

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060723\
 Data File : VY014053.D
 Acq On : 07 Jun 2023 12:35
 Operator : KP/MD
 Sample : 03029-04RE
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-7

Quant Time: Jun 08 02:32:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

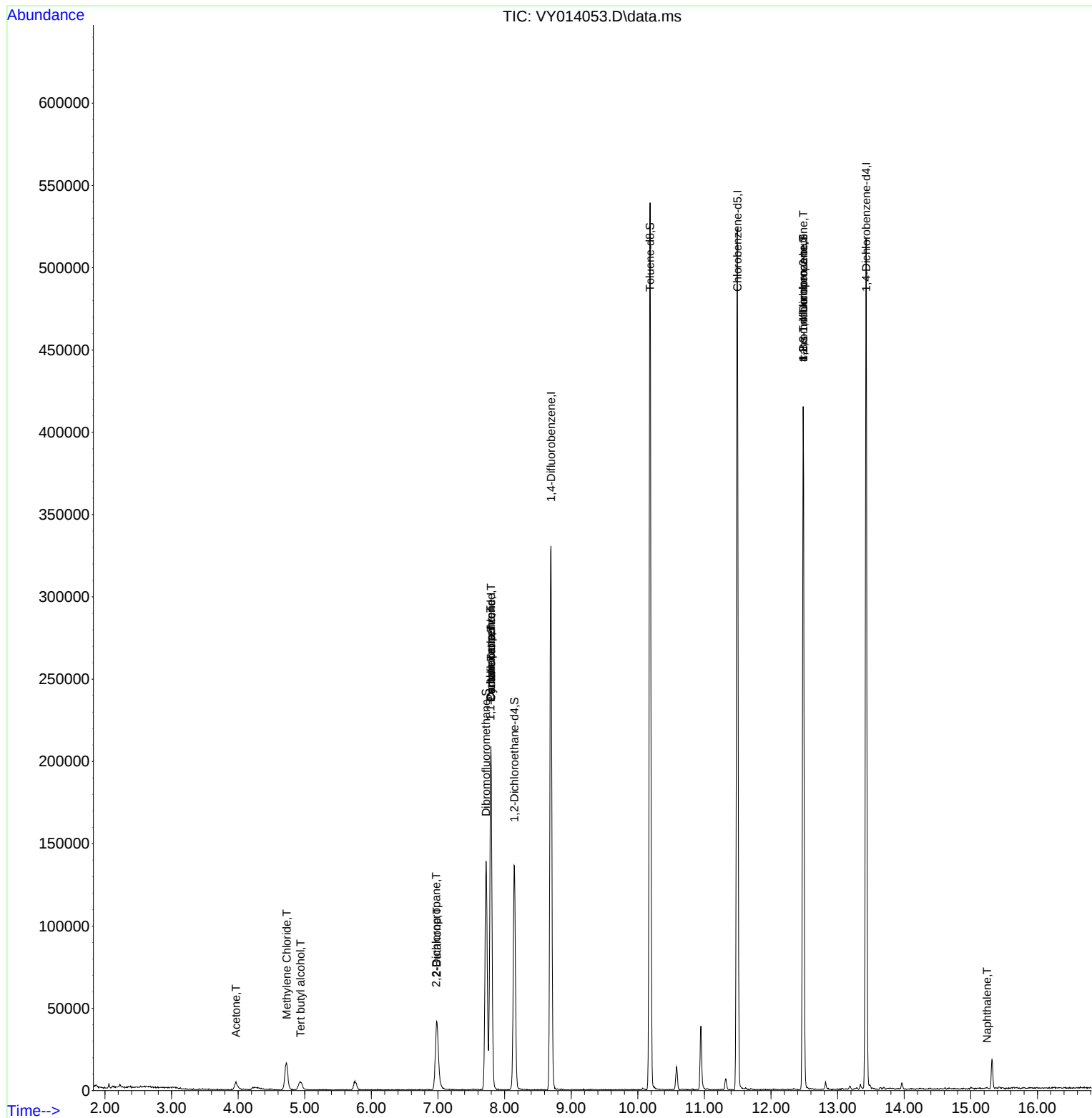
Internal Standards						
1) Pentafluorobenzene	7.795	168	160481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	276427	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	284896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	113696	53.519	ug/l	0.01
Spiked Amount	50.000	Range 50 - 163	Recovery	= 107.040%		
35) Dibromofluoromethane	7.722	113	94590	53.845	ug/l	0.01
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.680%		
50) Toluene-d8	10.185	98	345163	51.510	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 103.020%		
62) 4-Bromofluorobenzene	12.483	95	115491	50.555	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 101.100%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	5439	12.457	ug/l #	89
16) Acetone	3.966	43	10212	14.050	ug/l	99
20) Methylene Chloride	4.728	84	11802	2.183	ug/l	96
25) 2-Butanone	6.984	43	2828	3.123	ug/l #	62
26) 2,2-Dichloropropane	6.972	77	3447	1.173	ug/l #	54
31) Cyclohexane	7.795	56	3699	1.446	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	12435	4.968	ug/l #	49
38) Carbon Tetrachloride	7.795	117	15071	5.374	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	61930	36.165	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61930	76.725	ug/l #	11
95) Naphthalene	15.245	128	799	4.005	ug/l #	85

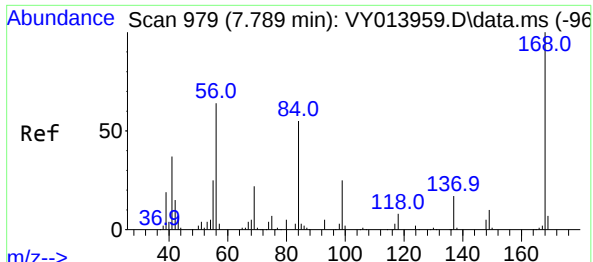
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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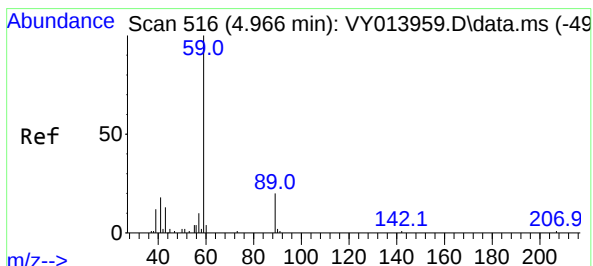
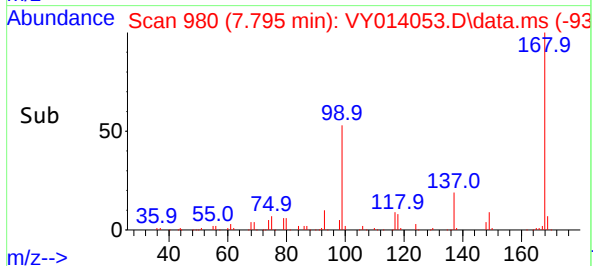
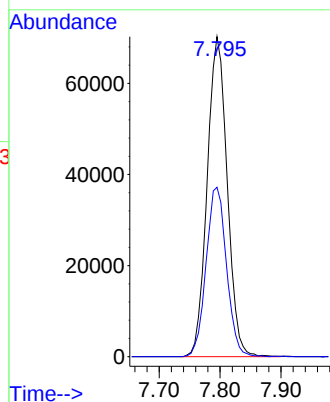
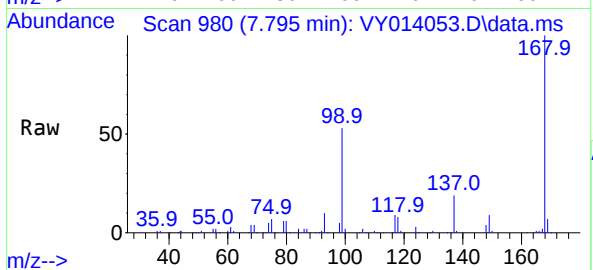




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

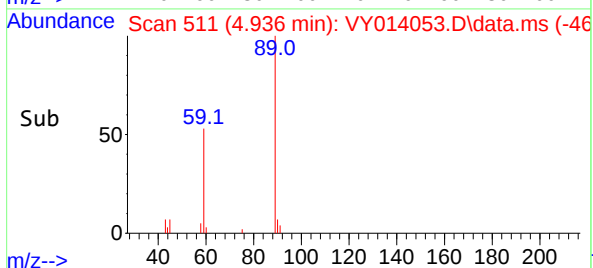
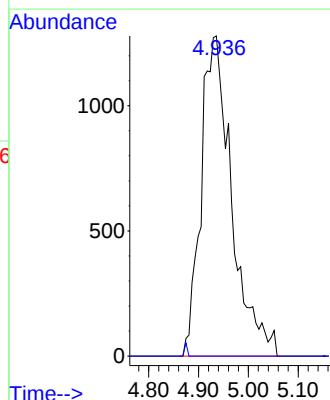
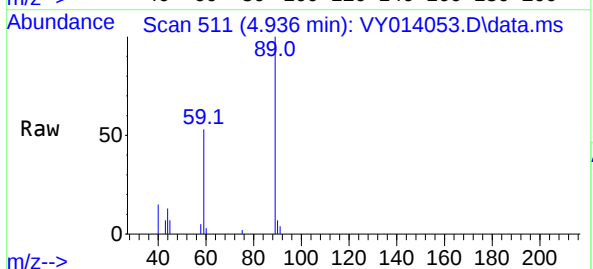
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

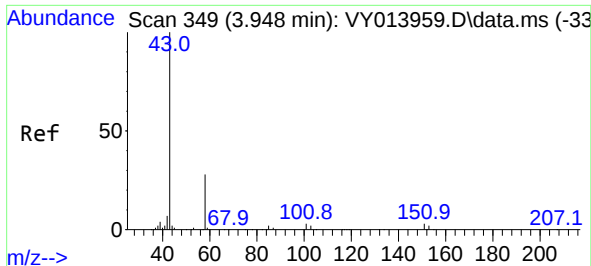
Tgt Ion:168 Resp: 160481
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 12.457 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

Tgt Ion: 59 Resp: 5439
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

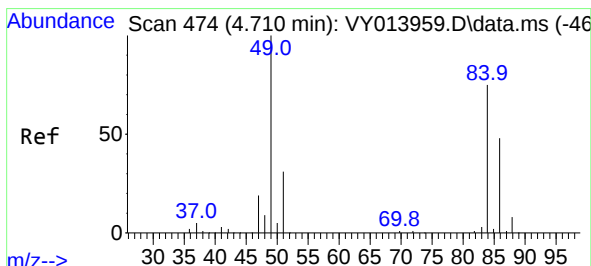
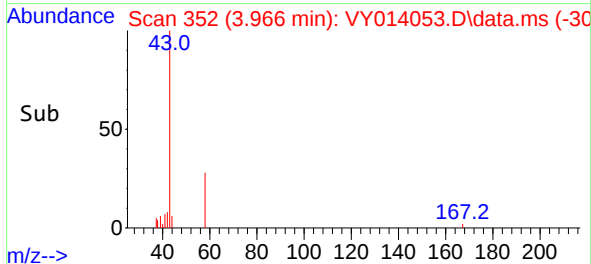
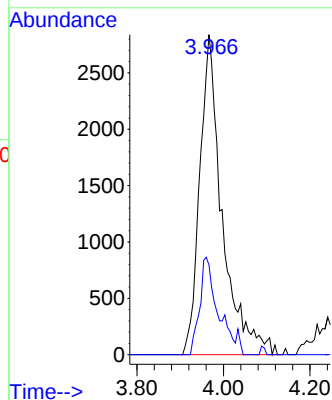
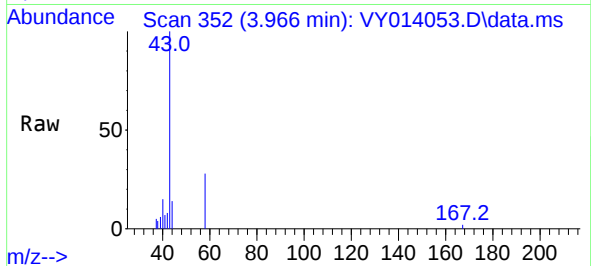




#16
Acetone
Concen: 14.050 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

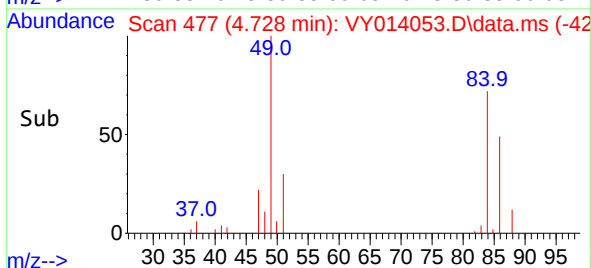
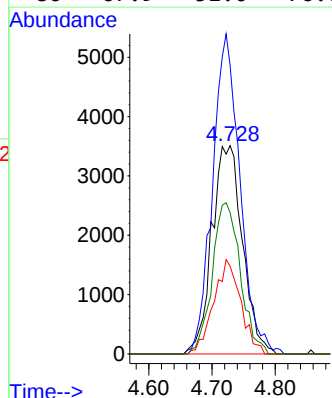
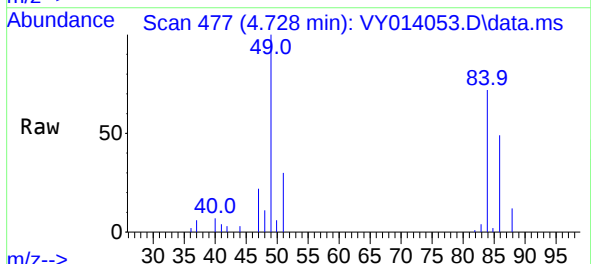
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

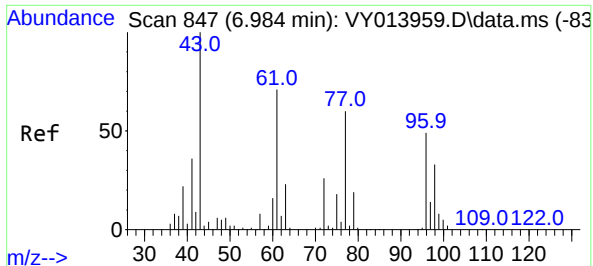
Tgt Ion: 43 Resp: 10212
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1



#20
Methylene Chloride
Concen: 2.183 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.018 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

Tgt Ion: 84 Resp: 11802
Ion Ratio Lower Upper
84 100
49 138.6 106.9 160.3
51 42.1 33.2 49.8
86 67.9 51.0 76.6





#25

2-Butanone

Concen: 3.123 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY014053.D

Acq: 07 Jun 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

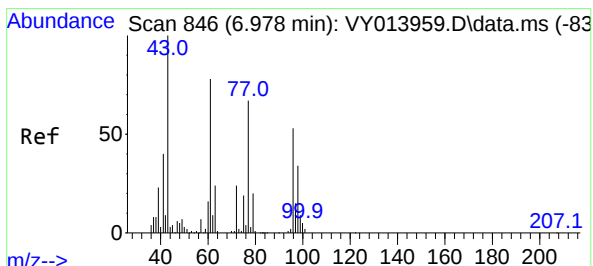
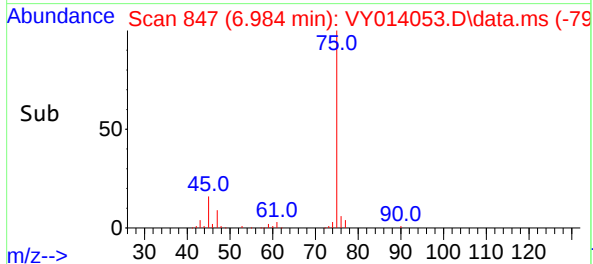
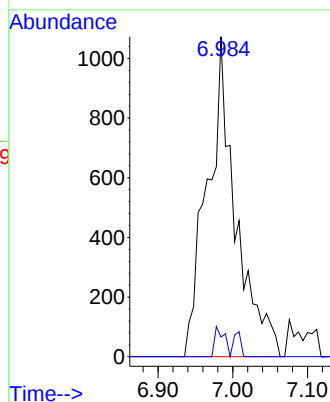
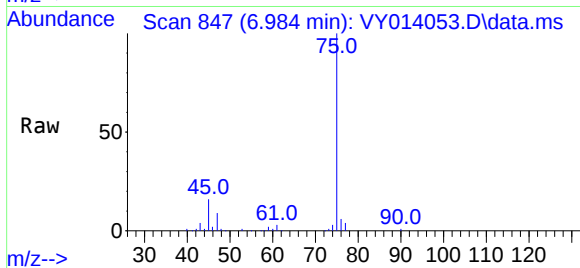
TP-7

Tgt Ion: 43 Resp: 2828

Ion Ratio Lower Upper

43 100

72 6.2 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.173 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY014053.D

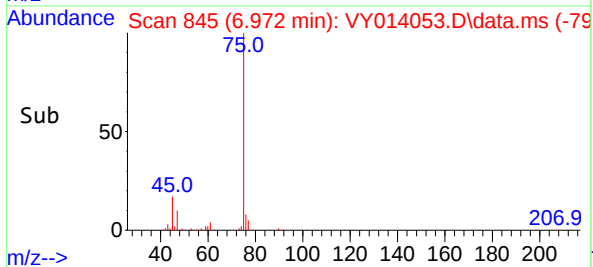
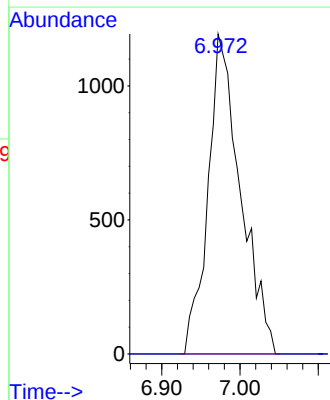
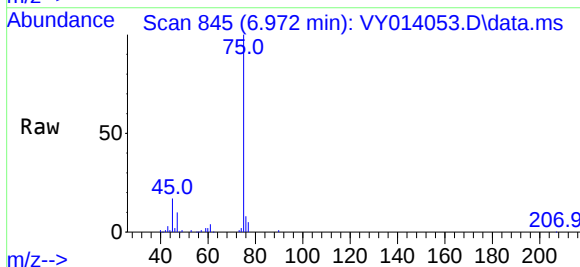
Acq: 07 Jun 2023 12:35

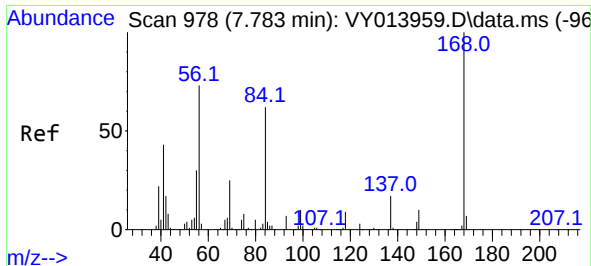
Tgt Ion: 77 Resp: 3447

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

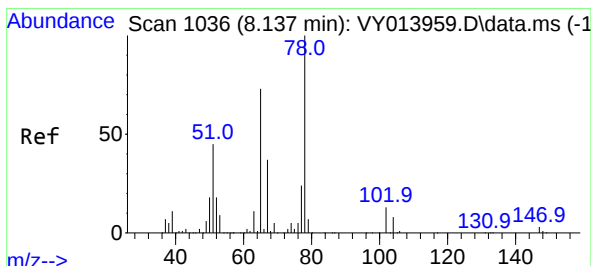
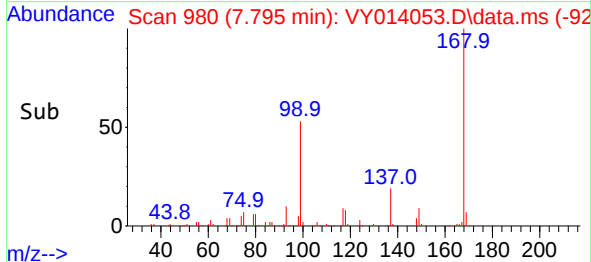
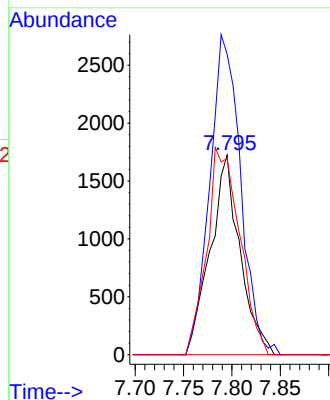
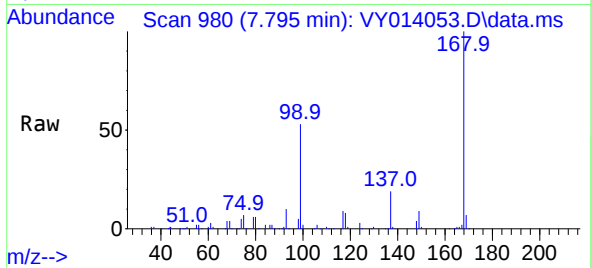




#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

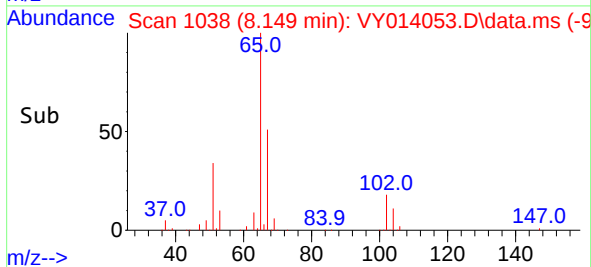
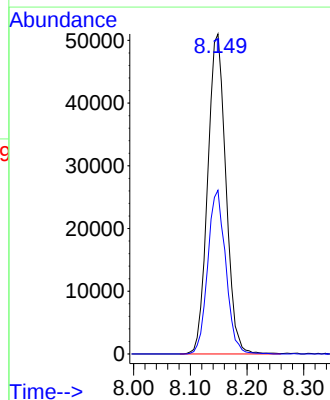
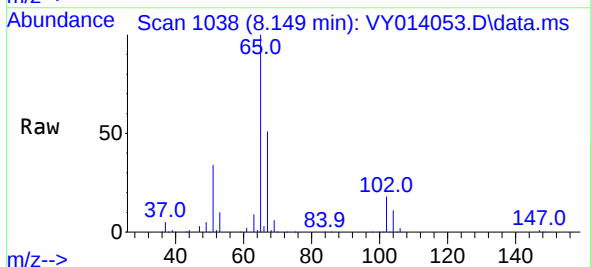
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

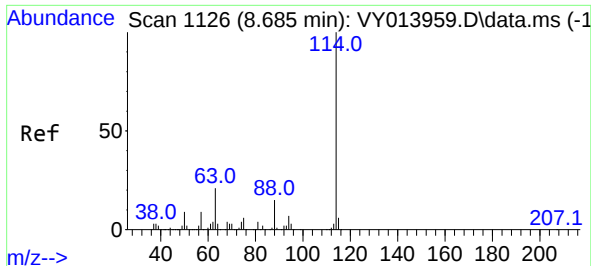
Tgt Ion: 56 Resp: 3699
Ion Ratio Lower Upper
56 100
69 150.6 27.8 41.6#
84 98.3 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 53.519 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

Tgt Ion: 65 Resp: 113696
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY014053.D

Acq: 07 Jun 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

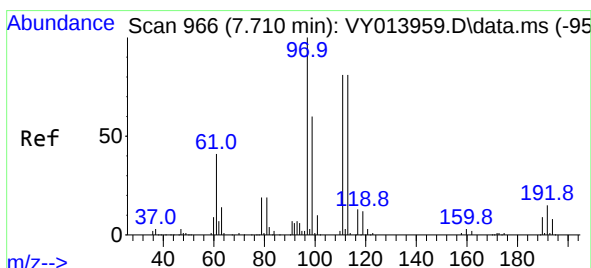
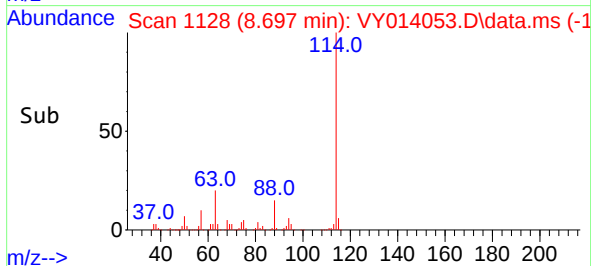
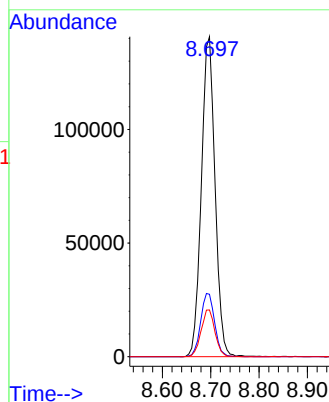
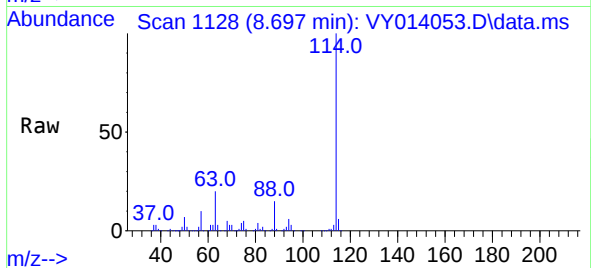
Tgt Ion:114 Resp: 276427

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.845 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY014053.D

Acq: 07 Jun 2023 12:35

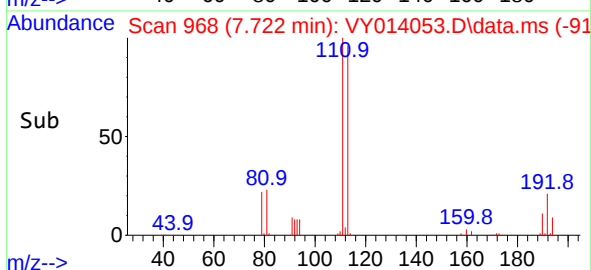
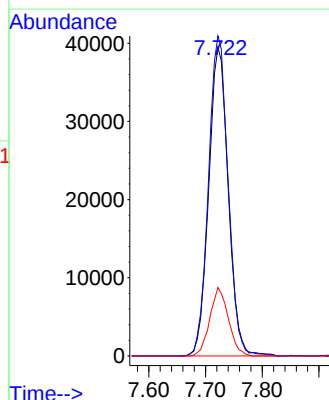
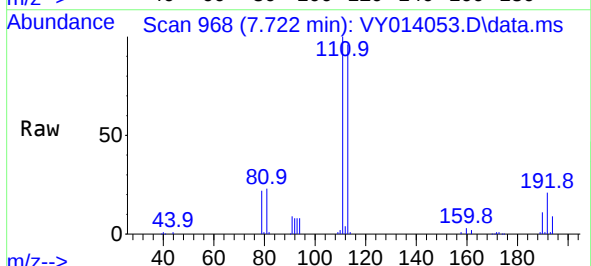
Tgt Ion:113 Resp: 94590

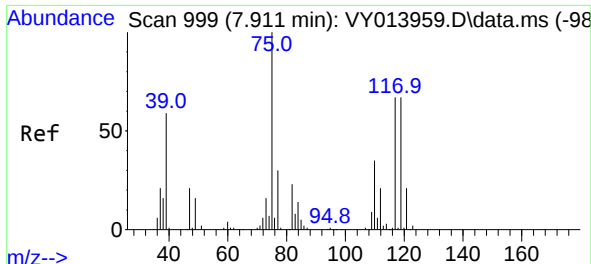
Ion Ratio Lower Upper

113 100

111 104.2 81.3 121.9

192 21.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014053.D

Acq: 07 Jun 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-7

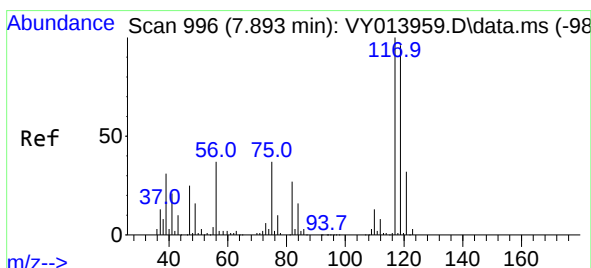
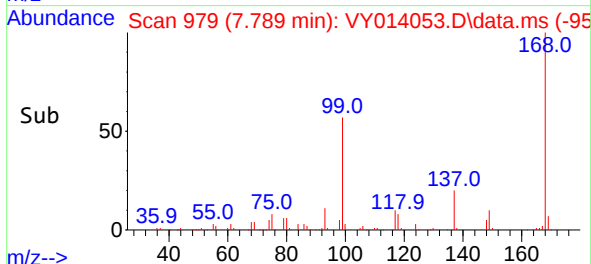
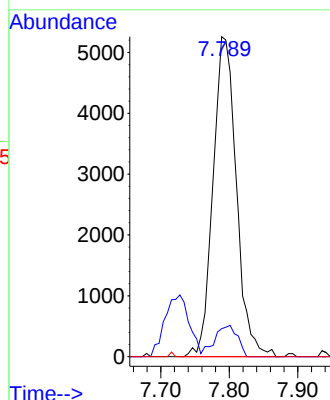
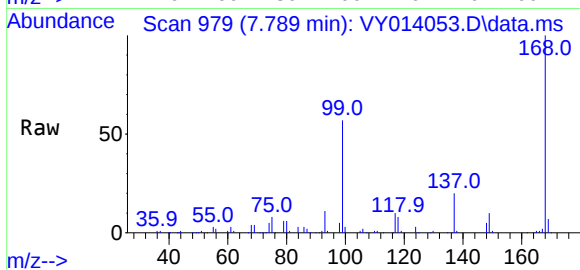
Tgt Ion: 75 Resp: 12435

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.374 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.098 min

Lab File: VY014053.D

Acq: 07 Jun 2023 12:35

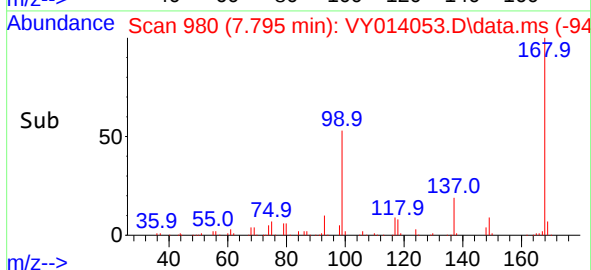
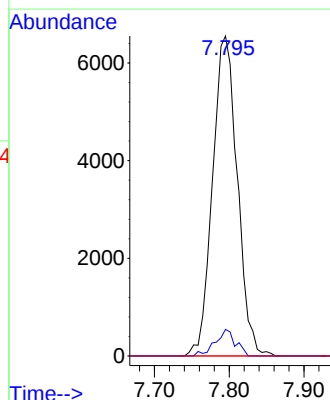
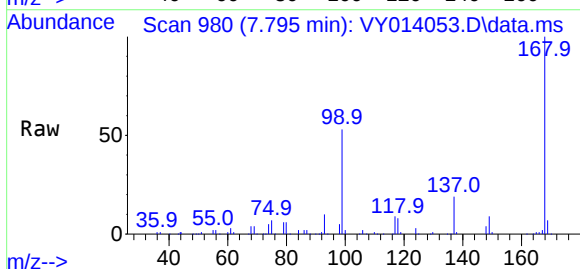
Tgt Ion: 117 Resp: 15071

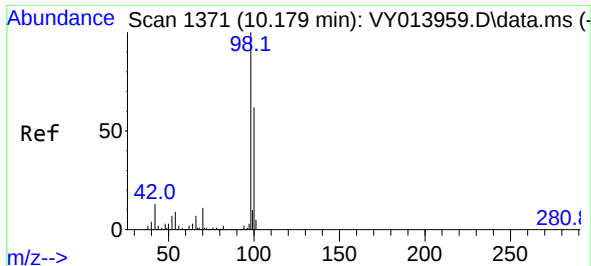
Ion Ratio Lower Upper

117 100

119 8.3 76.4 114.6#

121 0.0 25.8 38.6#

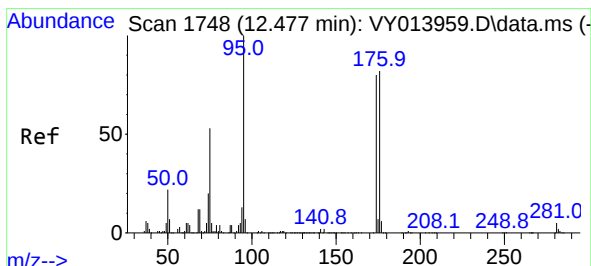
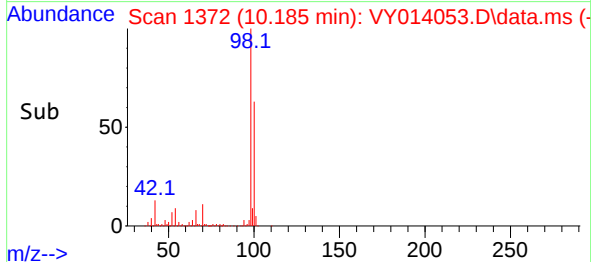
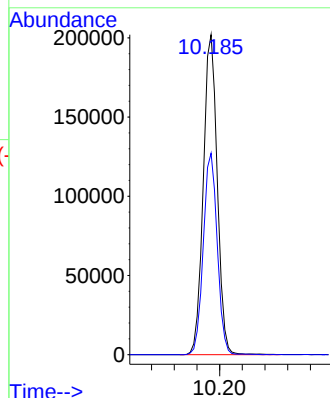
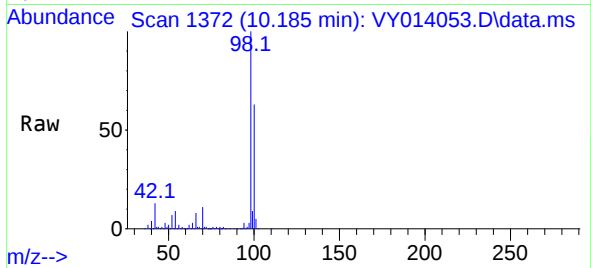




#50
Toluene-d8
Concen: 51.510 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

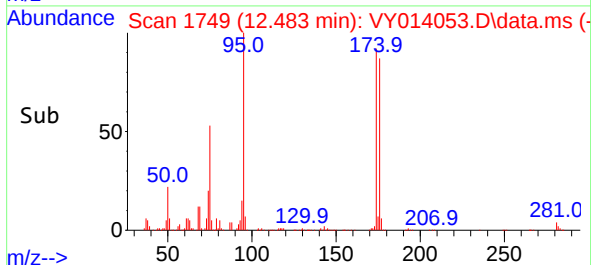
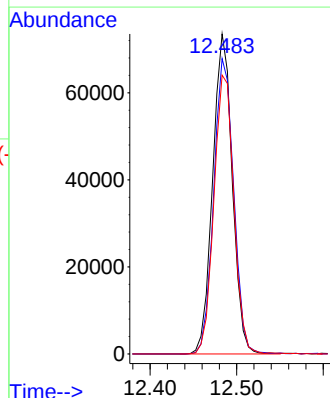
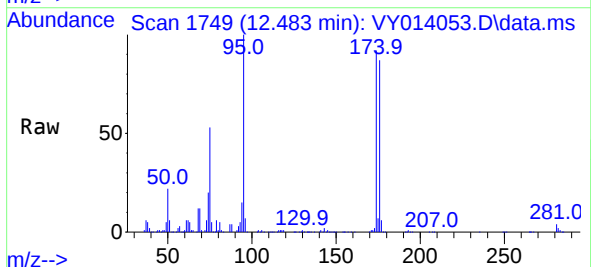
Instrument :
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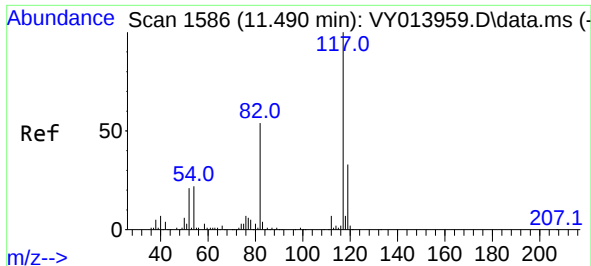
Tgt Ion: 98 Resp: 345163
Ion Ratio Lower Upper
98 100
100 62.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.555 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

Tgt Ion: 95 Resp: 115491
Ion Ratio Lower Upper
95 100
174 93.8 0.0 178.2
176 89.1 0.0 173.8

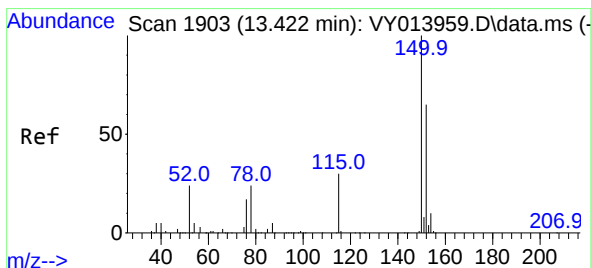
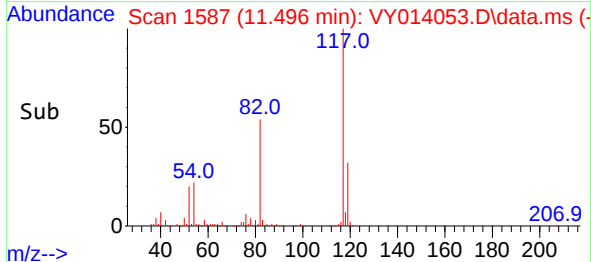
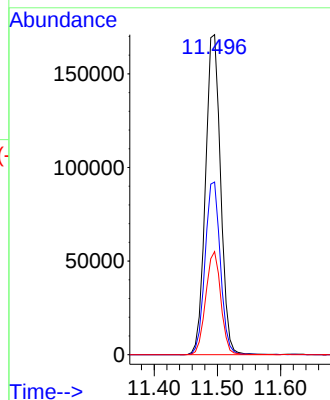
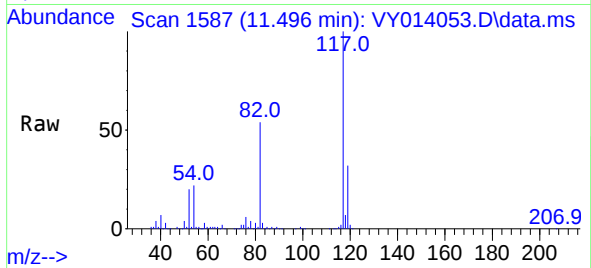




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

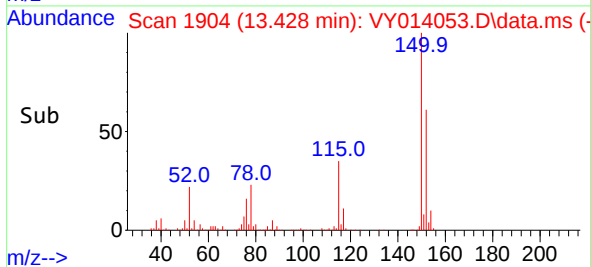
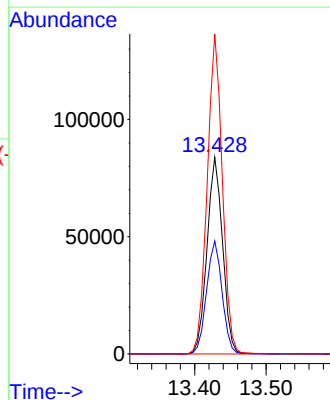
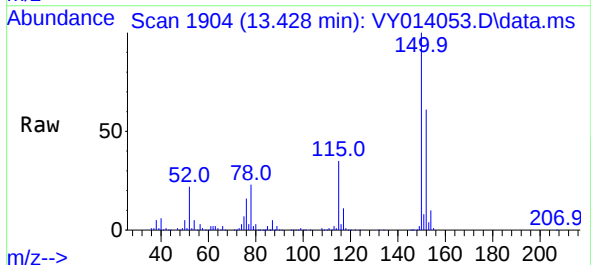
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

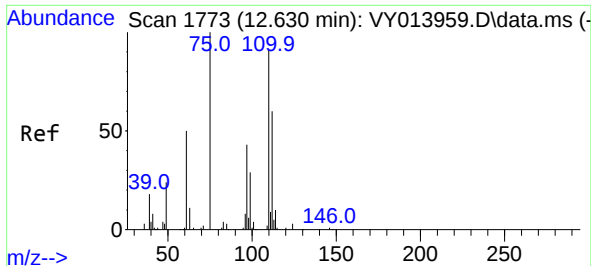
Tgt Ion:117 Resp: 284896
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

Tgt Ion:152 Resp: 127252
Ion Ratio Lower Upper
152 100
115 57.3 28.8 86.5
150 157.5 0.0 348.8

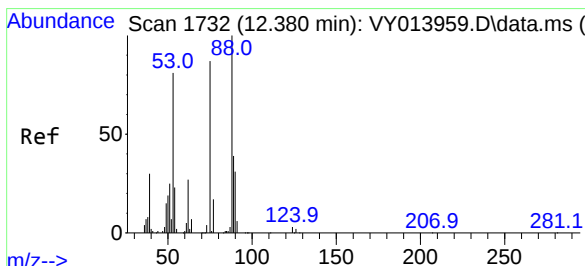
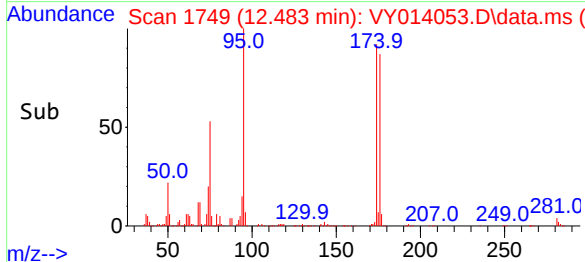
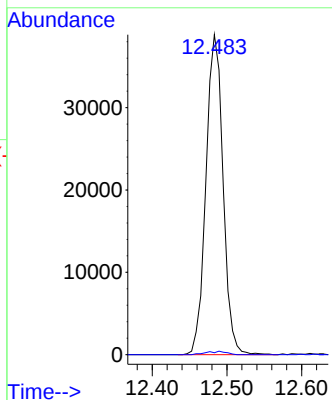
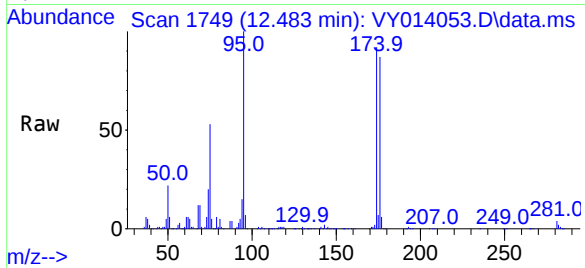




#76
1,2,3-Trichloropropane
Concen: 36.165 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

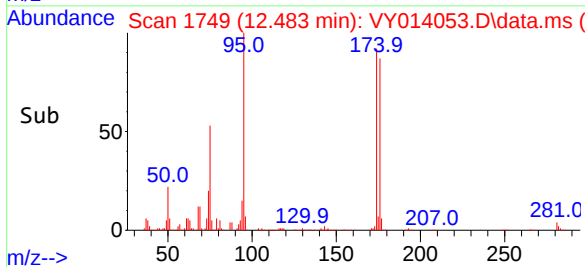
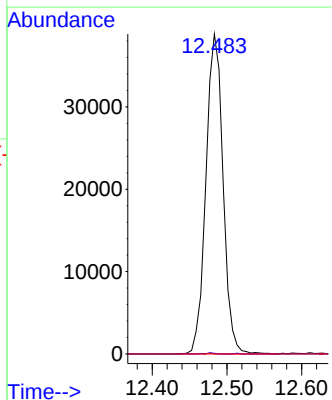
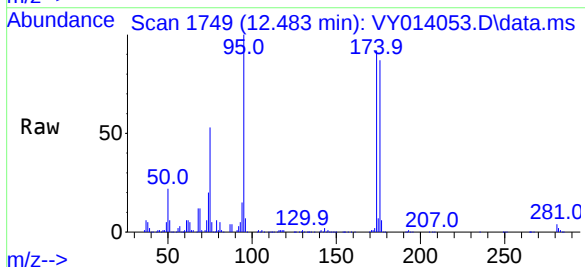
Instrument :
MSVOA_Y
ClientSampleId :
TP-7

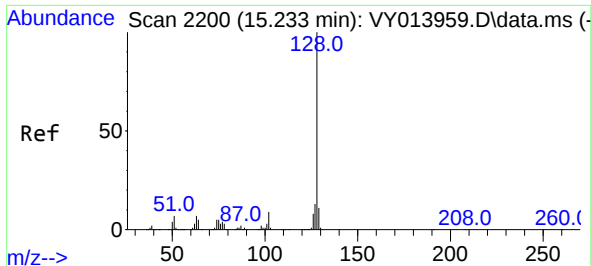
Tgt Ion: 75 Resp: 61930
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.725 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

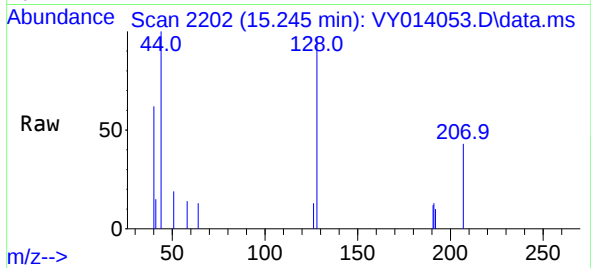
Tgt Ion: 75 Resp: 61930
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 4.005 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY014053.D
Acq: 07 Jun 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-7



Tgt Ion:	128	Resp:	799
Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.8	16.2#
129	9.3	8.6	13.0

