

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060623\
 Data File : VY014034.D
 Acq On : 06 Jun 2023 16:36
 Operator : KP/MD
 Sample : 03029-07
 Misc : 4.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8

Quant Time: Jun 07 01:39:59 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)

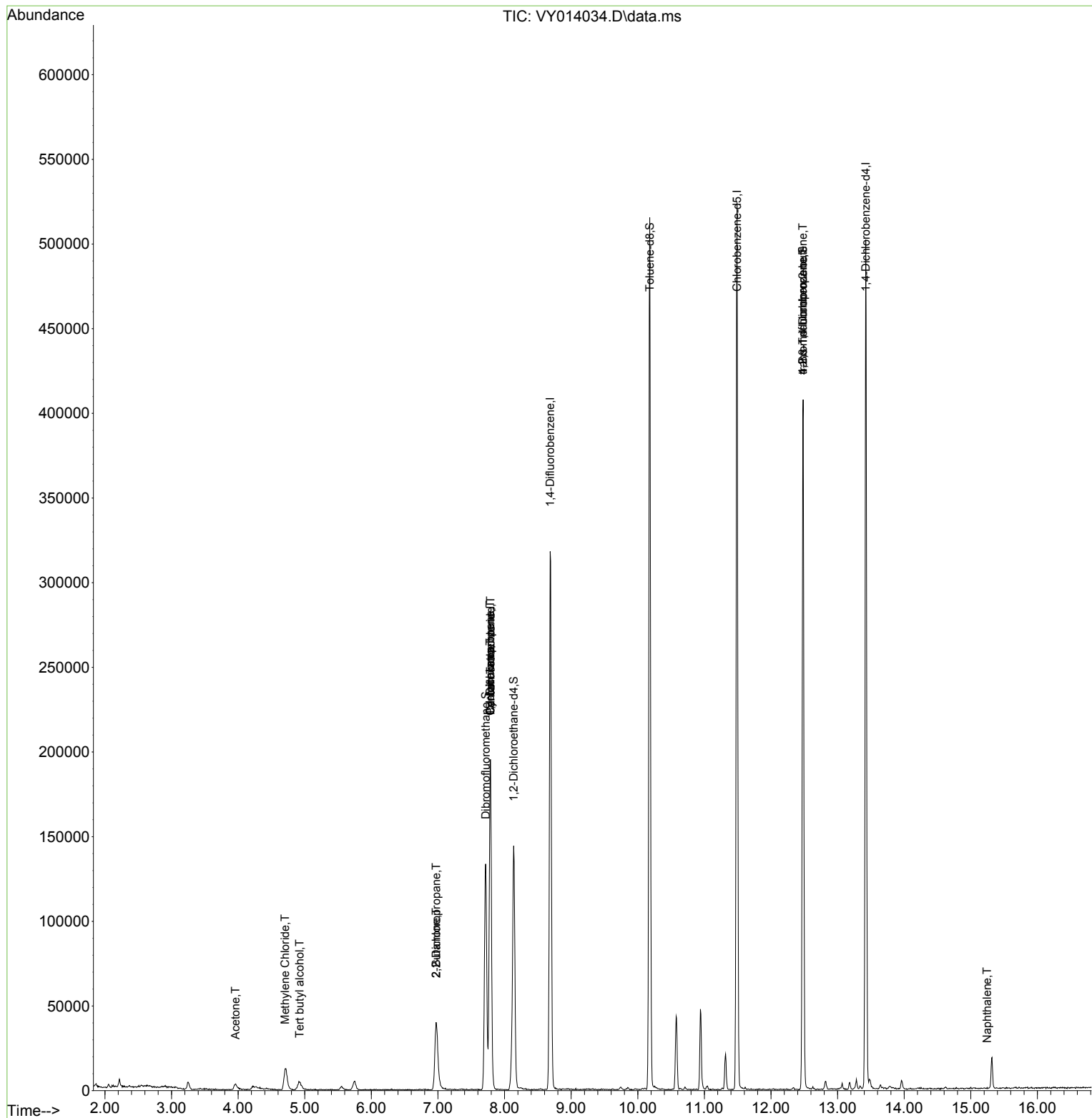
Internal Standards						
1) Pentafluorobenzene	7.789	168	152440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	266190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	272455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	110983	54.998	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 110.000%		
35) Dibromofluoromethane	7.716	113	91991	54.379	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 108.760%		
50) Toluene-d8	10.179	98	328422	50.897	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.800%		
62) 4-Bromofluorobenzene	12.477	95	110931	50.426	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 100.860%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	4945	11.923	ug/l #	91
16) Acetone	3.960	43	7113	10.303	ug/l	95
20) Methylene Chloride	4.704	84	9688	1.297	ug/l #	84
25) 2-Butanone	6.972	43	1595	1.854	ug/l	91
26) 2,2-Dichloropropane	6.972	77	3277	1.174	ug/l #	54
31) Cyclohexane	7.783	56	3469	1.428	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	12277	5.094	ug/l #	51
38) Carbon Tetrachloride	7.789	117	14856	5.501	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	61827	36.772	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61827	78.012	ug/l #	11
95) Naphthalene	15.245	128	147	3.904	ug/l #	72

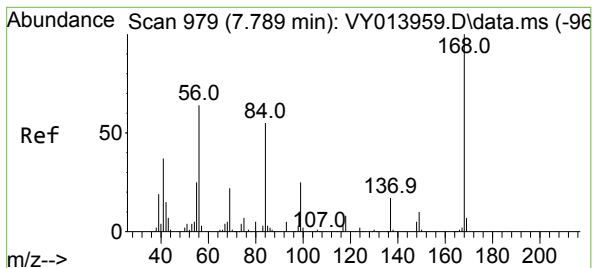
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY014034.D

Acq: 06 Jun 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

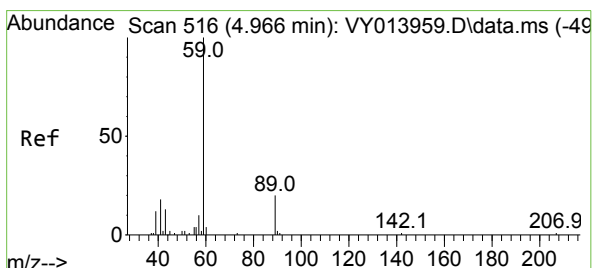
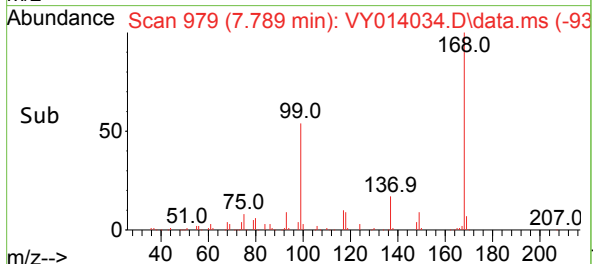
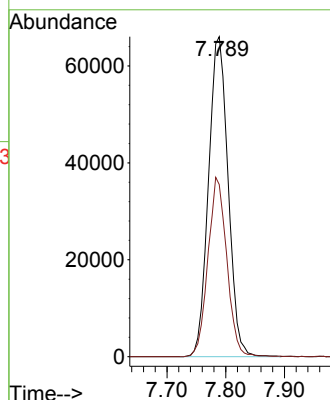
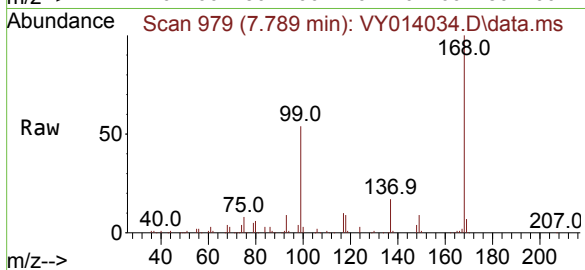
TP-8

Tgt Ion:168 Resp: 152440

Ion Ratio Lower Upper

168 100

99 53.8 43.4 65.0



#11

Tert butyl alcohol

Concen: 11.923 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.042 min

Lab File: VY014034.D

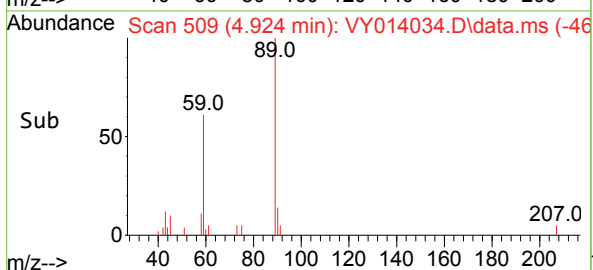
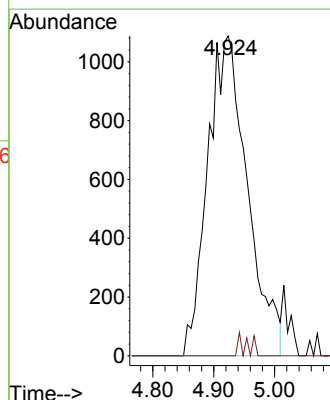
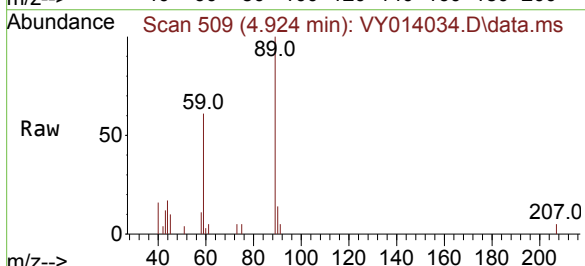
Acq: 06 Jun 2023 16:36

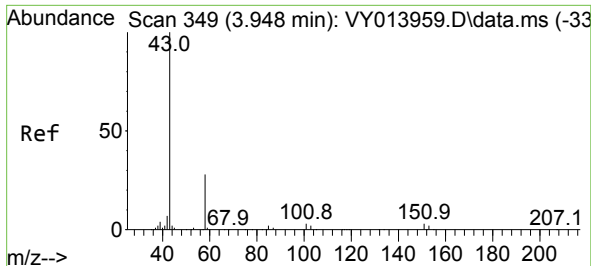
Tgt Ion: 59 Resp: 4945

Ion Ratio Lower Upper

59 100

57 0.6 3.0 4.4#





#16

Acetone

Concen: 10.303 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY014034.D

Acq: 06 Jun 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

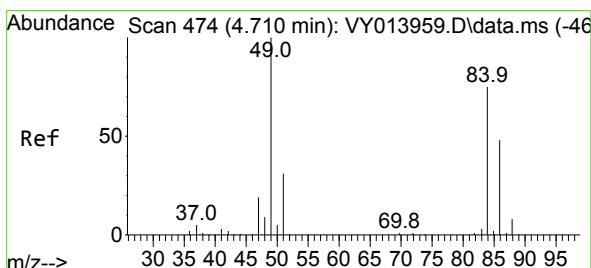
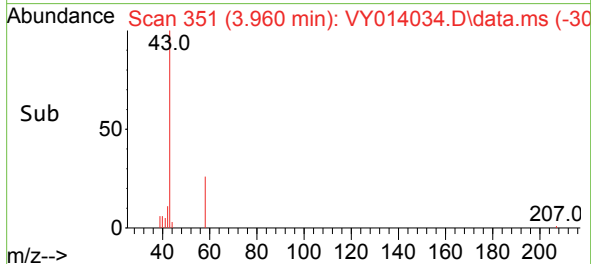
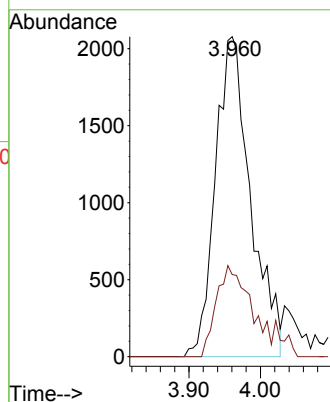
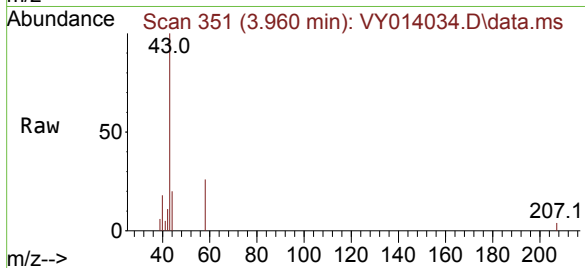
TP-8

Tgt Ion: 43 Resp: 7113

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1



#20

Methylene Chloride

Concen: 1.297 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY014034.D

Acq: 06 Jun 2023 16:36

Tgt Ion: 84 Resp: 9688

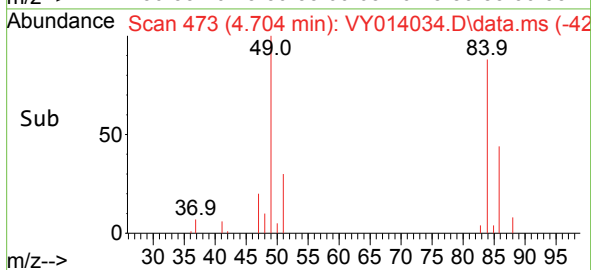
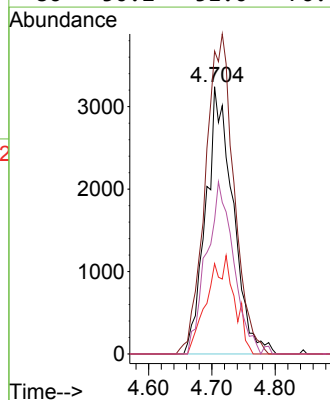
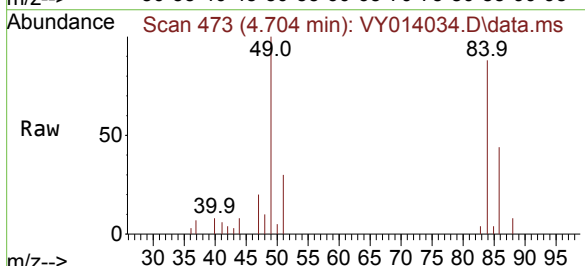
Ion Ratio Lower Upper

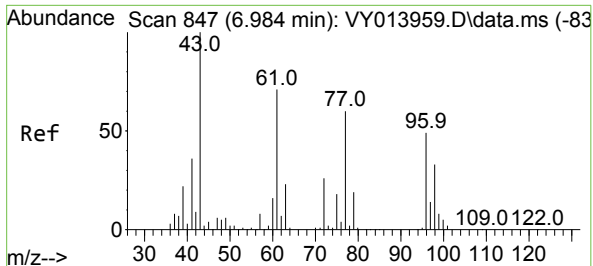
84 100

49 113.3 106.9 160.3

51 33.8 33.2 49.8

86 50.2 51.0 76.6#





#25

2-Butanone

Concen: 1.854 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY014034.D

Acq: 06 Jun 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

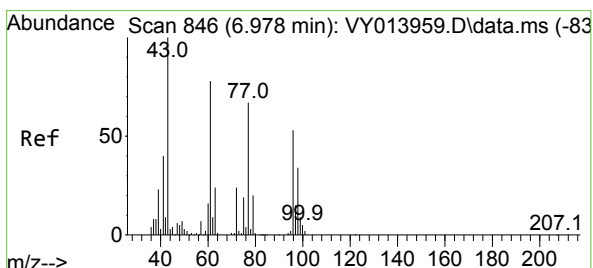
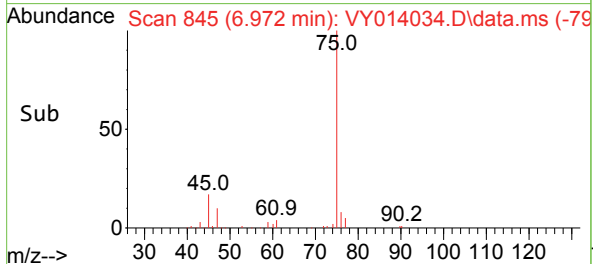
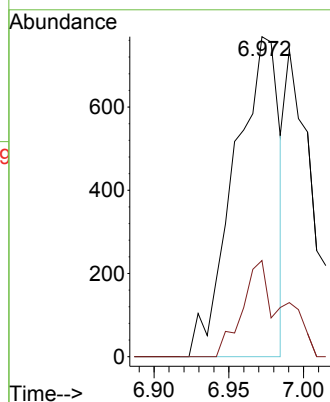
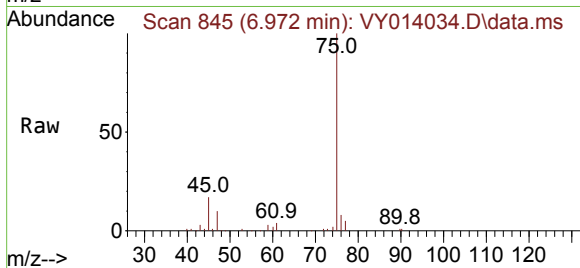
TP-8

Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

72 30.0 20.5 30.7



#26

2,2-Dichloropropane

Concen: 1.174 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY014034.D

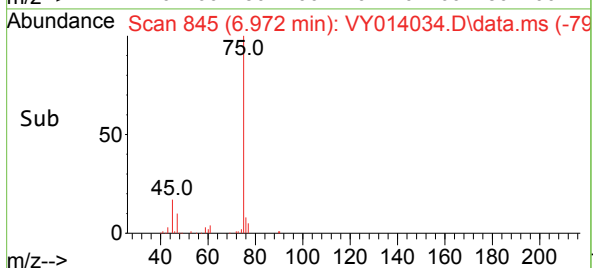
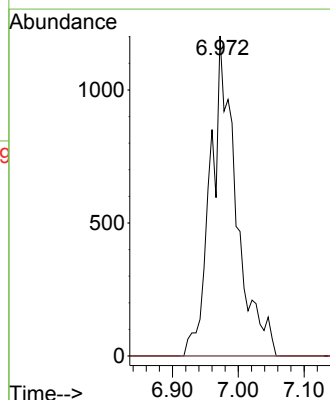
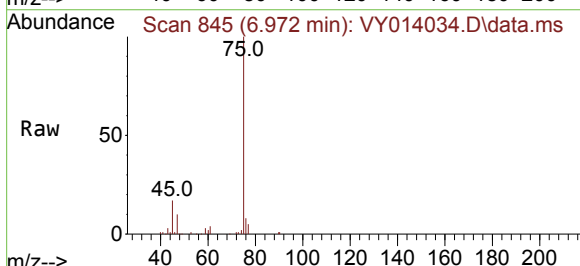
Acq: 06 Jun 2023 16:36

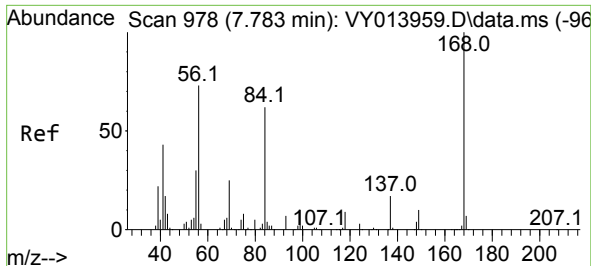
Tgt Ion: 77 Resp: 3277

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

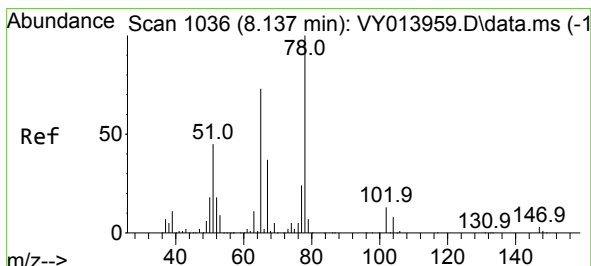
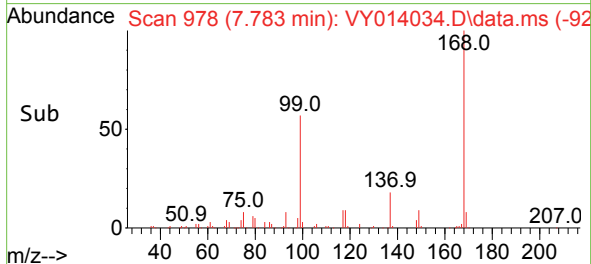
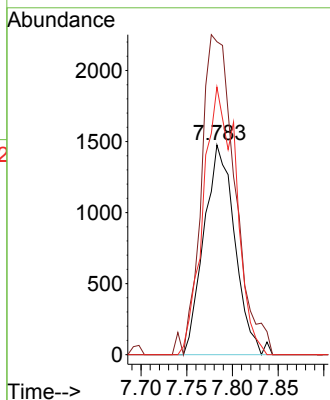
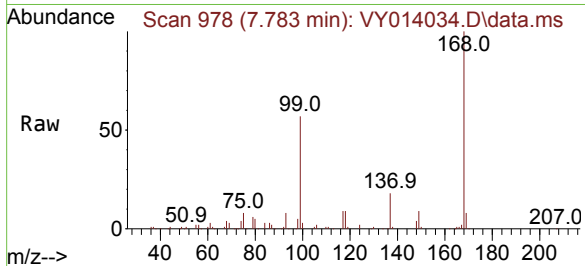




#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

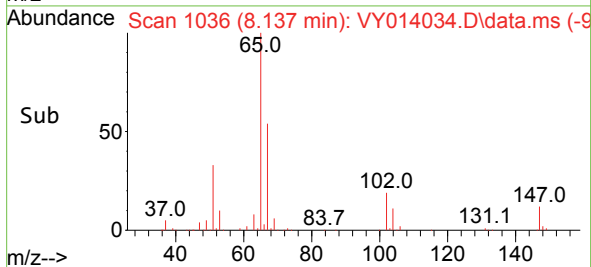
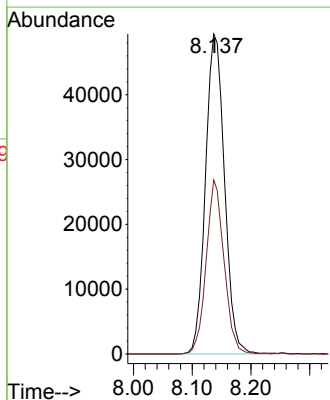
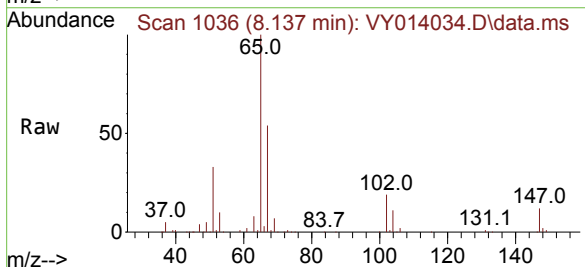
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

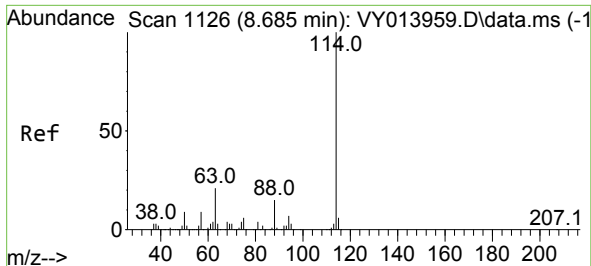
Tgt Ion: 56 Resp: 3469
Ion Ratio Lower Upper
56 100
69 149.3 27.8 41.6#
84 127.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.998 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

Tgt Ion: 65 Resp: 110983
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.8

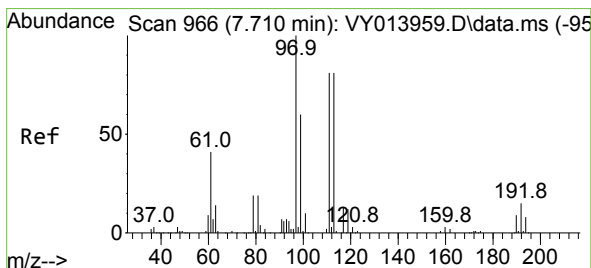
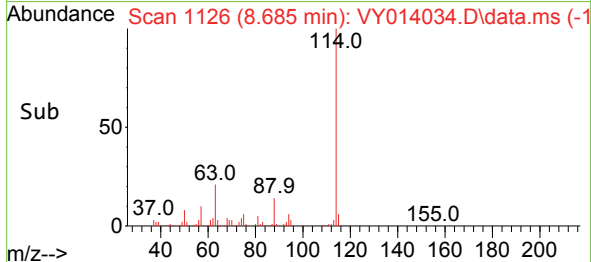
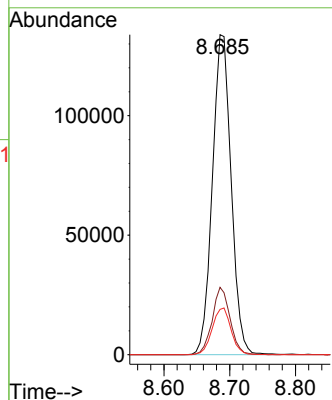
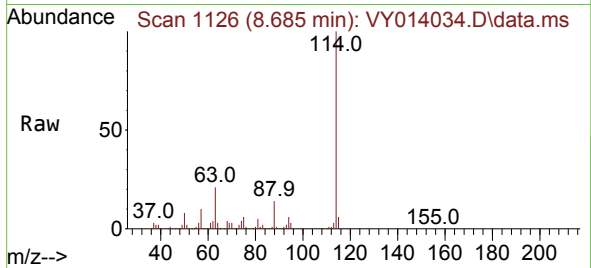




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

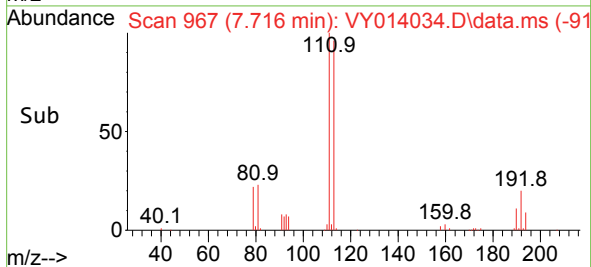
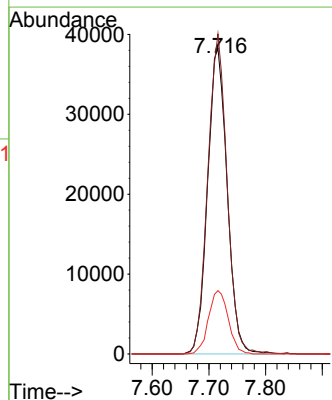
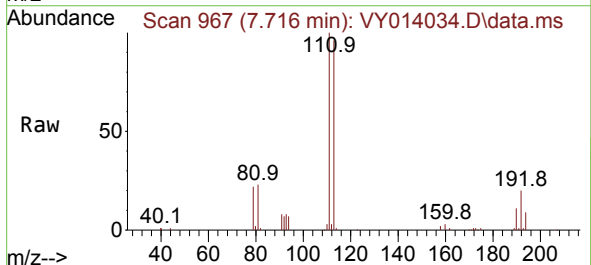
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

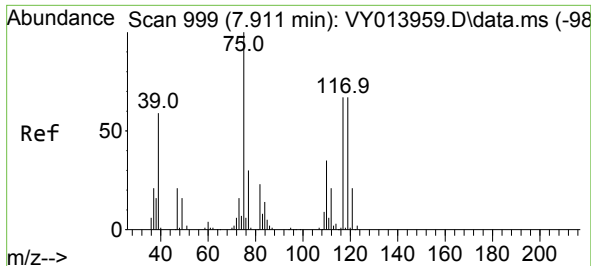
Tgt Ion:	114	Resp:	266190
Ion Ratio	Lower	Upper	
114	100		
63	21.1	0.0	42.4
88	14.2	0.0	30.6



#35
Dibromofluoromethane
Concen: 54.379 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

Tgt Ion:	113	Resp:	91991
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.3	121.9
192	20.9	16.9	25.3

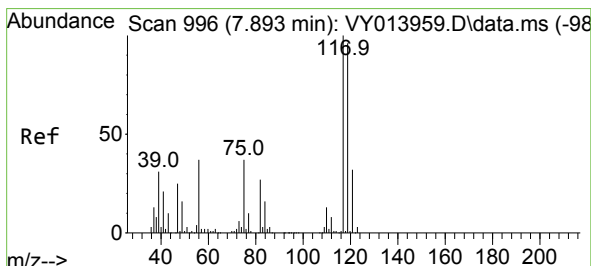
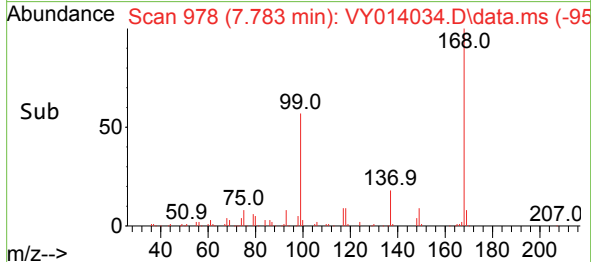
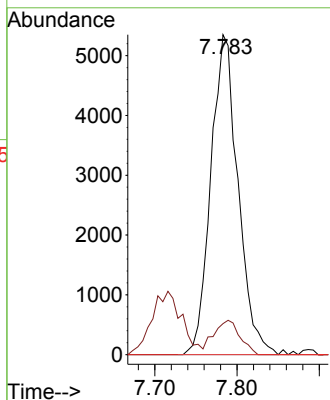
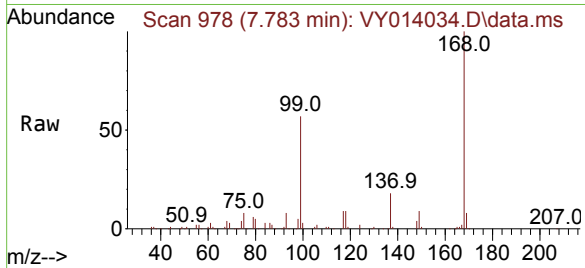




#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

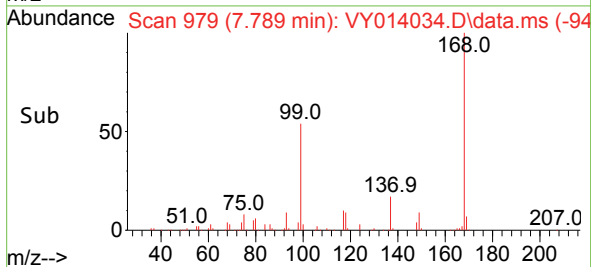
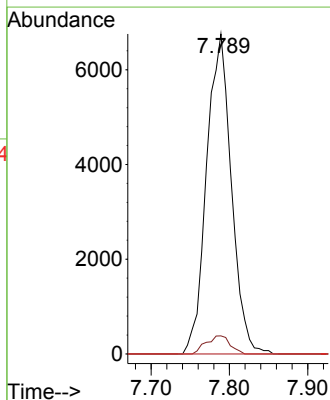
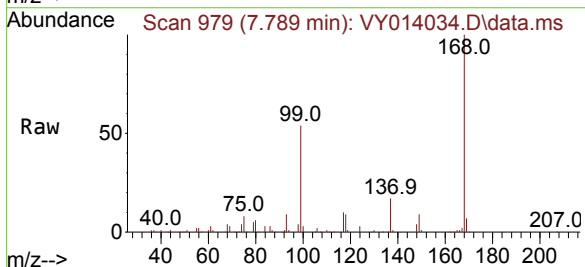
Instrument :
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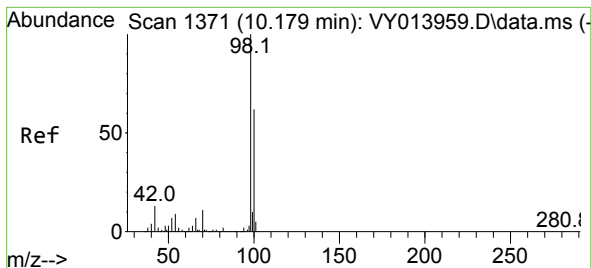
Tgt Ion: 75 Resp: 12277
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

Tgt Ion: 117 Resp: 14856
Ion Ratio Lower Upper
117 100
119 5.7 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.897 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY014034.D

Acq: 06 Jun 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

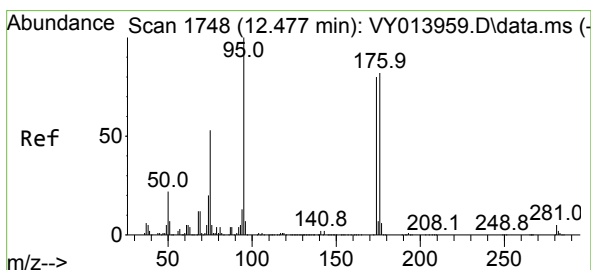
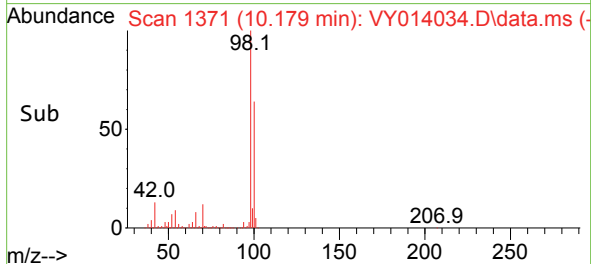
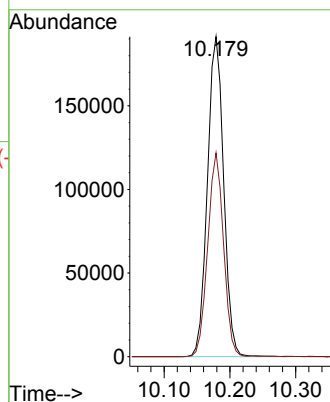
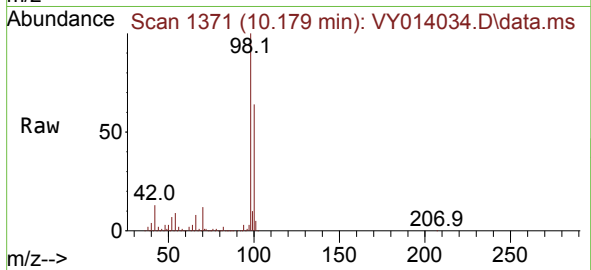
TP-8

Tgt Ion: 98 Resp: 328422

Ion Ratio Lower Upper

98 100

100 62.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.426 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014034.D

Acq: 06 Jun 2023 16:36

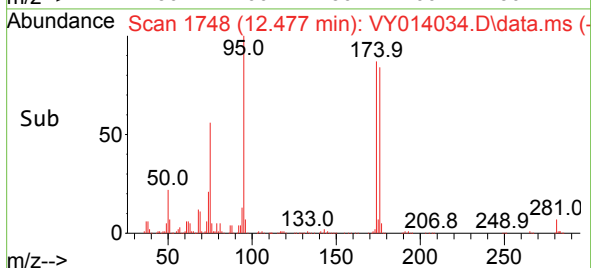
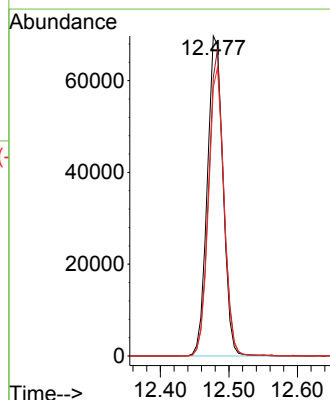
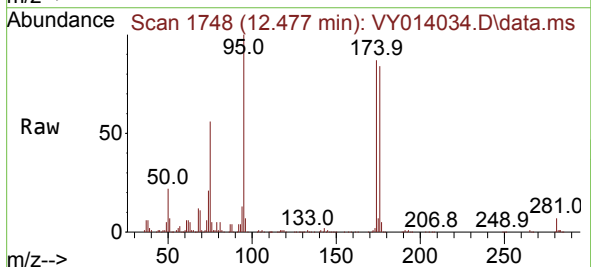
Tgt Ion: 95 Resp: 110931

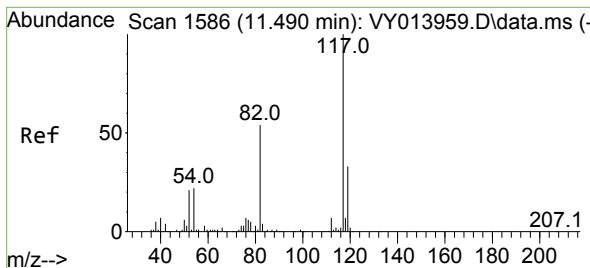
Ion Ratio Lower Upper

95 100

174 92.9 0.0 178.2

176 89.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014034.D

Acq: 06 Jun 2023 16:36

Instrument :

MSVOA_Y

ClientSampleId :

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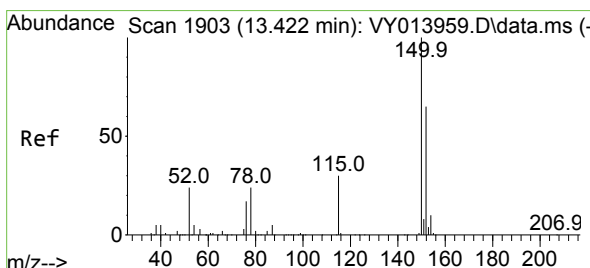
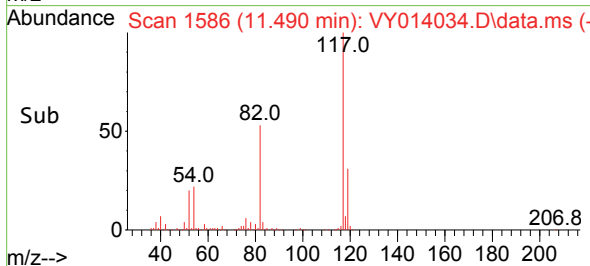
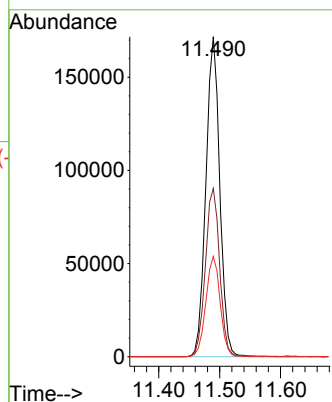
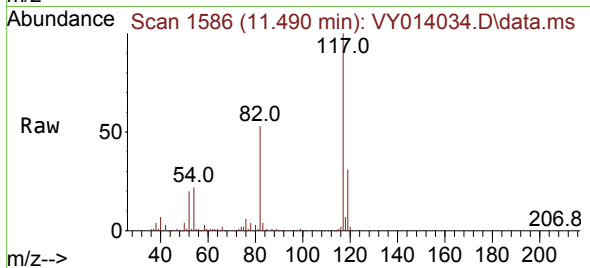
Tgt Ion:117 Resp: 272455

Ion Ratio Lower Upper

117 100

82 52.6 43.4 65.0

119 31.4 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: VY014034.D

Acq: 06 Jun 2023 16:36

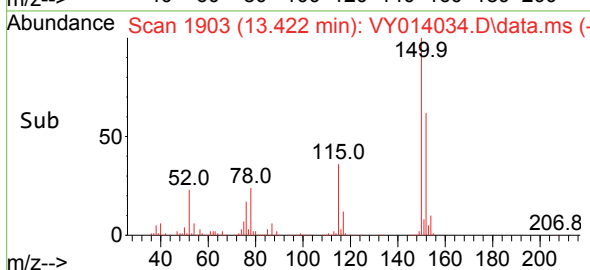
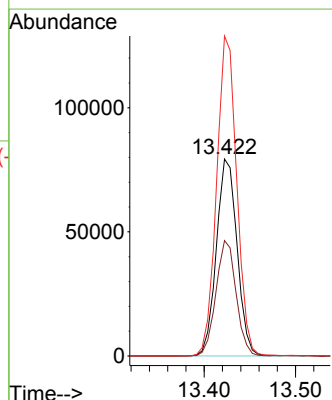
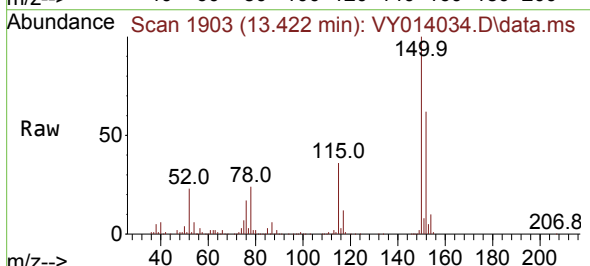
Tgt Ion:152 Resp: 124944

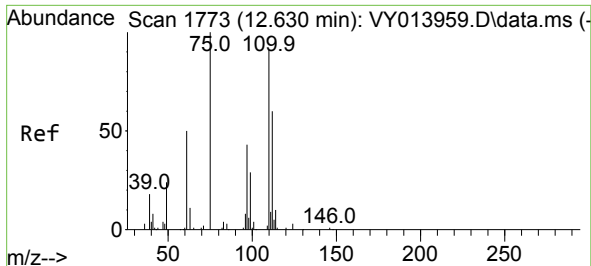
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 157.9 0.0 348.8

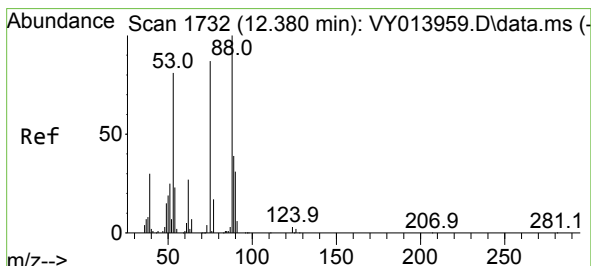
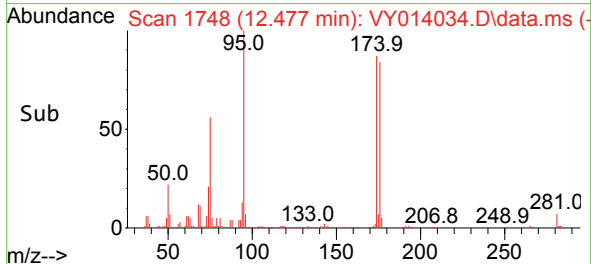
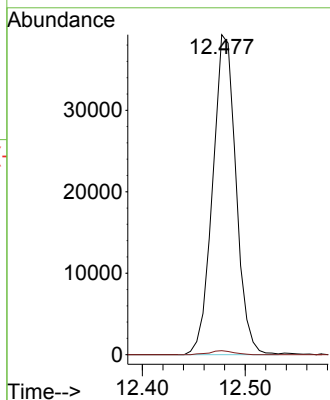
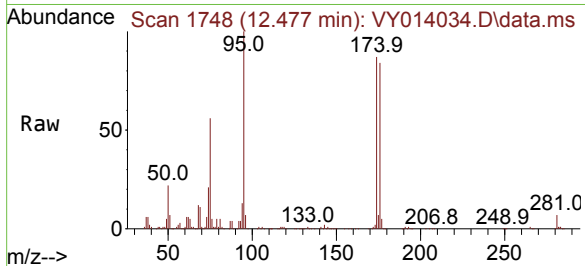




#76
1,2,3-Trichloropropane
Concen: 36.772 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

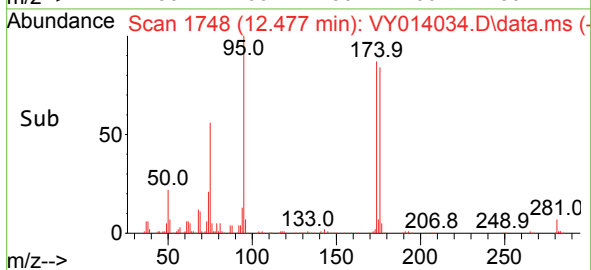
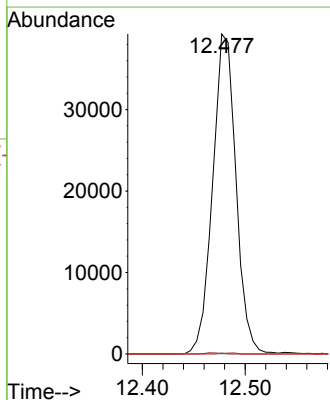
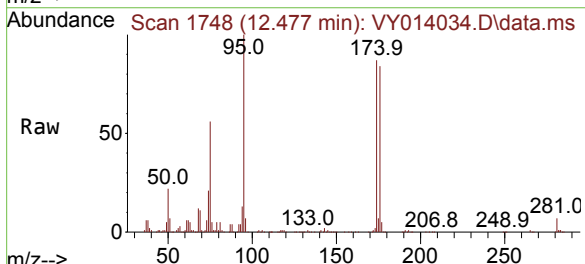
Instrument :
MSVOA_Y
ClientSampleId :
TP-8

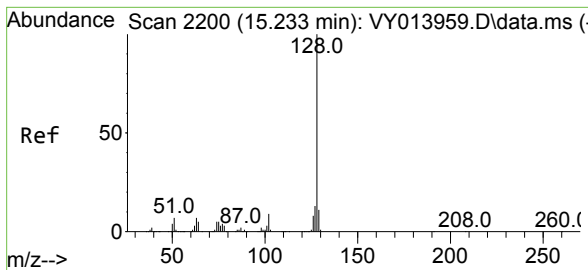
Tgt Ion: 75 Resp: 61827
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.012 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

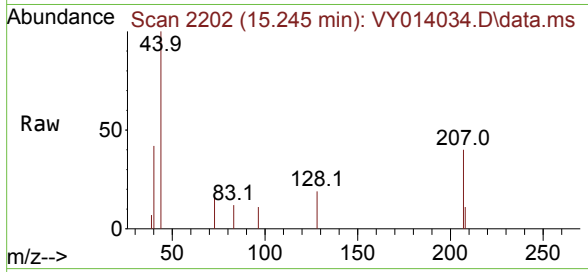
Tgt Ion: 75 Resp: 61827
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 3.904 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY014034.D
Acq: 06 Jun 2023 16:36

Instrument :
MSVOA_Y
ClientSampleId :
TP-8



Tgt Ion:	128	Resp:	147
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	18.4	8.6	13.0#

