

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014547.D
 Acq On : 03 Jul 2023 19:54
 Operator : KP/MD
 Sample : 03507-01
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-1

Quant Time: Jul 04 03:06:06 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)

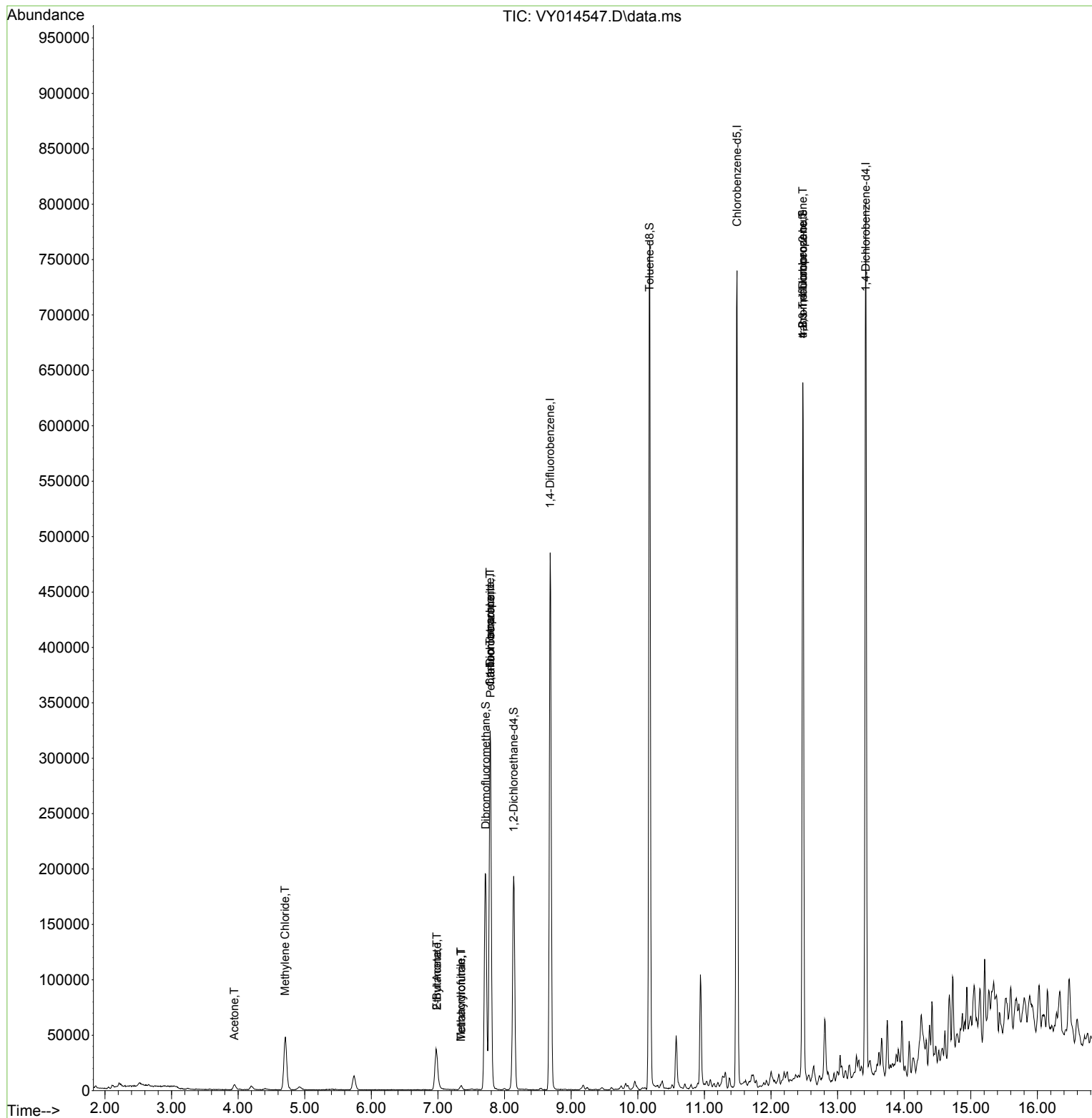
Internal Standards						
1) Pentafluorobenzene	7.789	168	280730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	444709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	444219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	222377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	152534	54.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.716	113	143486	52.395	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.780%	
50) Toluene-d8	10.179	98	537953	49.692	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.380%	
62) 4-Bromofluorobenzene	12.477	95	189555	50.425	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	58	Below Cal	#	43
11) Tert butyl alcohol	4.918	59	3325	Below Cal	#	89
16) Acetone	3.942	43	8440	9.678	ug/l #	79
20) Methylene Chloride	4.704	84	39692	8.285	ug/l #	82
25) 2-Butanone	6.984	43	5262	4.075	ug/l	95
29) Tetrahydrofuran	7.350	42	2452	2.944	ug/l #	72
36) 1,1-Dichloropropene	7.783	75	18218	4.344	ug/l #	49
37) Ethyl Acetate	6.984	43	5262	1.830	ug/l #	56
38) Carbon Tetrachloride	7.783	117	23872	5.453	ug/l #	19
41) Methacrylonitrile	7.344	41	1512	1.076	ug/l #	42
76) 1,2,3-Trichloropropane	12.477	75	87538	33.546	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87538	65.294	ug/l #	11

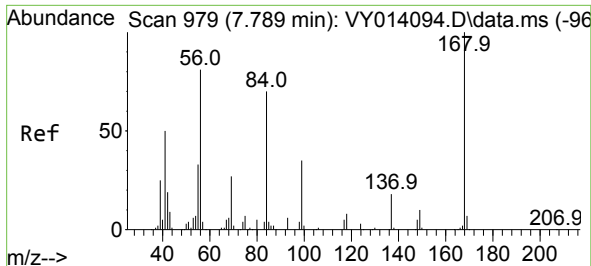
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 30 19:02:11 2023
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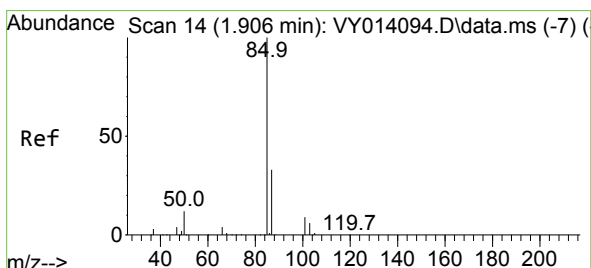
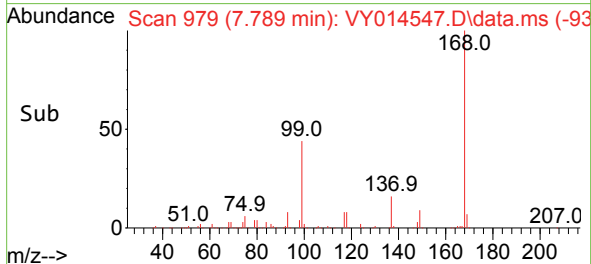
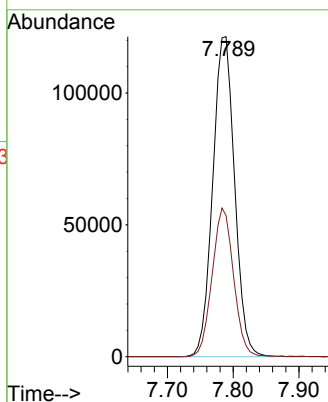
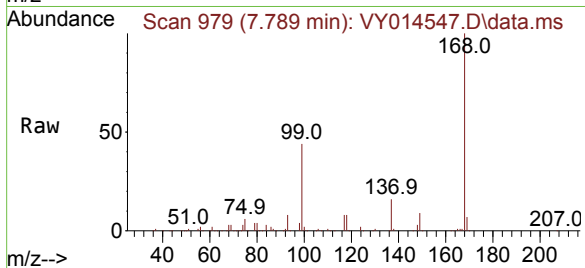




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

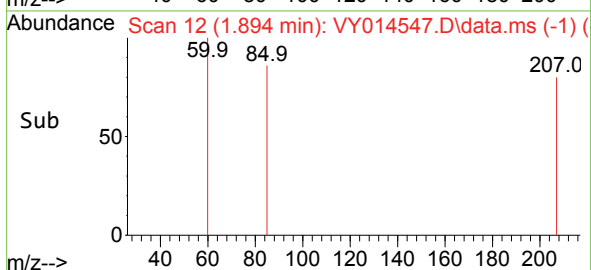
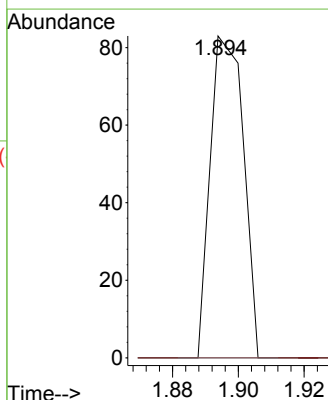
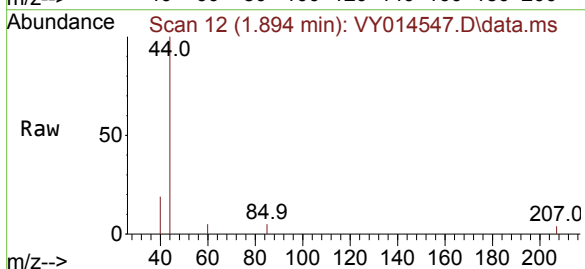
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

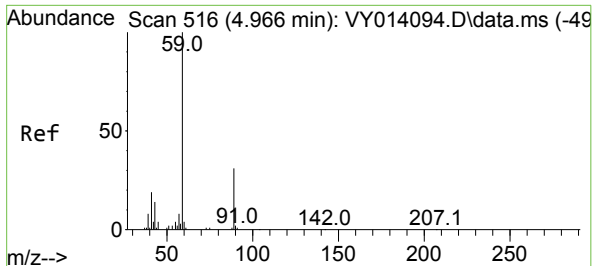
Tgt Ion:168 Resp: 280730
Ion Ratio Lower Upper
168 100
99 44.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 50

Delta R.T. -0.048 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

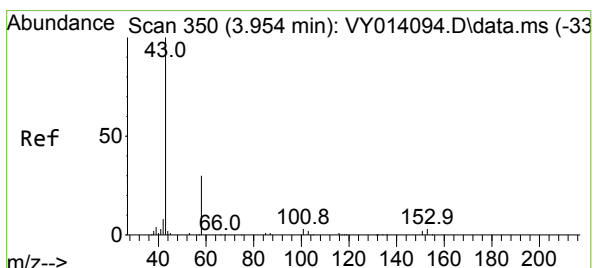
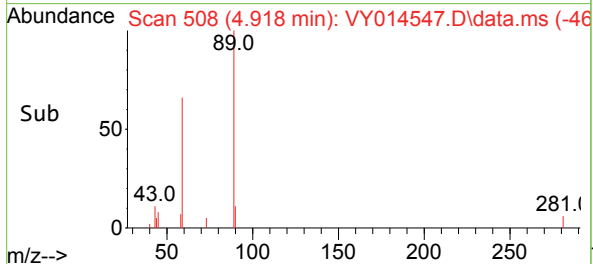
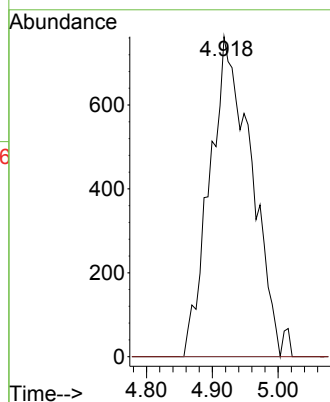
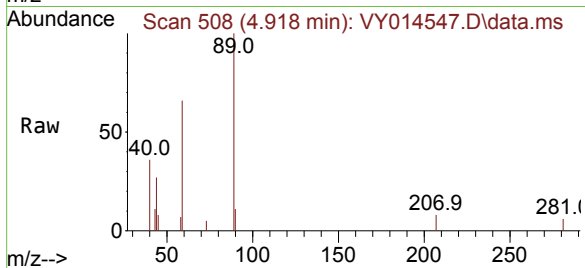
CP-1

Tgt Ion: 59 Resp: 3325

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 9.678 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY014547.D

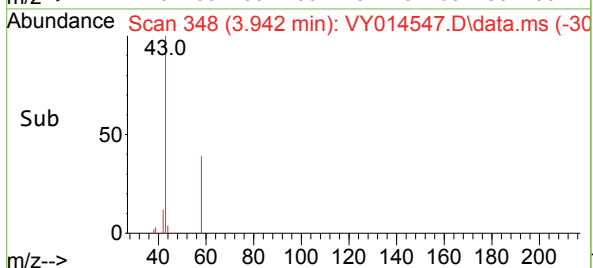
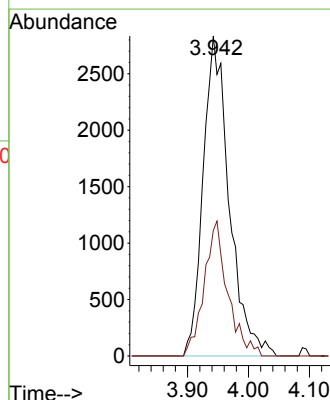
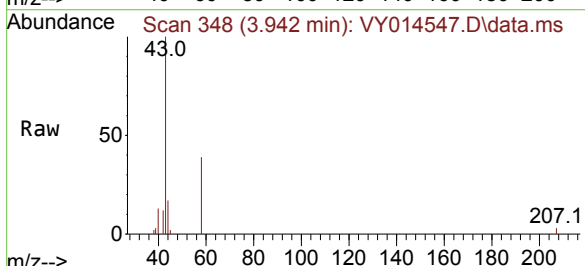
Acq: 03 Jul 2023 19:54

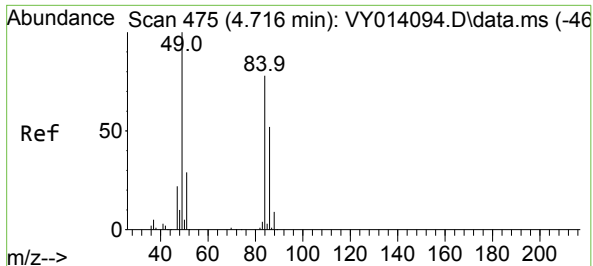
Tgt Ion: 43 Resp: 8440

Ion Ratio Lower Upper

43 100

58 39.3 22.7 34.1#

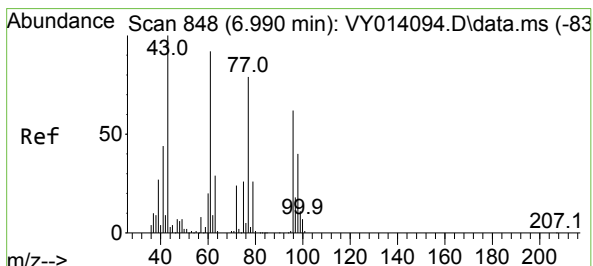
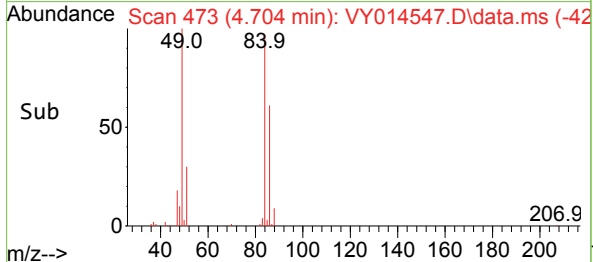
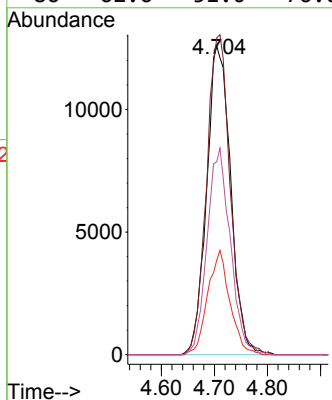
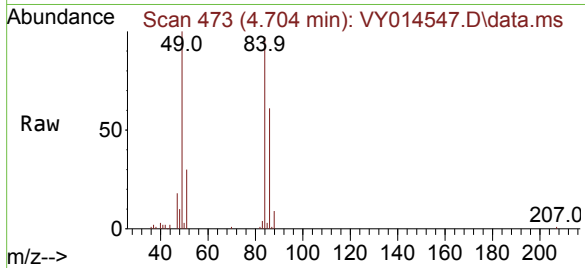




#20
Methylene Chloride
Concen: 8.285 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

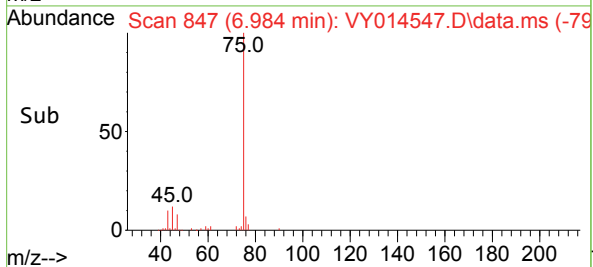
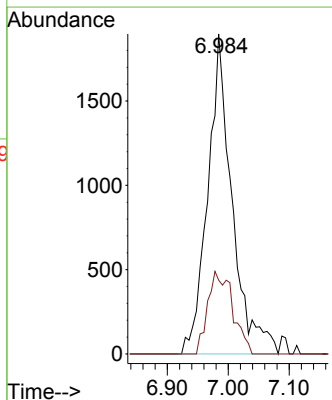
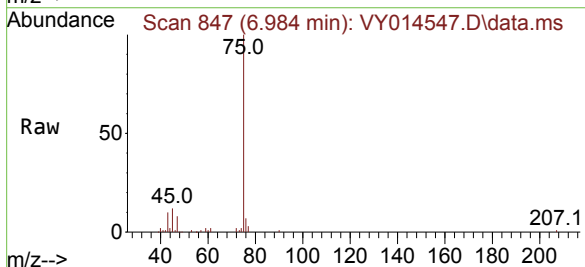
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

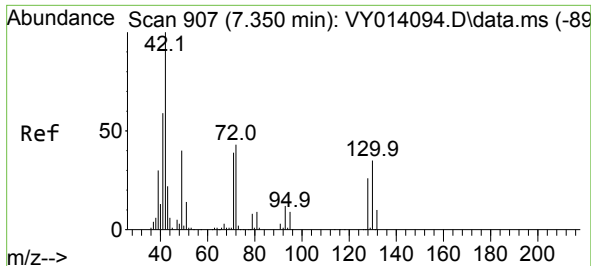
Tgt Ion:	84	Resp:	39692
Ion	Ratio	Lower	Upper
84	100		
49	102.8	106.9	160.3#
51	30.7	33.2	49.8#
86	62.6	51.0	76.6



#25
2-Butanone
Concen: 4.075 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion:	43	Resp:	5262
Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.5	30.7

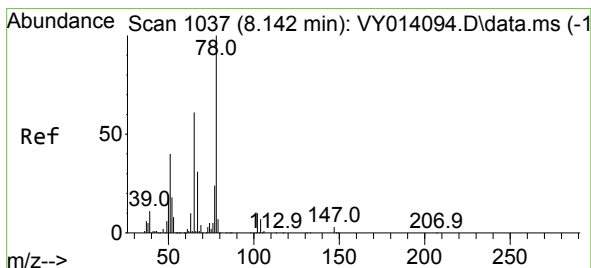
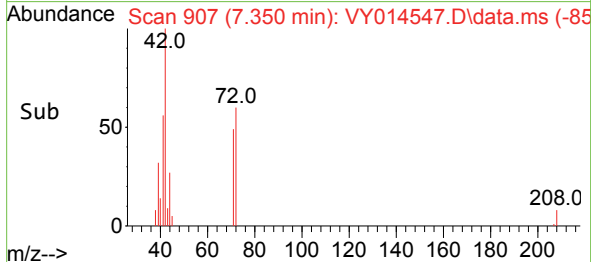
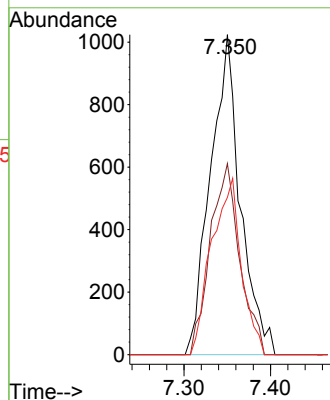
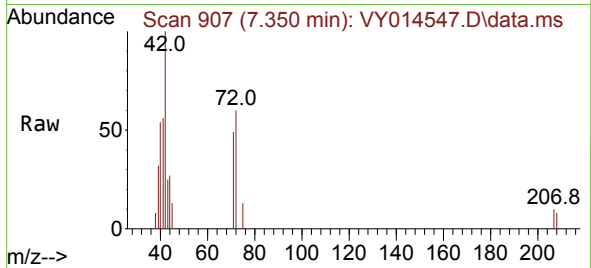




#29
Tetrahydrofuran
Concen: 2.944 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

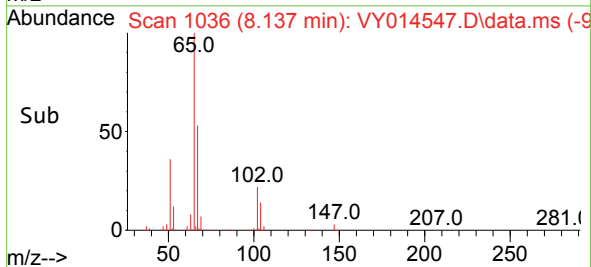
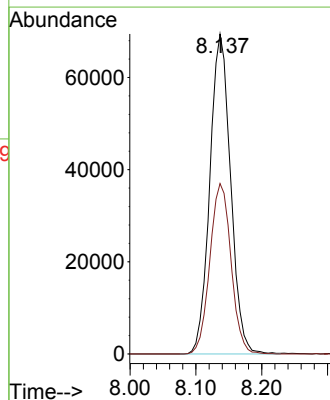
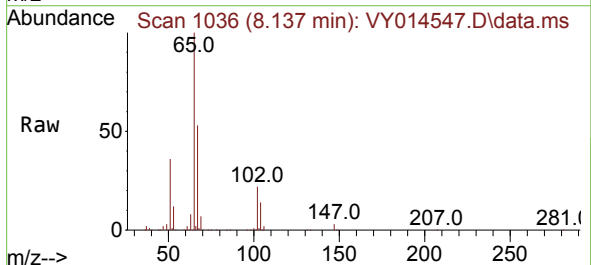
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

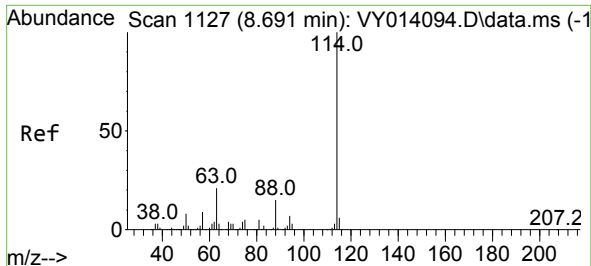
Tgt Ion: 42 Resp: 2452
Ion Ratio Lower Upper
42 100
72 59.0 32.8 49.2#
71 55.0 31.0 46.4#



#33
1,2-Dichloroethane-d4
Concen: 54.620 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion: 65 Resp: 152534
Ion Ratio Lower Upper
65 100
67 54.3 0.0 101.8

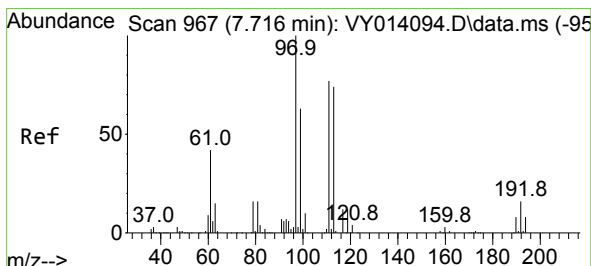
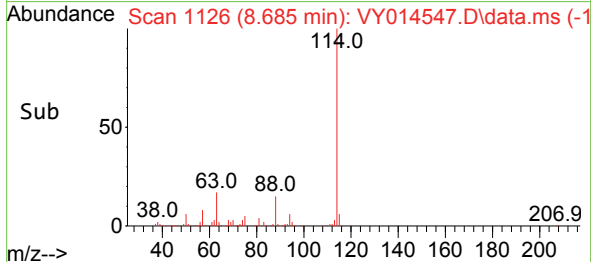
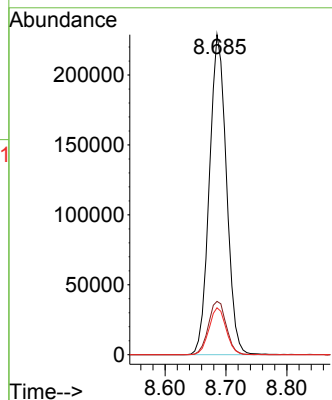
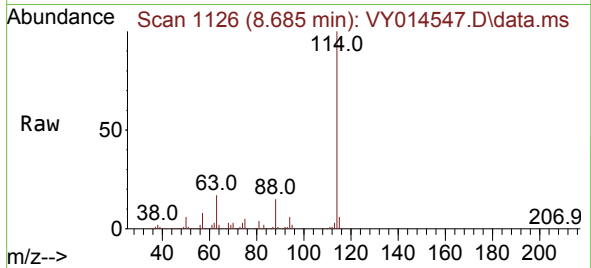




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

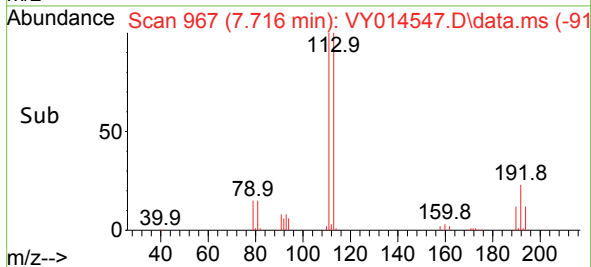
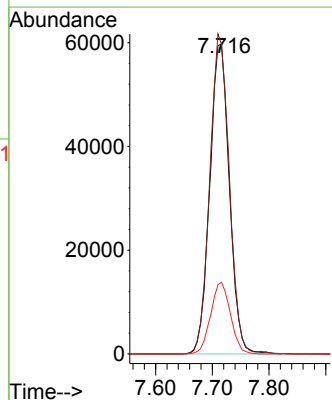
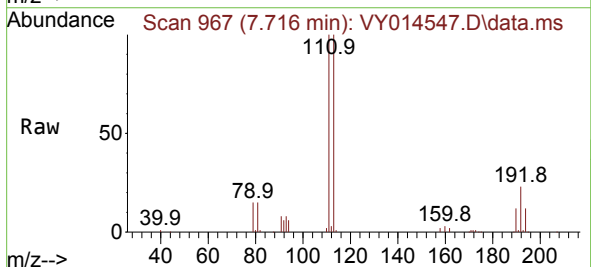
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

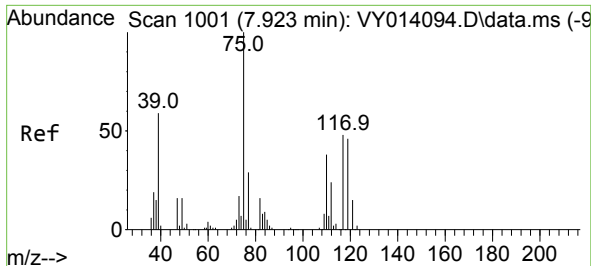
Tgt Ion:114 Resp: 444709
Ion Ratio Lower Upper
114 100
63 16.7 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.395 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion:113 Resp: 143486
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 23.3 16.9 25.3

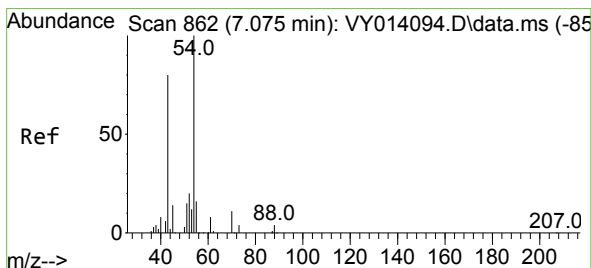
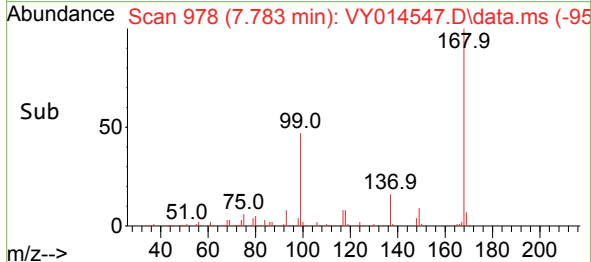
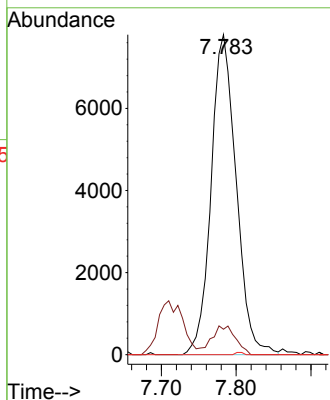
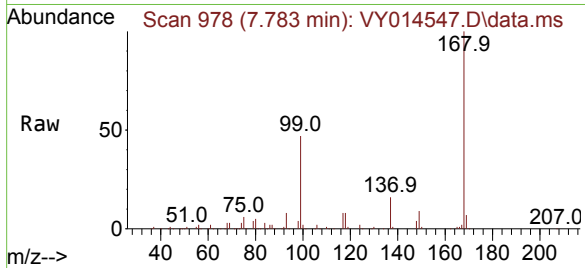




#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

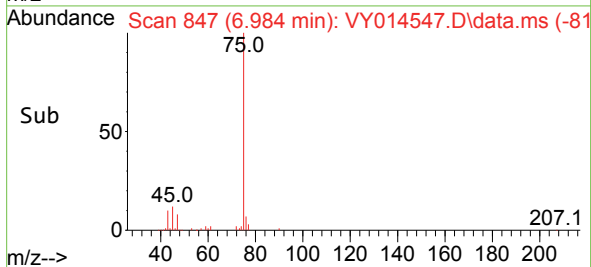
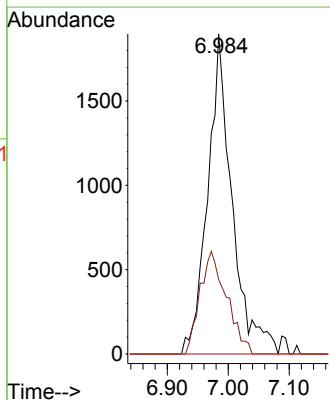
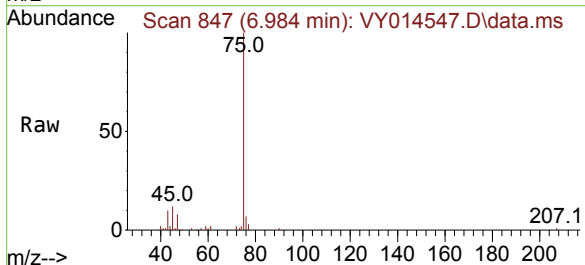
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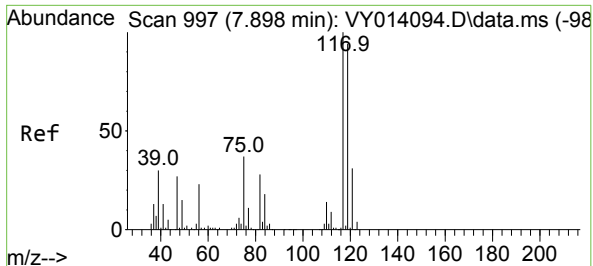
Tgt Ion: 75 Resp: 18218
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.830 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion: 43 Resp: 5262
Ion Ratio Lower Upper
43 100
61 35.2 10.1 15.1#
70 0.0 7.1 10.7#

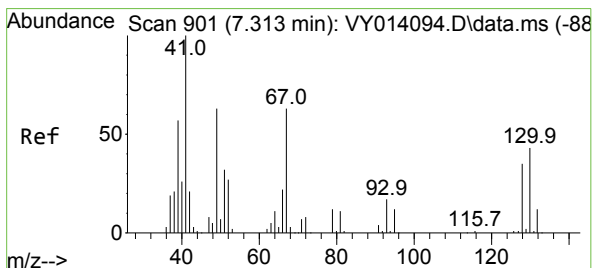
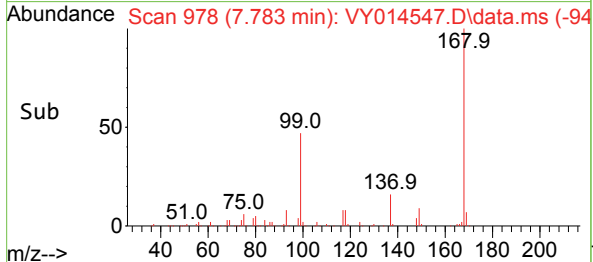
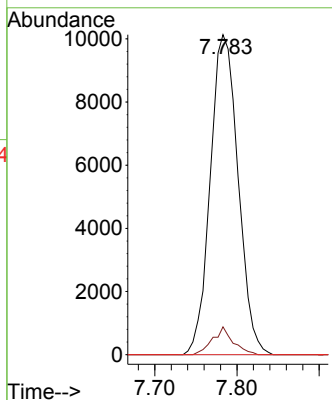
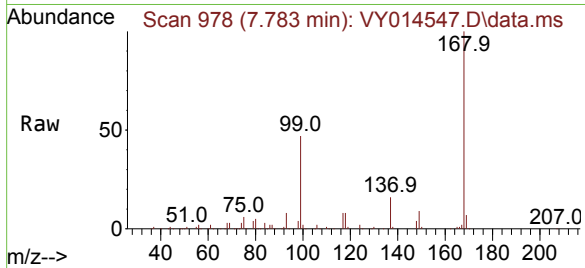




#38
Carbon Tetrachloride
Concen: 5.453 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

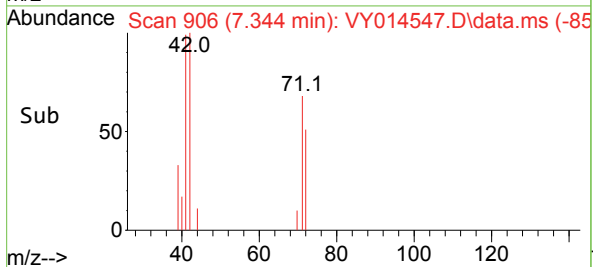
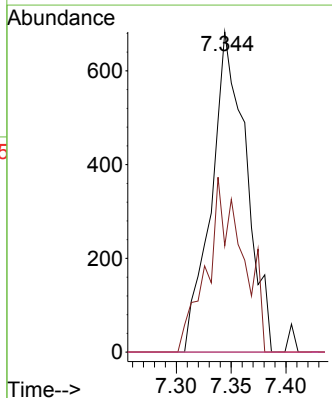
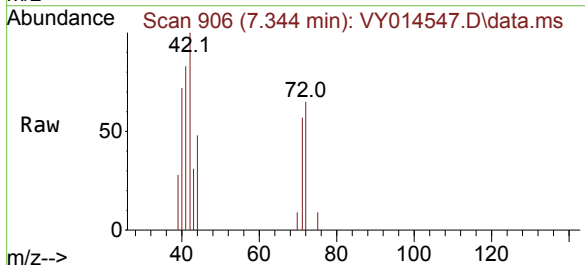
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

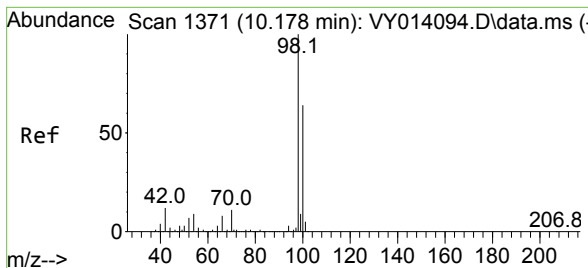
Tgt Ion:117 Resp: 23872
Ion Ratio Lower Upper
117 100
119 8.7 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.076 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.031 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion: 41 Resp: 1512
Ion Ratio Lower Upper
41 100
39 55.6 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

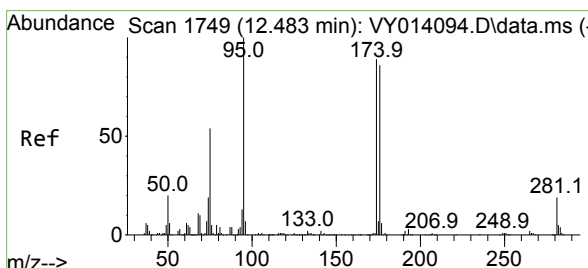
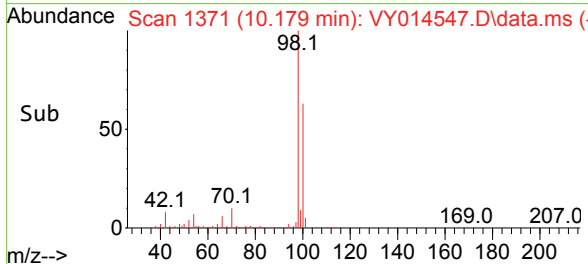
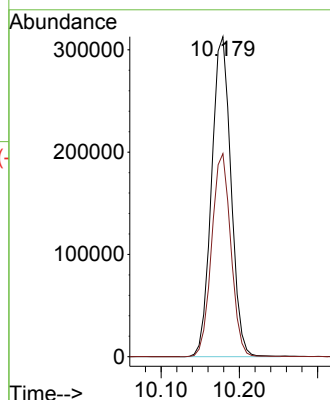
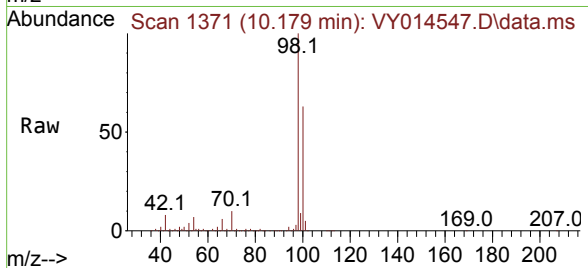




#50
Toluene-d8
Concen: 49.692 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

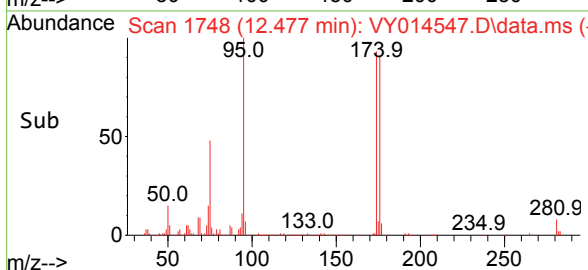
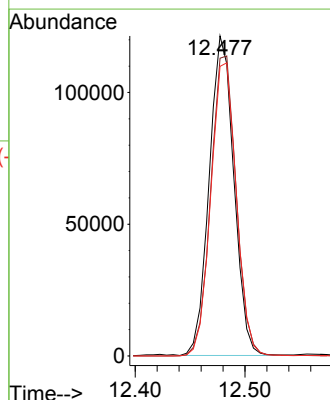
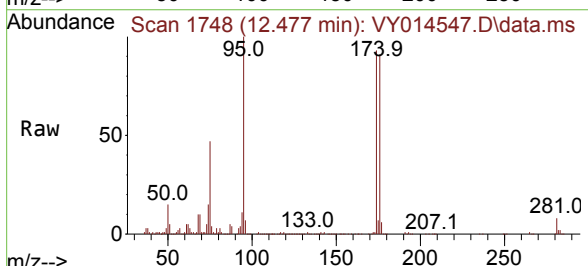
Instrument :
MSVOA_Y
ClientSampleId :
CP-1

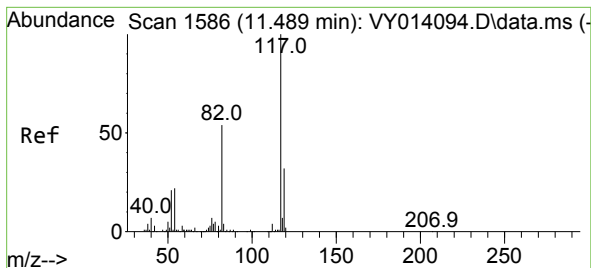
Tgt Ion: 98 Resp: 537953
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.425 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014547.D
Acq: 03 Jul 2023 19:54

Tgt Ion: 95 Resp: 189555
Ion Ratio Lower Upper
95 100
174 96.9 0.0 178.2
176 94.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

CP-1

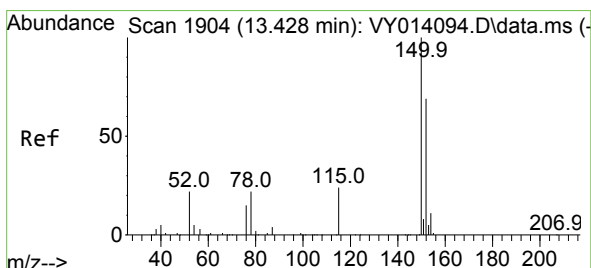
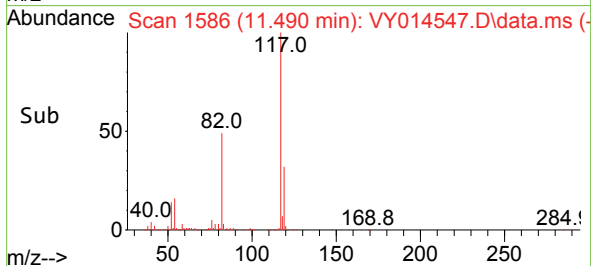
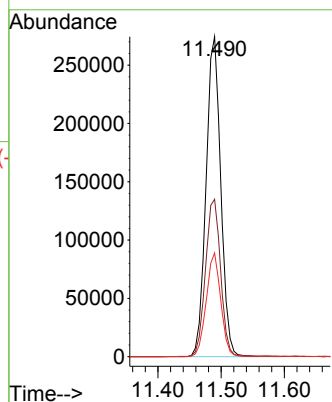
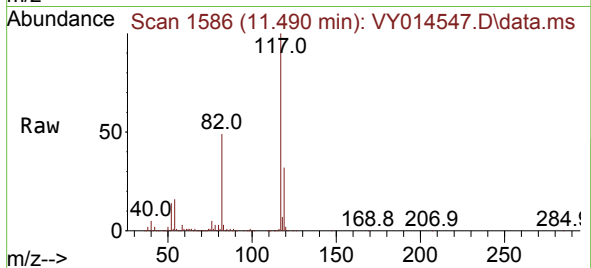
Tgt Ion:117 Resp: 444219

Ion Ratio Lower Upper

117 100

82 49.1 43.4 65.0

119 32.3 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: VY014547.D

Acq: 03 Jul 2023 19:54

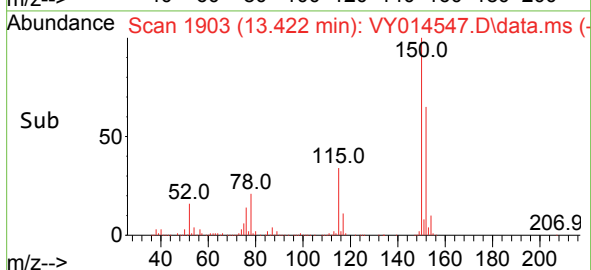
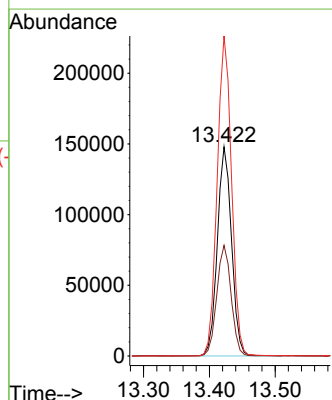
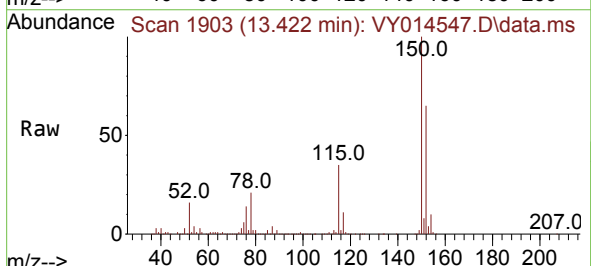
Tgt Ion:152 Resp: 222377

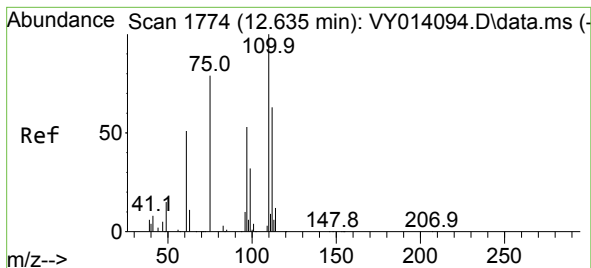
Ion Ratio Lower Upper

152 100

115 53.5 28.8 86.5

150 154.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 33.546 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Instrument :

MSVOA_Y

ClientSampleId :

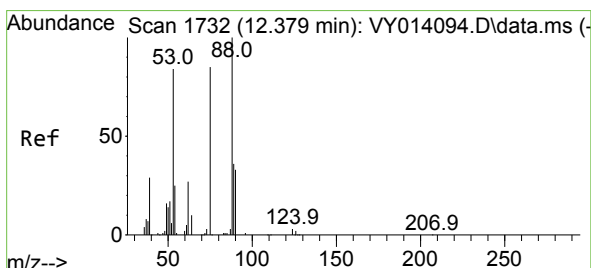
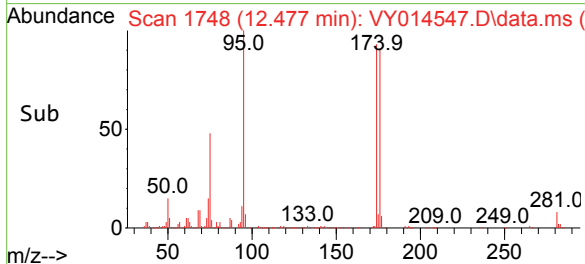
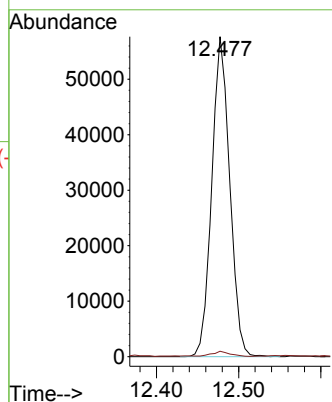
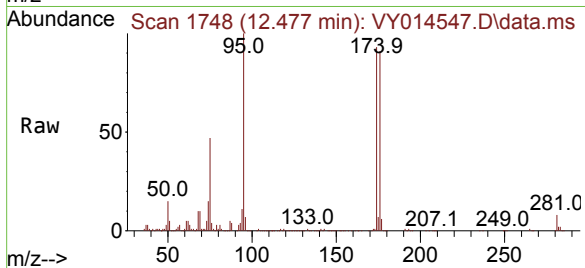
CP-1

Tgt Ion: 75 Resp: 87538

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.294 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014547.D

Acq: 03 Jul 2023 19:54

Tgt Ion: 75 Resp: 87538

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

