

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015412.D
 Acq On : 01 Sep 2023 13:57
 Operator : SY/MD
 Sample : 04256-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-3

Quant Time: Sep 01 23:41:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

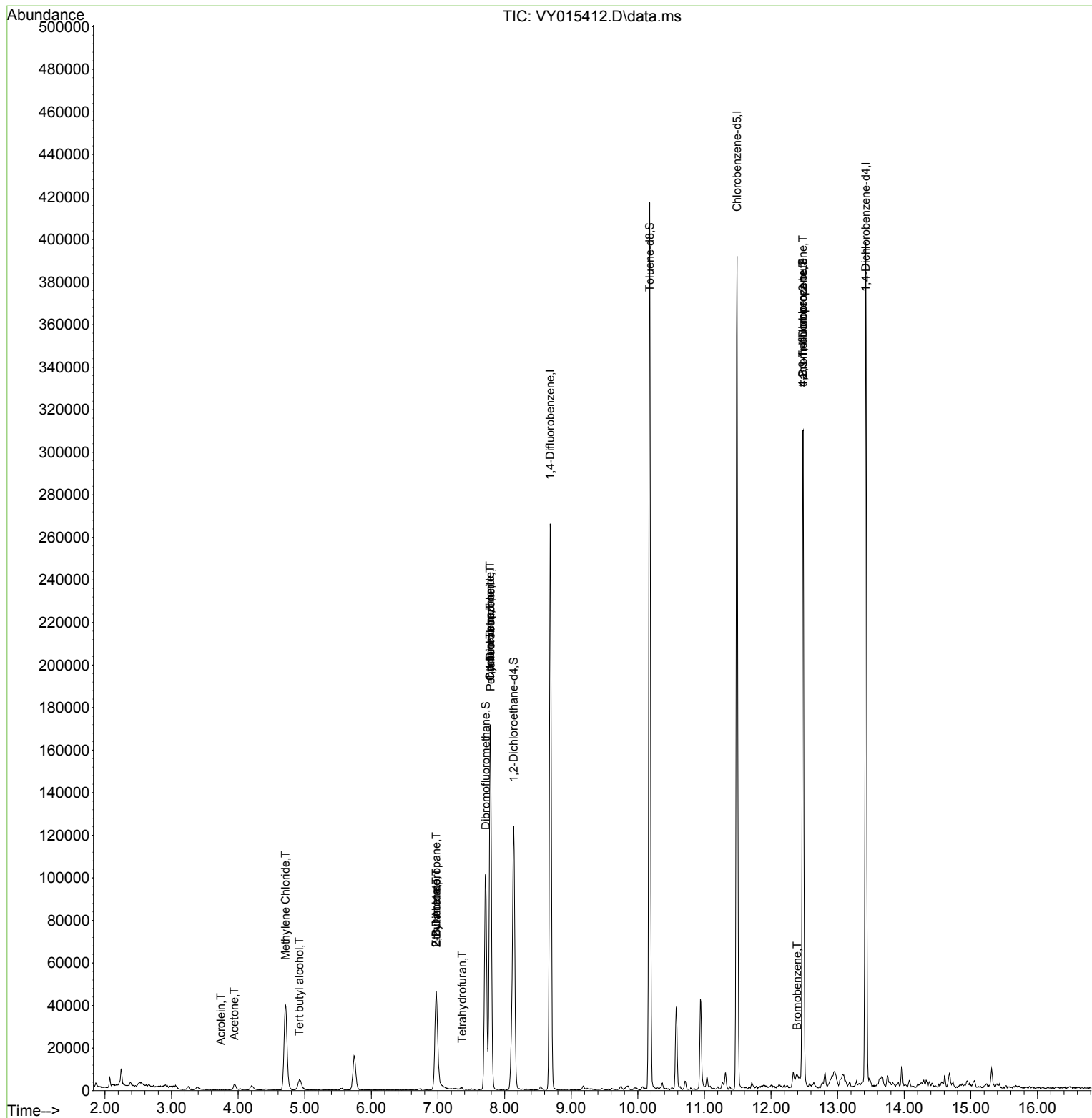
Internal Standards						
1) Pentafluorobenzene	7.789	168	135477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	228879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	205751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87300	60.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.220%	
35) Dibromofluoromethane	7.716	113	71286	54.074	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.140%	
50) Toluene-d8	10.179	98	267466	56.025	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.060%	
62) 4-Bromofluorobenzene	12.477	95	91147	51.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	5634	1.080	ug/l #	89
13) Acrolein	3.741	56	22	11.698	ug/l #	1
16) Acetone	3.942	43	4763	7.857	ug/l	99
20) Methylene Chloride	4.710	84	31220	10.957	ug/l	92
25) 2-Butanone	6.972	43	2810	3.268	ug/l #	73
26) 2,2-Dichloropropane	6.972	77	3630	1.577	ug/l #	54
29) Tetrahydrofuran	7.362	42	663	1.228	ug/l #	75
31) Cyclohexane	7.783	56	2970	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10483	4.529	ug/l #	50
37) Ethyl Acetate	6.972	43	2810	1.574	ug/l #	1
38) Carbon Tetrachloride	7.783	117	13437	5.620	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	49992	37.758	ug/l #	100
77) Bromobenzene	12.392	156	3247	1.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	49992	83.289	ug/l #	10

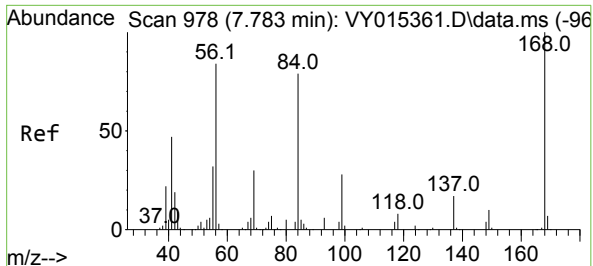
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
Data File : VY015412.D
Acq On : 01 Sep 2023 13:57
Operator : SY/MD
Sample : 04256-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-3

Quant Time: Sep 01 23:41:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration

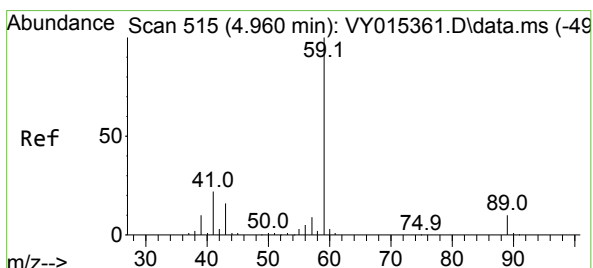
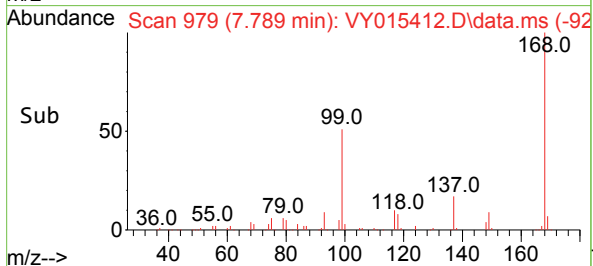
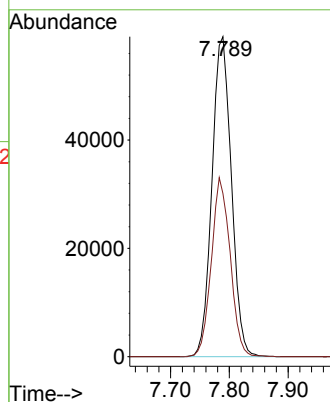
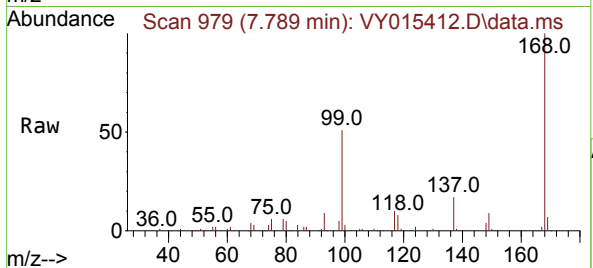




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

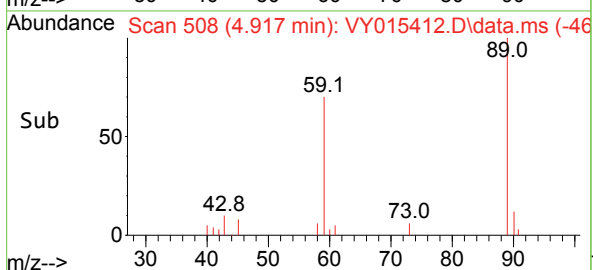
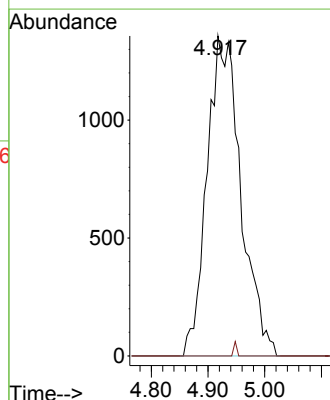
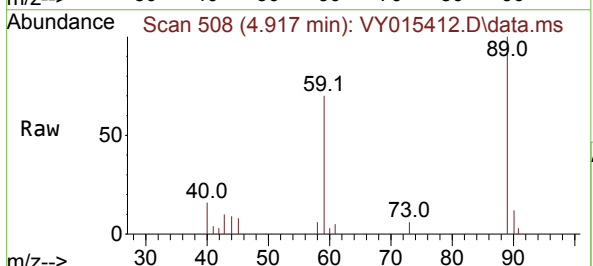
Instrument :
MSVOA_Y
ClientSampleId :
MW-3

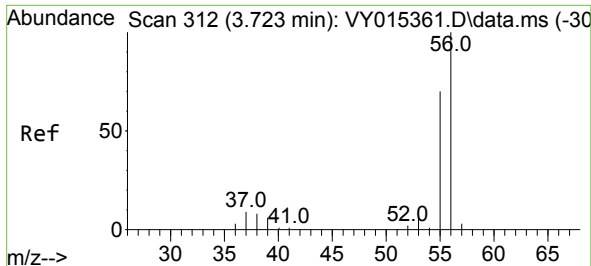
Tgt Ion:168 Resp: 135477
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 1.080 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Tgt Ion: 59 Resp: 5634
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 11.698 ug/l

RT: 3.741 min Scan# 312

Delta R.T. 0.018 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Instrument :

MSVOA_Y

ClientSampleId :

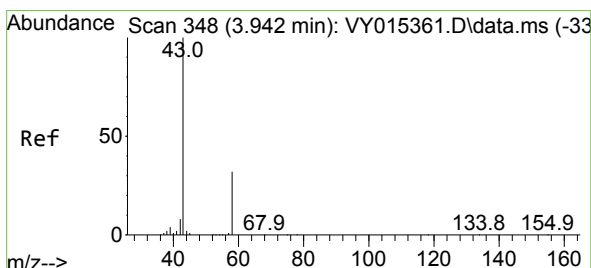
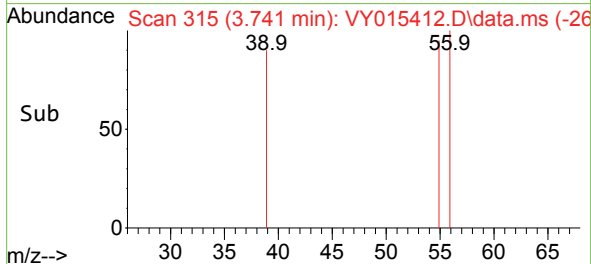
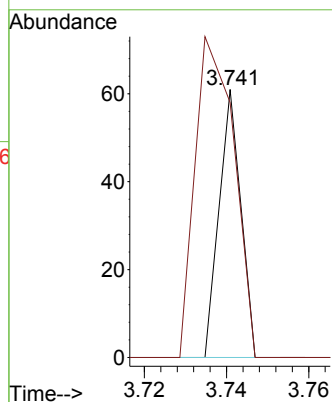
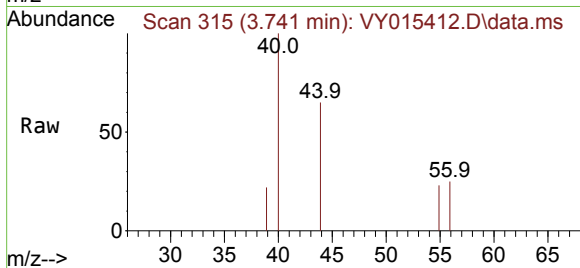
MW-3

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 218.2 57.0 85.4#



#16

Acetone

Concen: 7.857 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015412.D

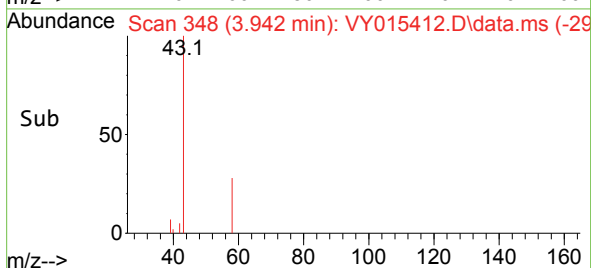
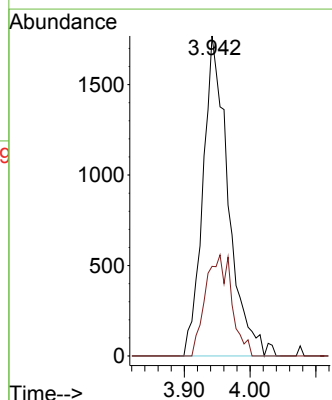
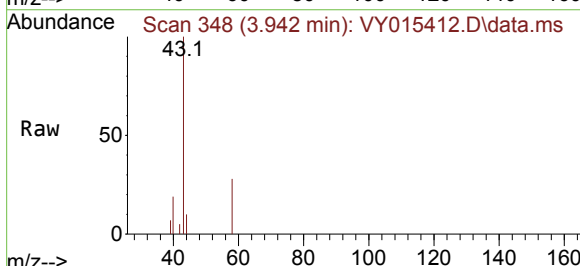
Acq: 01 Sep 2023 13:57

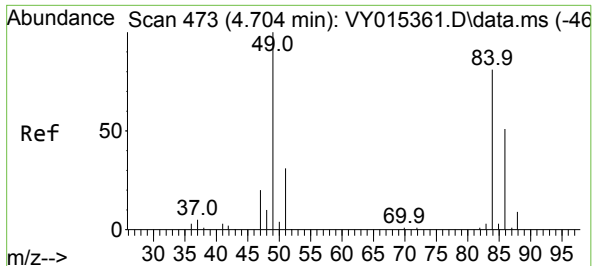
Tgt Ion: 43 Resp: 4763

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1



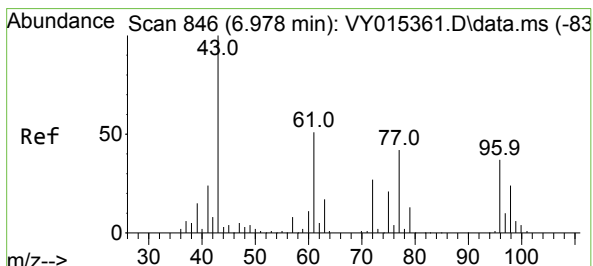
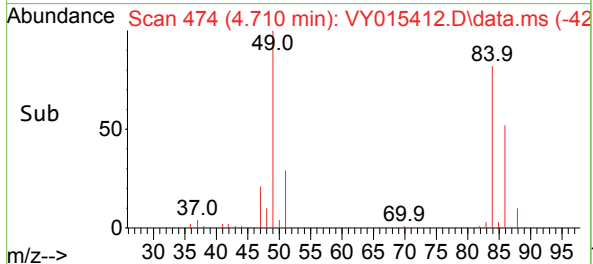
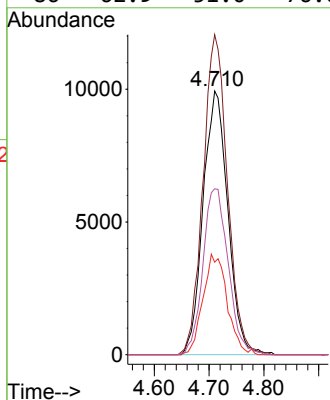
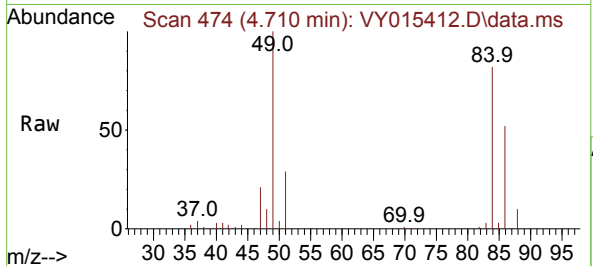


#20
Methylene Chloride
Concen: 10.957 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Instrument :
MSVOA_Y
ClientSampleId :
MW-3

Tgt Ion: 84 Resp: 31220

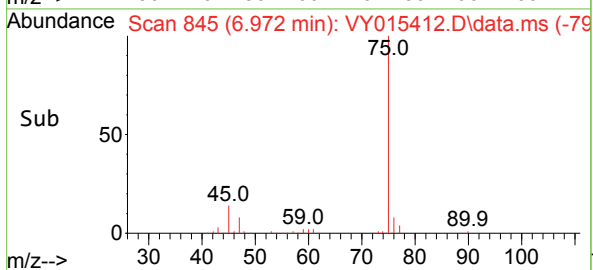
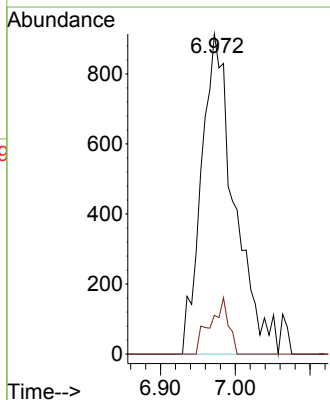
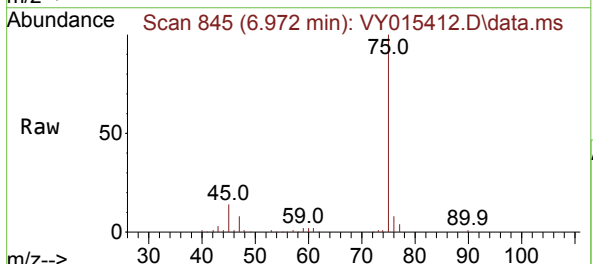
Ion	Ratio	Lower	Upper
84	100		
49	121.4	106.9	160.3
51	35.1	33.2	49.8
86	62.9	51.0	76.6

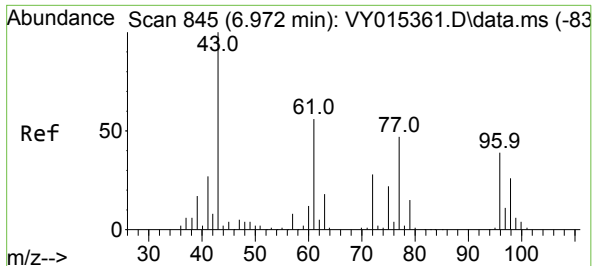


#25
2-Butanone
Concen: 3.268 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Tgt Ion: 43 Resp: 2810

Ion	Ratio	Lower	Upper
43	100		
72	12.1	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.577 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Instrument :

MSVOA_Y

ClientSampleId :

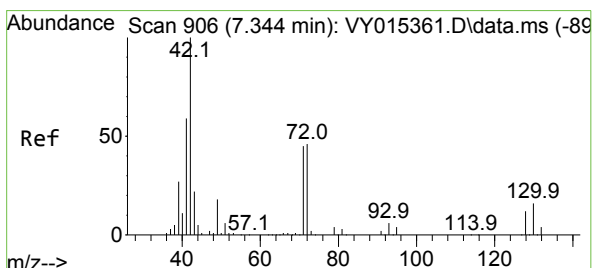
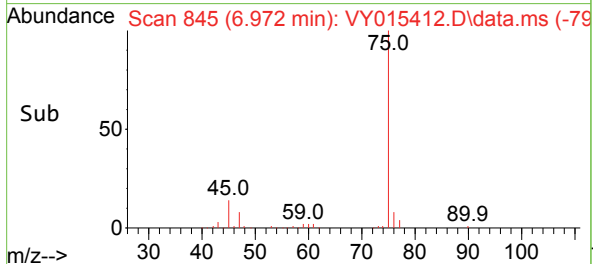
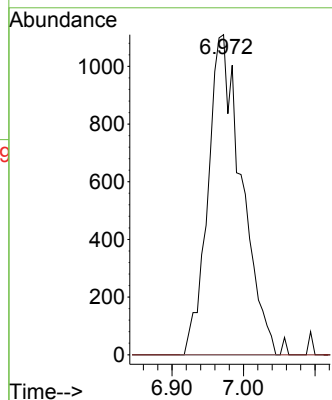
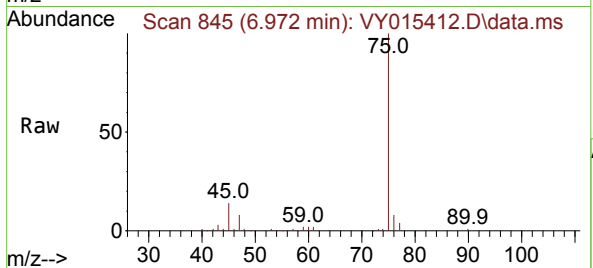
MW-3

Tgt Ion: 77 Resp: 3630

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.228 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.018 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

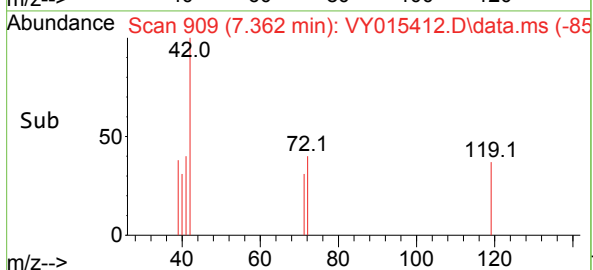
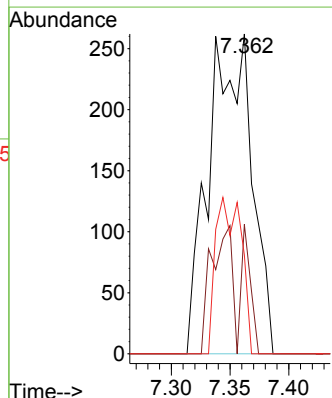
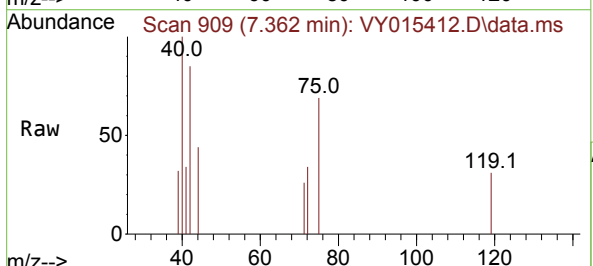
Tgt Ion: 42 Resp: 663

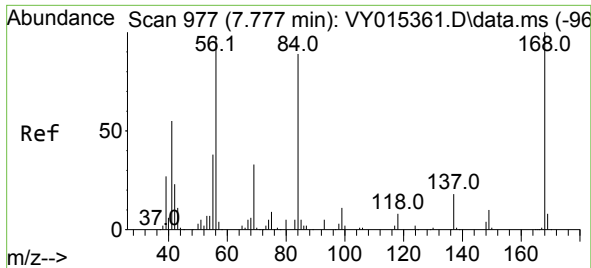
Ion Ratio Lower Upper

42 100

72 19.6 32.8 49.2#

71 29.4 31.0 46.4#

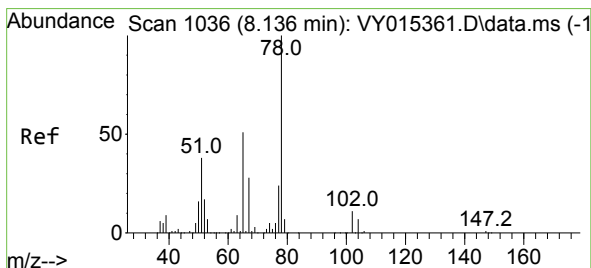
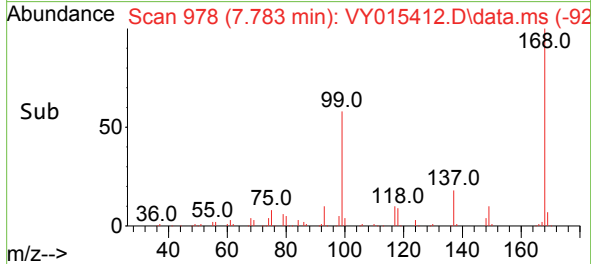
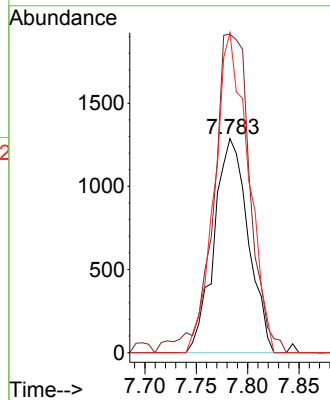
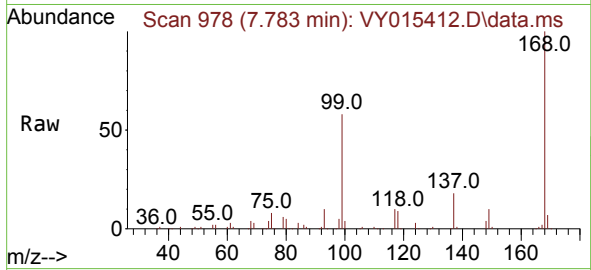




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

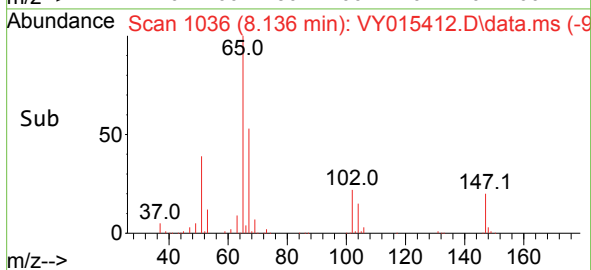
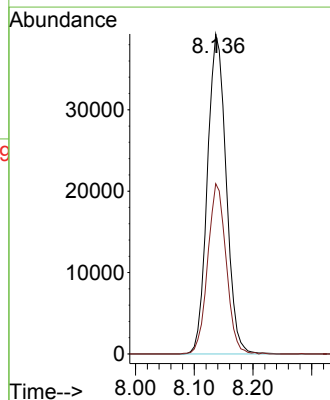
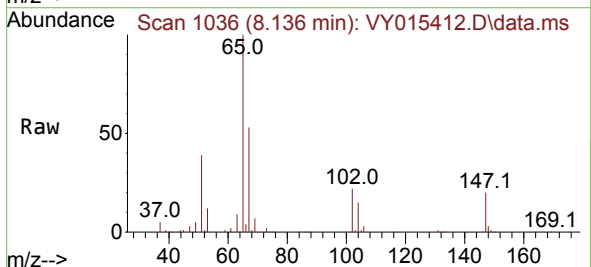
Instrument :
MSVOA_Y
ClientSampleId :
MW-3

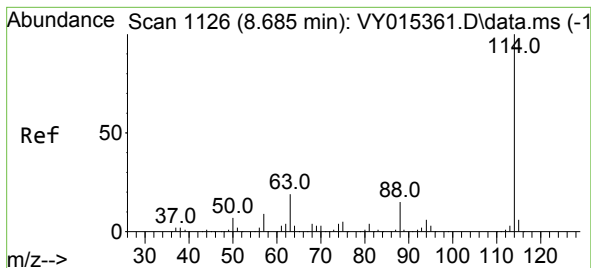
Tgt Ion: 56 Resp: 2970
Ion Ratio Lower Upper
56 100
69 143.0 27.8 41.6#
84 149.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.112 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Tgt Ion: 65 Resp: 87300
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-3

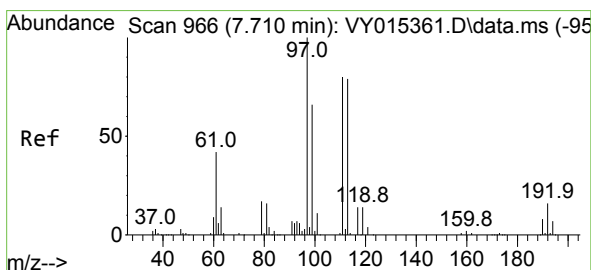
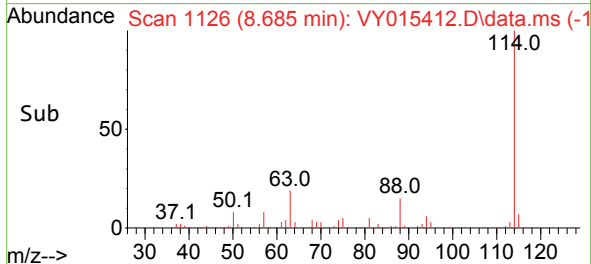
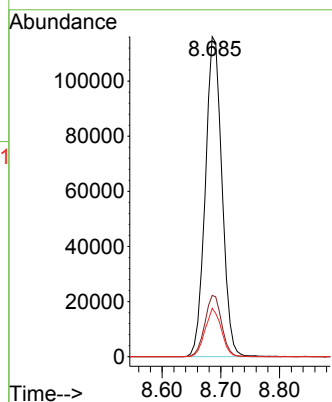
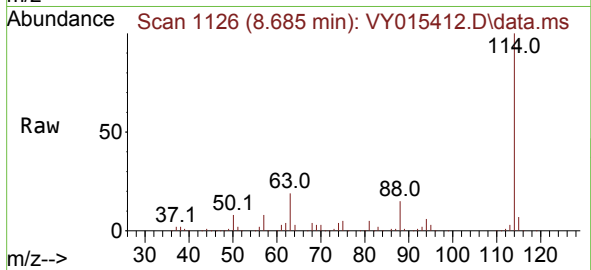
Tgt Ion:114 Resp: 228879

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.074 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

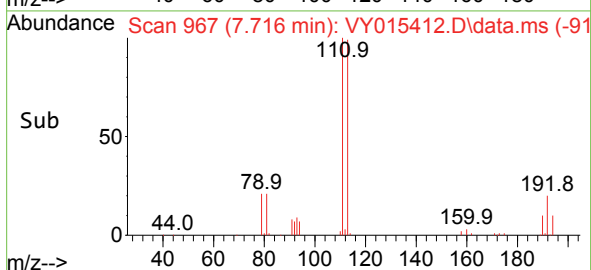
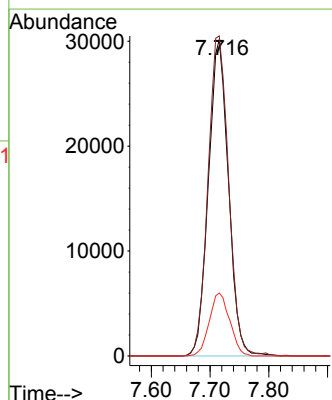
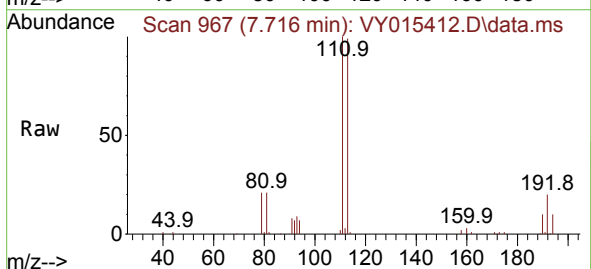
Tgt Ion:113 Resp: 71286

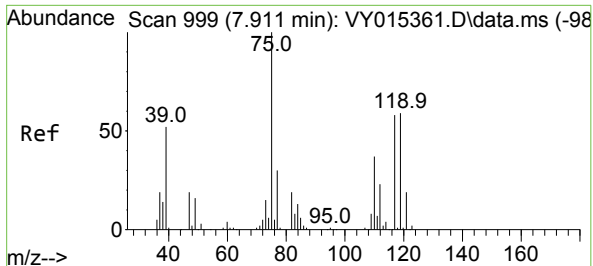
Ion Ratio Lower Upper

113 100

111 104.3 81.3 121.9

192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.529 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-3

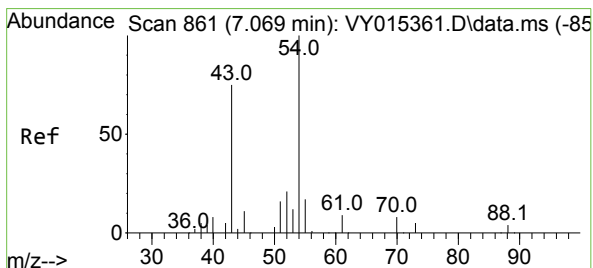
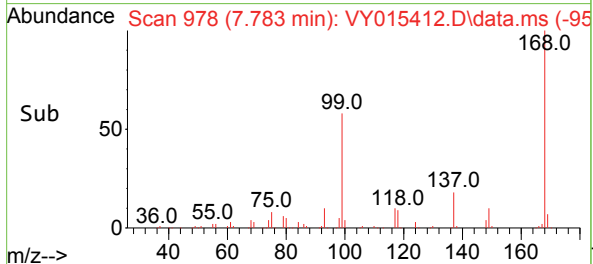
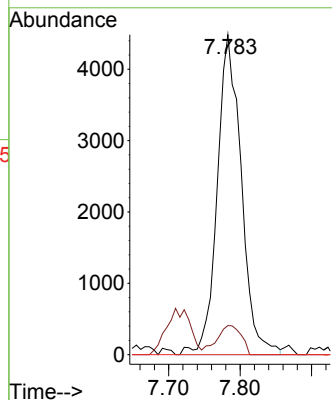
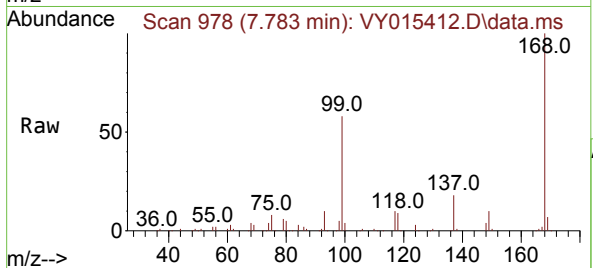
Tgt Ion: 75 Resp: 10483

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.574 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.091 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

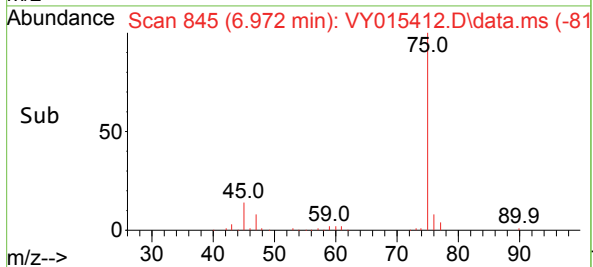
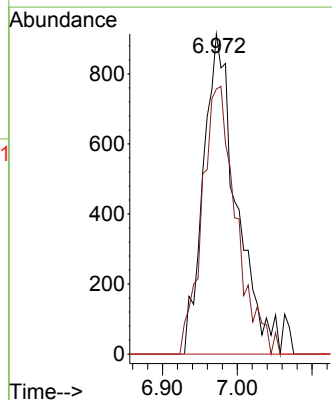
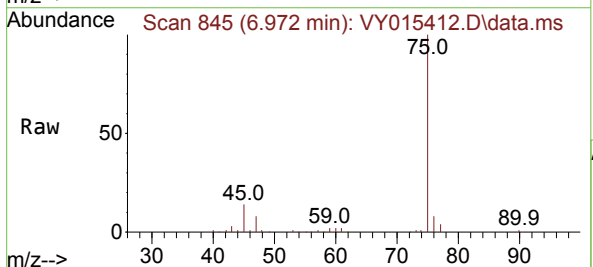
Tgt Ion: 43 Resp: 2810

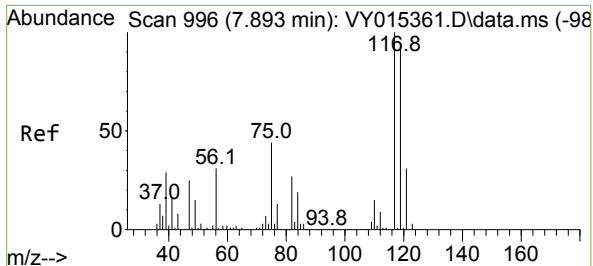
Ion Ratio Lower Upper

43 100

61 86.7 10.1 15.1#

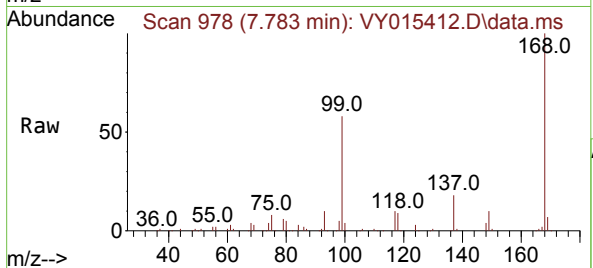
70 0.0 7.1 10.7#



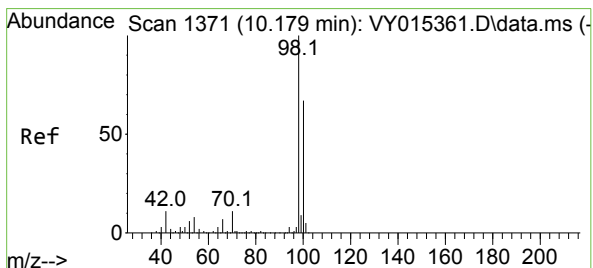
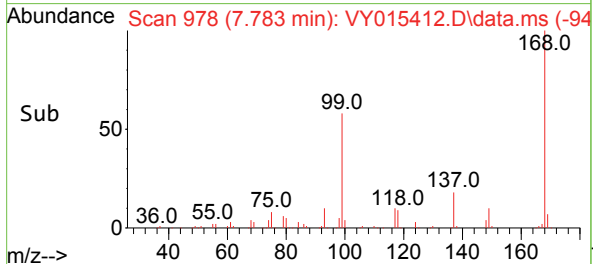
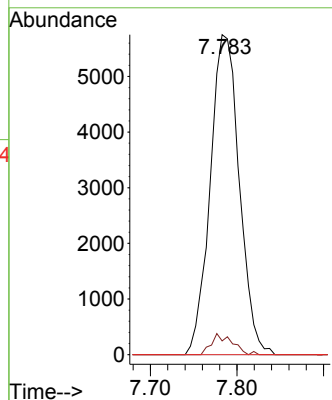


#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Instrument :
MSVOA_Y
ClientSampleId :
MW-3

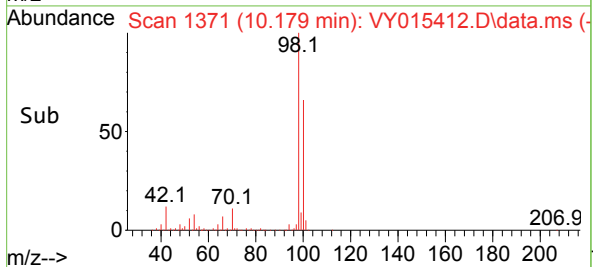
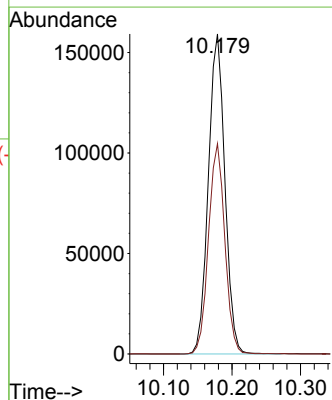
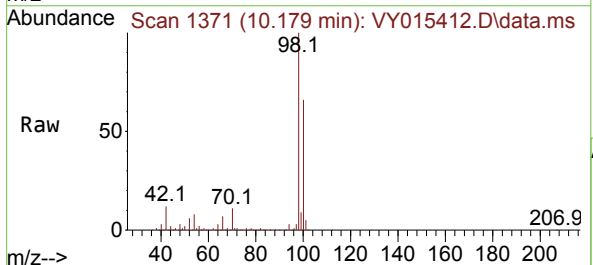


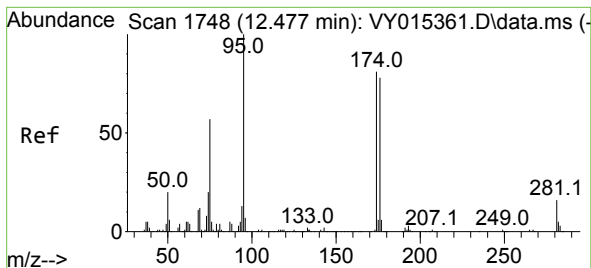
Tgt Ion:117 Resp: 13437
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.025 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Tgt Ion: 98 Resp: 267466
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

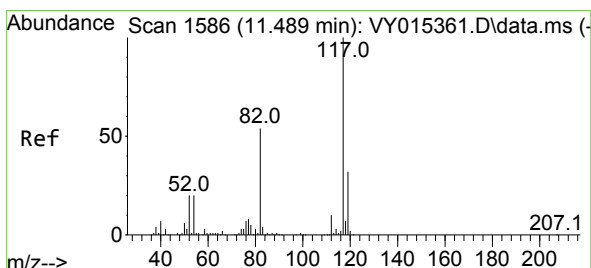
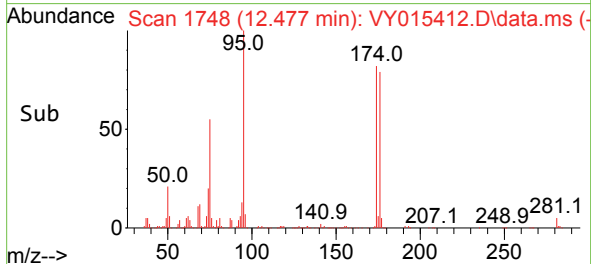
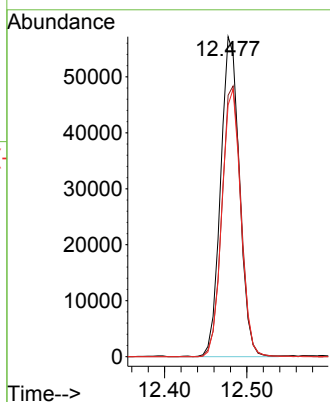
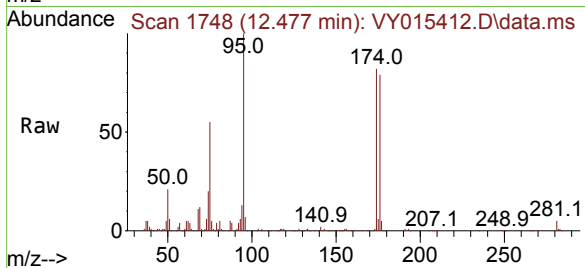




#62
4-Bromofluorobenzene
Concen: 51.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

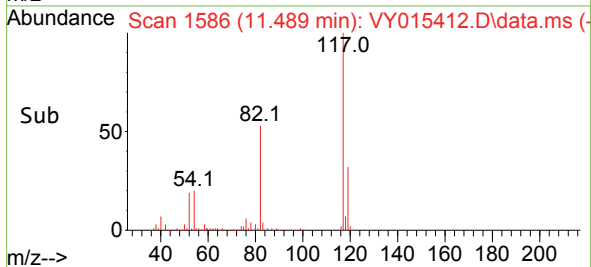
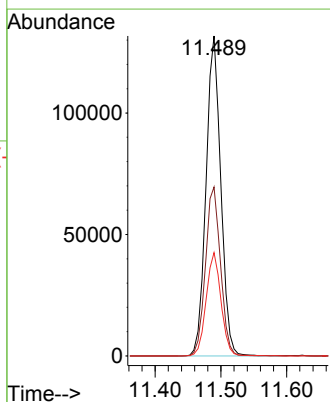
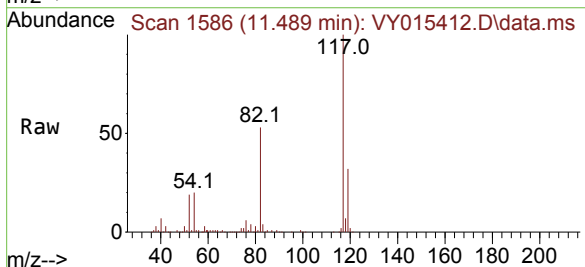
Instrument :
MSVOA_Y
ClientSampleId :
MW-3

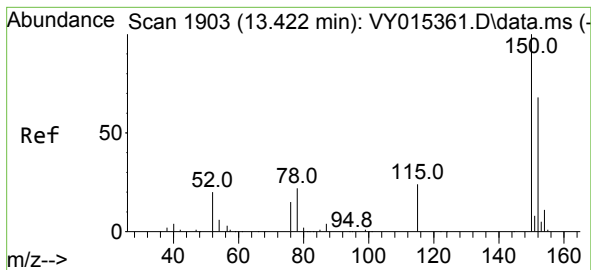
Tgt Ion: 95 Resp: 91147
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 83.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015412.D
Acq: 01 Sep 2023 13:57

Tgt Ion: 117 Resp: 205751
Ion Ratio Lower Upper
117 100
82 52.8 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. 0.000 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-3

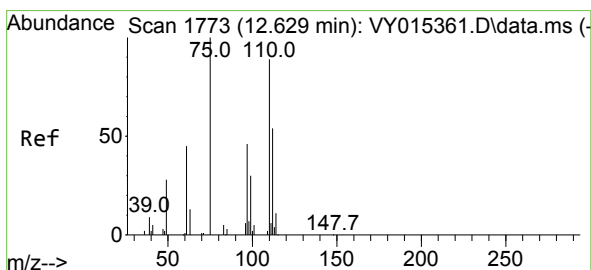
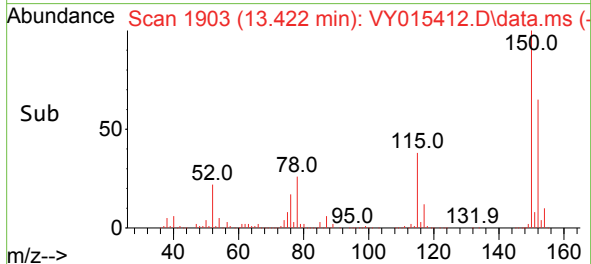
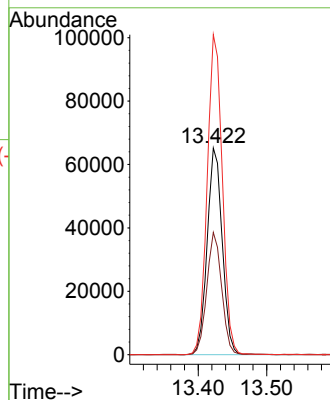
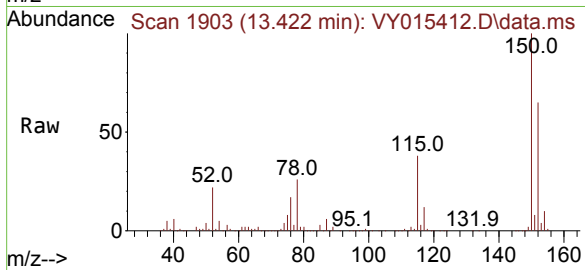
Tgt Ion:152 Resp: 99843

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 155.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.758 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015412.D

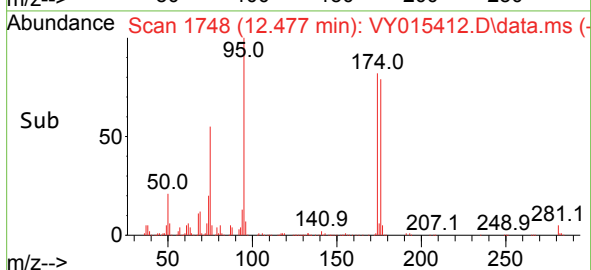
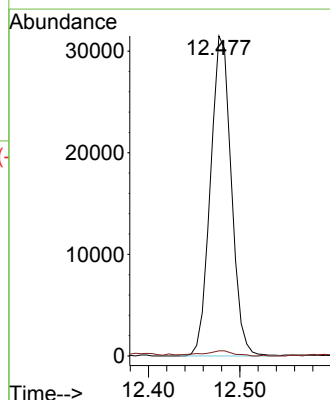
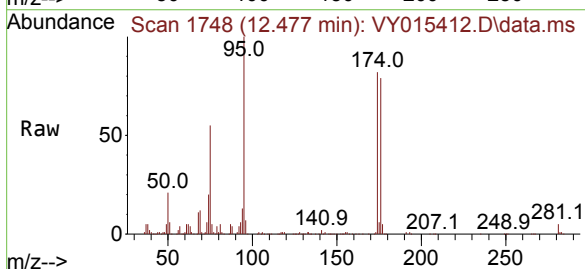
Acq: 01 Sep 2023 13:57

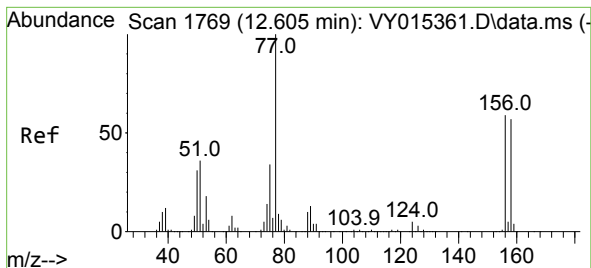
Tgt Ion: 75 Resp: 49992

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#





#77

Bromobenzene

Concen: 1.828 ug/l

RT: 12.392 min Scan# 1734

Delta R.T. -0.213 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-3

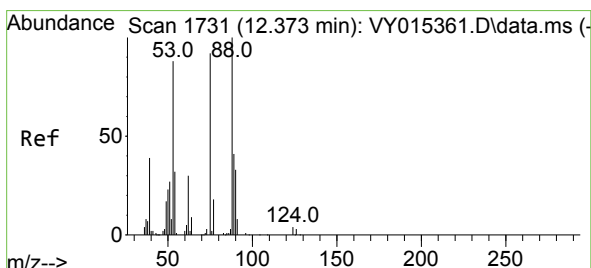
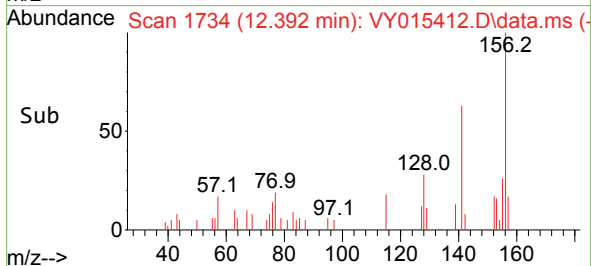
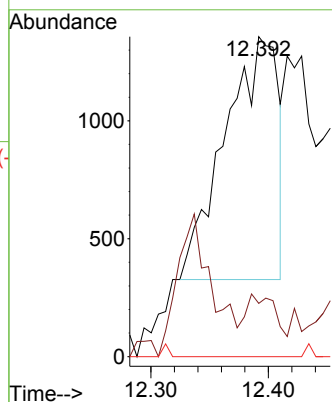
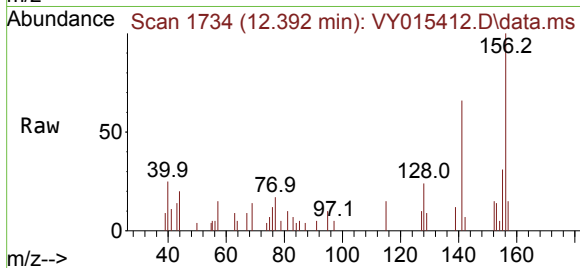
Tgt Ion:156 Resp: 3247

Ion Ratio Lower Upper

156 100

77 8.6 92.8 278.6#

158 0.0 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.289 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY015412.D

Acq: 01 Sep 2023 13:57

Tgt Ion: 75 Resp: 49992

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

