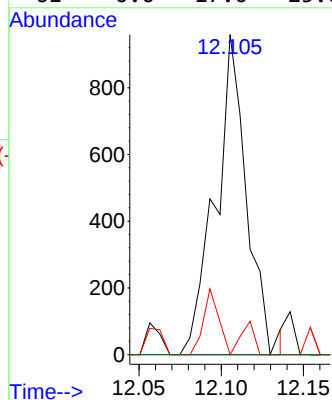
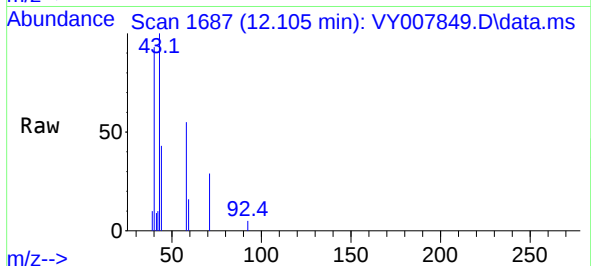




#74
N-amy1 acetate
Concen: 1.386 ug/l
RT: 12.105 min Scan# 1748
Delta R.T. -0.037 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

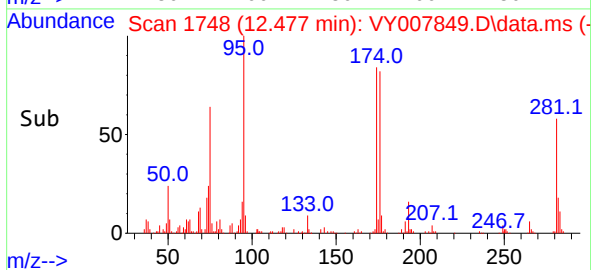
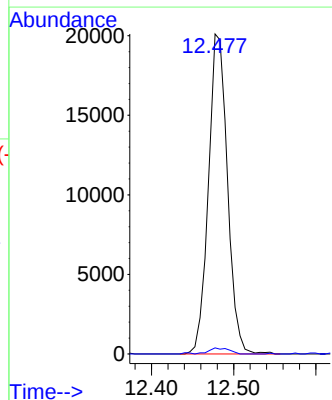
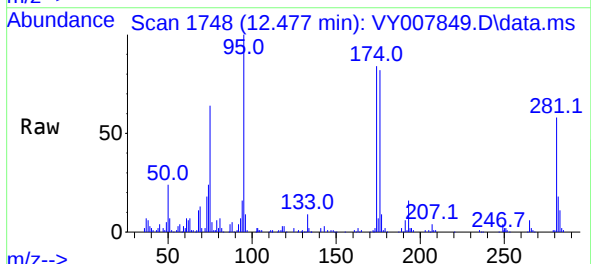
Instrument :
MSVOA_Y
ClientSampleId :
CG-B3-030722-0-1

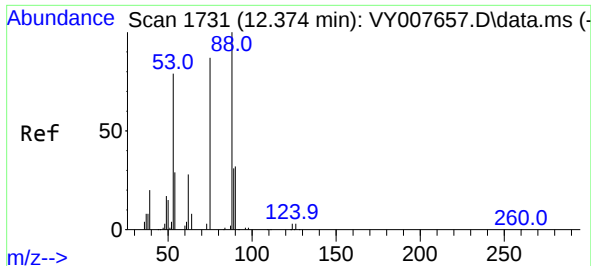
Tgt Ion:	43	Resp:	1268
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	4.4	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 65.609 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

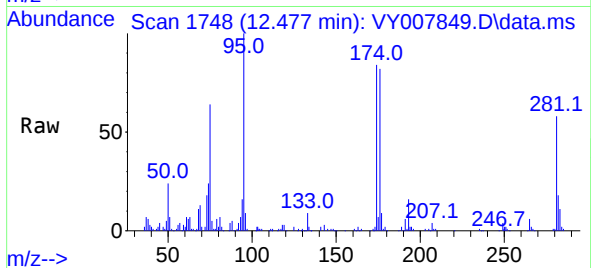
Tgt Ion:	75	Resp:	32331
Ion	Ratio	Lower	Upper
75	100		
77	2.0	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 134.129 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY007849.D
Acq: 11 Mar 2022 13:06

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



Tgt Ion: 75 Resp: 32331
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 2.4 37.0 55.4#

