

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014573.D
 Acq On : 05 Jul 2023 21:05
 Operator : KP/MD
 Sample : 03514-04
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-5

Quant Time: Jul 06 01:39:01 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)

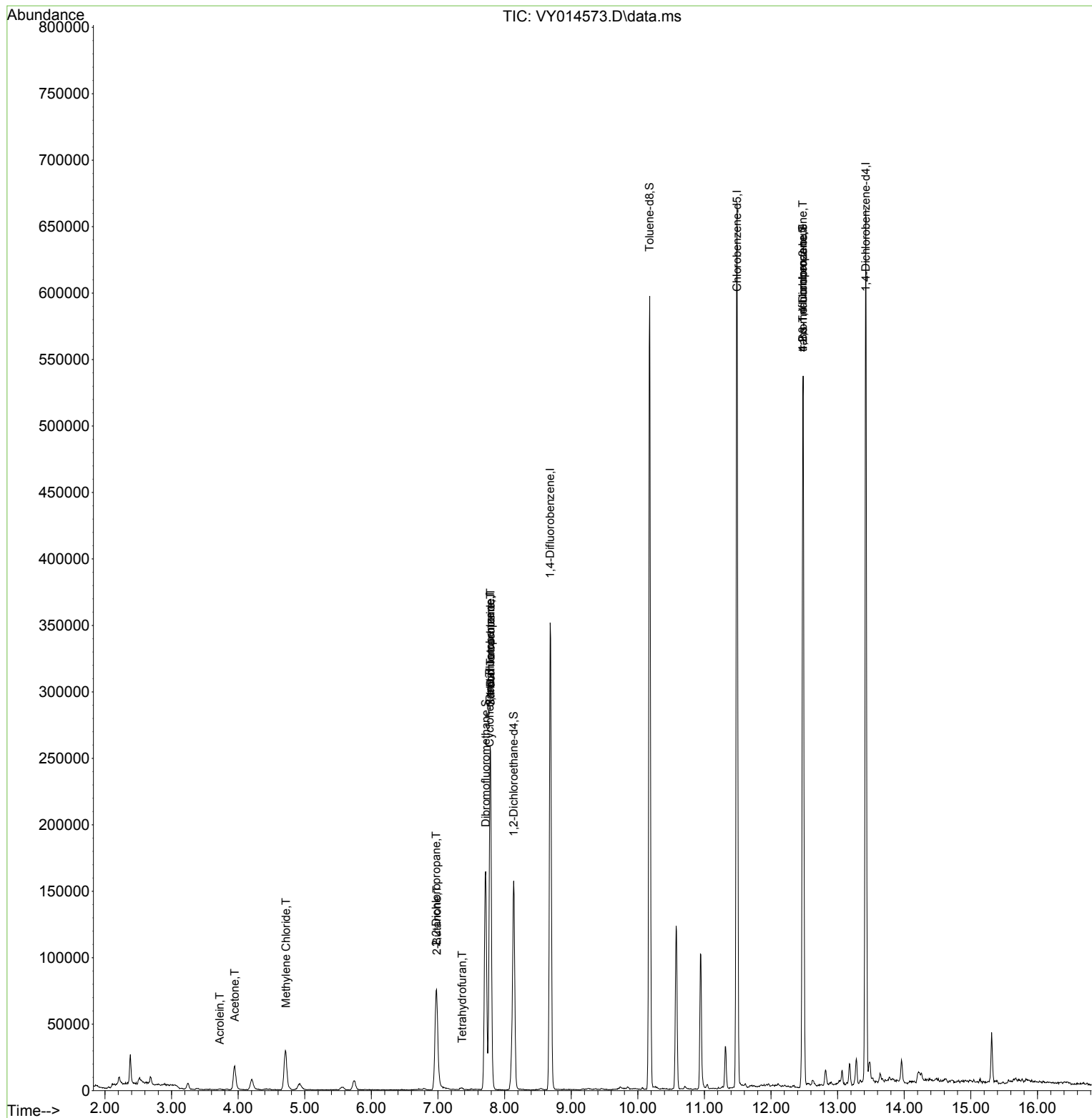
Internal Standards						
1) Pentafluorobenzene	7.783	168	231515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	384413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	183406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114719	49.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.620%
35) Dibromofluoromethane	7.716	113	119047	58.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.860%
50) Toluene-d8	10.179	98	413480	51.337	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.680%
62) 4-Bromofluorobenzene	12.477	95	144292	51.593	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	221	Below Cal	#	43
11) Tert butyl alcohol	4.924	59	5304	Below Cal	#	96
13) Acrolein	3.723	56	556	1.333	ug/l	84
16) Acetone	3.948	43	31589	43.921	ug/l	93
20) Methylene Chloride	4.716	84	23856	4.471	ug/l #	81
25) 2-Butanone	6.984	43	10674	10.023	ug/l	98
26) 2,2-Dichloropropane	6.972	77	5858	1.623	ug/l #	54
29) Tetrahydrofuran	7.362	42	954	1.389	ug/l	95
31) Cyclohexane	7.777	56	3663	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14089	4.516	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19543	6.000	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	67990	31.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67990	61.489	ug/l #	11

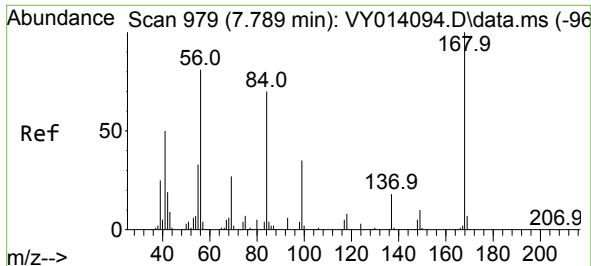
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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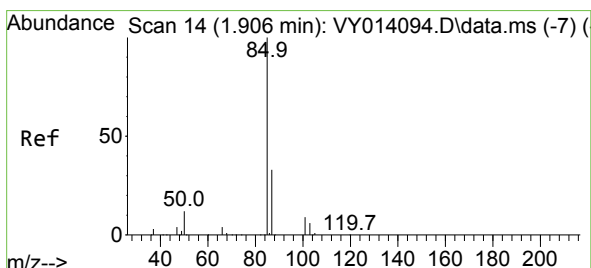
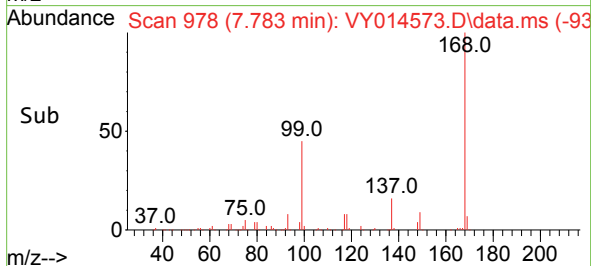
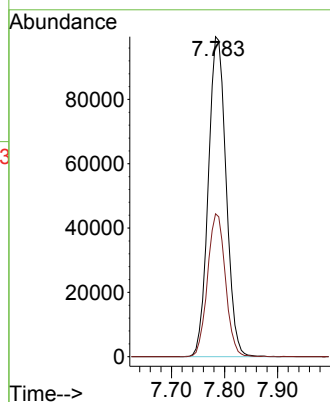
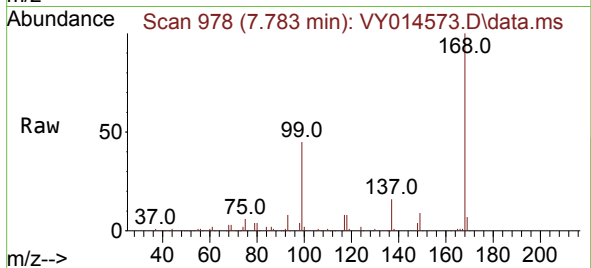




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

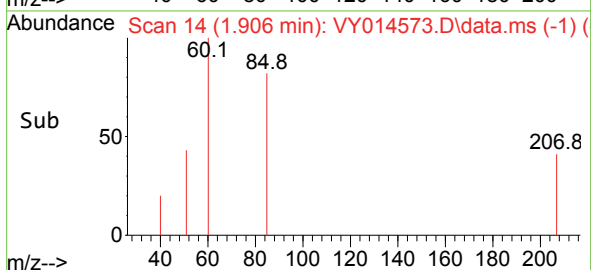
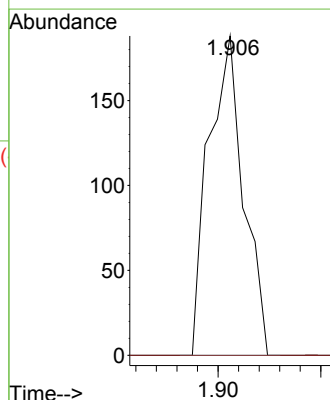
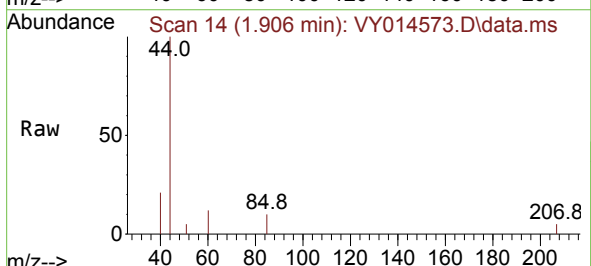
Instrument :
MSVOA_Y
ClientSampleId :
CP-5

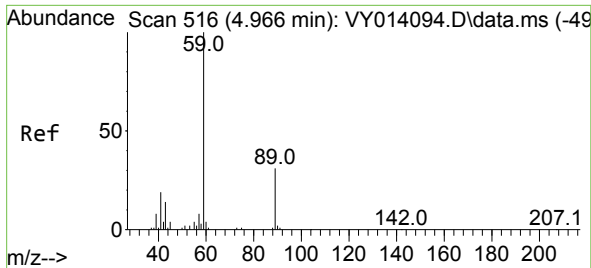
Tgt Ion:168 Resp: 231515
Ion Ratio Lower Upper
168 100
99 44.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

Tgt Ion: 85 Resp: 221
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

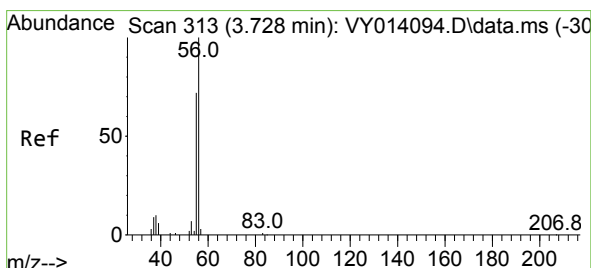
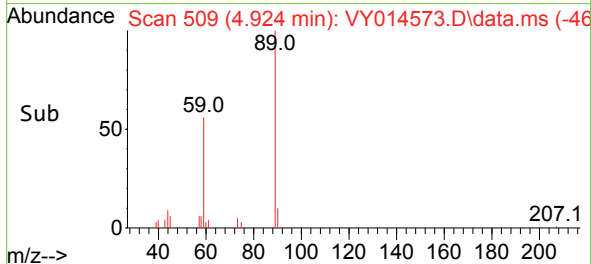
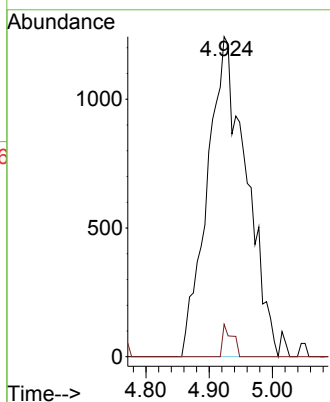
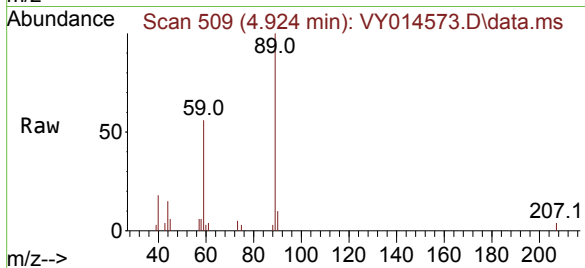




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

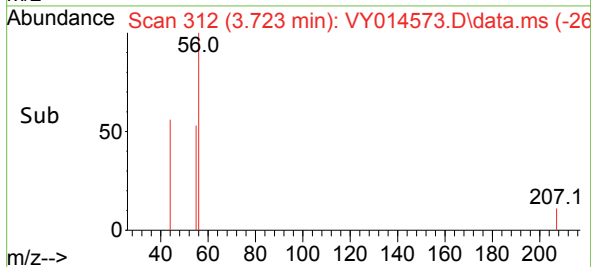
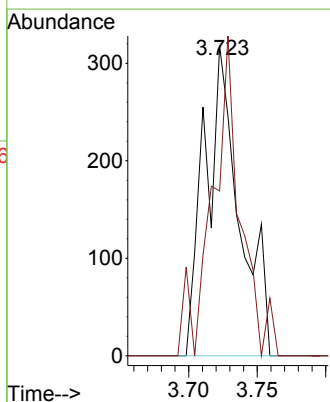
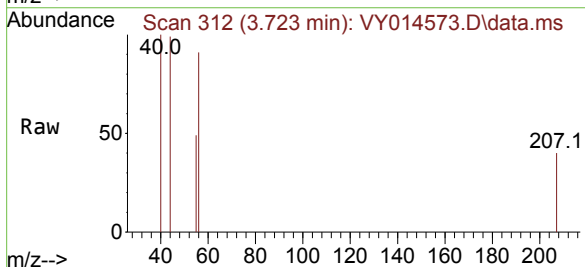
Instrument :
MSVOA_Y
ClientSampleId :
CP-5

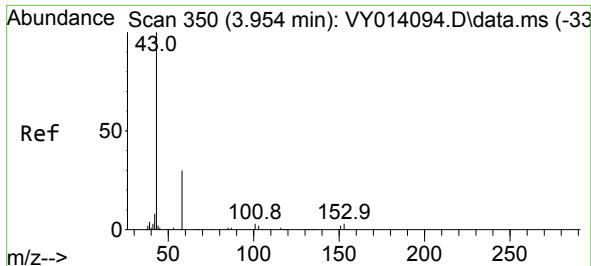
Tgt Ion: 59 Resp: 5304
Ion Ratio Lower Upper
59 100
57 2.5 3.0 4.4#



#13
Acrolein
Concen: 1.333 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.005 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

Tgt Ion: 56 Resp: 556
Ion Ratio Lower Upper
56 100
55 84.4 57.0 85.4

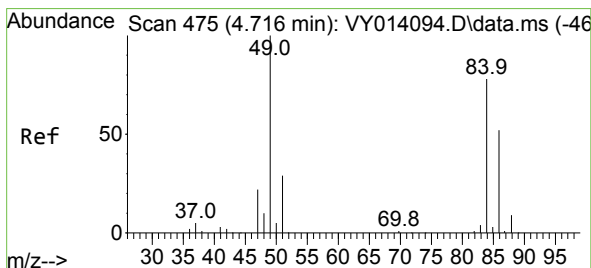
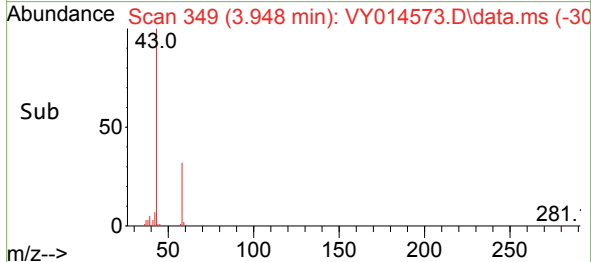
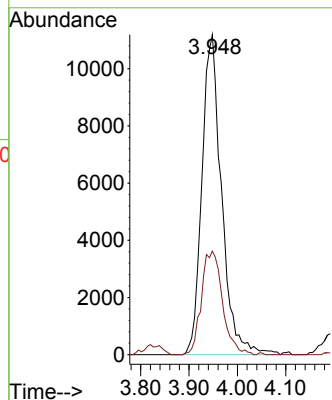
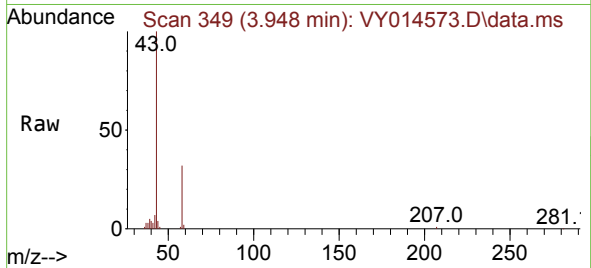




#16
Acetone
Concen: 43.921 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

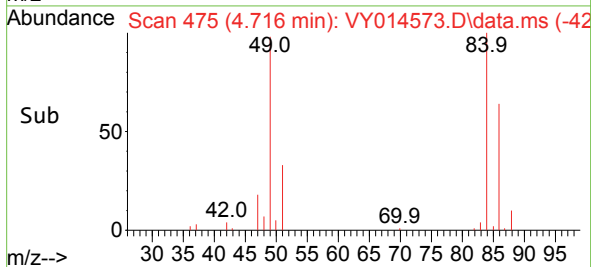
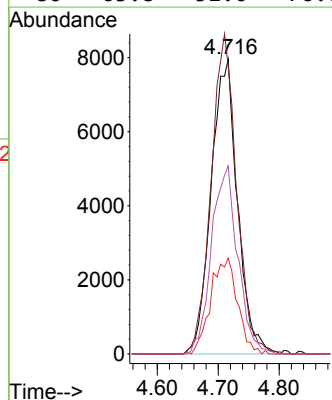
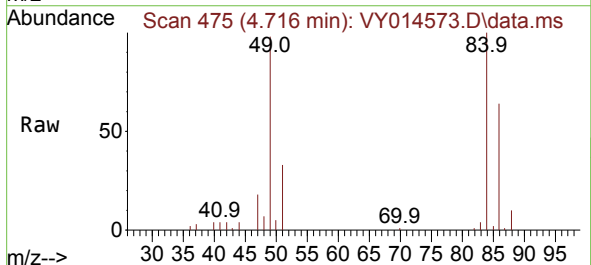
Instrument :
MSVOA_Y
ClientSampleId :
CP-5

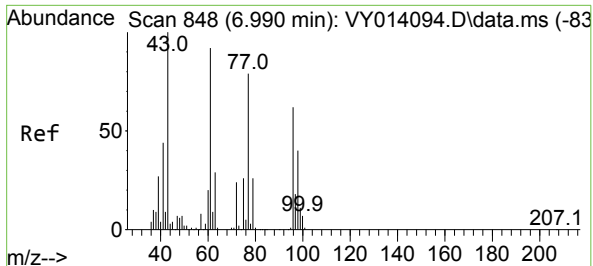
Tgt Ion: 43 Resp: 31589
Ion Ratio Lower Upper
43 100
58 32.3 22.7 34.1



#20
Methylene Chloride
Concen: 4.471 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

Tgt Ion: 84 Resp: 23856
Ion Ratio Lower Upper
84 100
49 97.7 106.9 160.3#
51 32.5 33.2 49.8#
86 63.8 51.0 76.6





#25

2-Butanone

Concen: 10.023 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014573.D

Acq: 05 Jul 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

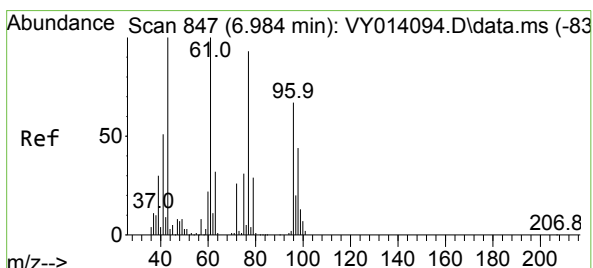
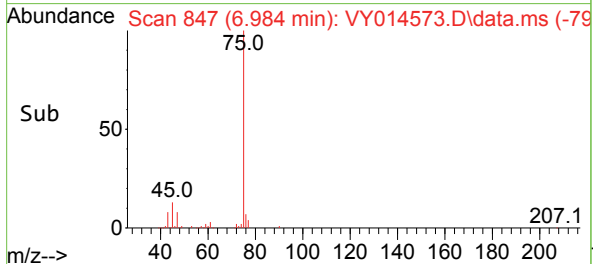
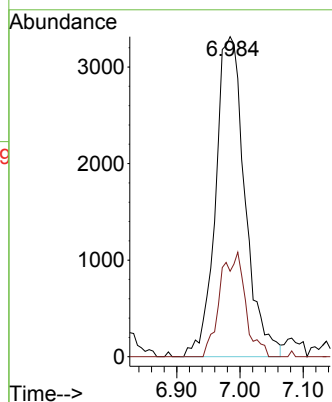
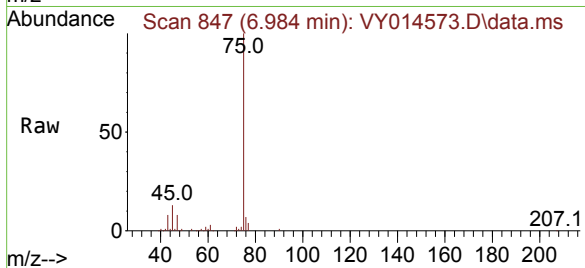
CP-5

Tgt Ion: 43 Resp: 10674

Ion Ratio Lower Upper

43 100

72 26.7 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.623 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY014573.D

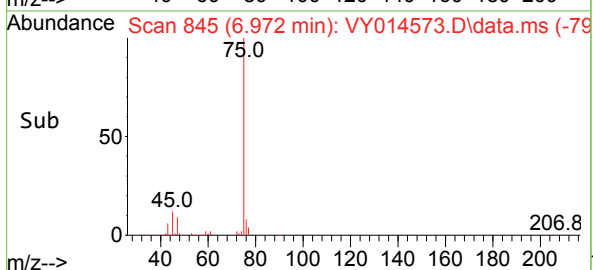
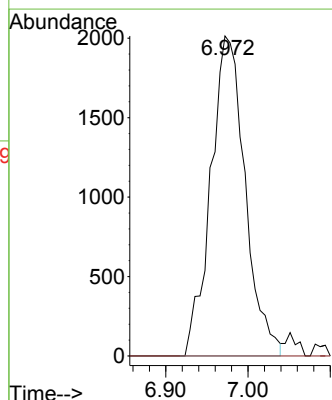
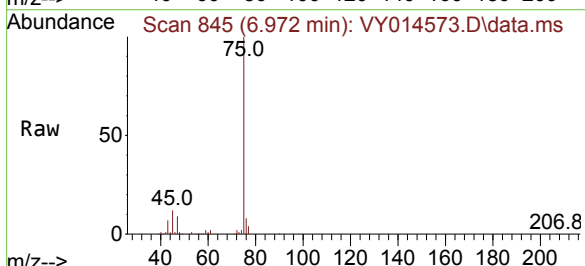
Acq: 05 Jul 2023 21:05

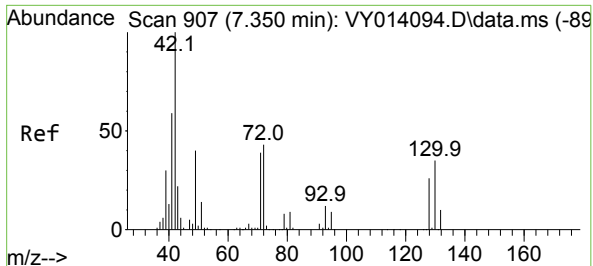
Tgt Ion: 77 Resp: 5858

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.389 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014573.D

Acq: 05 Jul 2023 21:05

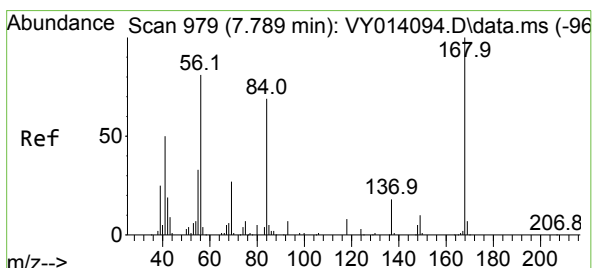
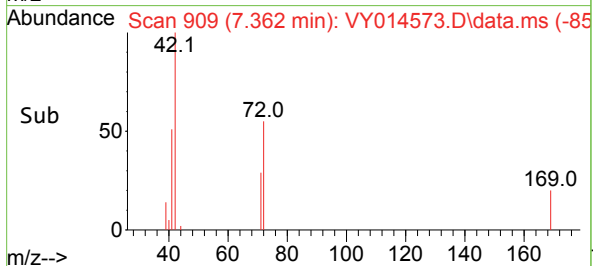
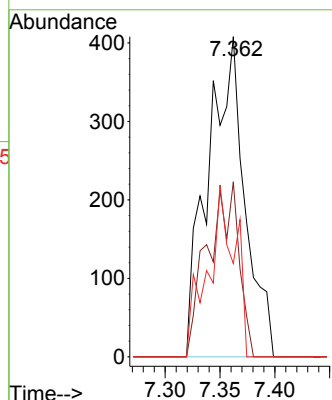
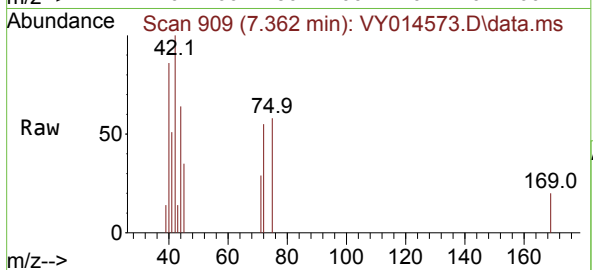
Instrument :

MSVOA_Y

ClientSampleId :

CP-5

Tgt Ion: 42	Resp: 954
Ion Ratio	Lower Upper
42	100
72	46.0 32.8 49.2
71	39.6 31.0 46.4



#31

Cyclohexane

Concen: 1.014 ug/l

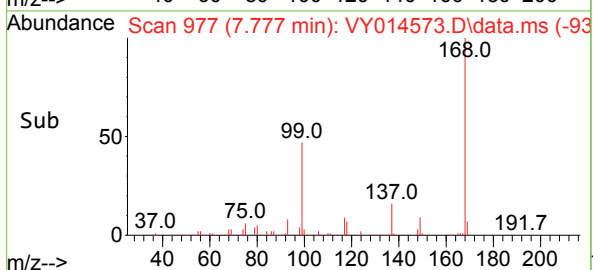
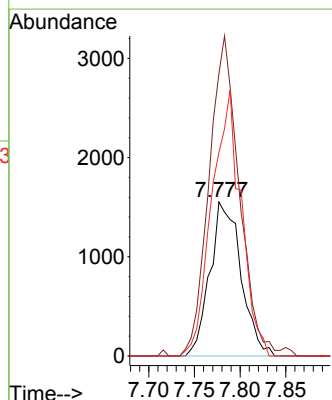
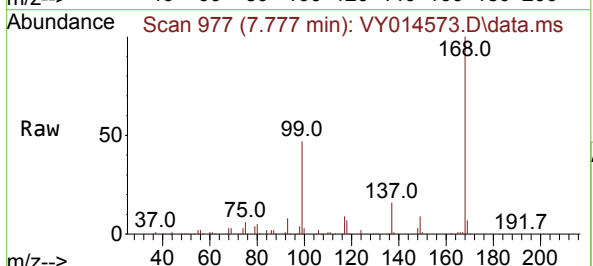
RT: 7.777 min Scan# 977

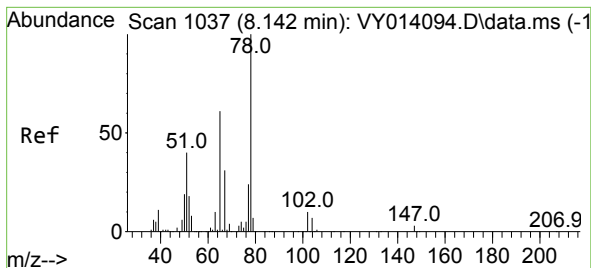
Delta R.T. -0.012 min

Lab File: VY014573.D

Acq: 05 Jul 2023 21:05

Tgt Ion: 56	Resp: 3663
Ion Ratio	Lower Upper
56	100
69	183.4 27.8 41.6#
84	132.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.811 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014573.D

Acq: 05 Jul 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

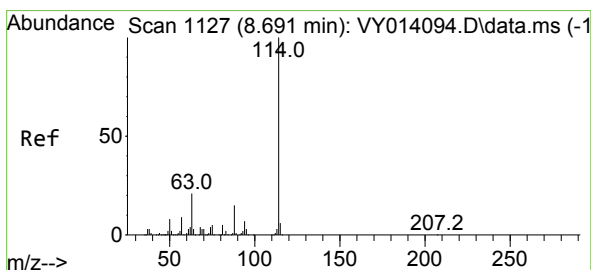
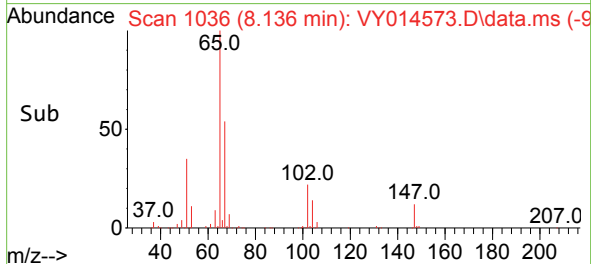
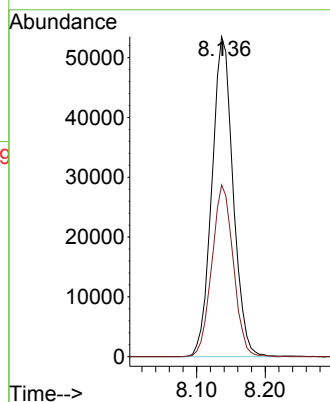
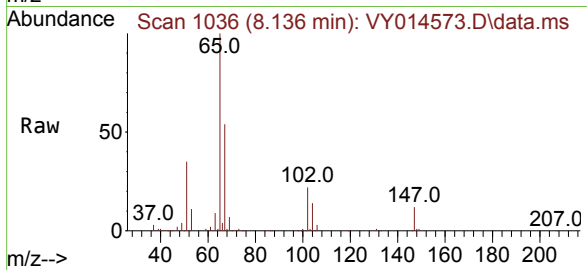
CP-5

Tgt Ion: 65 Resp: 114719

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# 1126

Delta R.T. -0.006 min

Lab File: VY014573.D

Acq: 05 Jul 2023 21:05

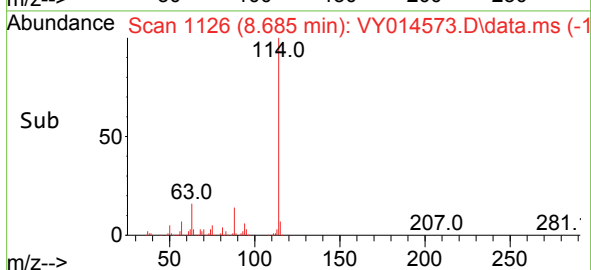
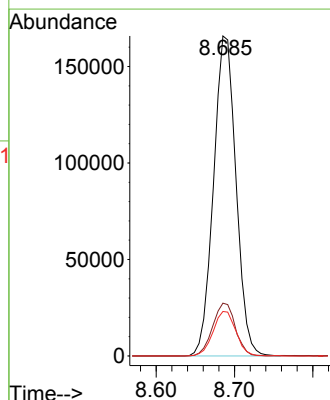
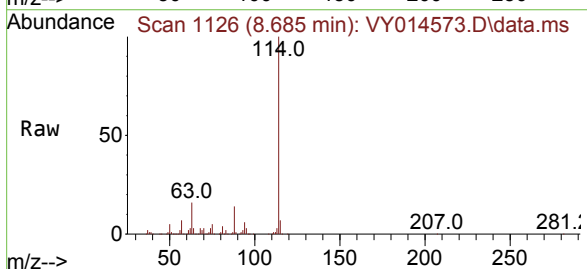
Tgt Ion:114 Resp: 330855

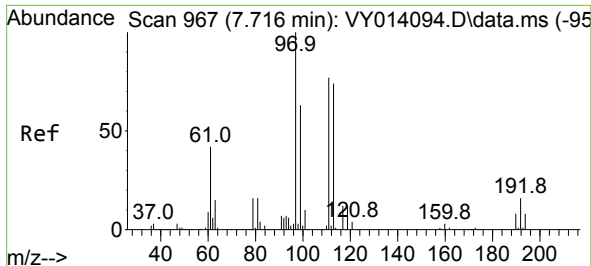
Ion Ratio Lower Upper

114 100

63 16.5 0.0 42.4

88 13.9 0.0 30.6

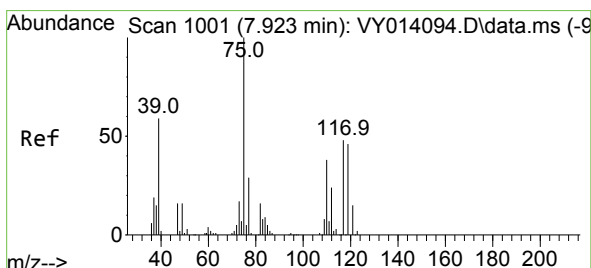
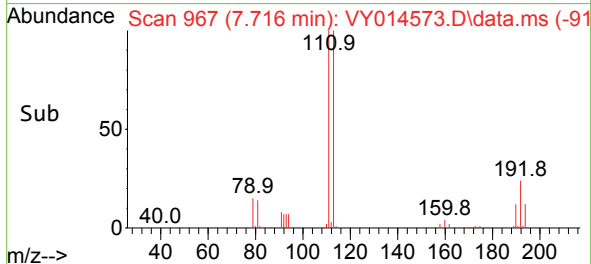
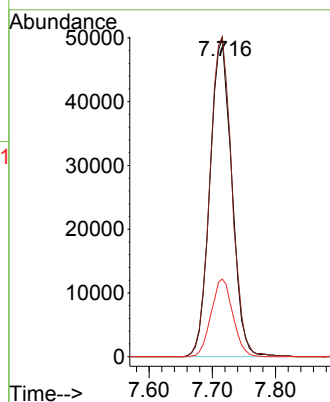
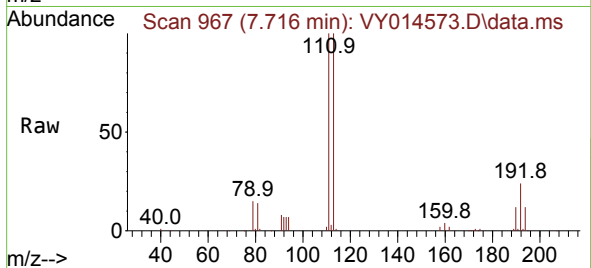




#35
Dibromofluoromethane
Concen: 58.430 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

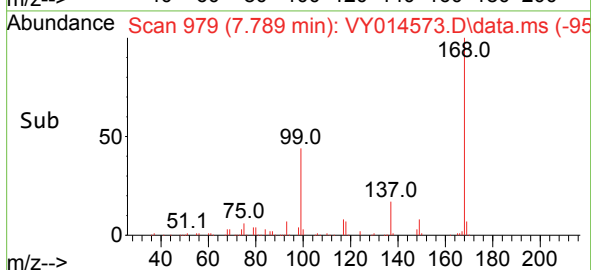
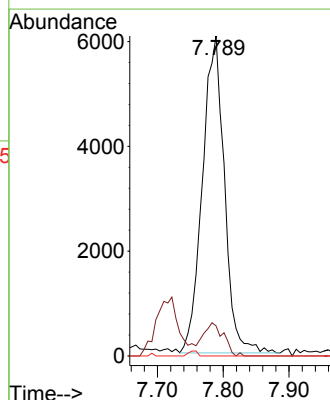
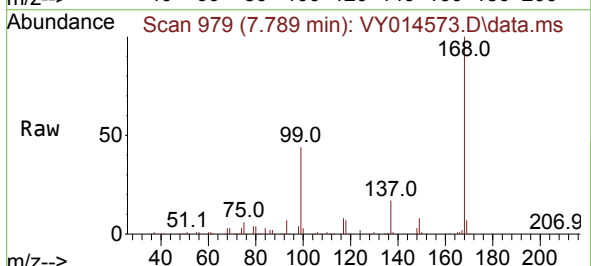
Instrument :
MSVOA_Y
ClientSampleId :
CP-5

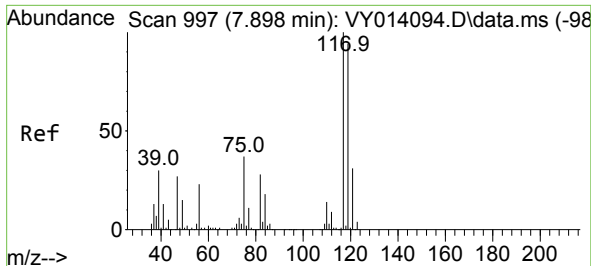
Tgt Ion:113 Resp: 119047
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 24.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.516 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

Tgt Ion: 75 Resp: 14089
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#

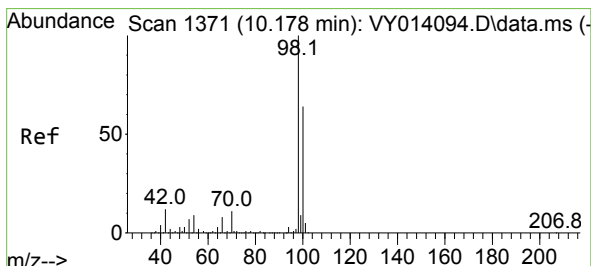
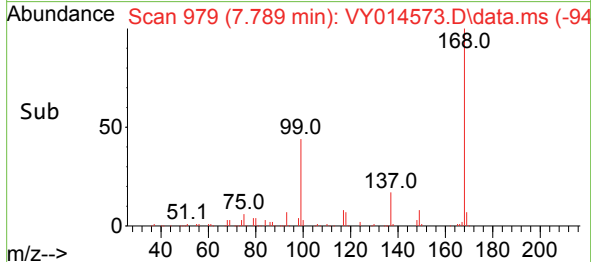
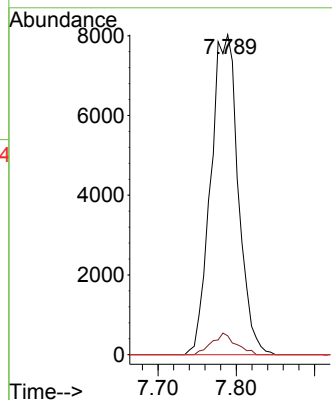
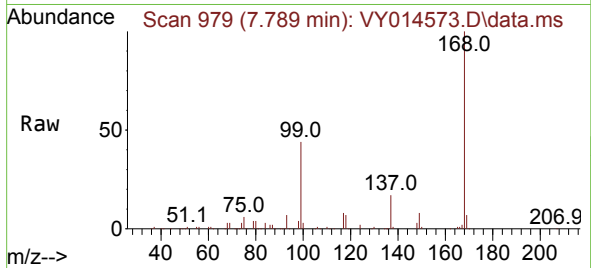




#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

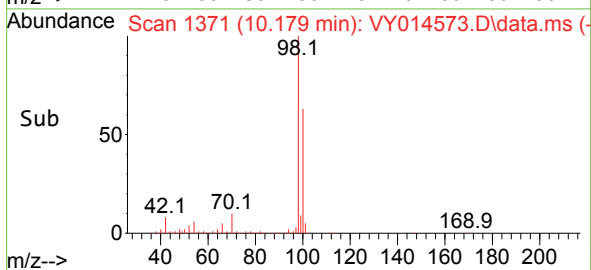
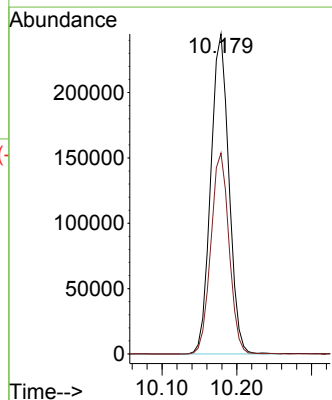
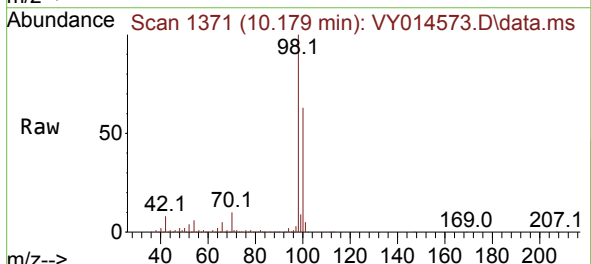
Instrument :
MSVOA_Y
ClientSampleId :
CP-5

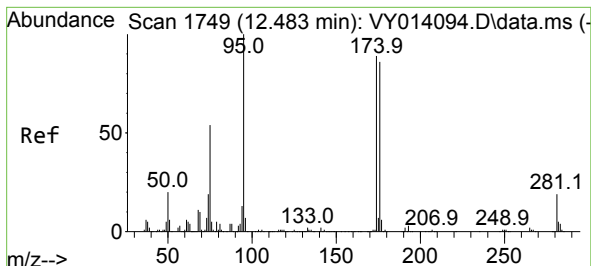
Tgt Ion:117 Resp: 19543
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.337 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

Tgt Ion: 98 Resp: 413480
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1

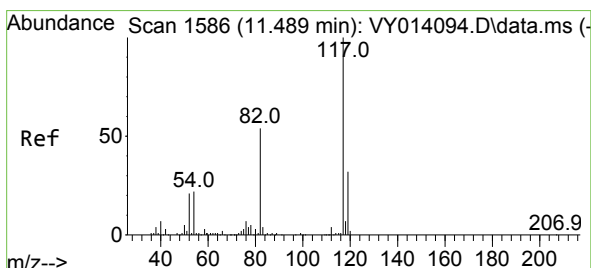
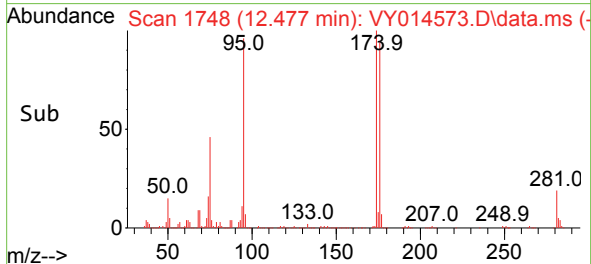
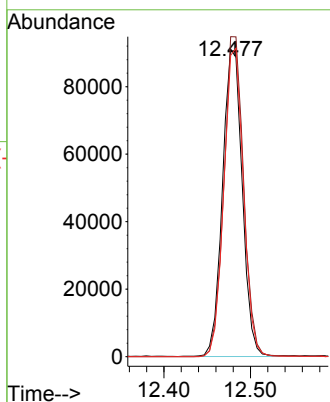
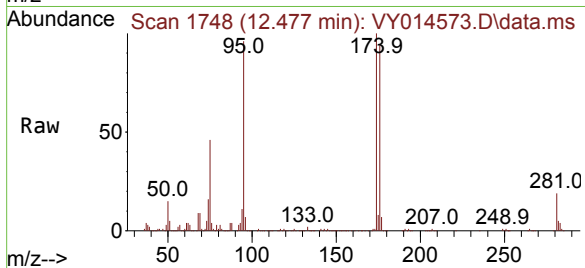




#62
4-Bromofluorobenzene
Concen: 51.593 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

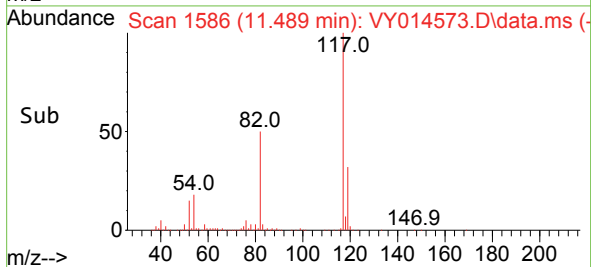
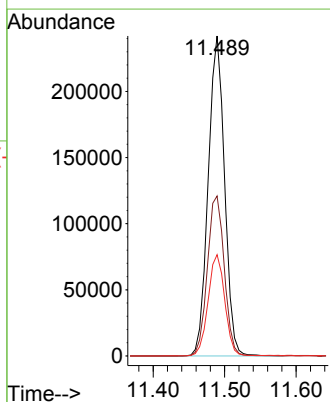
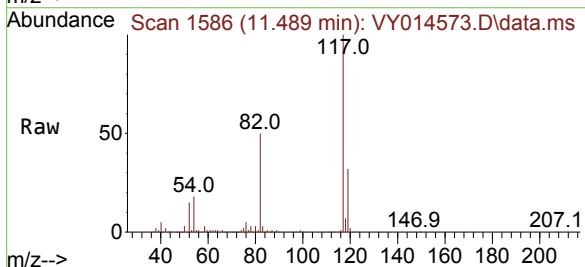
Instrument :
MSVOA_Y
ClientSampleId :
CP-5

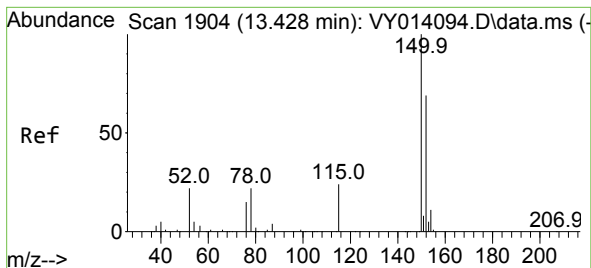
Tgt Ion: 95 Resp: 144292
Ion Ratio Lower Upper
95 100
174 104.4 0.0 178.2
176 99.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014573.D
Acq: 05 Jul 2023 21:05

Tgt Ion: 117 Resp: 384413
Ion Ratio Lower Upper
117 100
82 50.0 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014573.D

Acq: 05 Jul 2023 21:05

Instrument :

MSVOA_Y

ClientSampleId :

CP-5

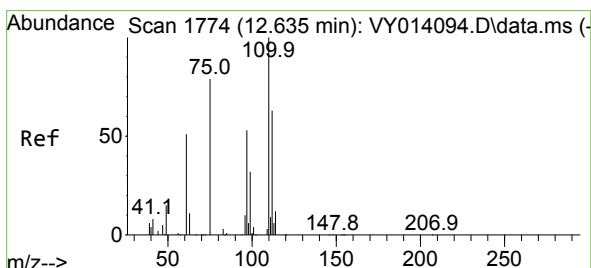
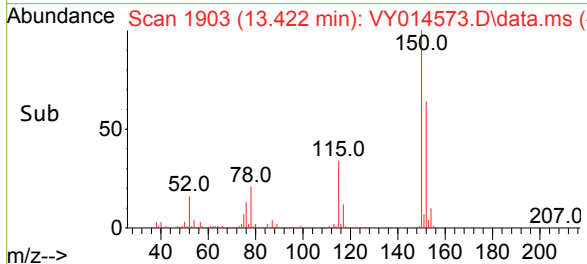
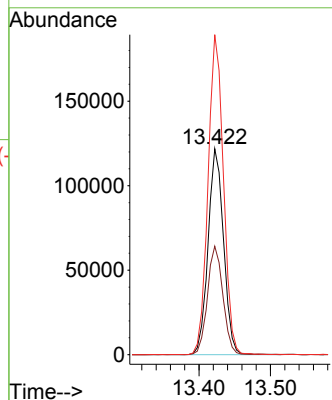
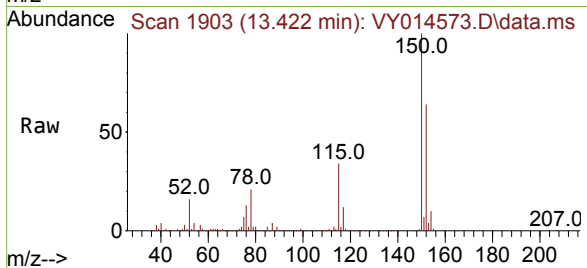
Tgt Ion:152 Resp: 183406

Ion Ratio Lower Upper

152 100

115 52.3 28.8 86.5

150 154.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 31.591 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014573.D

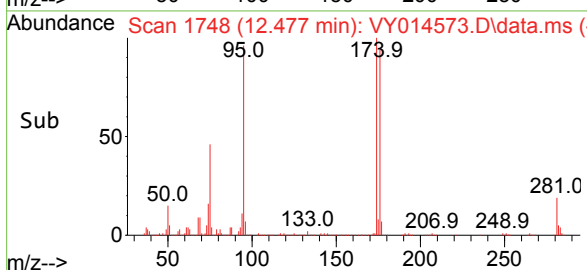
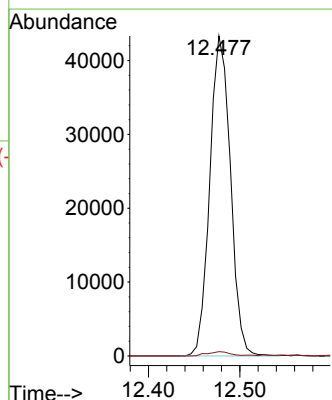
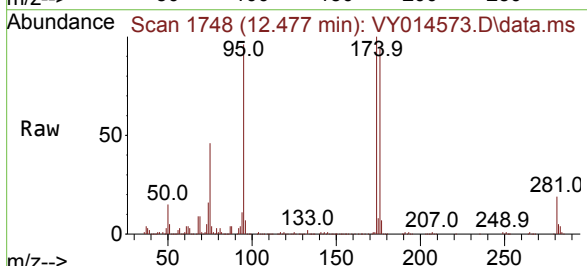
Acq: 05 Jul 2023 21:05

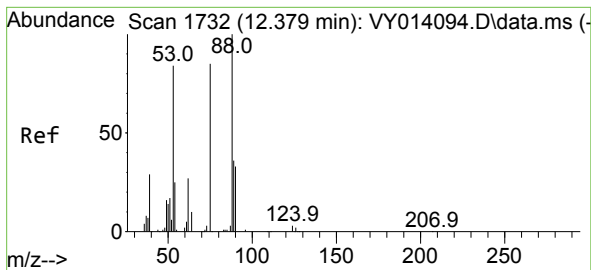
Tgt Ion: 75 Resp: 67990

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.489 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014573.D
 Acq: 05 Jul 2023 21:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-5

Tgt Ion: 75 Resp: 67990
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

