

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014548.D
 Acq On : 03 Jul 2023 20:18
 Operator : KP/MD
 Sample : 03507-04
 Misc : 5.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-2

Quant Time: Jul 04 03:06:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.782	168	294226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	461584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	461099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	230971	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	161292	55.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.220%
35) Dibromofluoromethane	7.709	113	148535	52.256	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.520%
50) Toluene-d8	10.178	98	553834	49.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.477	95	200628	51.419	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.840%

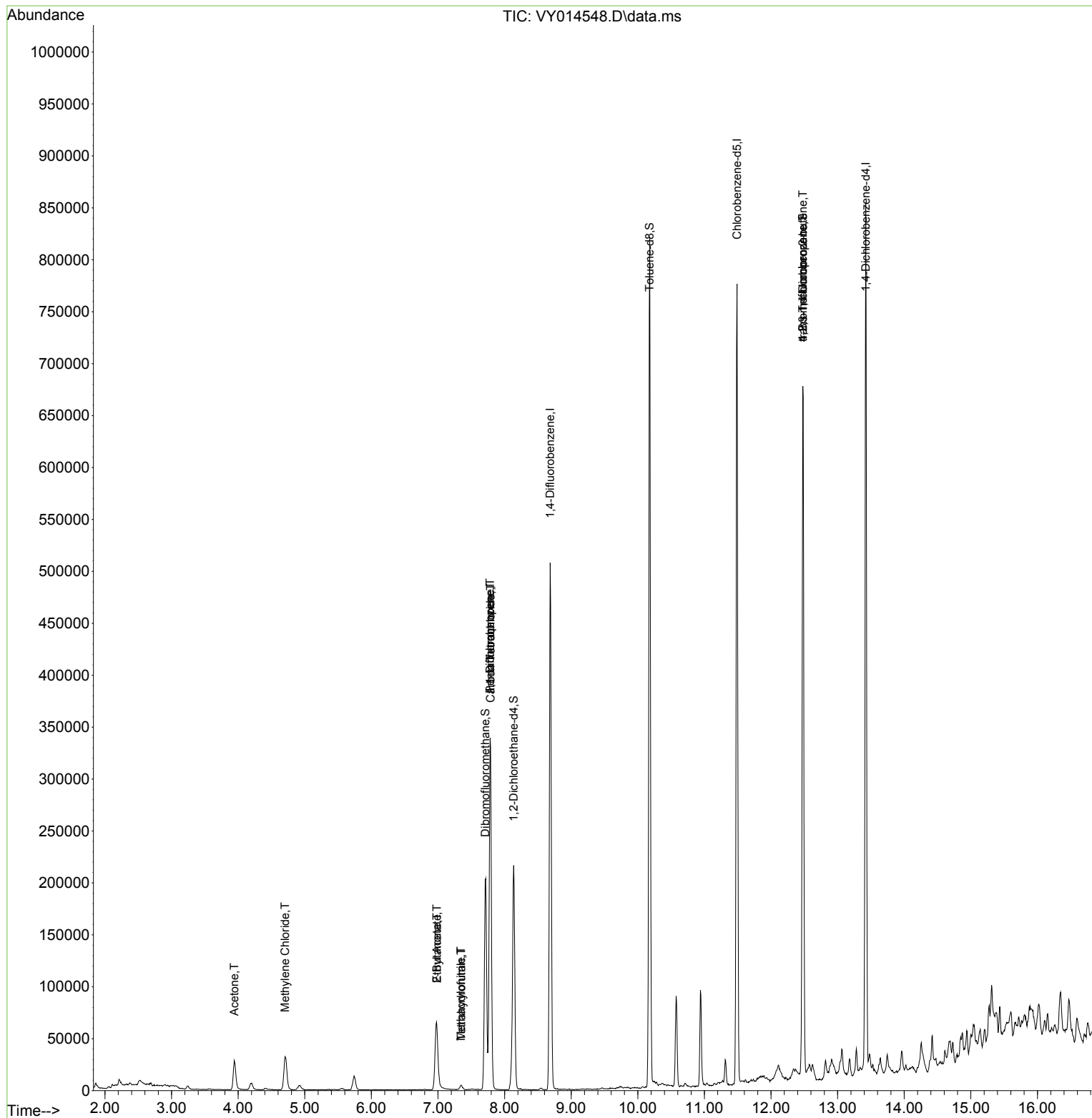
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.905	85	141	Below Cal	# 43
11) Tert butyl alcohol	4.929	59	4868	Below Cal	# 89
13) Acrolein	3.728	56	187	Below Cal	# 77
16) Acetone	3.942	43	47583	52.057 ug/l	# 83
20) Methylene Chloride	4.704	84	26877	3.308 ug/l	# 84
25) 2-Butanone	6.984	43	20516	15.159 ug/l	# 78
29) Tetrahydrofuran	7.350	42	3215	3.683 ug/l	# 78
36) 1,1-Dichloropropene	7.782	75	18535	4.258 ug/l	# 50
37) Ethyl Acetate	6.984	43	20516	6.872 ug/l	# 86
38) Carbon Tetrachloride	7.789	117	24043	5.291 ug/l	# 17
41) Methacrylonitrile	7.344	41	1963	1.346 ug/l	# 40
76) 1,2,3-Trichloropropane	12.477	75	92657	34.186 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	92657	66.541 ug/l	# 11

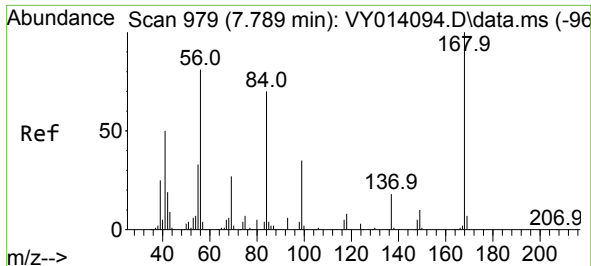
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

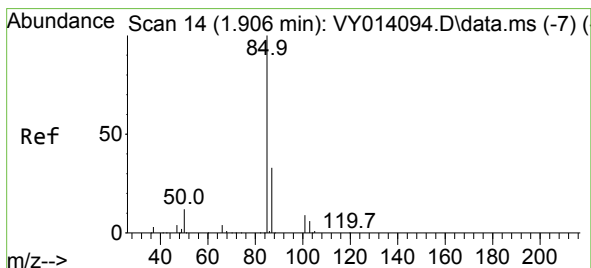
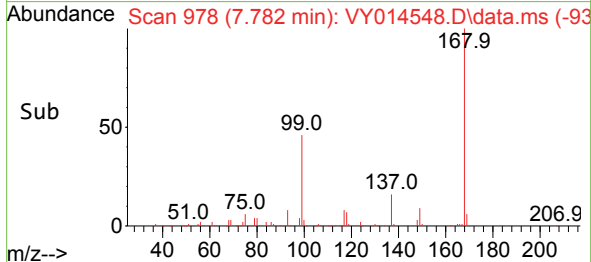
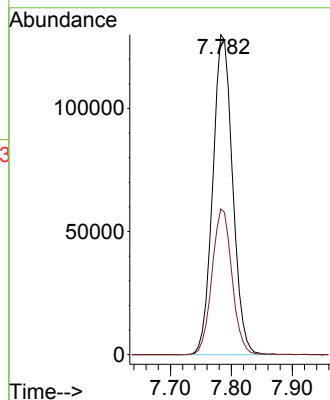
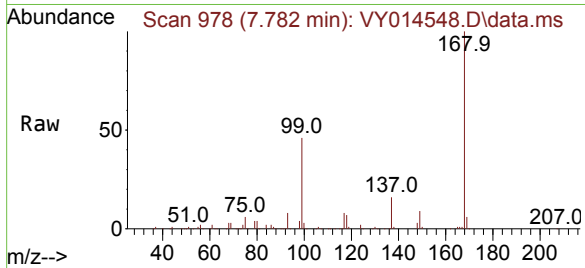




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

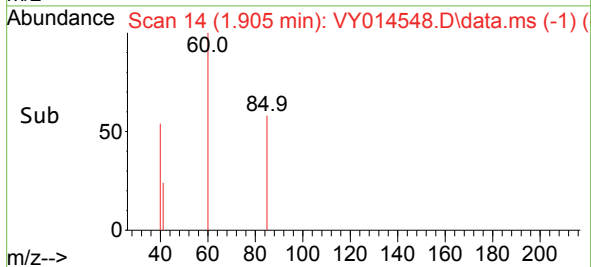
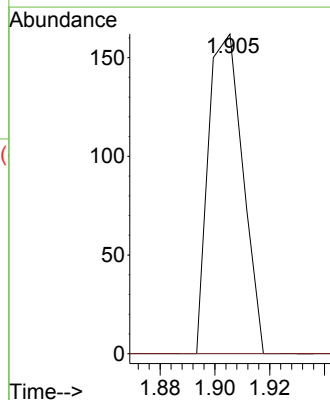
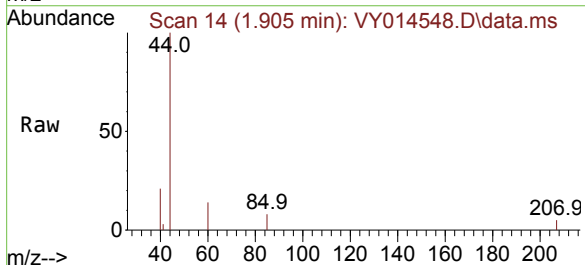
Instrument :
MSVOA_Y
ClientSampleId :
CP-2

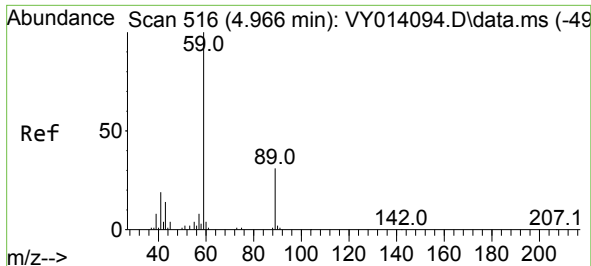
Tgt Ion:168 Resp: 294226
Ion Ratio Lower Upper
168 100
99 45.5 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.905 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Tgt Ion: 85 Resp: 141
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.929 min Scan# 51

Delta R.T. -0.037 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

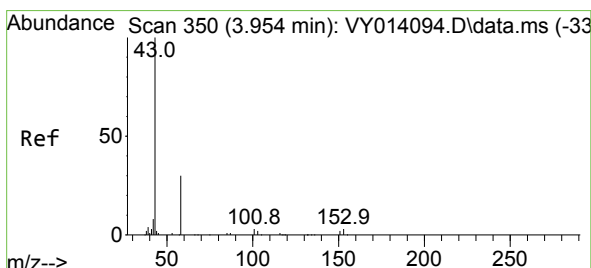
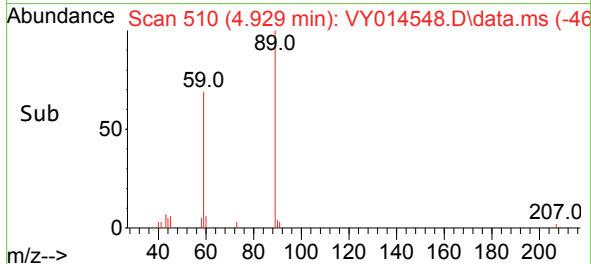
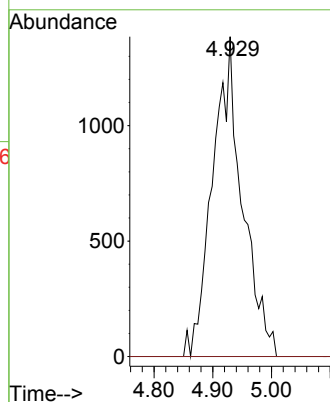
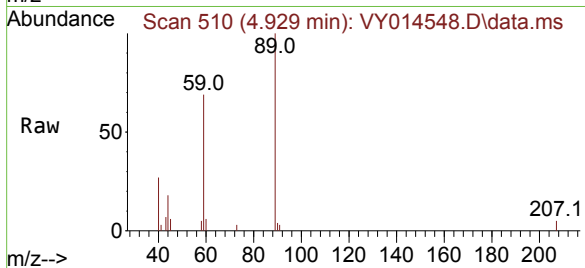
CP-2

Tgt Ion: 59 Resp: 4868

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 52.057 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY014548.D

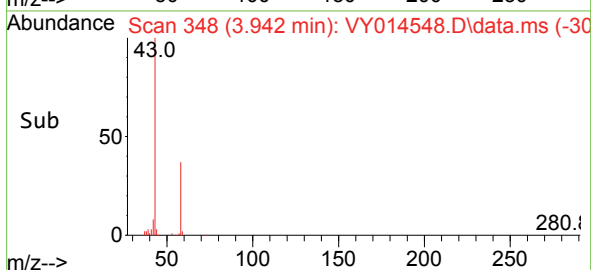
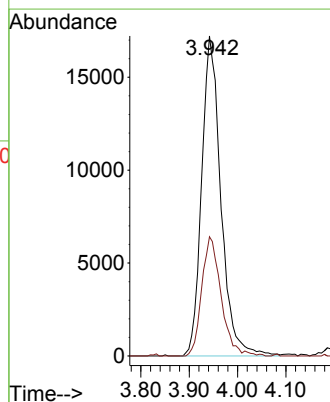
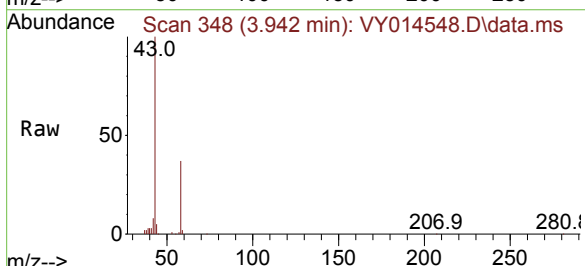
Acq: 03 Jul 2023 20:18

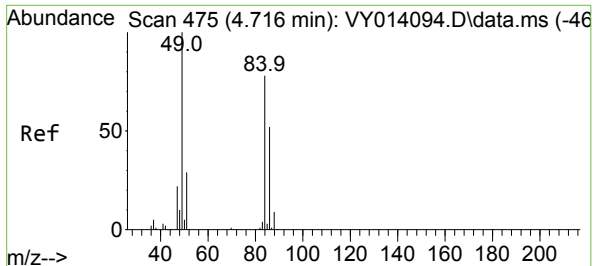
Tgt Ion: 43 Resp: 47583

Ion Ratio Lower Upper

43 100

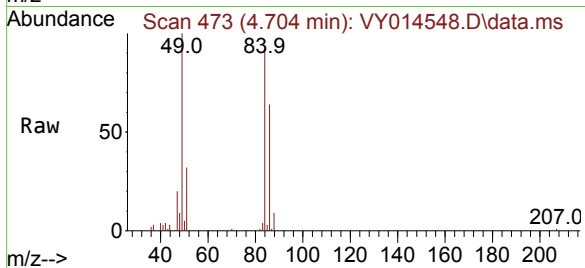
58 37.3 22.7 34.1#





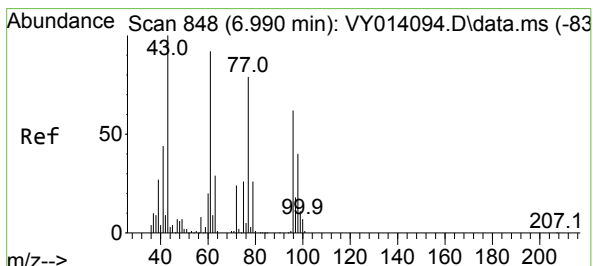
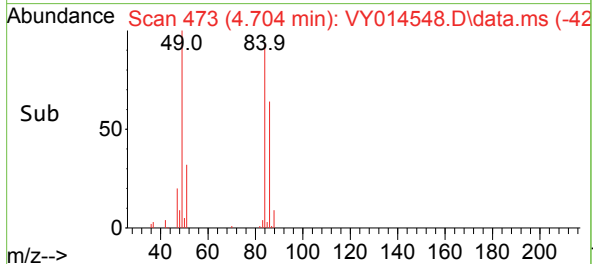
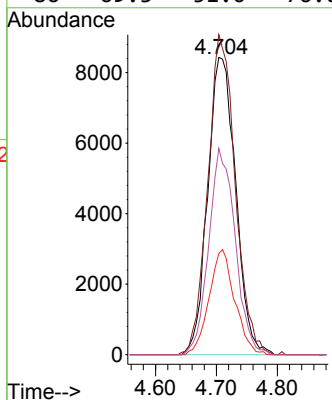
#20
Methylene Chloride
Concen: 3.308 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Instrument :
MSVOA_Y
ClientSampleId :
CP-2



Tgt Ion: 84 Resp: 26877

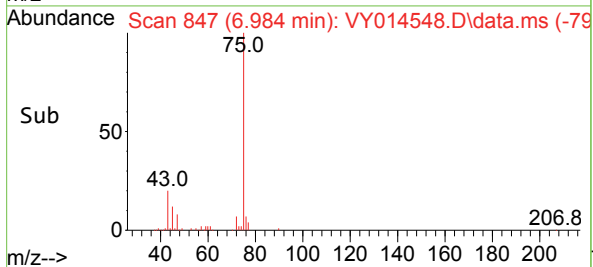
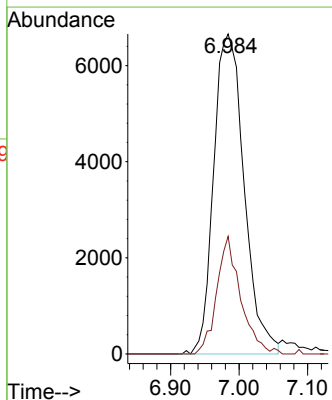
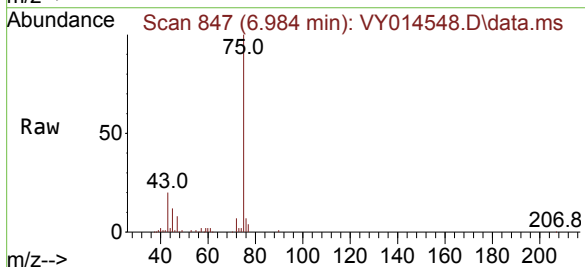
Ion	Ratio	Lower	Upper
84	100		
49	107.6	106.9	160.3
51	34.1	33.2	49.8
86	69.3	51.0	76.6

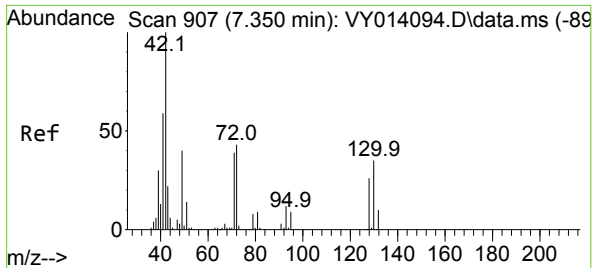


#25
2-Butanone
Concen: 15.159 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Tgt Ion: 43 Resp: 20516

Ion	Ratio	Lower	Upper
43	100		
72	36.8	20.5	30.7#

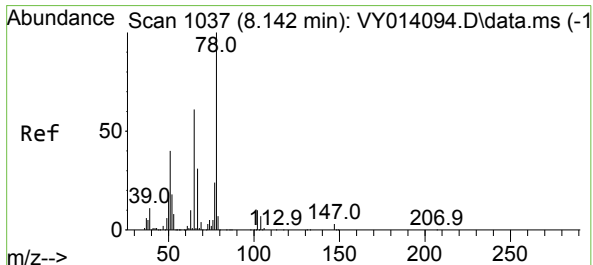
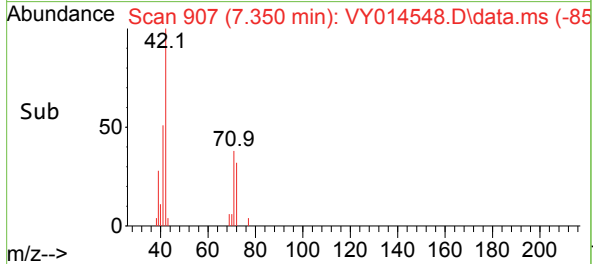
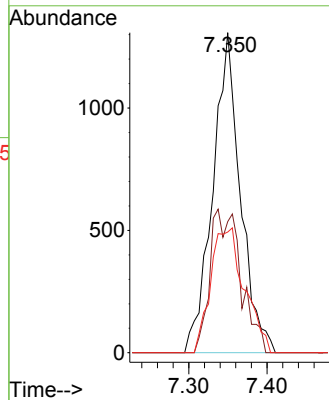
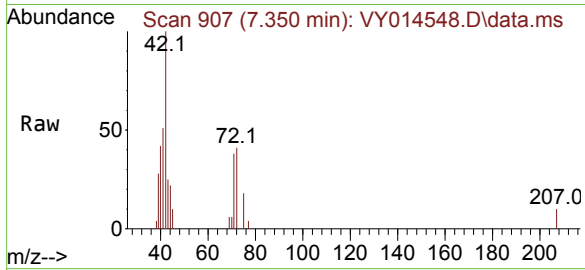




#29
Tetrahydrofuran
Concen: 3.683 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

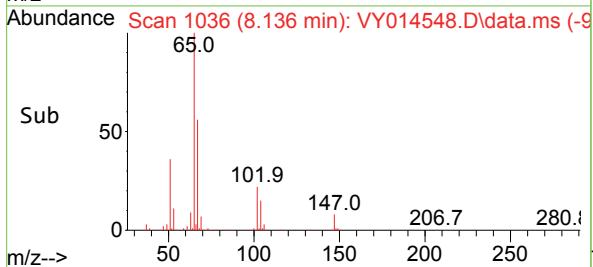
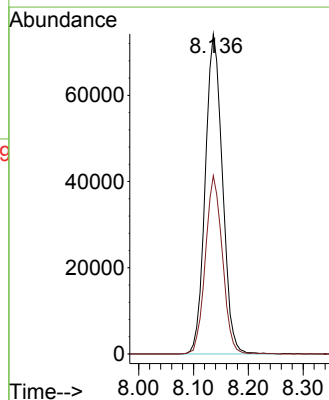
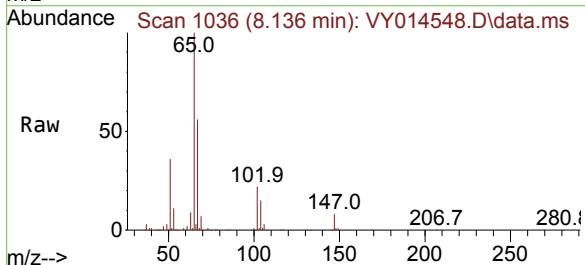
Instrument :
MSVOA_Y
ClientSampleId :
CP-2

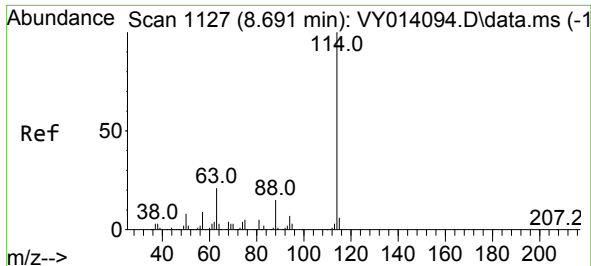
Tgt Ion: 42 Resp: 3215
Ion Ratio Lower Upper
42 100
72 23.2 32.8 49.2#
71 47.7 31.0 46.4#



#33
1,2-Dichloroethane-d4
Concen: 55.106 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Tgt Ion: 65 Resp: 161292
Ion Ratio Lower Upper
65 100
67 55.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

CP-2

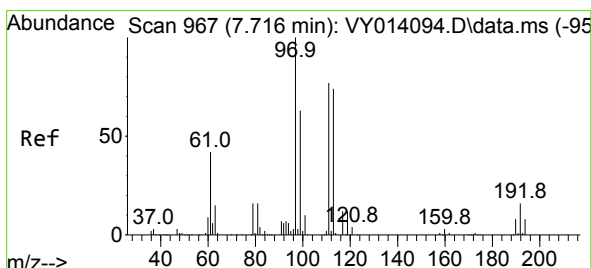
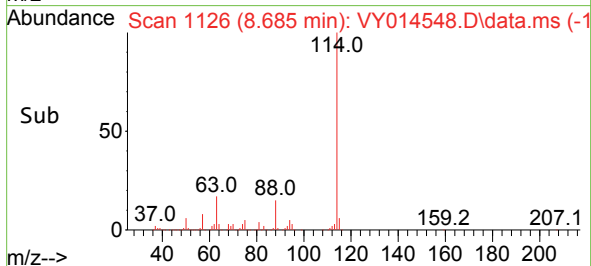
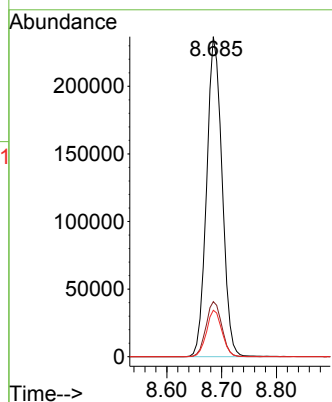
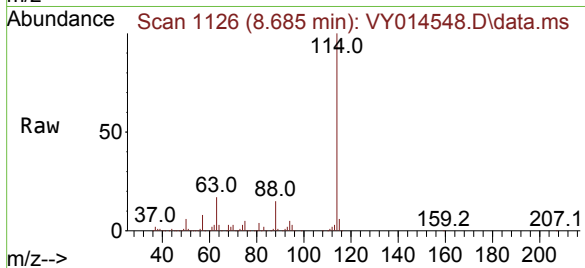
Tgt Ion:114 Resp: 461584

Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.256 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.007 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

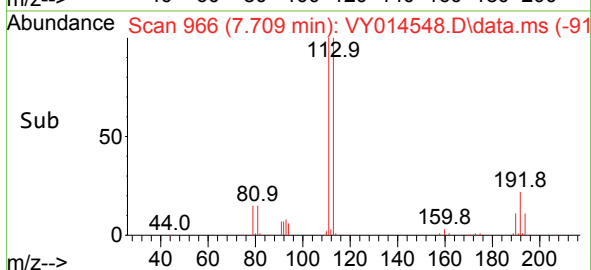
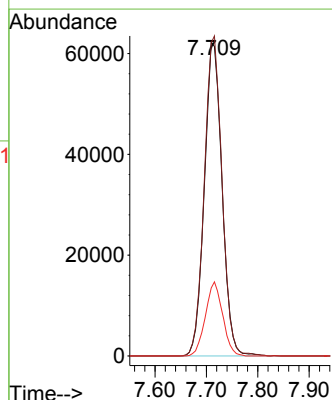
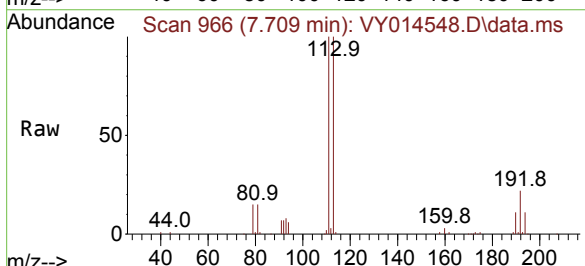
Tgt Ion:113 Resp: 148535

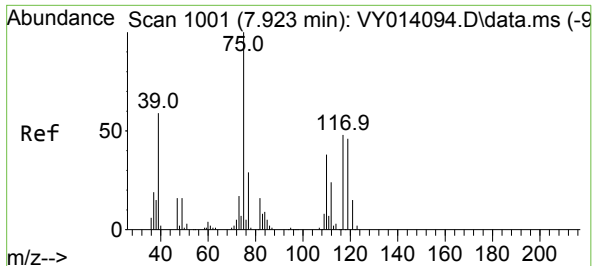
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 23.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.258 ug/l

RT: 7.782 min Scan# 91

Delta R.T. -0.141 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

CP-2

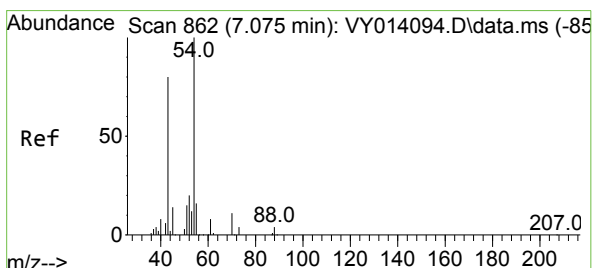
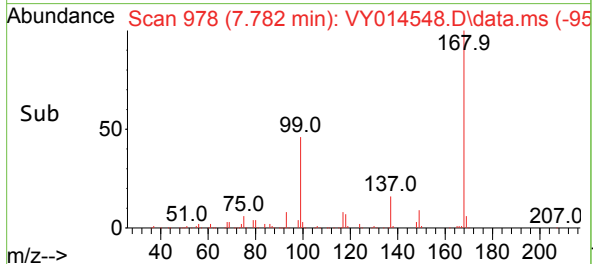
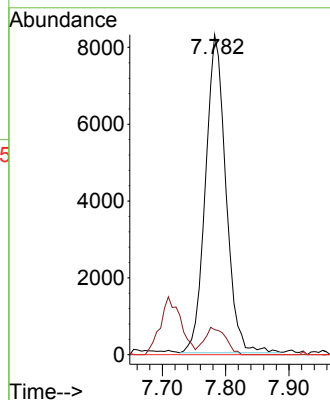
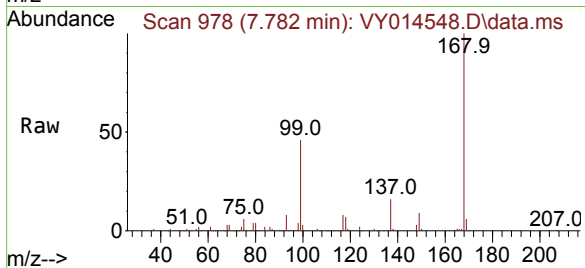
Tgt Ion: 75 Resp: 18535

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 6.872 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.091 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

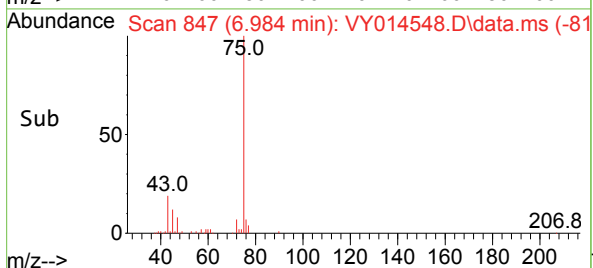
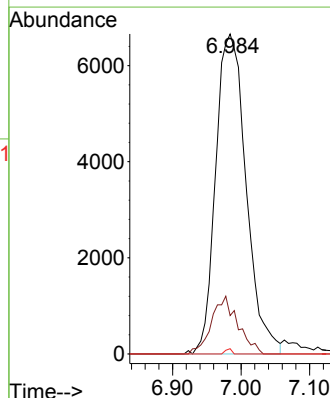
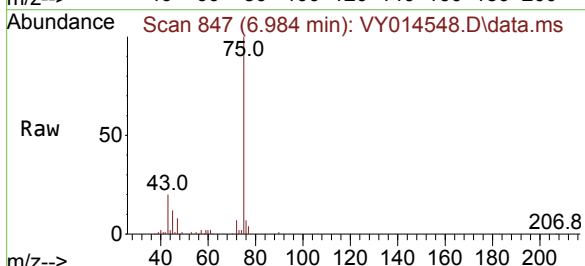
Tgt Ion: 43 Resp: 20516

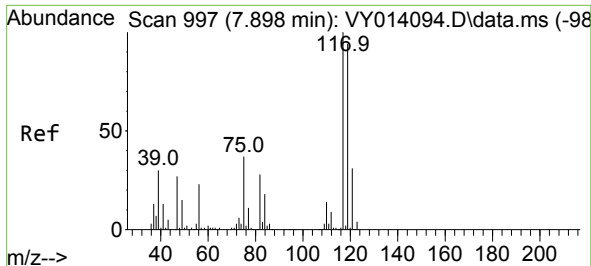
Ion Ratio Lower Upper

43 100

61 15.7 10.1 15.1#

70 0.3 7.1 10.7#

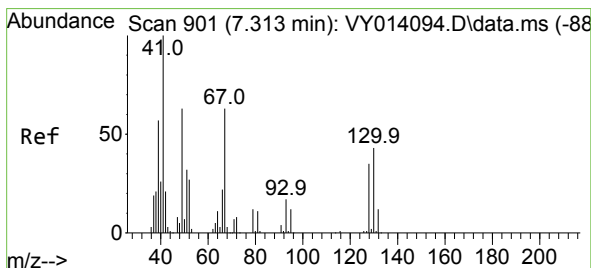
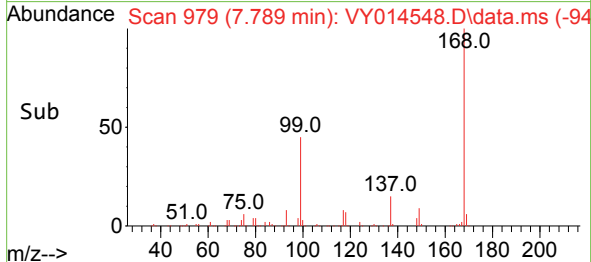
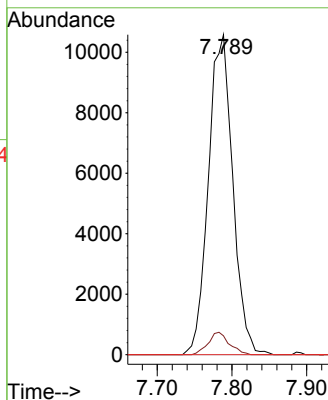
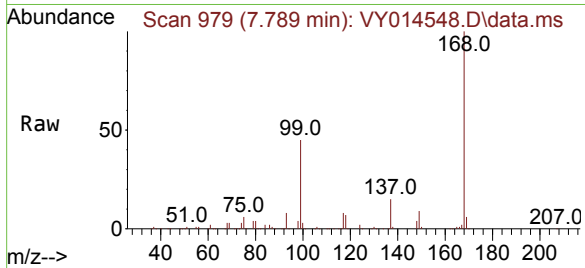




#38
Carbon Tetrachloride
Concen: 5.291 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

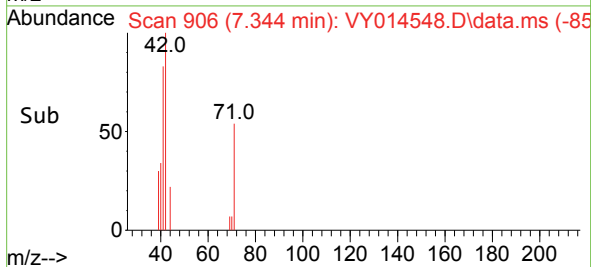
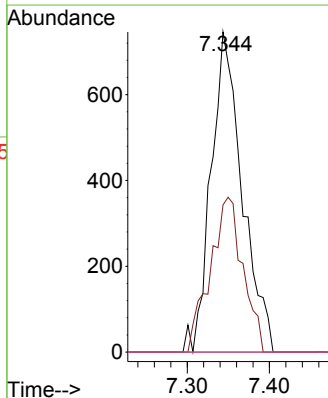
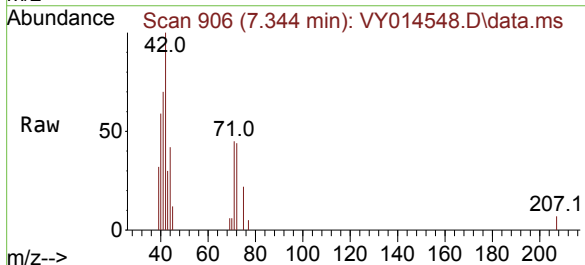
Instrument :
MSVOA_Y
ClientSampleId :
CP-2

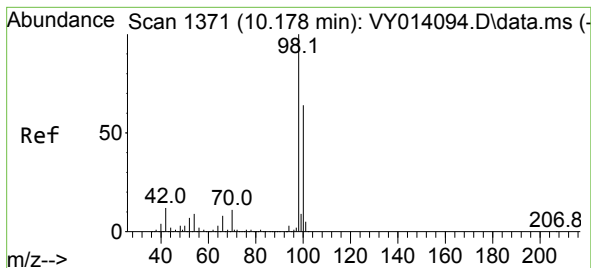
Tgt Ion:117 Resp: 24043
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.346 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.031 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Tgt Ion: 41 Resp: 1963
Ion Ratio Lower Upper
41 100
39 50.8 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

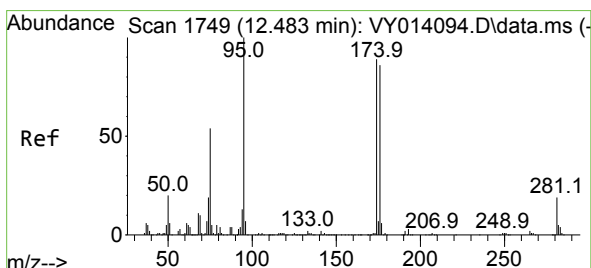
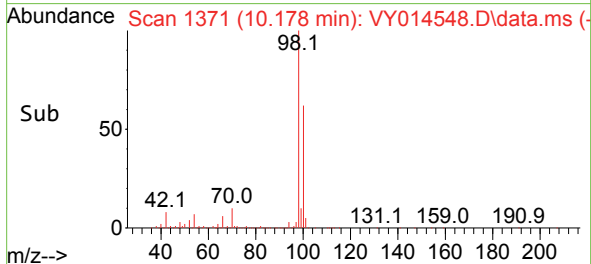
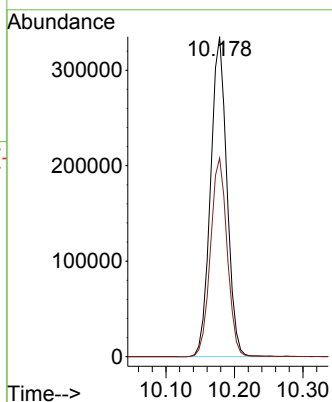
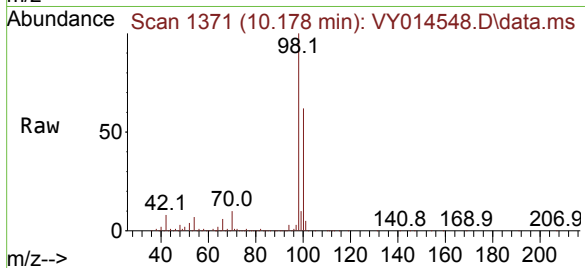




#50
Toluene-d8
Concen: 49.288 ug/l
RT: 10.178 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

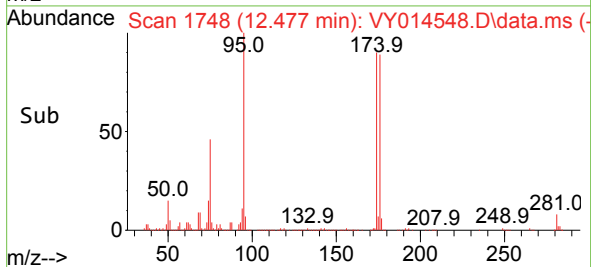
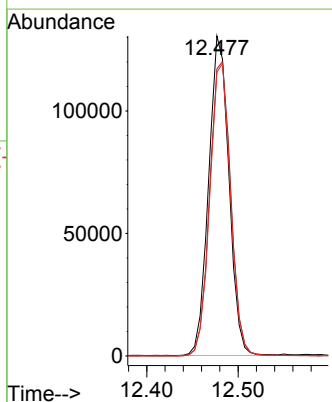
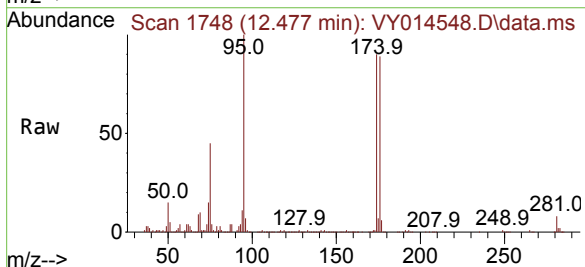
Instrument :
MSVOA_Y
ClientSampleId :
CP-2

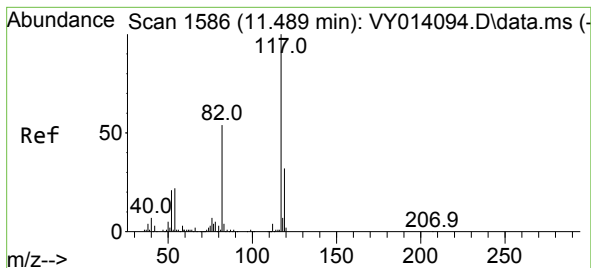
Tgt Ion: 98 Resp: 553834
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.419 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Tgt Ion: 95 Resp: 200628
Ion Ratio Lower Upper
95 100
174 96.0 0.0 178.2
176 93.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

Instrument :

MSVOA_Y

ClientSampleId :

CP-2

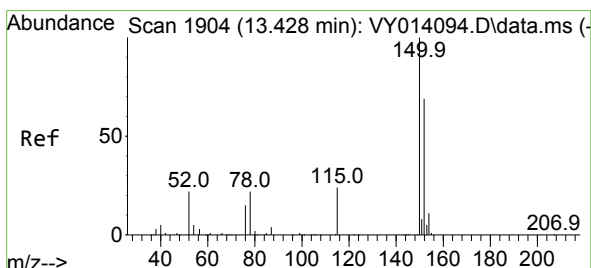
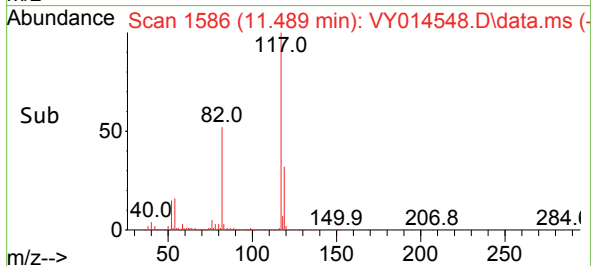
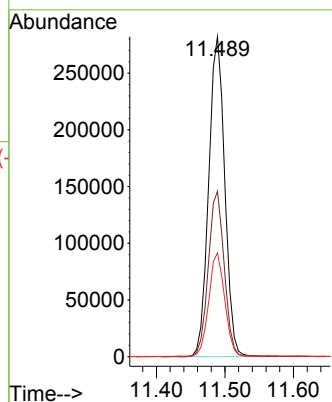
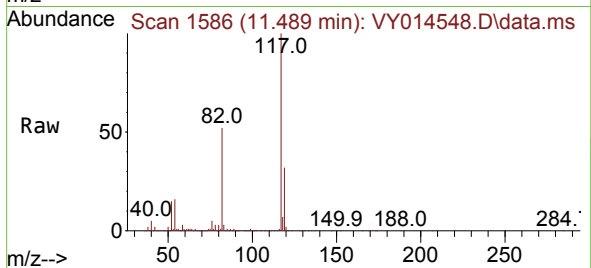
Tgt Ion:117 Resp: 461099

Ion Ratio Lower Upper

117 100

82 51.7 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014548.D

Acq: 03 Jul 2023 20:18

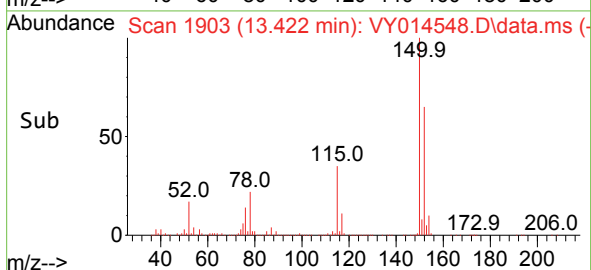
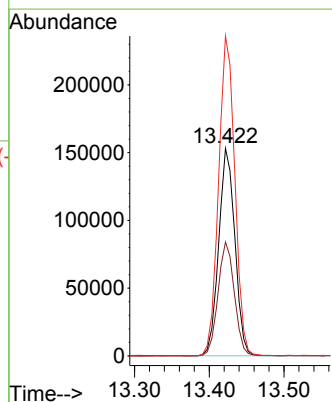
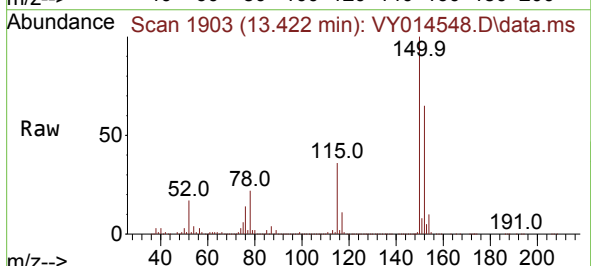
Tgt Ion:152 Resp: 230971

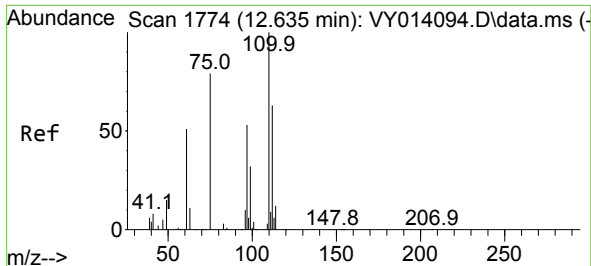
Ion Ratio Lower Upper

152 100

115 55.2 28.8 86.5

150 155.0 0.0 348.8

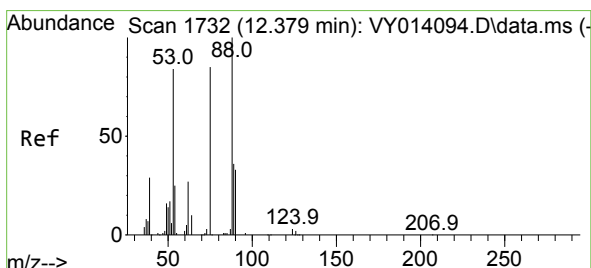
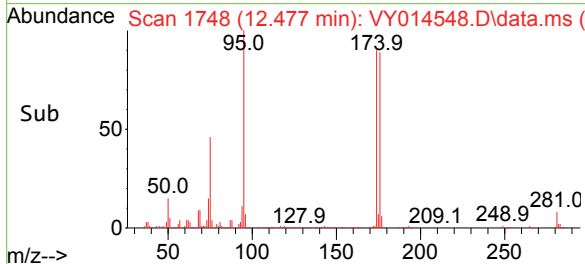
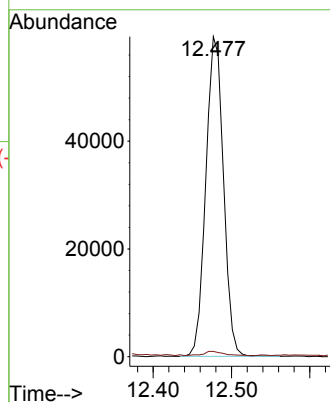
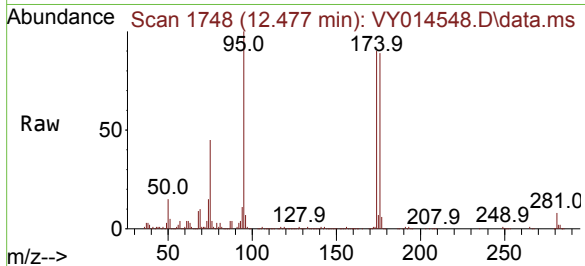




#76
1,2,3-Trichloropropane
Concen: 34.186 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Instrument :
MSVOA_Y
ClientSampleId :
CP-2

Tgt Ion: 75 Resp: 92657
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.541 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014548.D
Acq: 03 Jul 2023 20:18

Tgt Ion: 75 Resp: 92657
Ion Ratio Lower Upper
75 100
53 0.6 77.8 116.8#
89 0.0 37.4 56.0#

