

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014572.D
 Acq On : 05 Jul 2023 20:41
 Operator : KP/MD
 Sample : 03514-01
 Misc : 2.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-4

Quant Time: Jul 06 01:38:39 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)

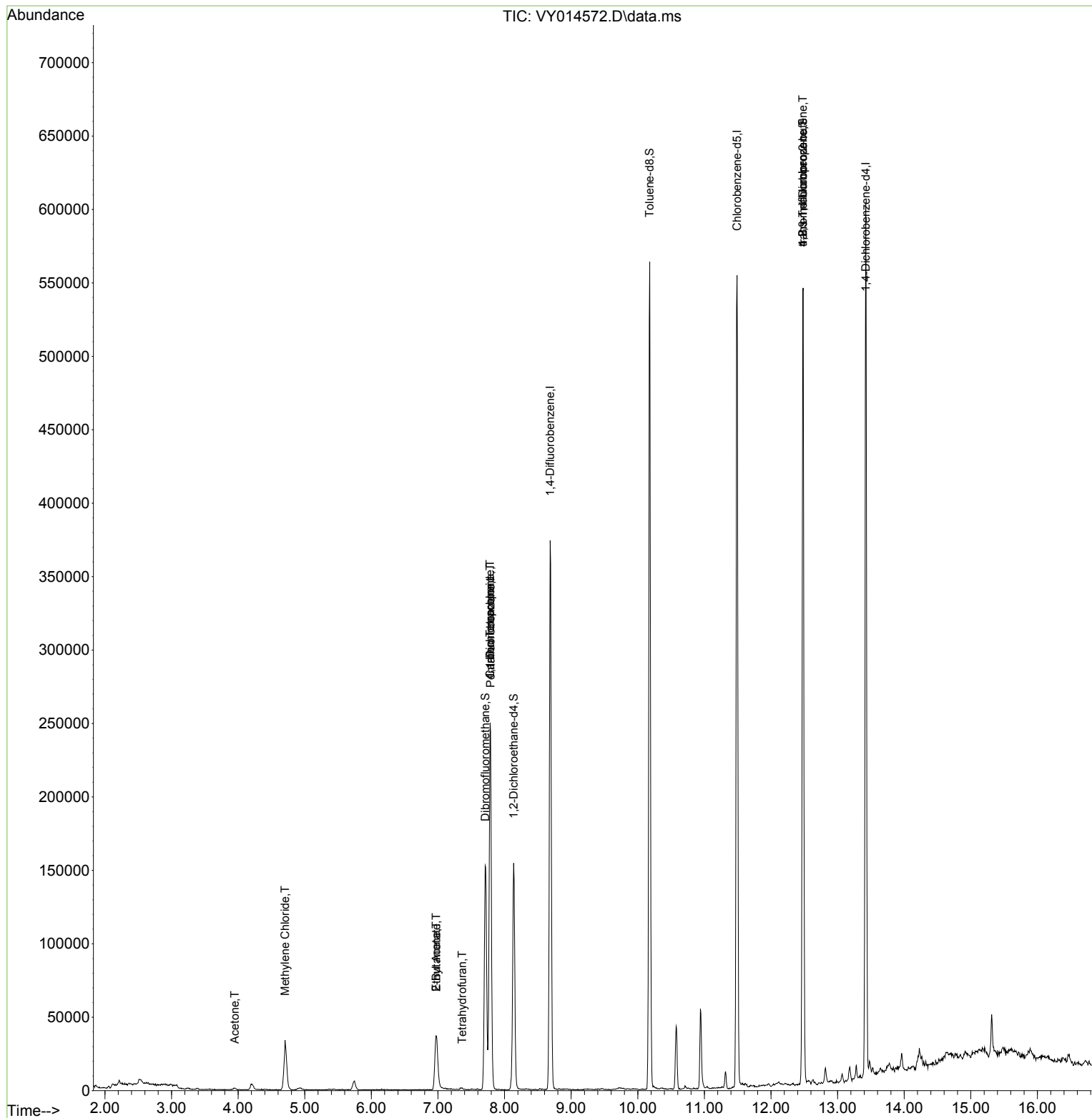
Internal Standards						
1) Pentafluorobenzene	7.789	168	222352	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	343354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	352838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	118905	53.756	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 107.520%		
35) Dibromofluoromethane	7.710	113	110477	52.250	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 104.500%		
50) Toluene-d8	10.179	98	392058	46.906	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 93.820%		
62) 4-Bromofluorobenzene	12.477	95	157374	54.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 108.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	20	Below Cal	#	43
11) Tert butyl alcohol	4.985	59	186	Below Cal	#	89
13) Acrolein	3.619	56	21	Below Cal	#	14
16) Acetone	3.948	43	2251	3.259	ug/l	95
20) Methylene Chloride	4.704	84	24849	5.338	ug/l	87
25) 2-Butanone	6.972	43	3830	3.745	ug/l	# 86
29) Tetrahydrofuran	7.362	42	786	1.191	ug/l	# 62
36) 1,1-Dichloropropene	7.783	75	13564	4.189	ug/l	# 48
37) Ethyl Acetate	6.972	43	3830	1.725	ug/l	# 31
38) Carbon Tetrachloride	7.783	117	17989	5.322	ug/l	# 18
76) 1,2,3-Trichloropropane	12.477	75	75364	36.864	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	75364	71.753	ug/l	# 11

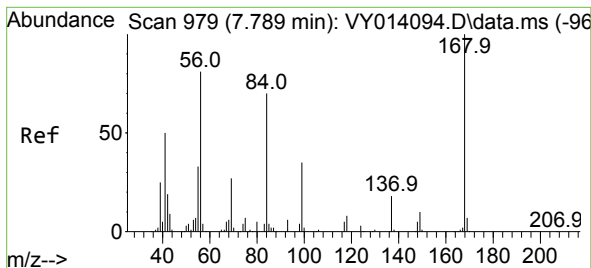
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY014572.D

Acq: 05 Jul 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

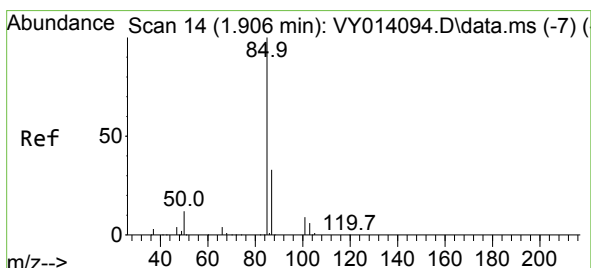
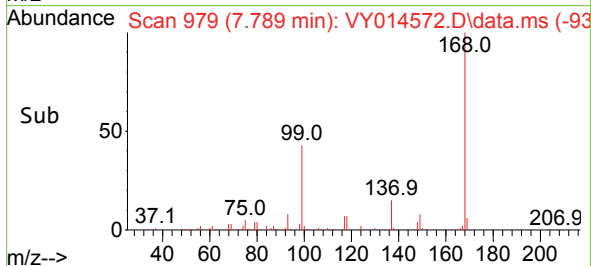
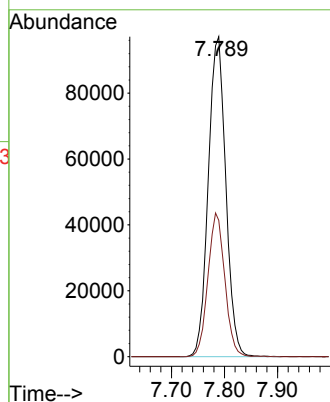
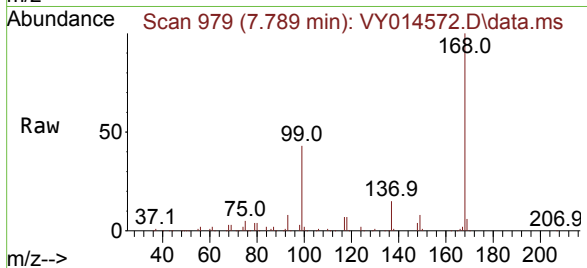
CP-4

Tgt Ion:168 Resp: 222352

Ion Ratio Lower Upper

168 100

99 42.6 43.4 65.0#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.900 min Scan# 13

Delta R.T. -0.006 min

Lab File: VY014572.D

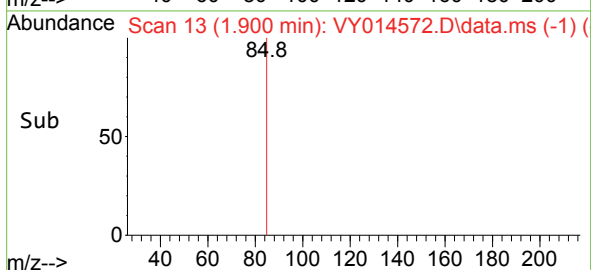
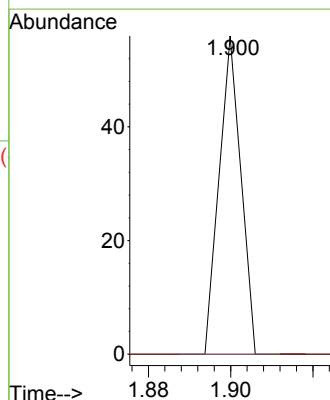
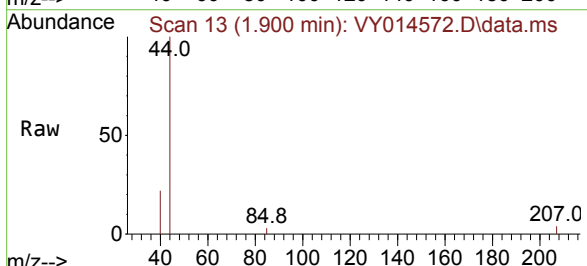
Acq: 05 Jul 2023 20:41

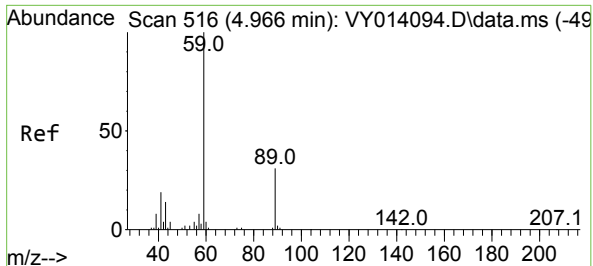
Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.985 min Scan# 51

Delta R.T. 0.019 min

Lab File: VY014572.D

Acq: 05 Jul 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

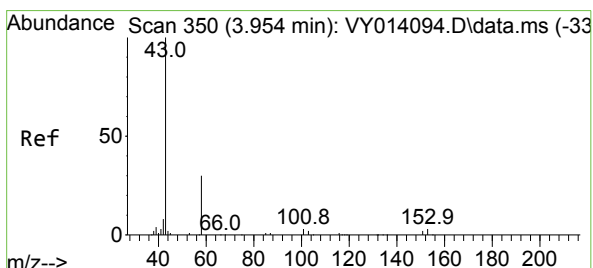
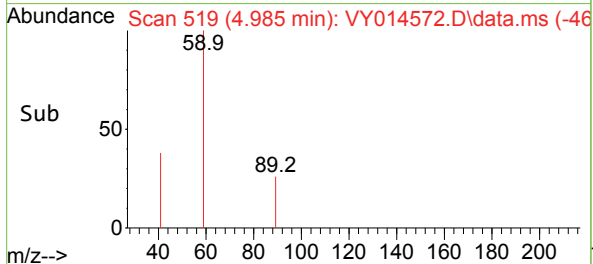
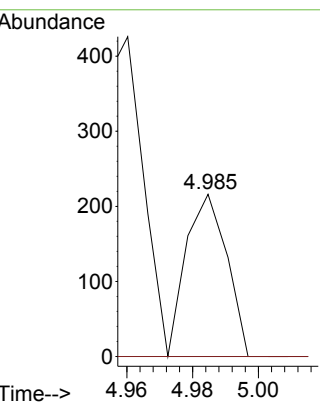
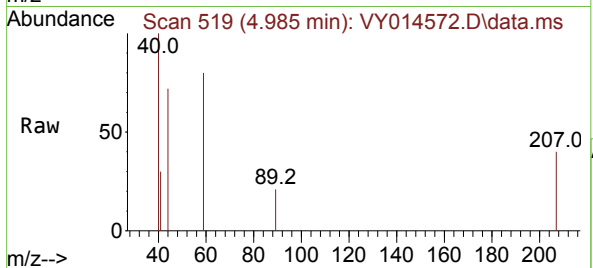
CP-4

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 3.259 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014572.D

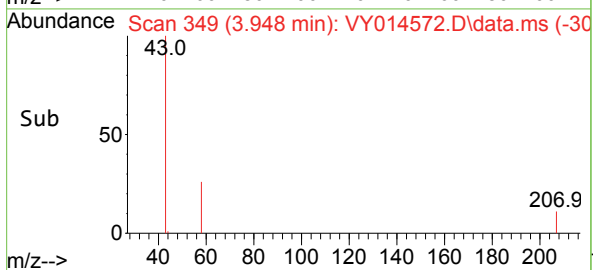
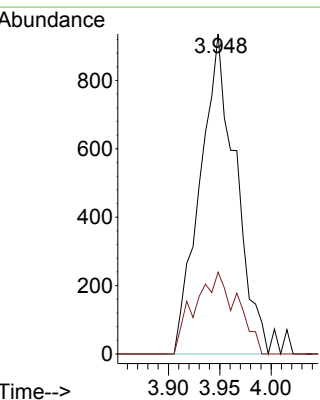
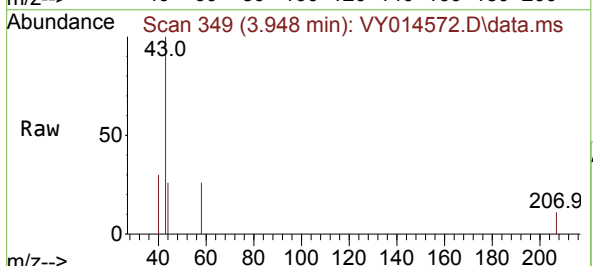
Acq: 05 Jul 2023 20:41

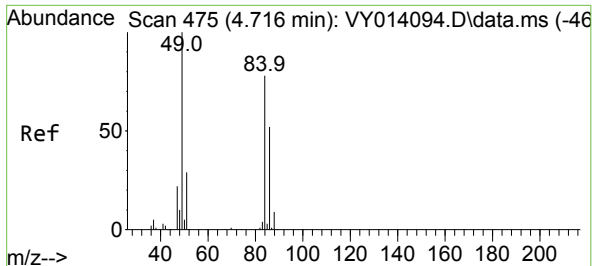
Tgt Ion: 43 Resp: 2251

Ion Ratio Lower Upper

43 100

58 25.5 22.7 34.1

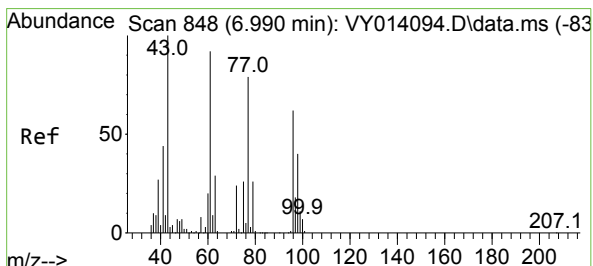
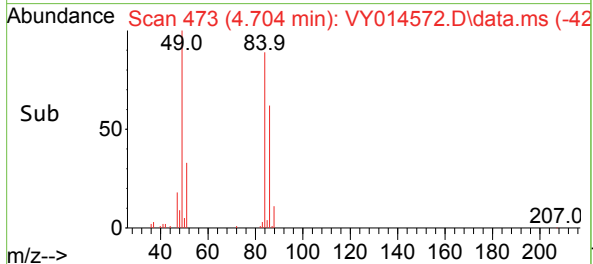
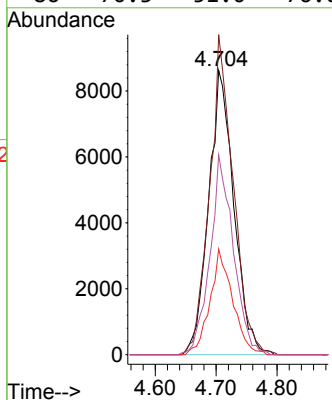
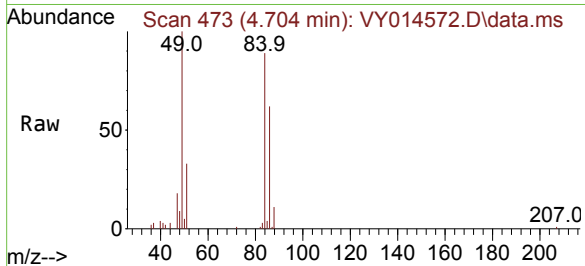




#20
Methylene Chloride
Concen: 5.338 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

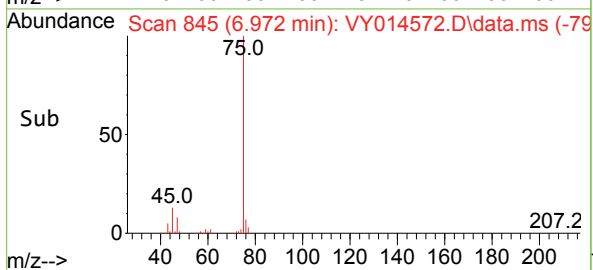
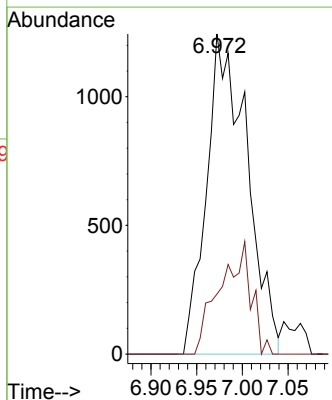
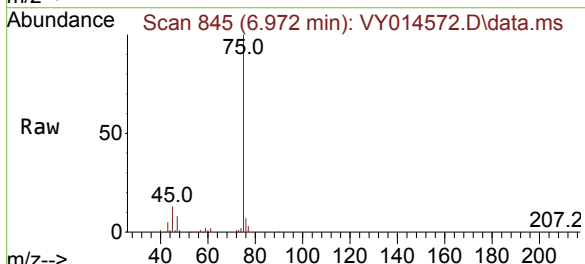
Instrument :
MSVOA_Y
ClientSampleId :
CP-4

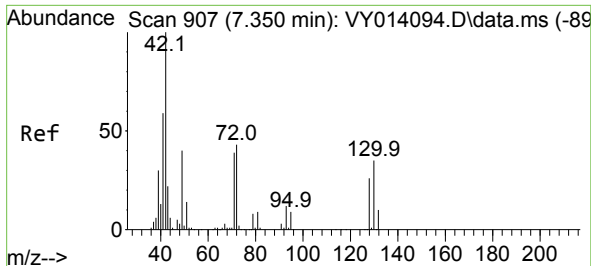
Tgt Ion:	84	Resp:	24849
Ion	Ratio	Lower	Upper
84	100		
49	112.6	106.9	160.3
51	37.1	33.2	49.8
86	70.3	51.0	76.6



#25
2-Butanone
Concen: 3.745 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

Tgt Ion:	43	Resp:	3830
Ion	Ratio	Lower	Upper
43	100		
72	18.7	20.5	30.7#





#29

Tetrahydrofuran

Concen: 1.191 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014572.D

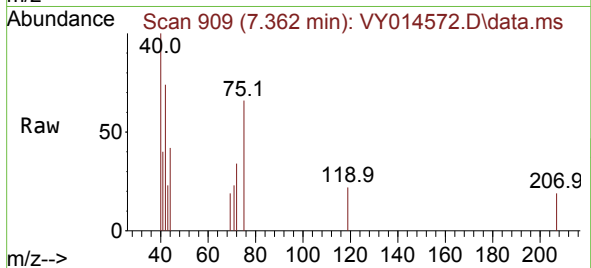
Acq: 05 Jul 2023 20:41

Instrument :

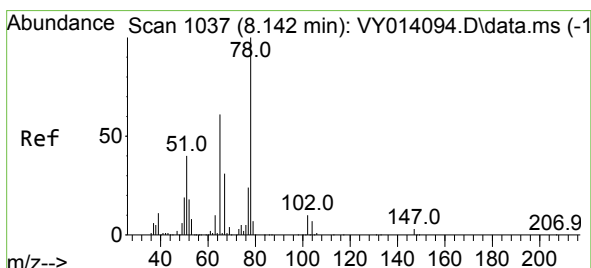
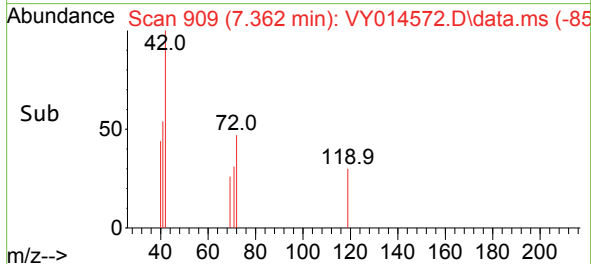
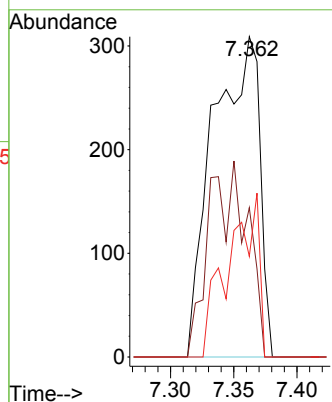
MSVOA_Y

ClientSampleId :

CP-4



Tgt Ion:	42	Resp:	786
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.8	49.2#
71	33.6	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 53.756 ug/l

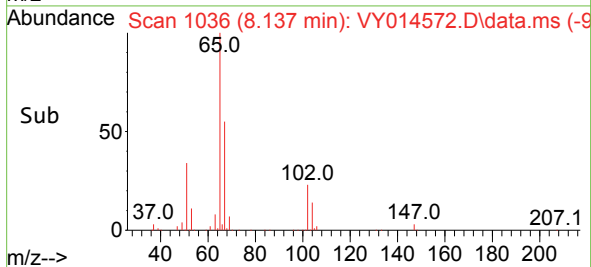
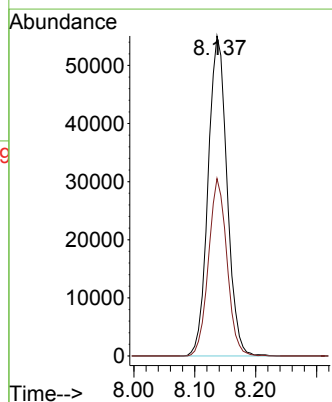
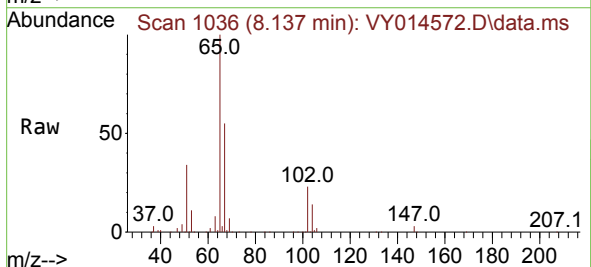
RT: 8.137 min Scan# 1036

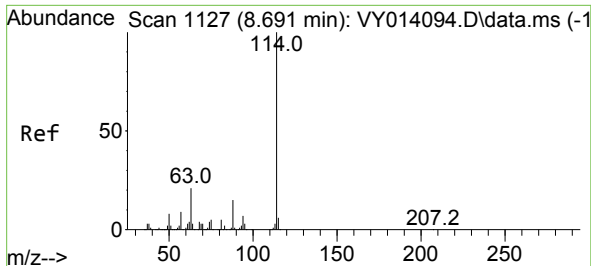
Delta R.T. -0.005 min

Lab File: VY014572.D

Acq: 05 Jul 2023 20:41

Tgt Ion:	65	Resp:	118905
Ion Ratio	Lower	Upper	
65	100		
67	54.0	0.0	101.8

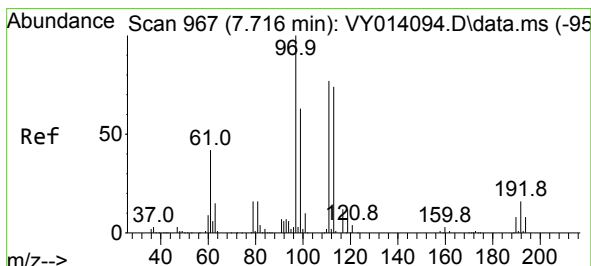
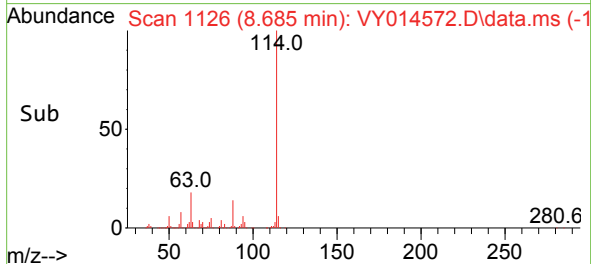
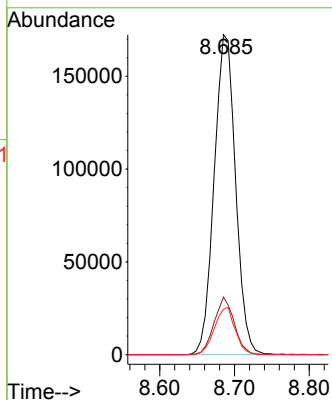
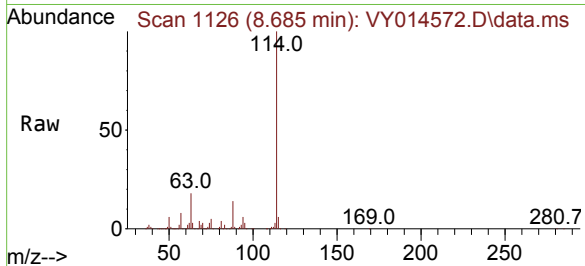




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

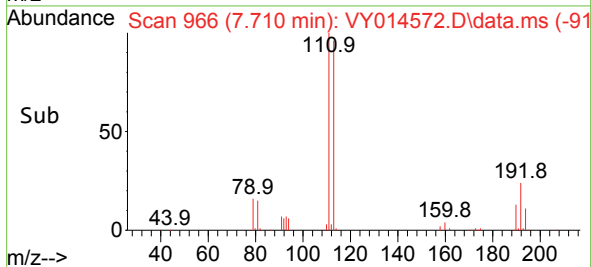
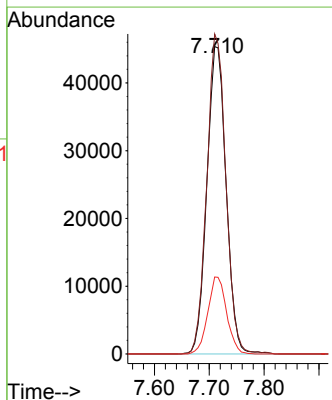
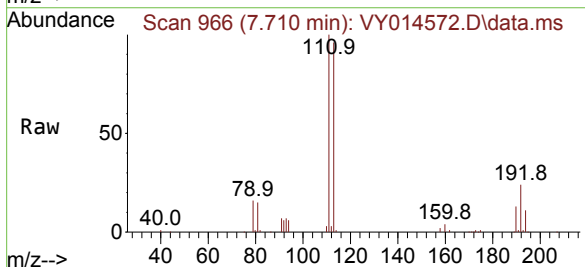
Instrument :
MSVOA_Y
ClientSampleId :
CP-4

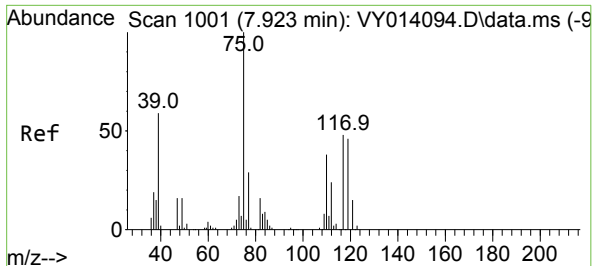
Tgt Ion:114 Resp: 343354
Ion Ratio Lower Upper
114 100
63 18.0 0.0 42.4
88 14.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.250 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

Tgt Ion:113 Resp: 110477
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 24.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.189 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY014572.D

Acq: 05 Jul 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

CP-4

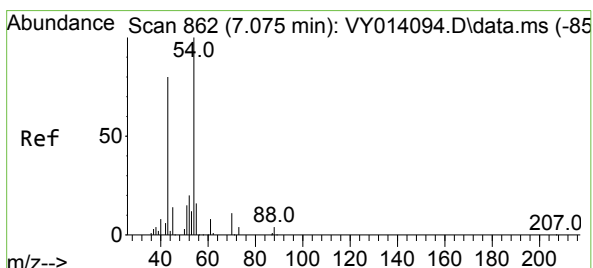
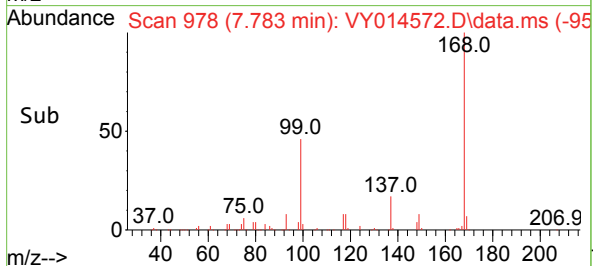
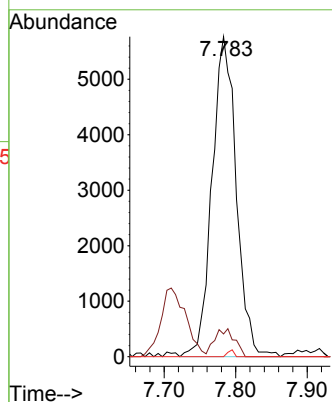
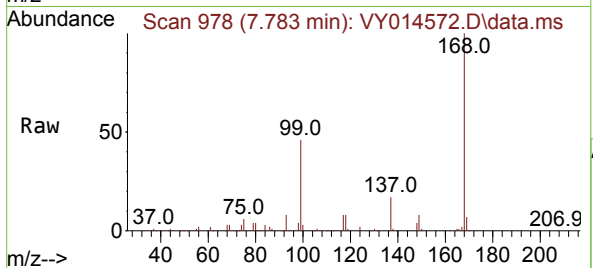
Tgt Ion: 75 Resp: 13564

Ion Ratio Lower Upper

75 100

110 7.2 17.8 53.5#

77 0.5 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.725 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.103 min

Lab File: VY014572.D

Acq: 05 Jul 2023 20:41

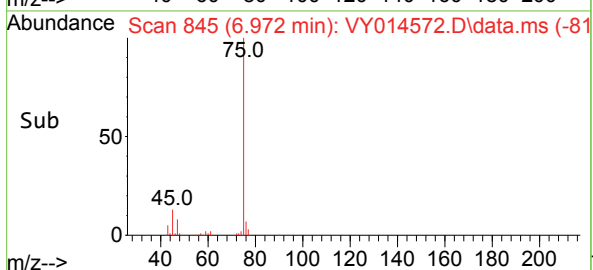
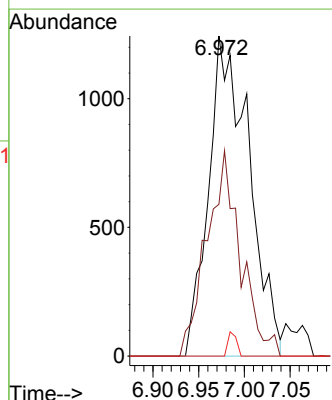
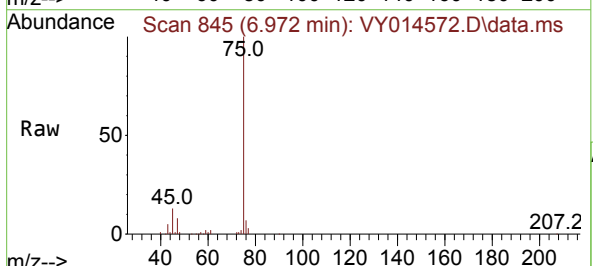
Tgt Ion: 43 Resp: 3830

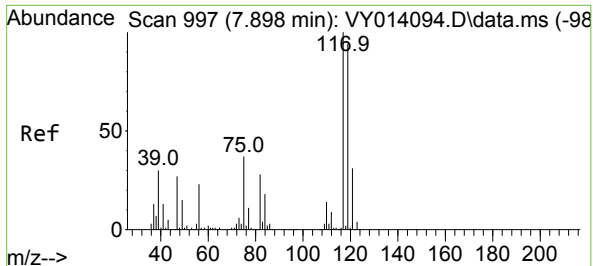
Ion Ratio Lower Upper

43 100

61 53.5 10.1 15.1#

70 1.6 7.1 10.7#

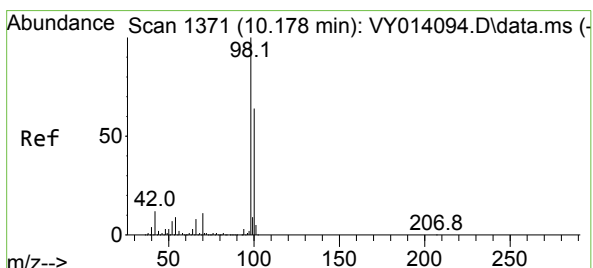
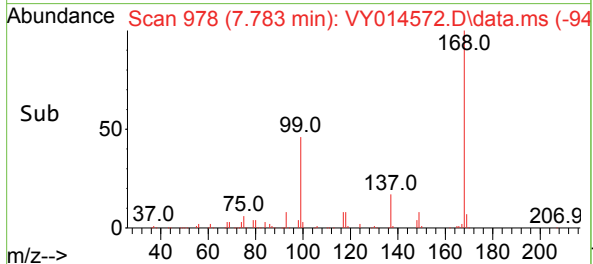
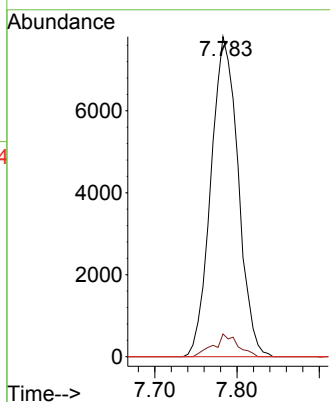
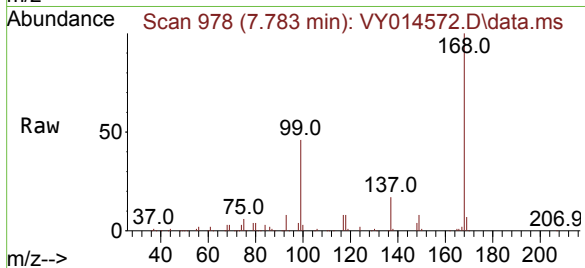




#38
Carbon Tetrachloride
Concen: 5.322 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

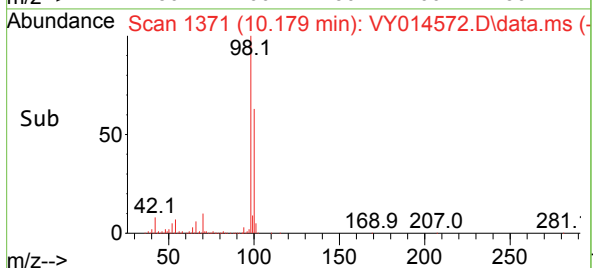
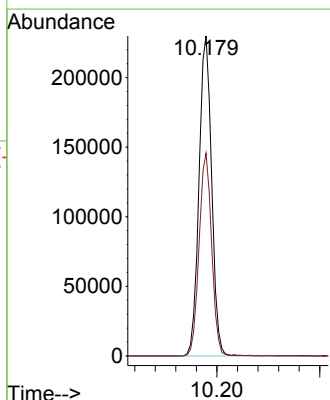
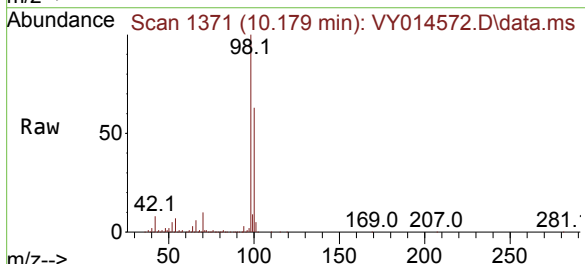
Instrument :
MSVOA_Y
ClientSampleId :
CP-4

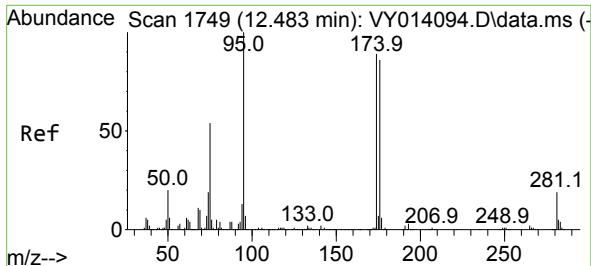
Tgt Ion:117 Resp: 17989
Ion Ratio Lower Upper
117 100
119 7.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.906 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

Tgt Ion: 98 Resp: 392058
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1

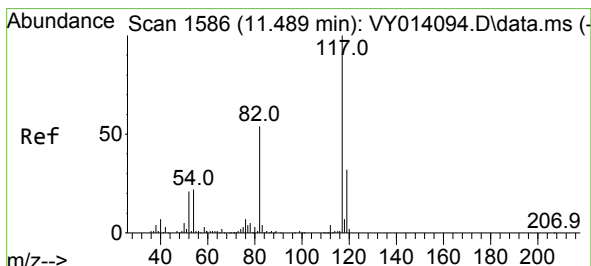
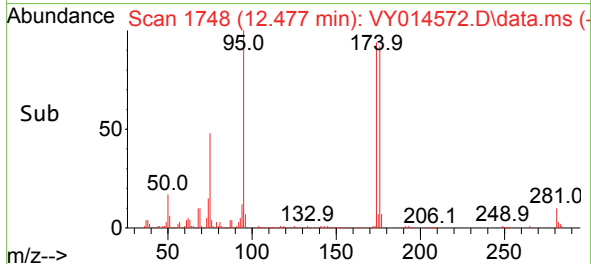
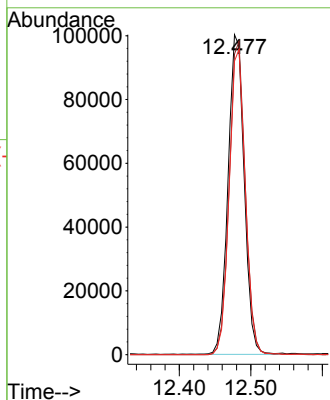
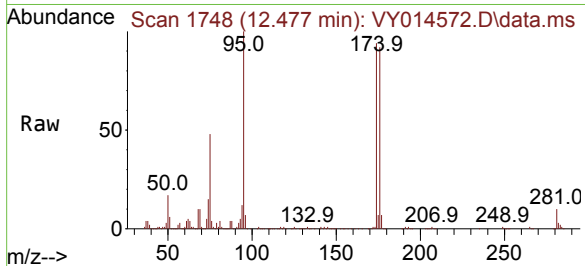




#62
4-Bromofluorobenzene
Concen: 54.222 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

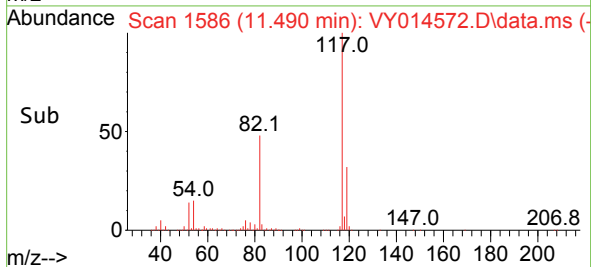
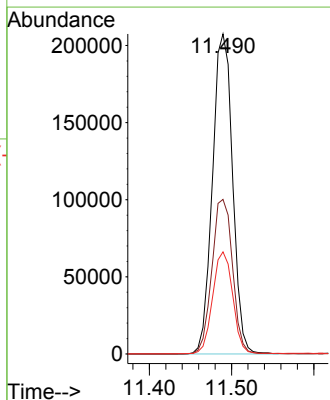
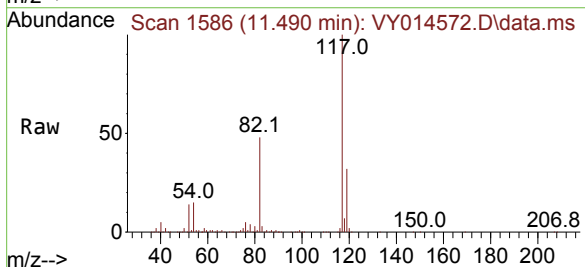
Instrument :
MSVOA_Y
ClientSampleId :
CP-4

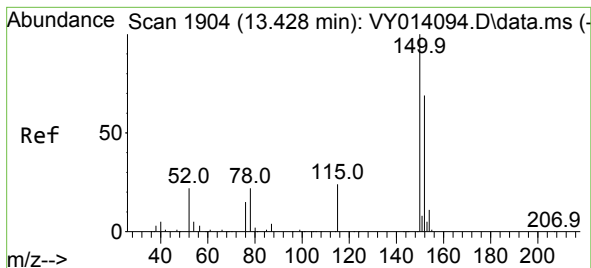
Tgt Ion: 95 Resp: 157374
Ion Ratio Lower Upper
95 100
174 97.2 0.0 178.2
176 94.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014572.D
Acq: 05 Jul 2023 20:41

Tgt Ion: 117 Resp: 352838
Ion Ratio Lower Upper
117 100
82 48.3 43.4 65.0
119 31.8 26.3 39.5

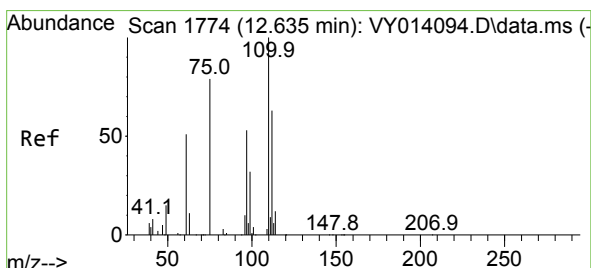
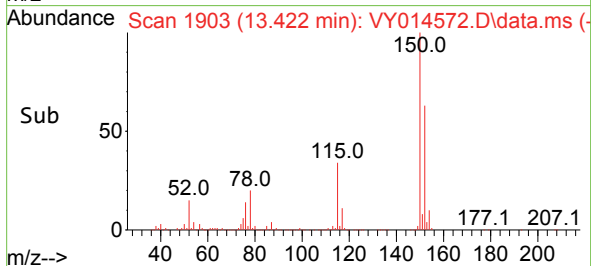
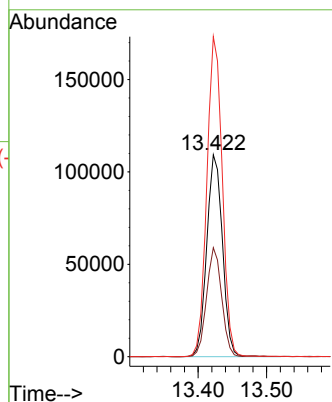
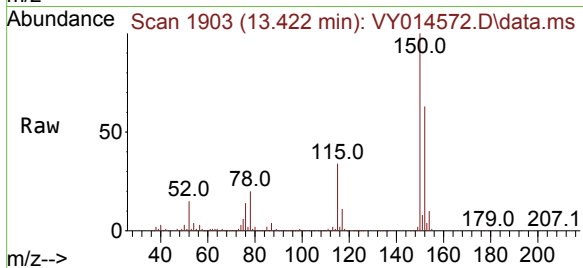




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014572.D
 Acq: 05 Jul 2023 20:41

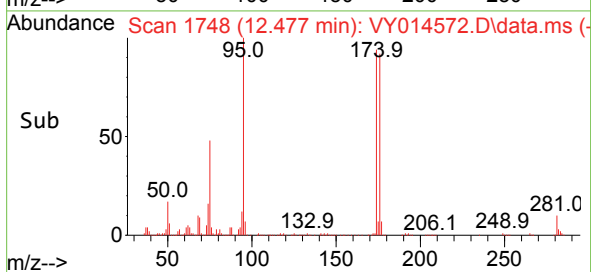
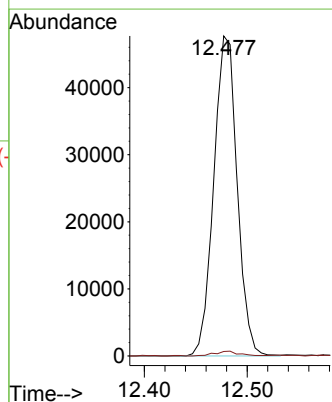
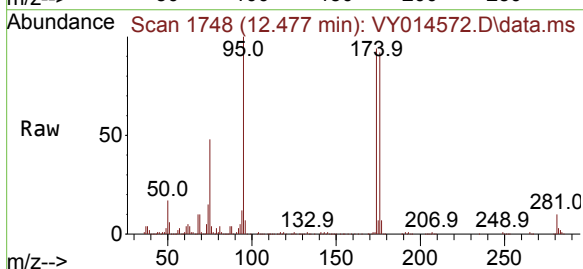
Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-4

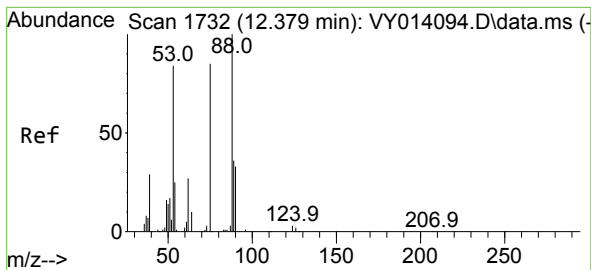
Tgt Ion:152 Resp: 174216
 Ion Ratio Lower Upper
 152 100
 115 51.9 28.8 86.5
 150 155.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 36.864 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014572.D
 Acq: 05 Jul 2023 20:41

Tgt Ion: 75 Resp: 75364
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.753 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014572.D
 Acq: 05 Jul 2023 20:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-4

Tgt Ion: 75 Resp: 75364
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.3 37.4 56.0#

