

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014549.D
 Acq On : 03 Jul 2023 20:42
 Operator : KP/MD
 Sample : 03507-07
 Misc : 4.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-3

Quant Time: Jul 04 03:06:56 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)

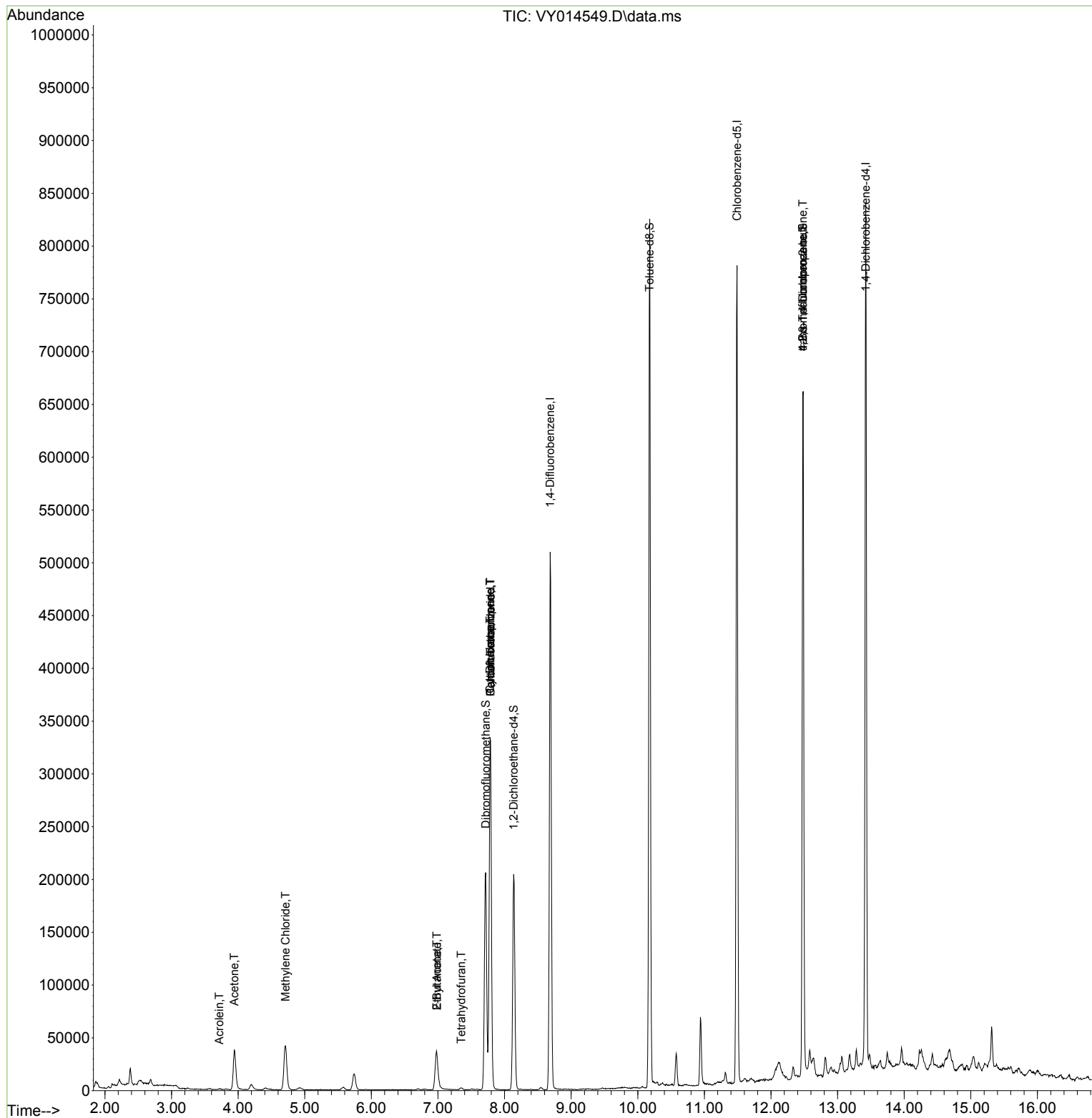
Internal Standards						
1) Pentafluorobenzene	7.789	168	293098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	463654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	458460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	227545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	162071	55.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.180%	
35) Dibromofluoromethane	7.716	113	148380	51.968	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.940%	
50) Toluene-d8	10.179	98	559182	49.542	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.080%	
62) 4-Bromofluorobenzene	12.477	95	197798	50.468	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.940%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	113	Below Cal	#	43
11) Tert butyl alcohol	4.918	59	2021	Below Cal	#	89
13) Acrolein	3.717	56	927	1.911	ug/l #	67
16) Acetone	3.942	43	65206	71.612	ug/l #	88
20) Methylene Chloride	4.710	84	35178	6.160	ug/l #	86
25) 2-Butanone	6.984	43	17982	13.337	ug/l	94
29) Tetrahydrofuran	7.350	42	1197	1.376	ug/l #	84
31) Cyclohexane	7.783	56	4643	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18996	4.344	ug/l #	50
37) Ethyl Acetate	6.984	43	17982	5.997	ug/l #	84
38) Carbon Tetrachloride	7.789	117	24738	5.420	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	91969	34.443	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	91969	67.041	ug/l #	11

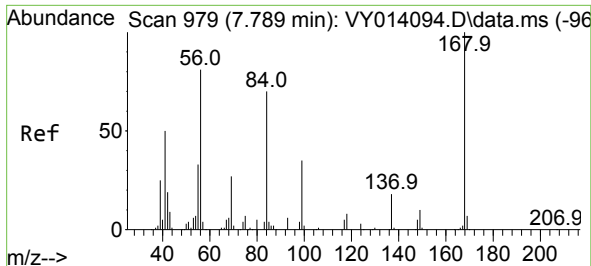
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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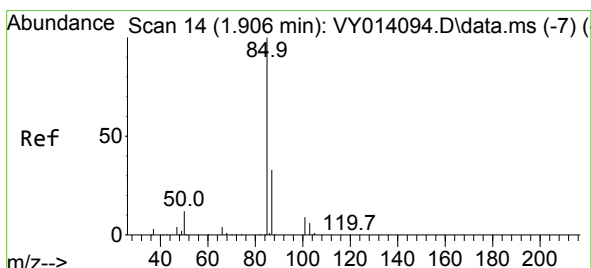
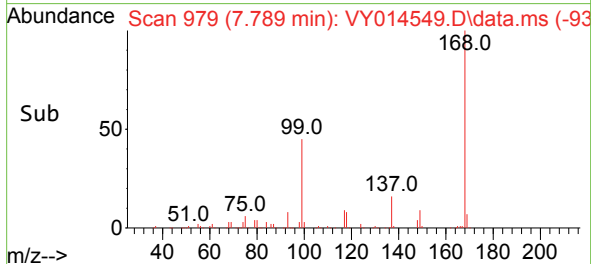
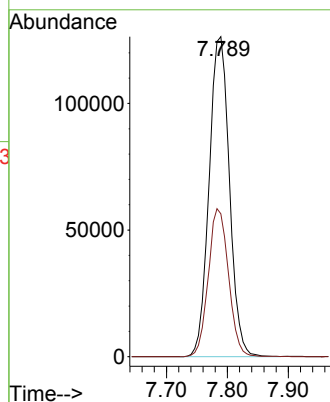
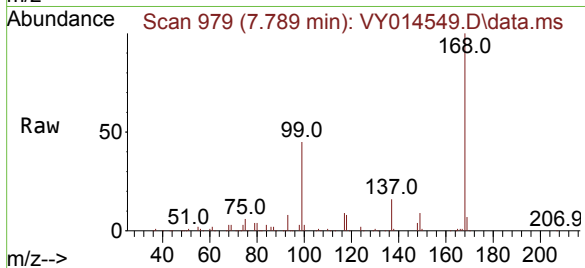




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

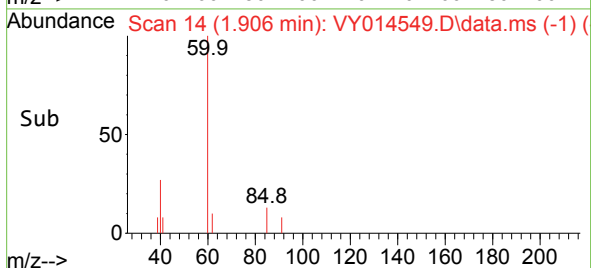
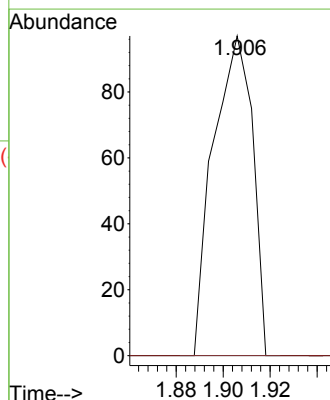
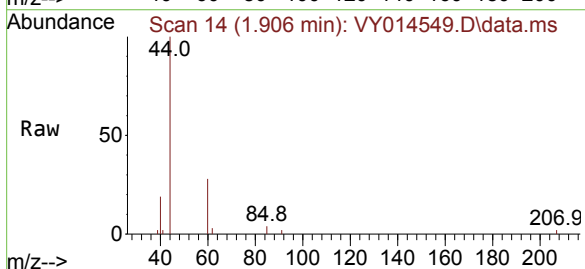
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MSVOA_Y
ClientSampleId :
CP-3

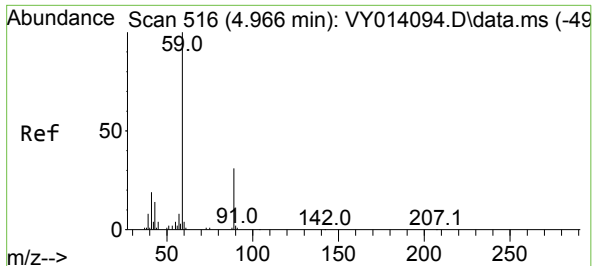
Tgt Ion:168 Resp: 293098
Ion Ratio Lower Upper
168 100
99 44.6 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion: 85 Resp: 113
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

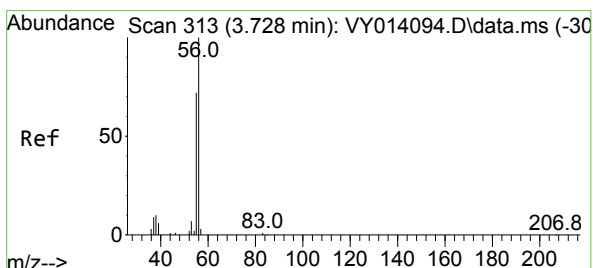
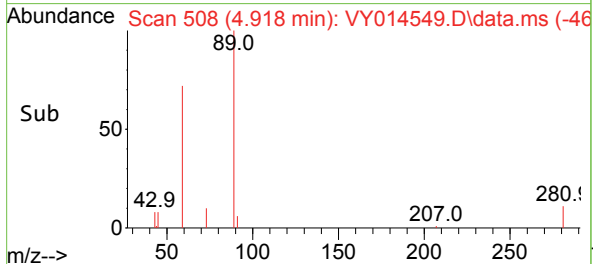
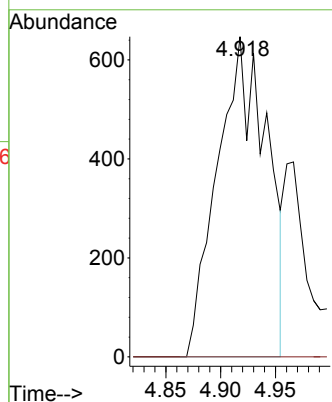
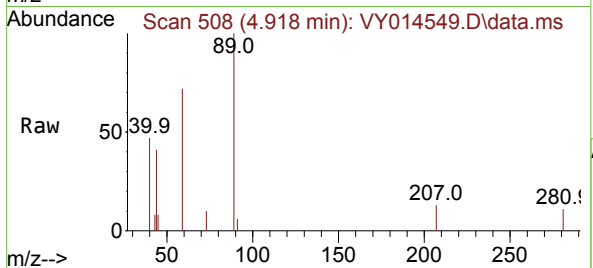




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.048 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

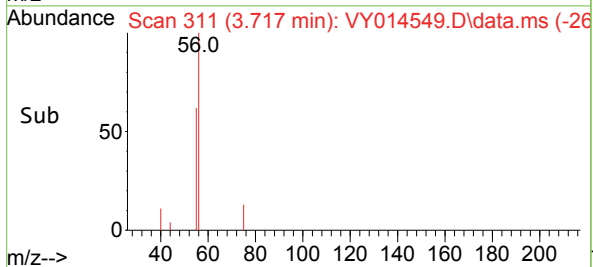
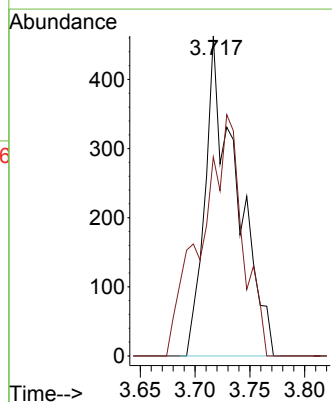
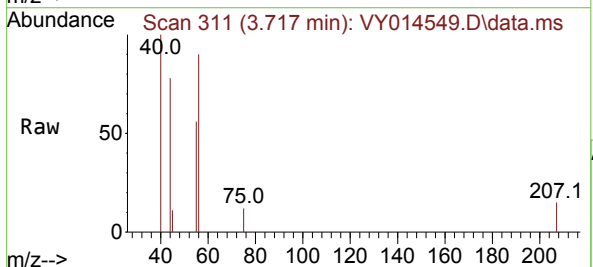
Instrument :
MSVOA_Y
ClientSampleId :
CP-3

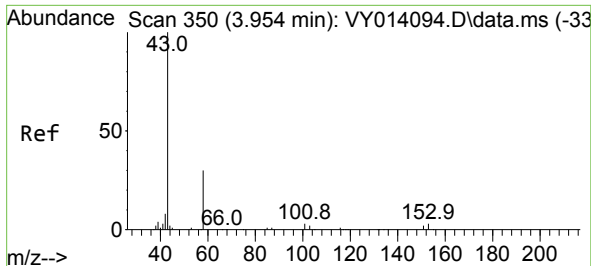
Tgt Ion: 59 Resp: 2021
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: 1.911 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.011 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion: 56 Resp: 927
Ion Ratio Lower Upper
56 100
55 98.6 57.0 85.4#





#16

Acetone

Concen: 71.612 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY014549.D

Acq: 03 Jul 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

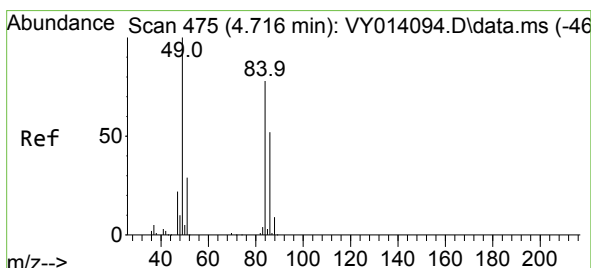
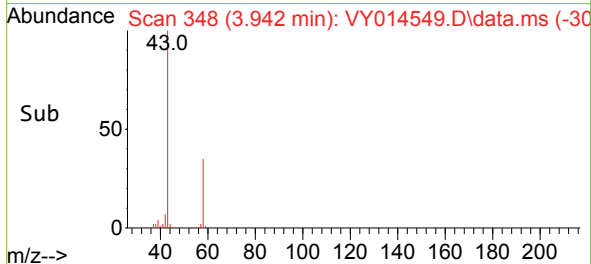
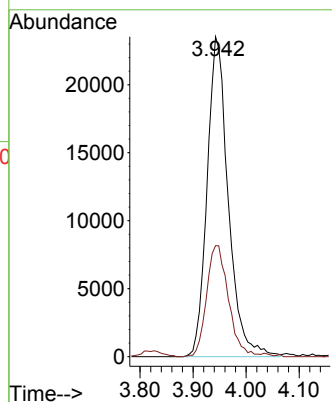
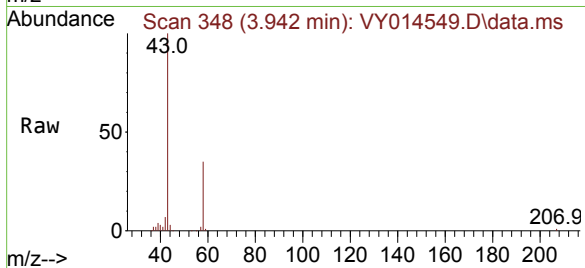
CP-3

Tgt Ion: 43 Resp: 65206

Ion Ratio Lower Upper

43 100

58 34.7 22.7 34.1#



#20

Methylene Chloride

Concen: 6.160 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014549.D

Acq: 03 Jul 2023 20:42

Tgt Ion: 84 Resp: 35178

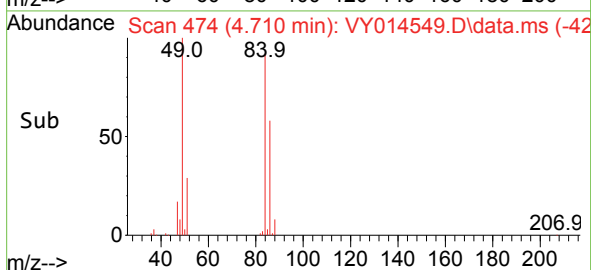
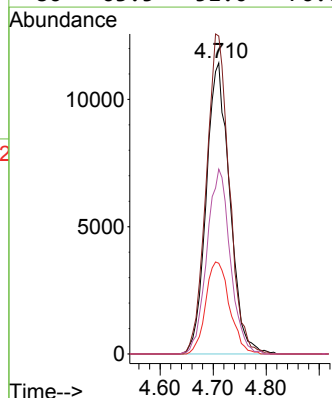
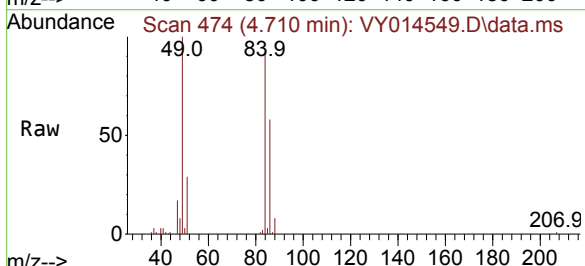
Ion Ratio Lower Upper

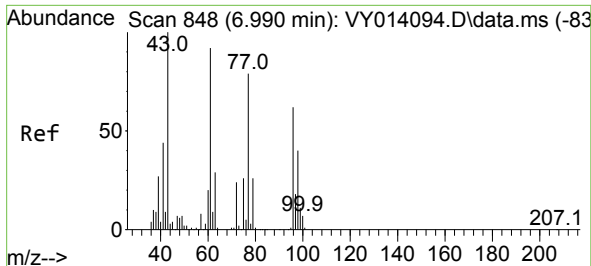
84 100

49 109.2 106.9 160.3

51 31.2 33.2 49.8#

86 63.5 51.0 76.6





#25

2-Butanone

Concen: 13.337 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014549.D

Acq: 03 Jul 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

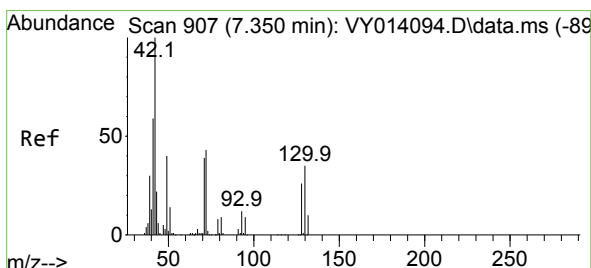
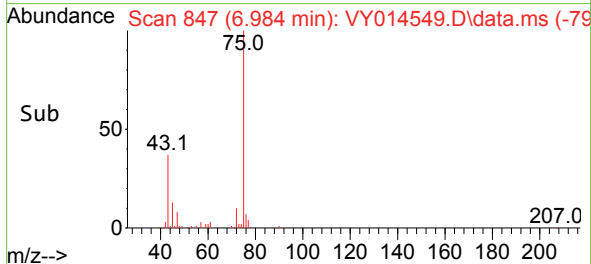
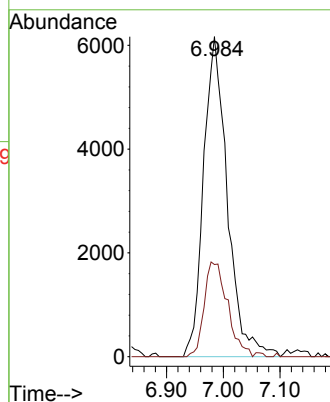
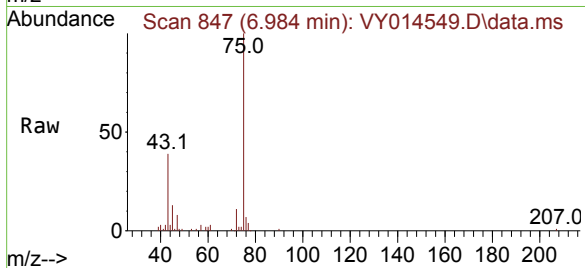
CP-3

Tgt Ion: 43 Resp: 17982

Ion Ratio Lower Upper

43 100

72 28.8 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.376 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY014549.D

Acq: 03 Jul 2023 20:42

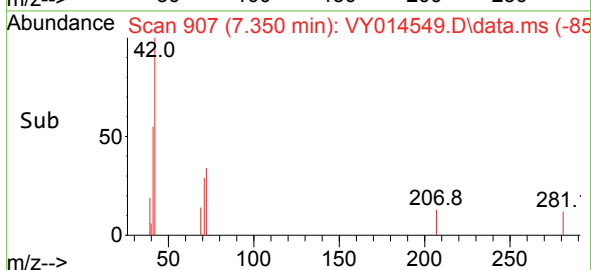
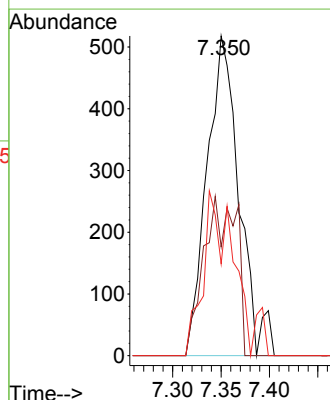
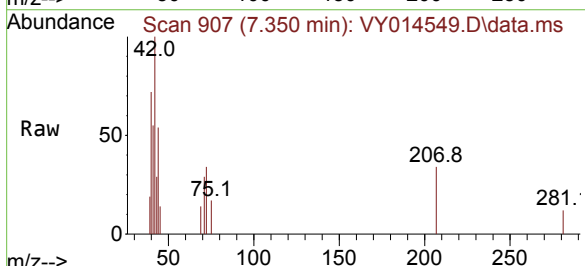
Tgt Ion: 42 Resp: 1197

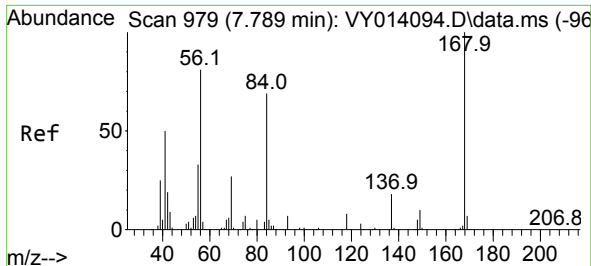
Ion Ratio Lower Upper

42 100

72 28.8 32.8 49.2#

71 46.5 31.0 46.4#

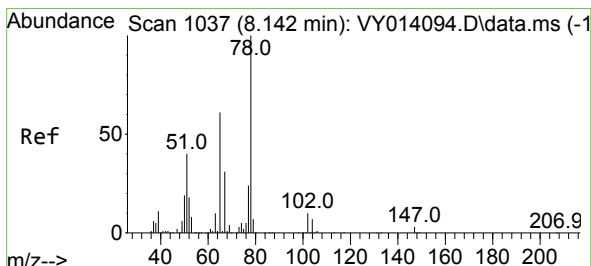
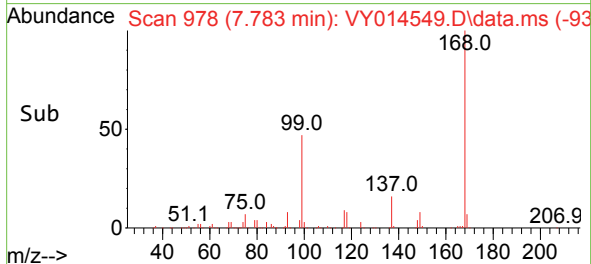
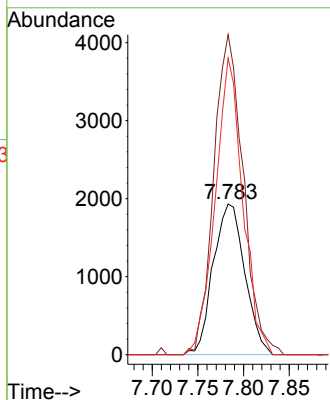
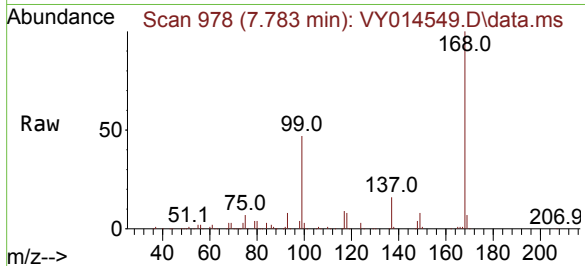




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

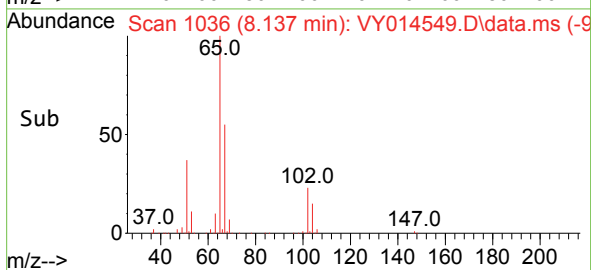
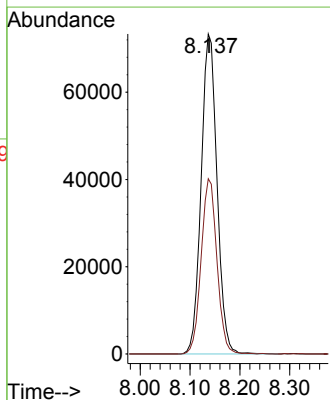
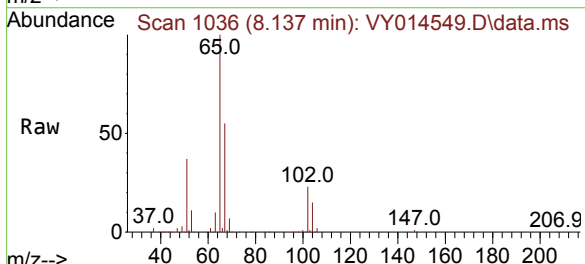
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CP-3

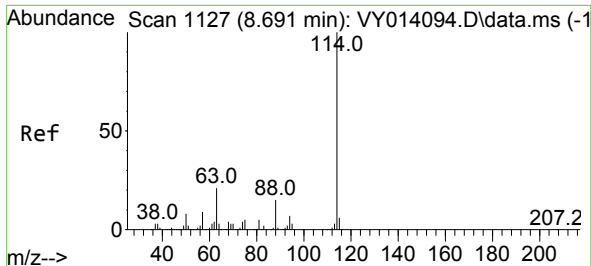
Tgt Ion: 56 Resp: 4643
Ion Ratio Lower Upper
56 100
69 212.3 27.8 41.6#
84 196.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.586 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion: 65 Resp: 162071
Ion Ratio Lower Upper
65 100
67 54.4 0.0 101.8

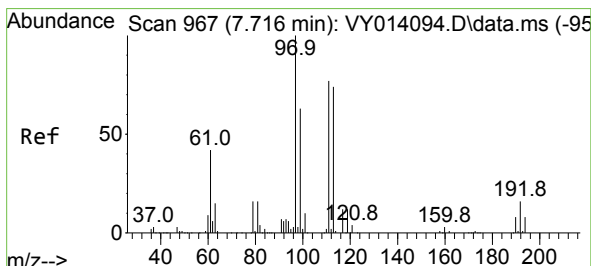
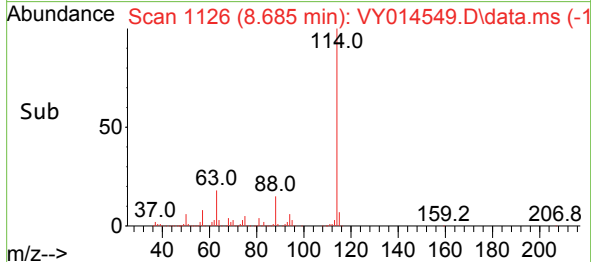
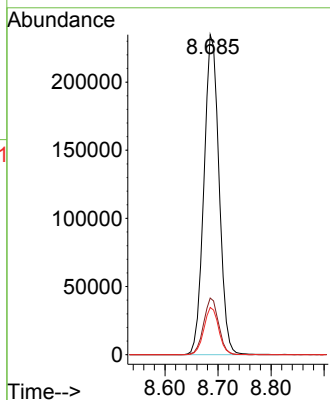
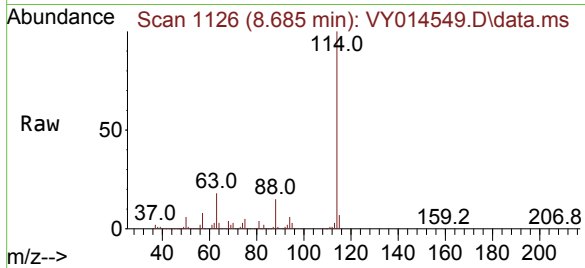




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

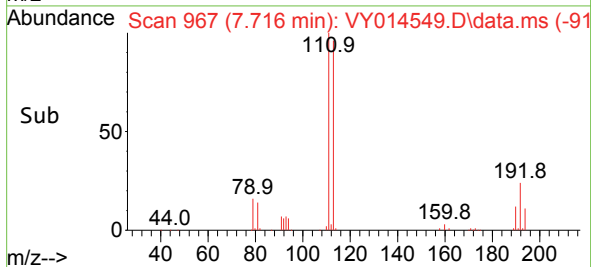
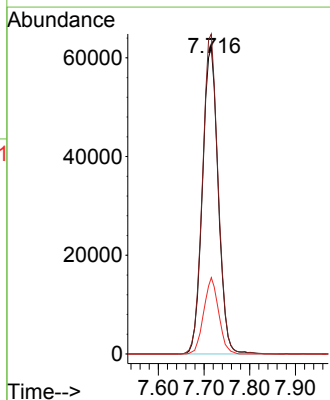
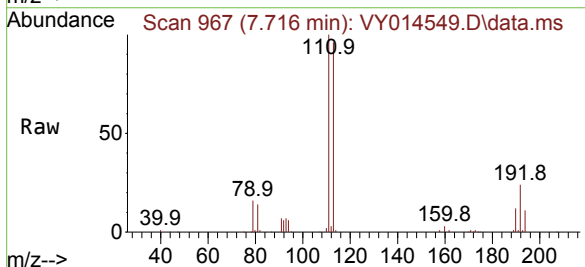
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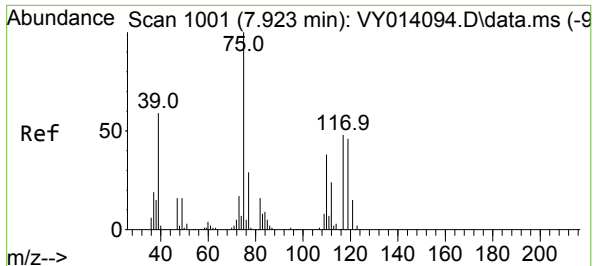
Tgt Ion:114 Resp: 463654
Ion Ratio Lower Upper
114 100
63 17.7 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.968 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion:113 Resp: 148380
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 23.6 16.9 25.3

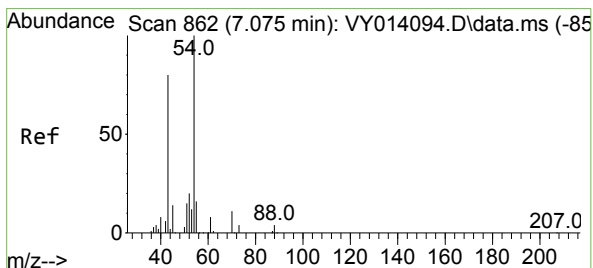
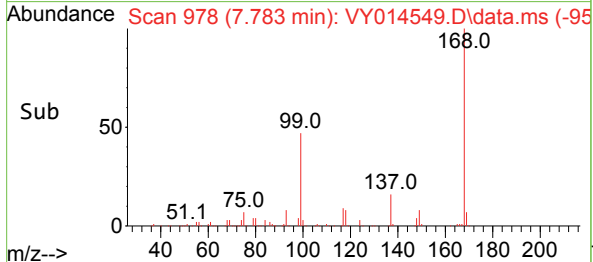
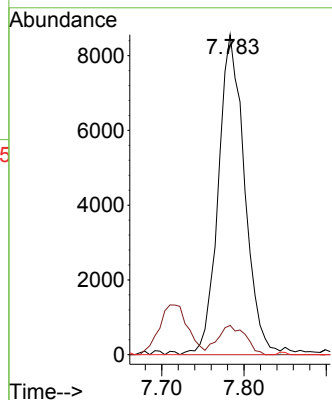
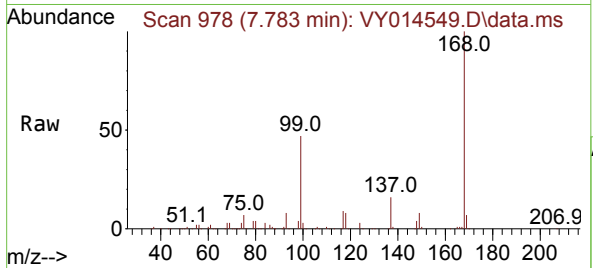




#36
1,1-Dichloropropene
Concen: 4.344 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

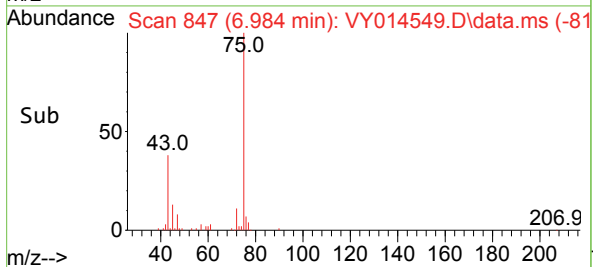
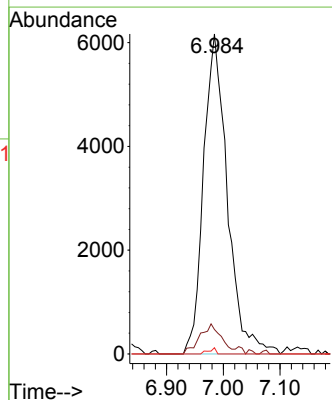
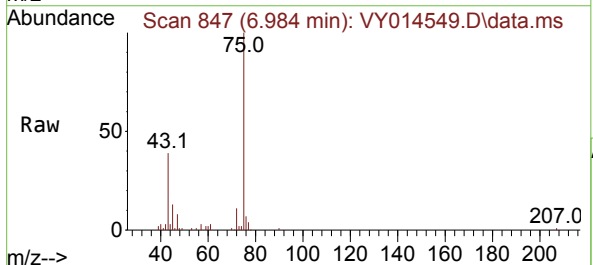
Instrument :
MSVOA_Y
ClientSampleId :
CP-3

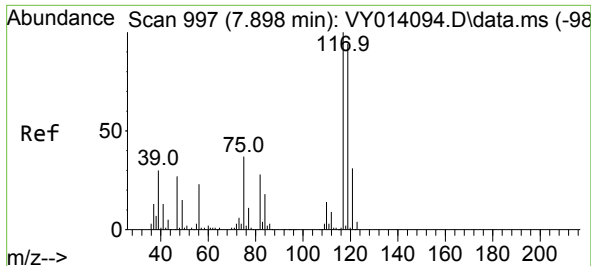
Tgt Ion: 75 Resp: 18996
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.997 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion: 43 Resp: 17982
Ion Ratio Lower Upper
43 100
61 8.3 10.1 15.1#
70 0.6 7.1 10.7#

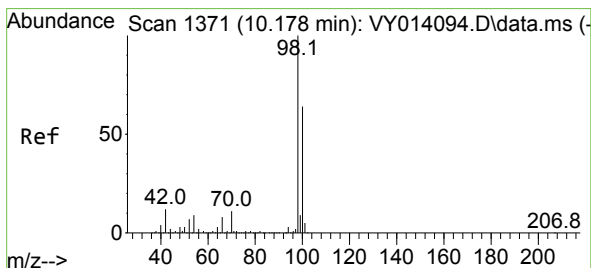
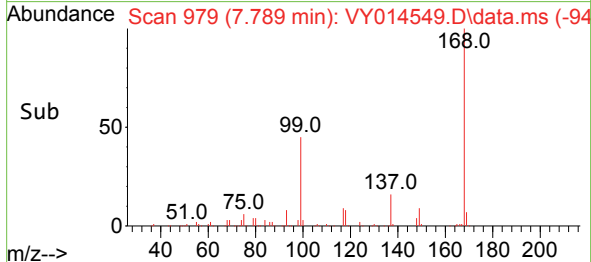
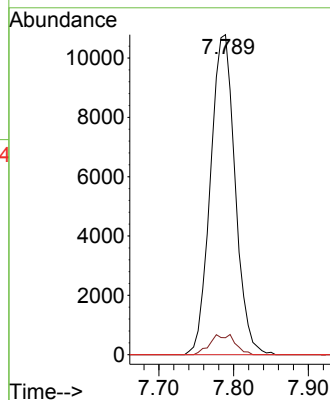
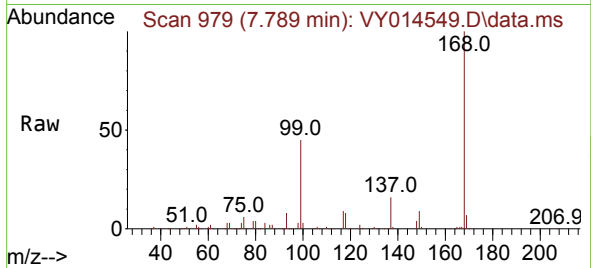




#38
Carbon Tetrachloride
Concen: 5.420 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

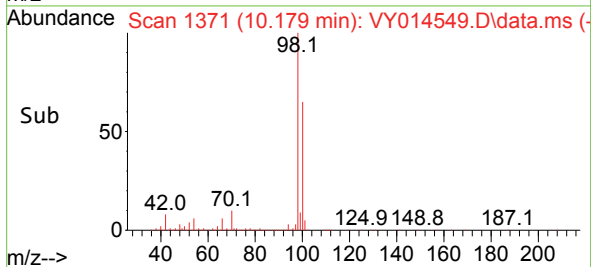
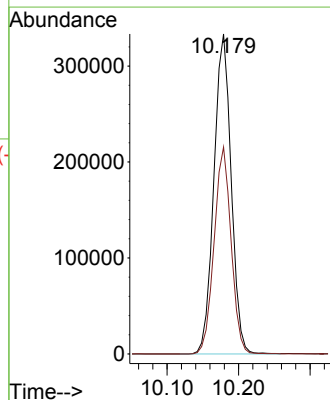
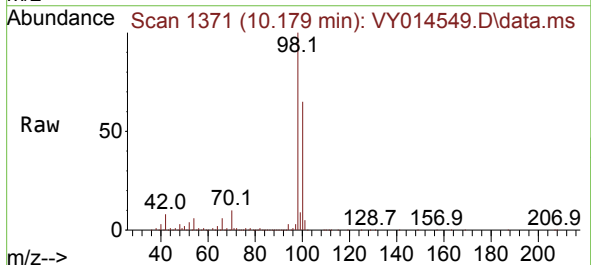
Instrument :
MSVOA_Y
ClientSampleId :
CP-3

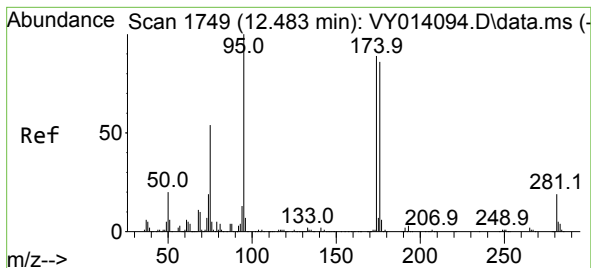
Tgt Ion:117 Resp: 24738
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.542 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion: 98 Resp: 559182
Ion Ratio Lower Upper
98 100
100 63.6 50.1 75.1

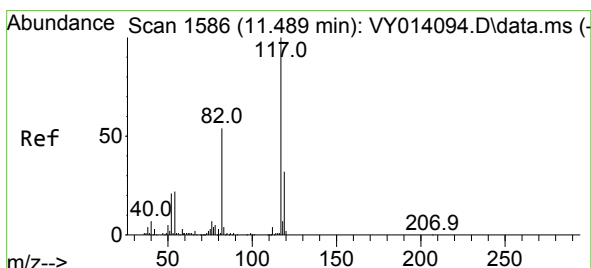
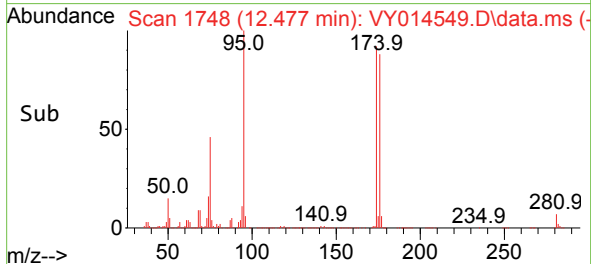
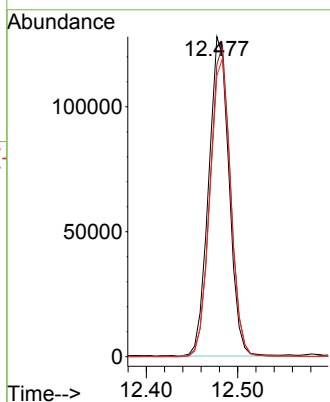
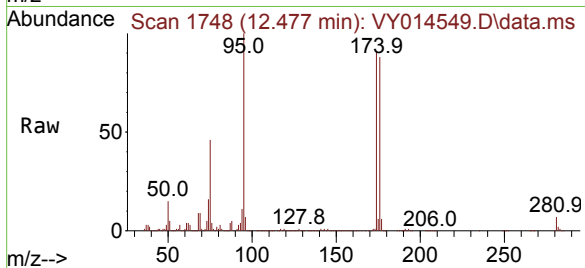




#62
4-Bromofluorobenzene
Concen: 50.468 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

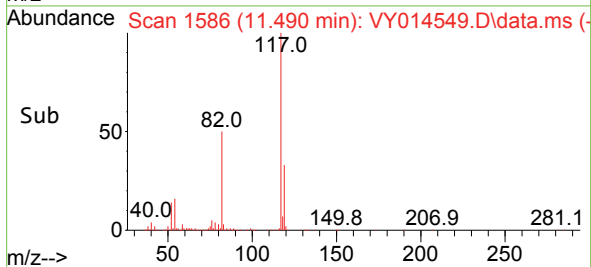
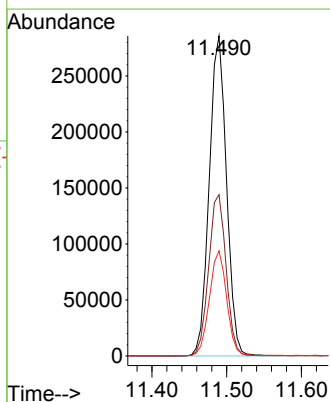
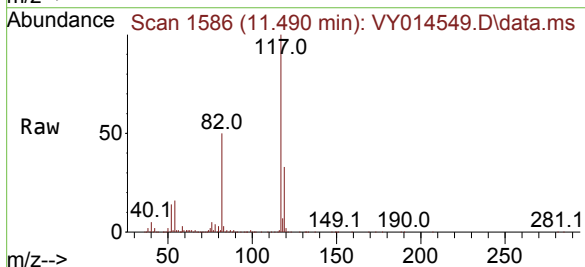
Instrument :
MSVOA_Y
ClientSampleId :
CP-3

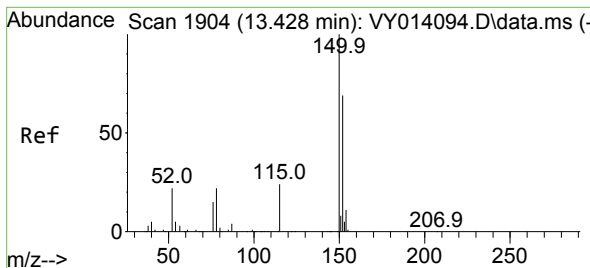
Tgt Ion: 95 Resp: 197798
Ion Ratio Lower Upper
95 100
174 97.7 0.0 178.2
176 94.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014549.D
Acq: 03 Jul 2023 20:42

Tgt Ion: 117 Resp: 458460
Ion Ratio Lower Upper
117 100
82 50.4 43.4 65.0
119 32.7 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: VY014549.D

Acq: 03 Jul 2023 20:42

Instrument :

MSVOA_Y

ClientSampleId :

CP-3

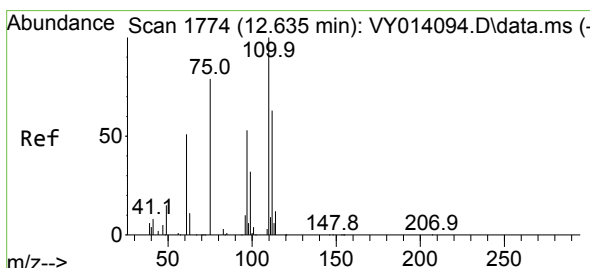
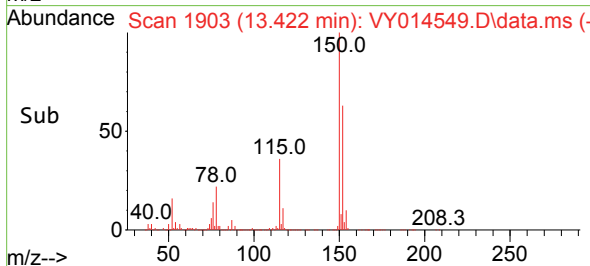
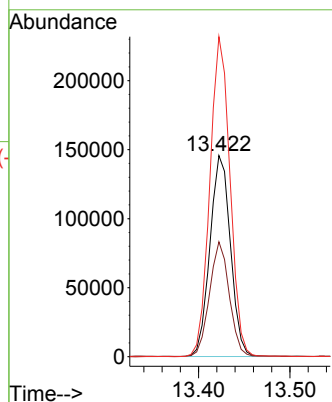
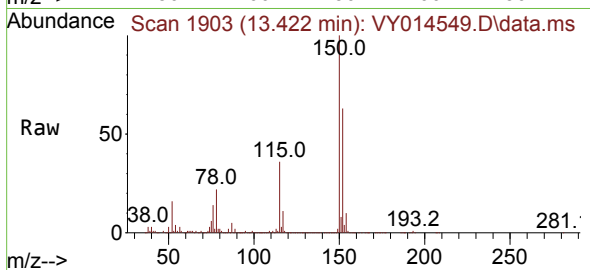
Tgt Ion:152 Resp: 227545

Ion Ratio Lower Upper

152 100

115 54.7 28.8 86.5

150 156.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.443 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014549.D

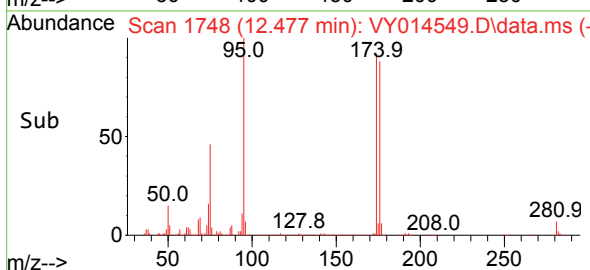
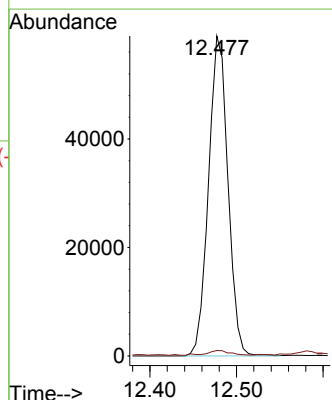
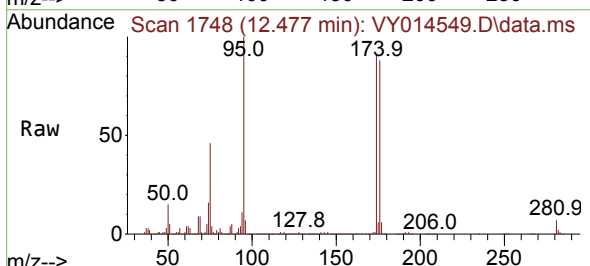
Acq: 03 Jul 2023 20:42

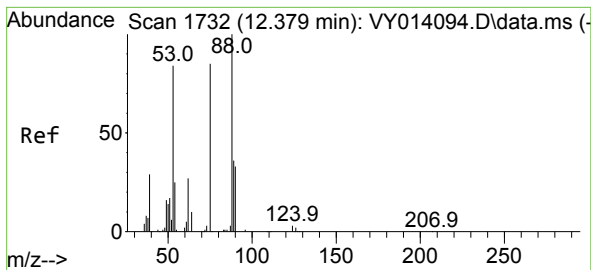
Tgt Ion: 75 Resp: 91969

Ion Ratio Lower Upper

75 100

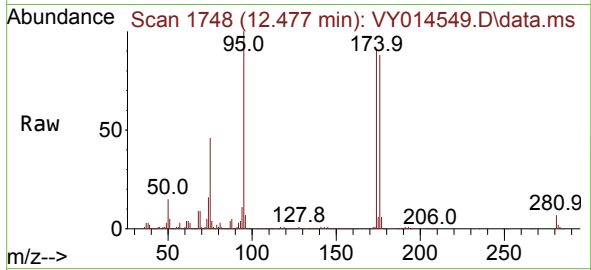
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.041 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014549.D
 Acq: 03 Jul 2023 20:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 CP-3



Tgt Ion: 75 Resp: 91969
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.2 37.4 56.0#

