

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013504.D
 Acq On : 27 Apr 2023 20:00
 Operator : KP/MD
 Sample : 02491-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

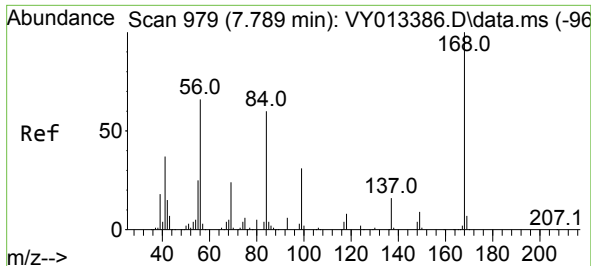
Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP4RE

Quant Time: Apr 28 01:34:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	1852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	3632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2532	124.717	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 249.440%#	
35) Dibromofluoromethane	7.710	113	1556	73.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 147.960%#	
50) Toluene-d8	10.179	98	4394	58.727	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.460%	
62) 4-Bromofluorobenzene	12.483	95	1089	43.174	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	299	12.669	ug/l	89
5) Bromomethane	2.674	94	89	4.753	ug/l #	68
6) Chloroethane	2.802	64	22	1.355	ug/l #	44
8) Diethyl Ether	3.643	74	38	3.135	ug/l	53
10) Methyl Iodide	4.076	142	138	5.503	ug/l #	74
15) Acrylonitrile	5.161	53	46	6.776	ug/l #	18
16) Acetone	3.948	43	192	24.015	ug/l #	43
20) Methylene Chloride	4.704	84	378	8.354	ug/l #	61
21) trans-1,2-Dichloroethene	5.100	96	41	1.948	ug/l #	1
25) 2-Butanone	6.972	43	23	2.268	ug/l #	47
27) cis-1,2-Dichloroethene	6.807	96	29	1.247	ug/l #	1
28) Bromochloromethane	7.588	49	22	1.594	ug/l #	7
36) 1,1-Dichloropropene	7.777	75	197	5.644	ug/l #	40
38) Carbon Tetrachloride	7.789	117	201	5.494	ug/l #	11
41) Methacrylonitrile	7.277	41	28	2.287	ug/l #	21
59) 2-Hexanone	10.935	43	18	1.002	ug/l #	26
74) N-amyl acetate	12.124	43	29	1.112	ug/l #	43
76) 1,2,3-Trichloropropane	12.489	75	677	51.805	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	677	105.971	ug/l #	12

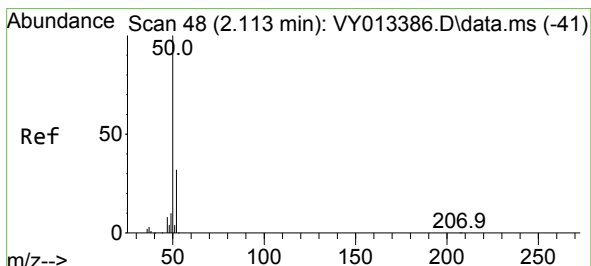
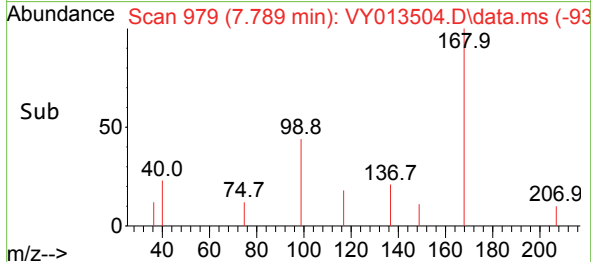
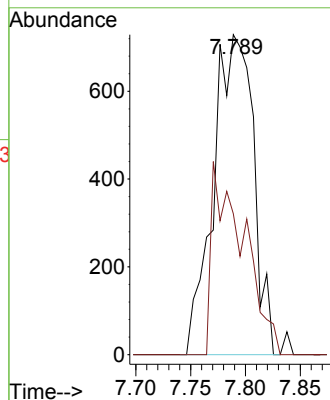
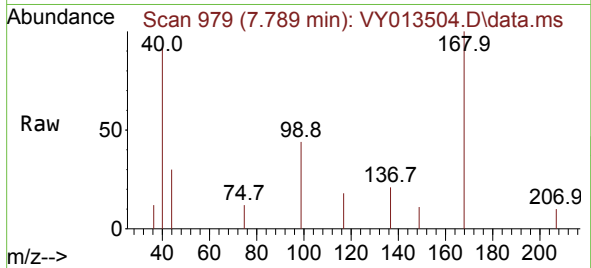
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

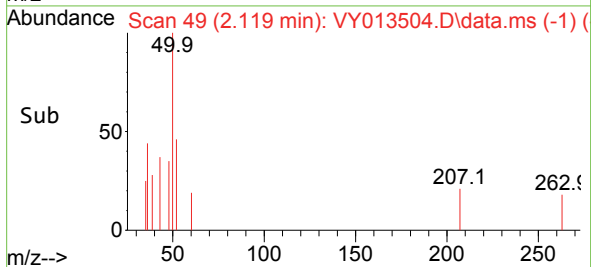
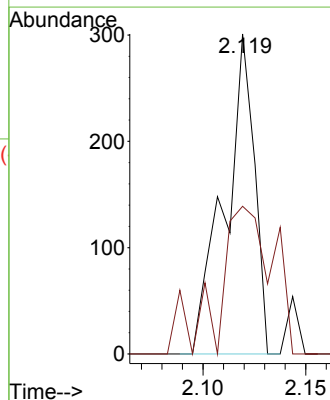
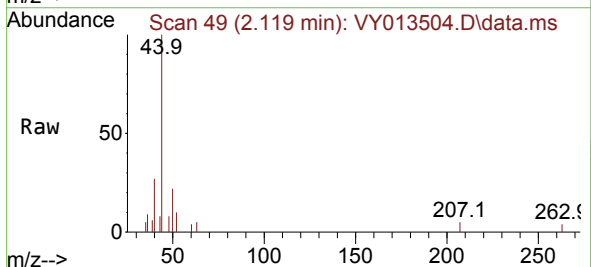
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

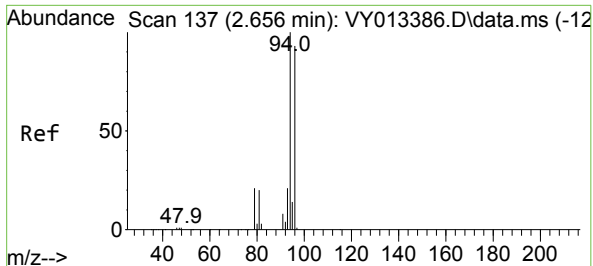
Tgt Ion:168 Resp: 1852
Ion Ratio Lower Upper
168 100
99 44.0 41.8 62.6



#3
Chloromethane
Concen: 12.669 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Tgt Ion: 50 Resp: 299
Ion Ratio Lower Upper
50 100
52 26.2 25.9 38.9

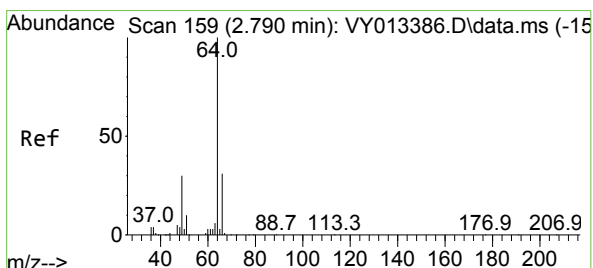
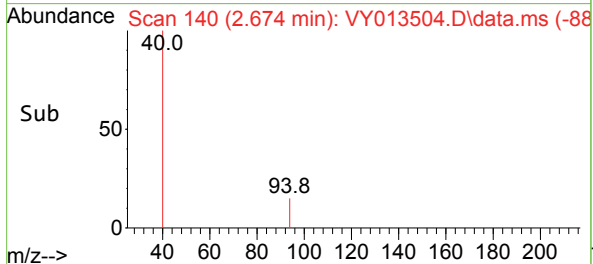
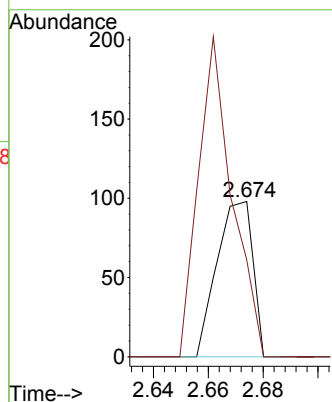
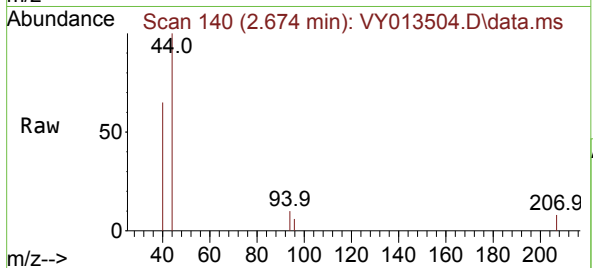




#5
Bromomethane
Concen: 4.753 ug/l
RT: 2.674 min Scan# 141
Delta R.T. 0.018 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

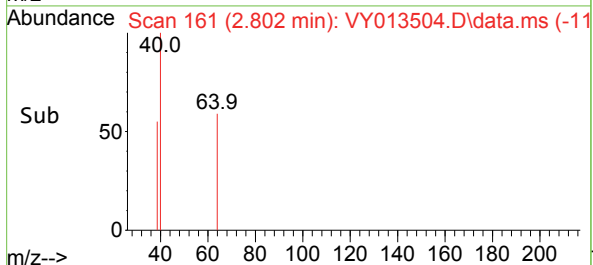
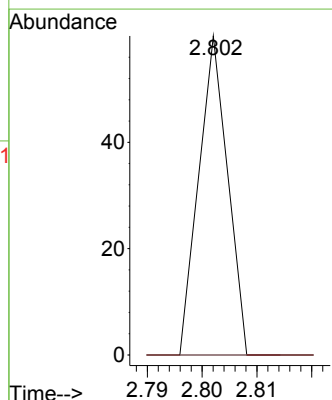
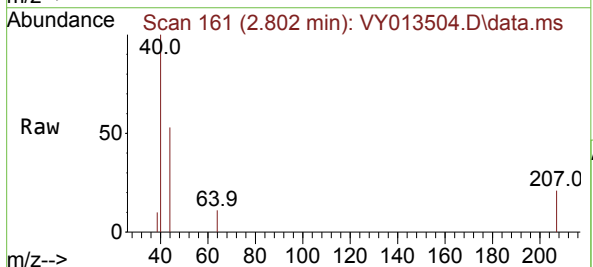
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

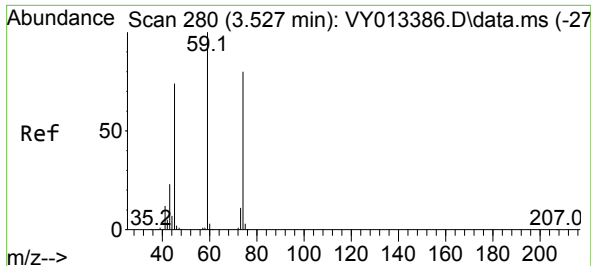
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 62.2 74.2 111.2#



#6
Chloroethane
Concen: 1.355 ug/l
RT: 2.802 min Scan# 161
Delta R.T. 0.012 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#

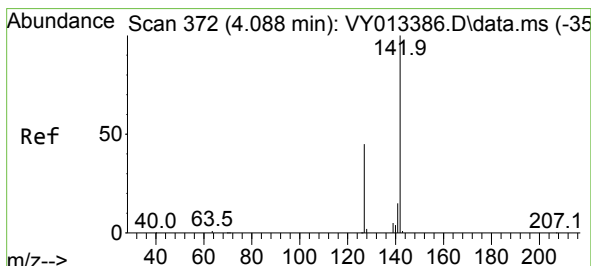
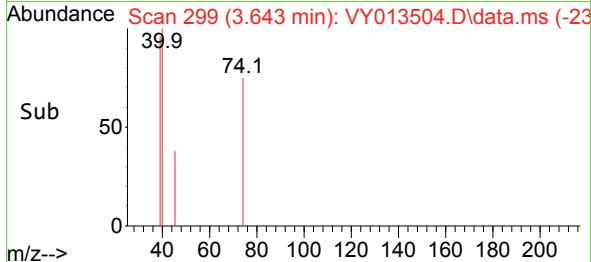
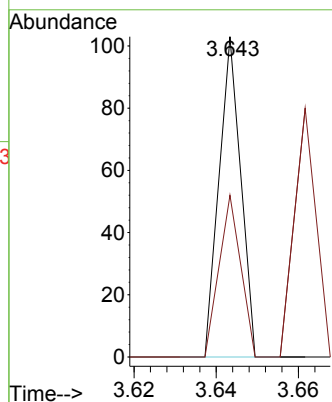
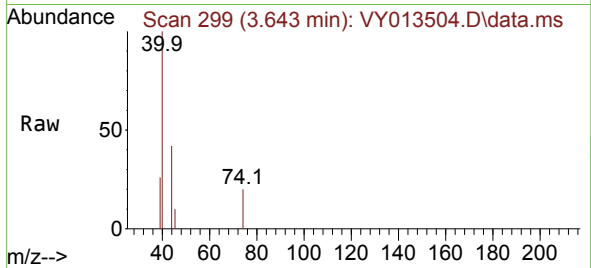




#8
Diethyl Ether
Concen: 3.135 ug/l
RT: 3.643 min Scan# 299
Delta R.T. 0.116 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

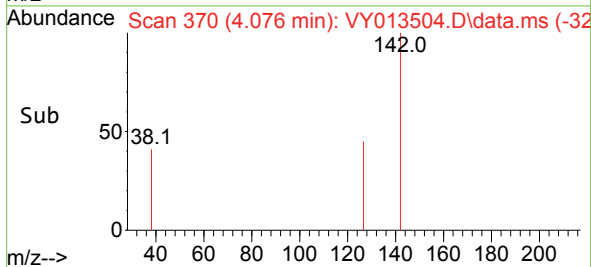
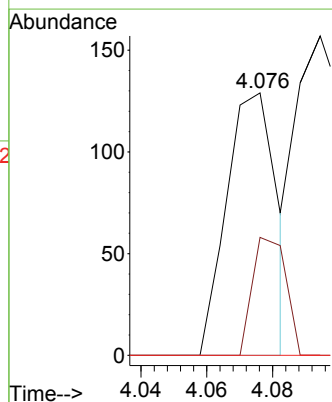
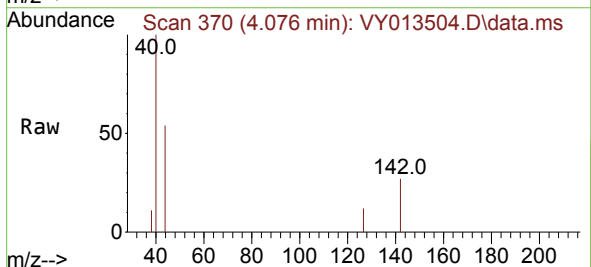
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

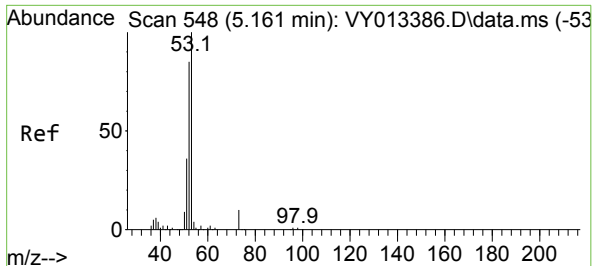
Tgt Ion: 74 Resp: 38
Ion Ratio Lower Upper
74 100
45 50.0 48.2 144.6



#10
Methyl Iodide
Concen: 5.503 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.012 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

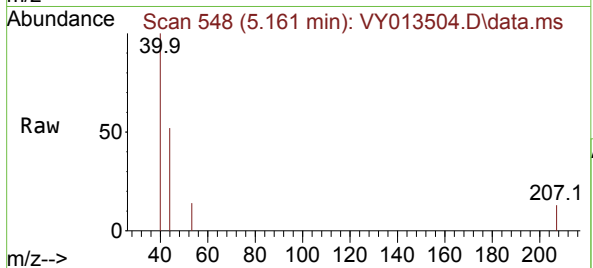
Tgt Ion:142 Resp: 138
Ion Ratio Lower Upper
142 100
127 29.7 36.1 54.1#
141 0.0 11.6 17.4#



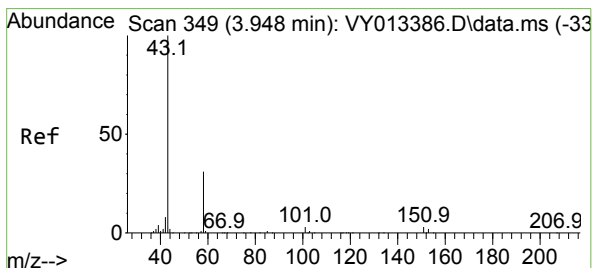
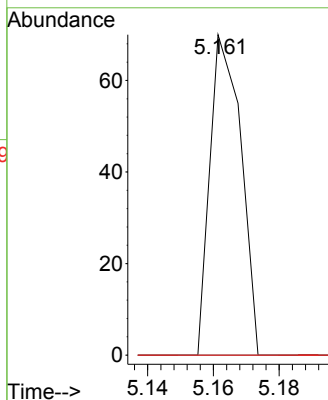
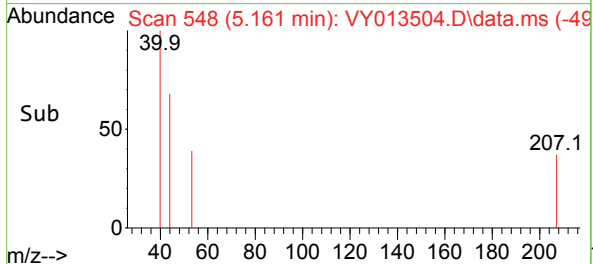


#15
Acrylonitrile
Concen: 6.776 ug/l
RT: 5.161 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

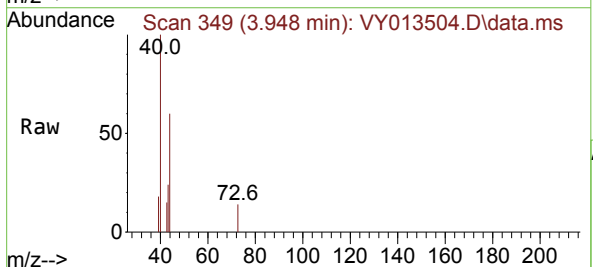
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE



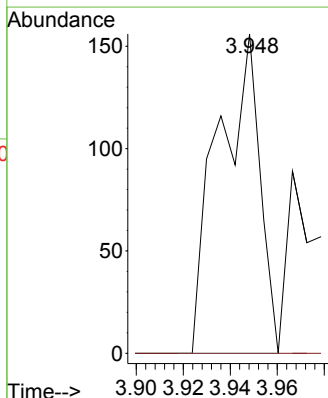
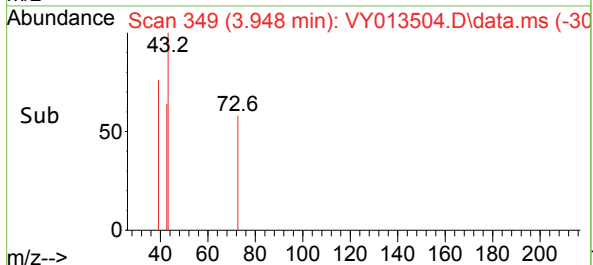
Tgt Ion: 53 Resp: 46
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 29.3 43.9#

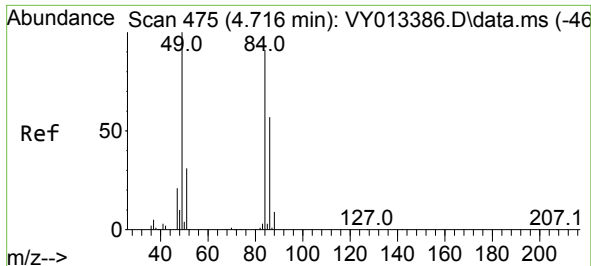


#16
Acetone
Concen: 24.015 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00



Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

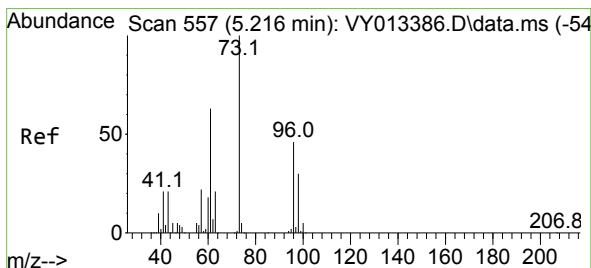
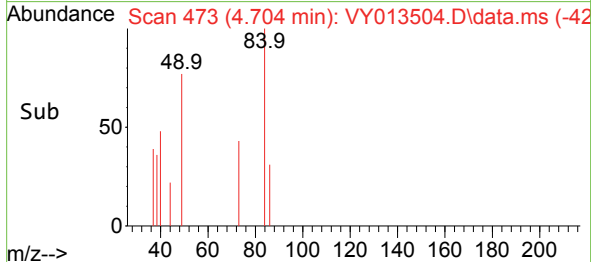
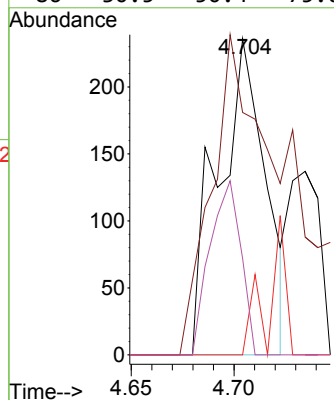
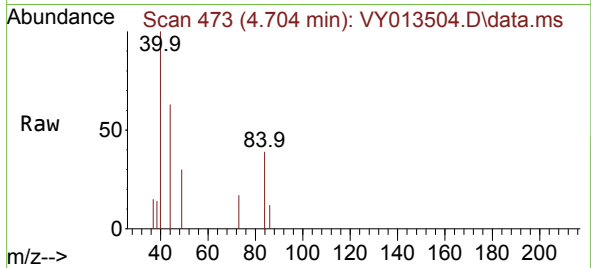




#20
Methylene Chloride
Concen: 8.354 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

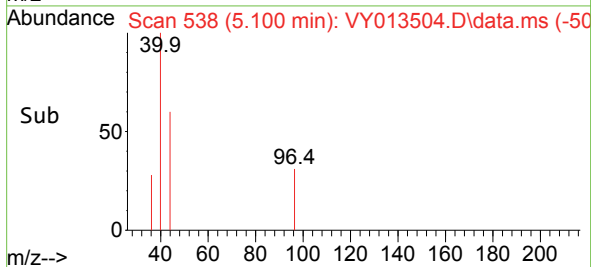
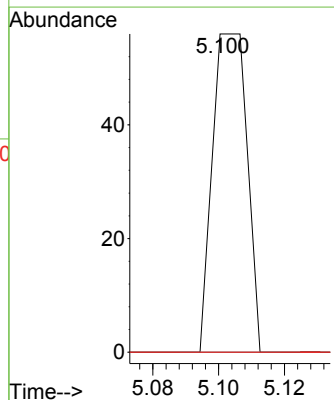
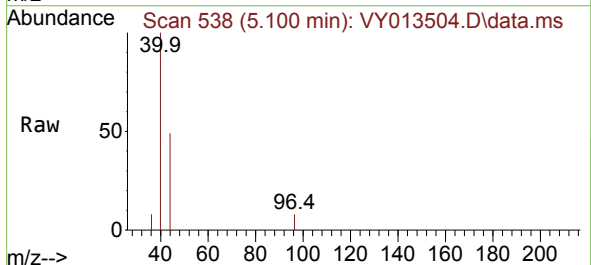
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

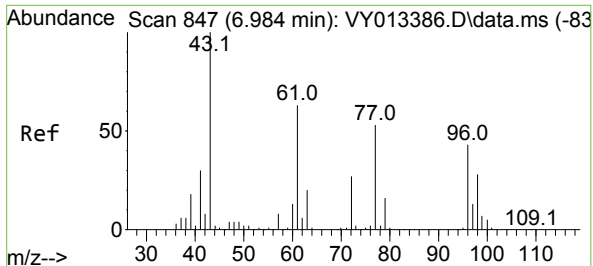
Tgt Ion: 84 Resp: 378
Ion Ratio Lower Upper
84 100
49 76.7 88.0 132.0#
51 0.0 27.4 41.0#
86 30.5 50.4 75.6#



#21
trans-1,2-Dichloroethene
Concen: 1.948 ug/l
RT: 5.100 min Scan# 538
Delta R.T. -0.116 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Tgt Ion: 96 Resp: 41
Ion Ratio Lower Upper
96 100
61 0.0 110.6 165.8#
98 0.0 53.1 79.7#





#25

2-Butanone

Concen: 2.268 ug/l

RT: 6.972 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

Instrument :

MSVOA_Y

ClientSampleId :

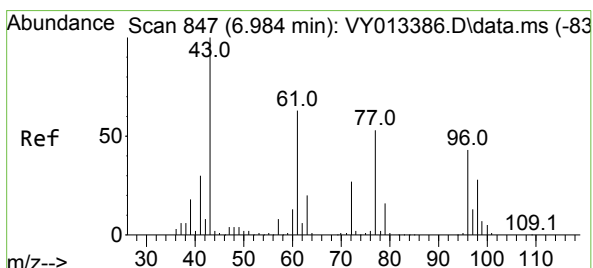
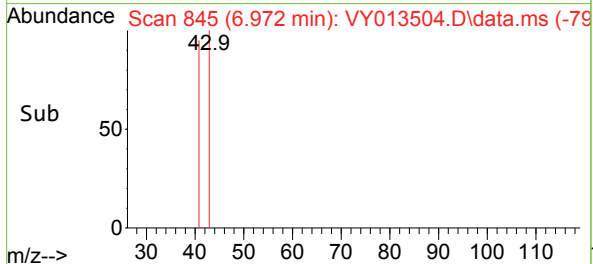
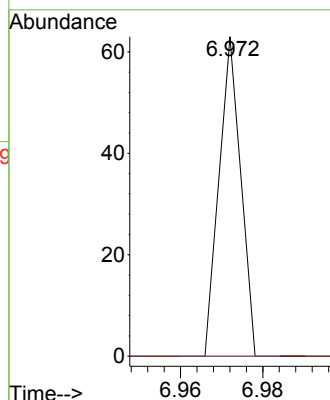
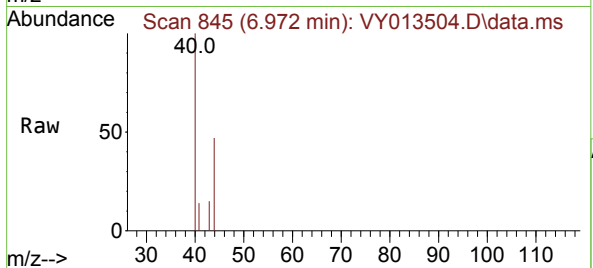
S2S-TP4RE

Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#27

cis-1,2-Dichloroethene

Concen: 1.247 ug/l

RT: 6.807 min Scan# 818

Delta R.T. -0.177 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

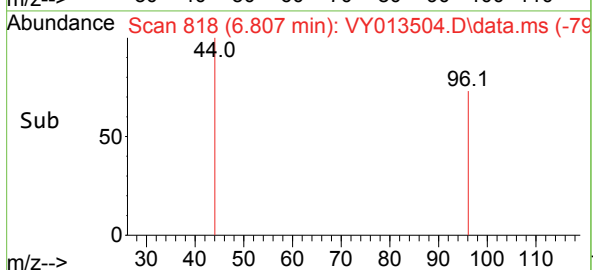
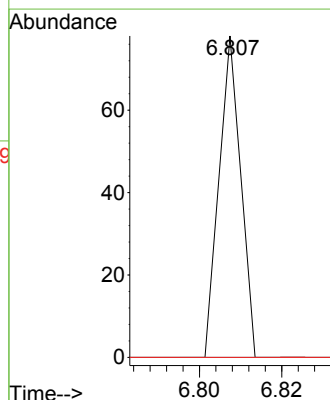
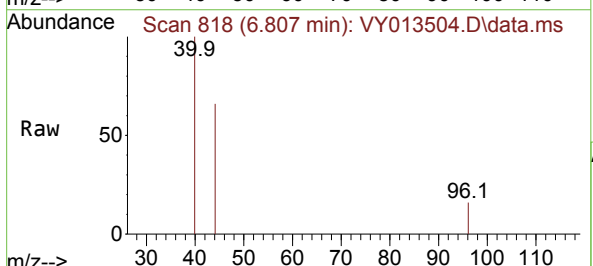
Tgt Ion: 96 Resp: 29

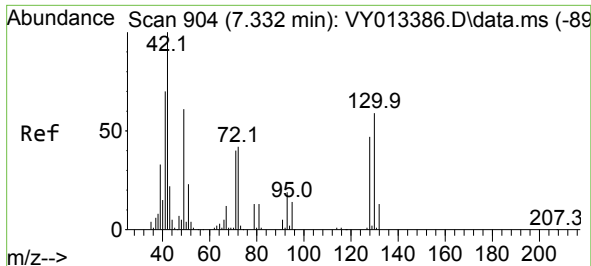
Ion Ratio Lower Upper

96 100

61 0.0 0.0 285.0

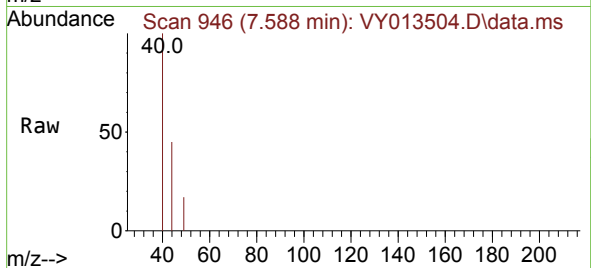
98 0.0 0.0 130.6



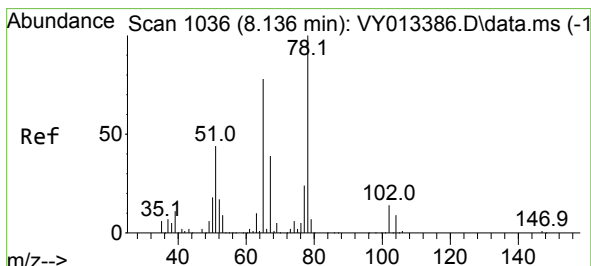
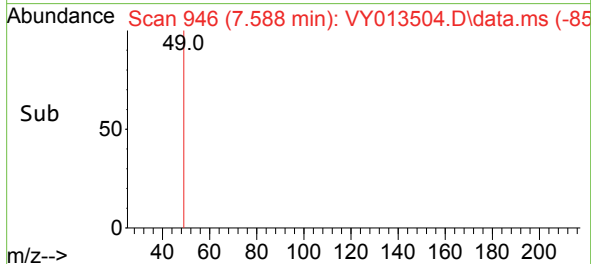
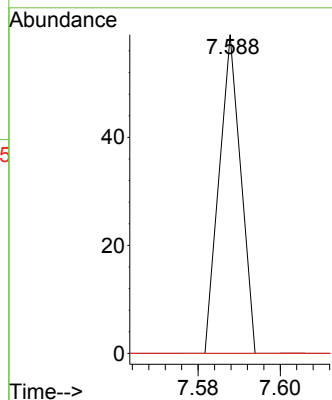


#28
Bromochloromethane
Concen: 1.594 ug/l
RT: 7.588 min Scan# 946
Delta R.T. 0.256 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

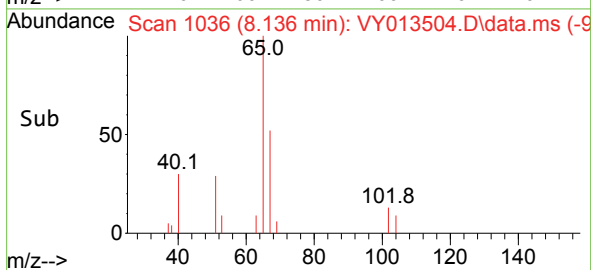
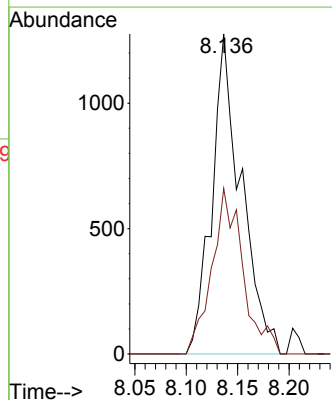
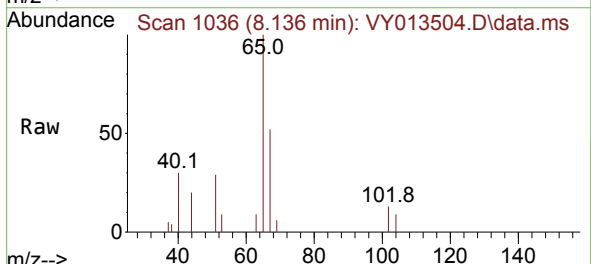


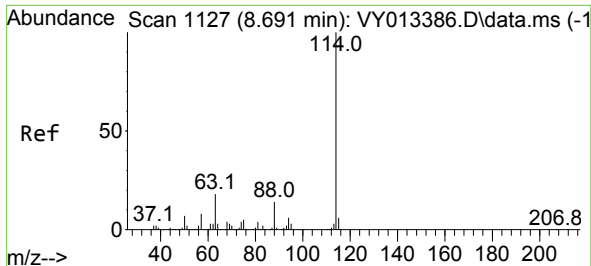
Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 124.717 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Tgt Ion: 65 Resp: 2532
Ion Ratio Lower Upper
65 100
67 54.7 0.0 103.4

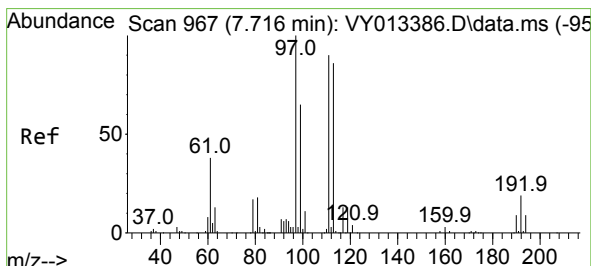
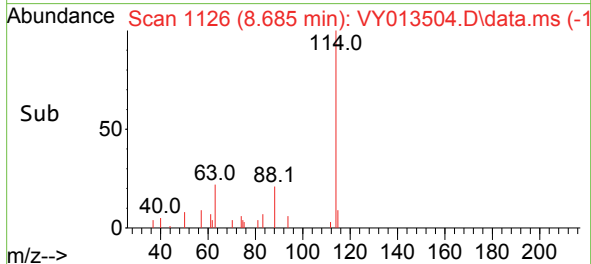
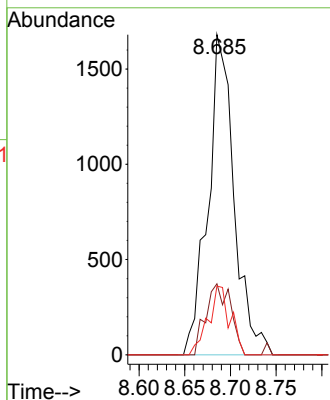
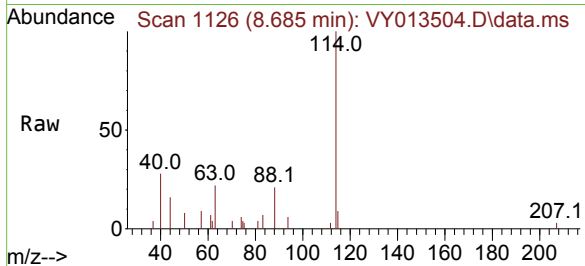




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

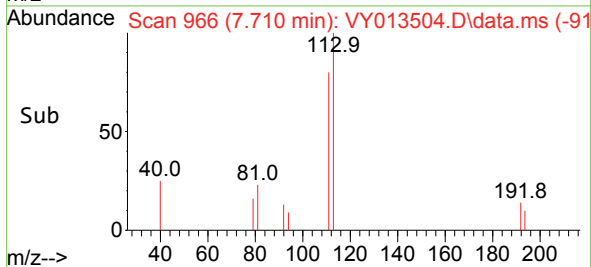
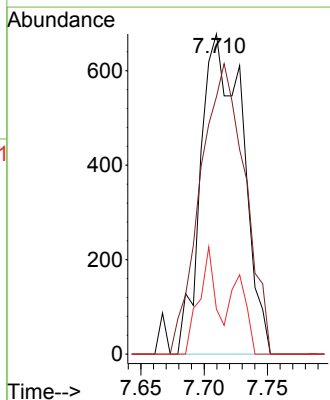
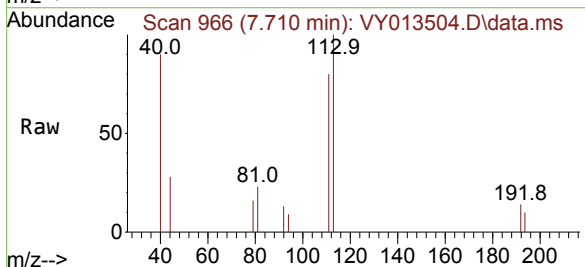
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

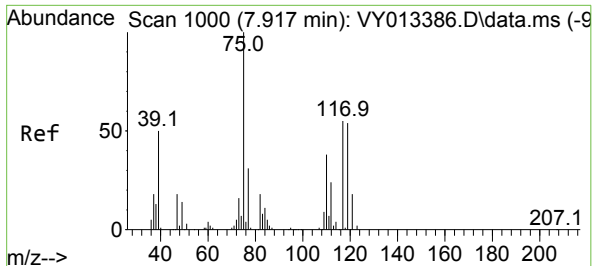
Tgt Ion:114	Resp:	3344	
Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	36.6
88	21.5	0.0	28.8



#35
Dibromofluoromethane
Concen: 73.982 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Tgt Ion:113	Resp:	1556	
Ion	Ratio	Lower	Upper
113	100		
111	97.0	82.2	123.2
192	14.0	16.7	25.1#





#36

1,1-Dichloropropene

Concen: 5.644 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP4RE

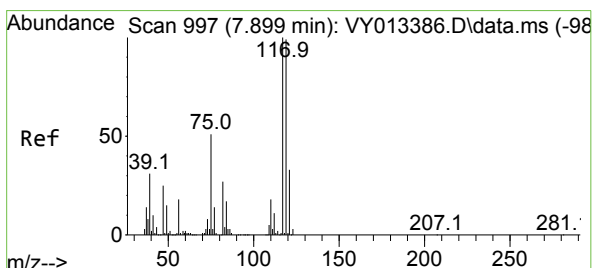
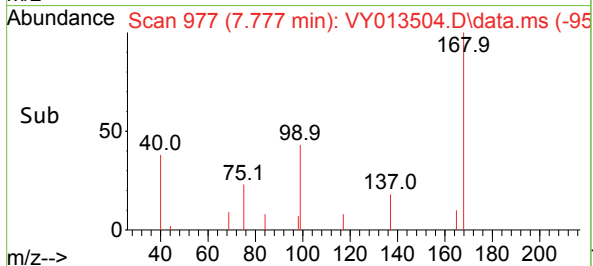
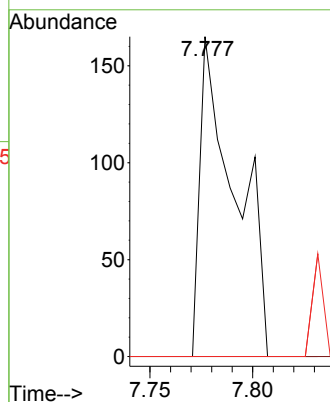
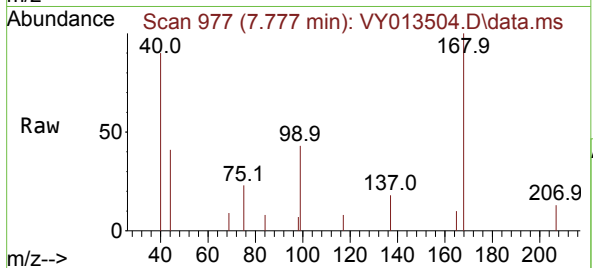
Tgt Ion: 75 Resp: 197

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

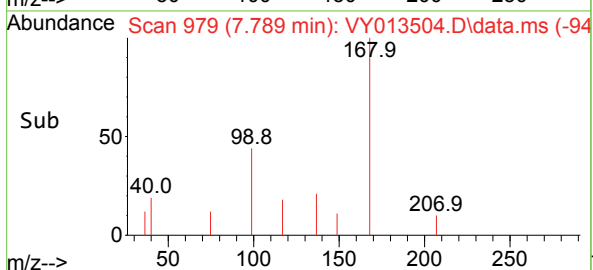
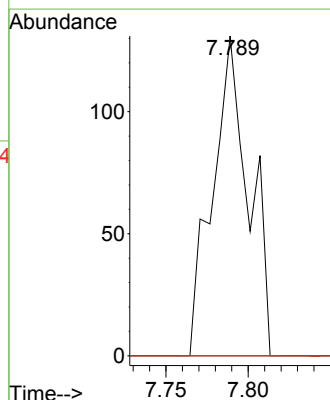
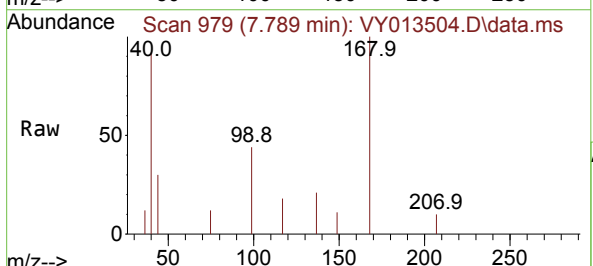
Tgt Ion: 117 Resp: 201

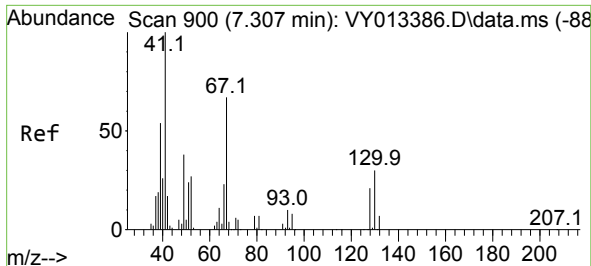
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 26.6 40.0#

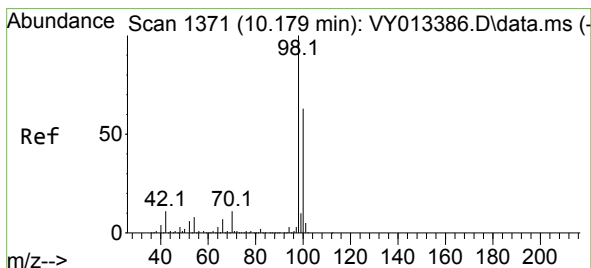
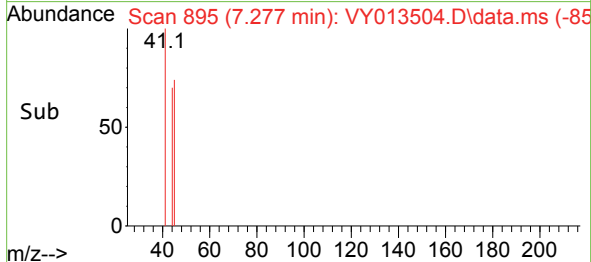
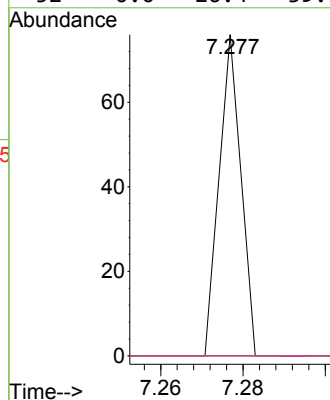
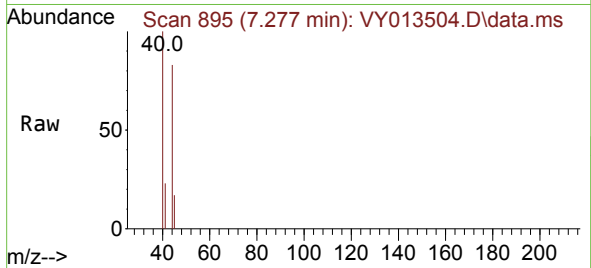




#41
Methacrylonitrile
Concen: 2.287 ug/l
RT: 7.277 min Scan# 895
Delta R.T. -0.030 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

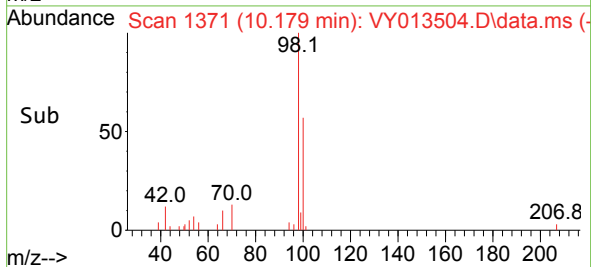
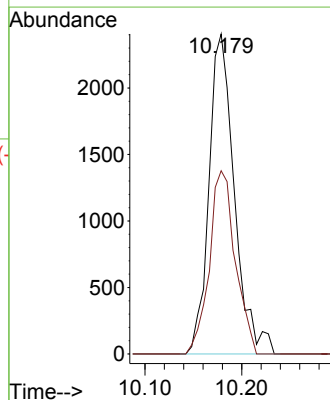
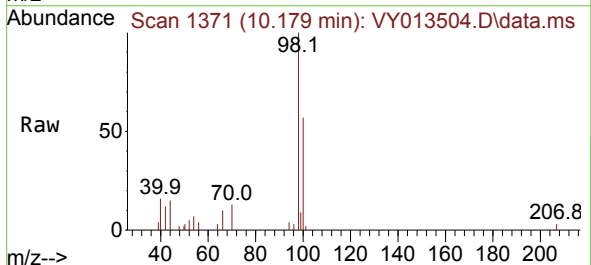
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

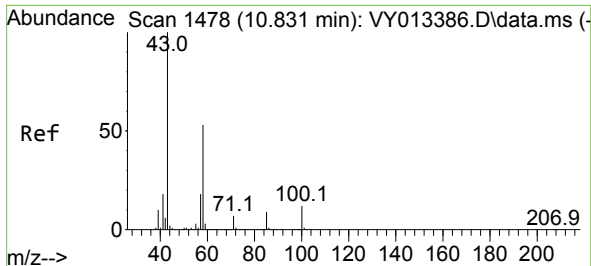
Tgt Ion:	41	Resp:	28
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.4#
67	0.0	62.9	94.3#
52	0.0	26.4	39.6#



#50
Toluene-d8
Concen: 58.727 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

Tgt Ion:	98	Resp:	4394
Ion	Ratio	Lower	Upper
98	100		
100	58.3	50.5	75.7





#59

2-Hexanone

Concen: 1.002 ug/l

RT: 10.935 min Scan# 1478

Delta R.T. 0.104 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

Instrument :

MSVOA_Y

ClientSampleId :

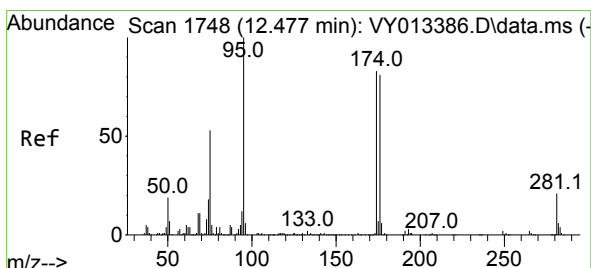
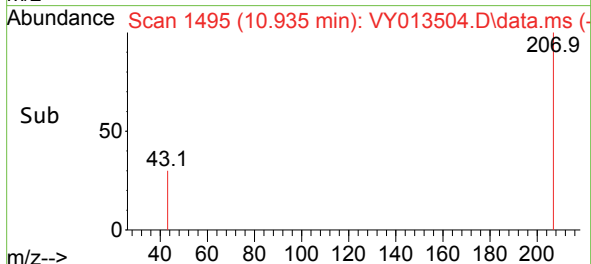
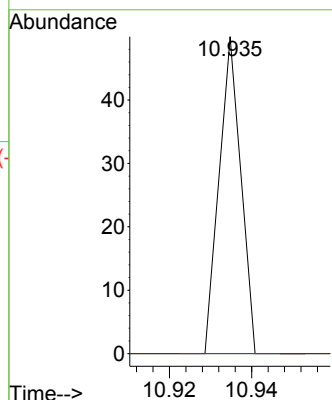
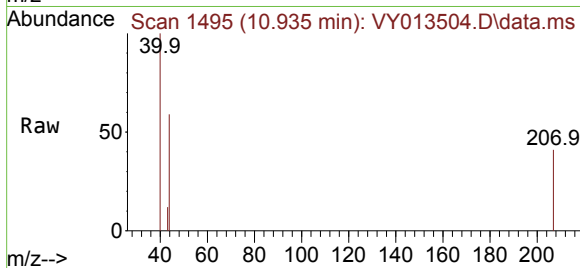
S2S-TP4RE

Tgt Ion: 43 Resp: 18

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.8#



#62

4-Bromofluorobenzene

Concen: 43.174 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

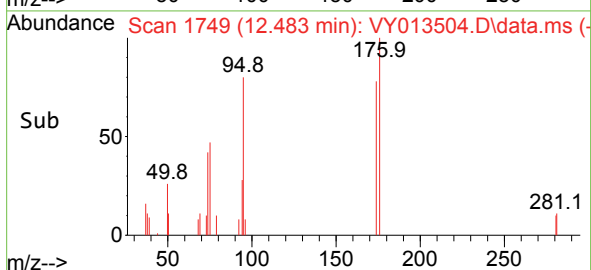
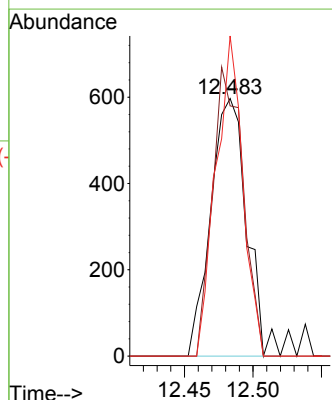
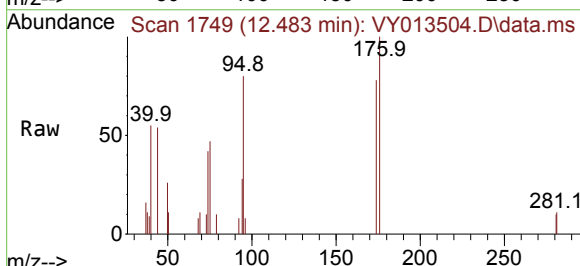
Tgt Ion: 95 Resp: 1089

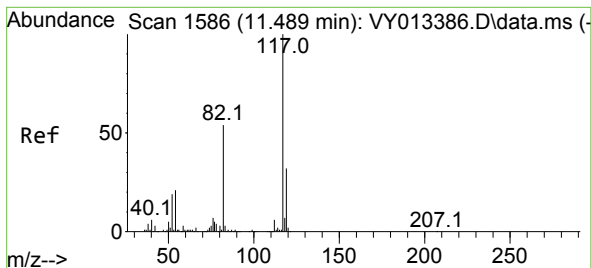
Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.0

176 93.0 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP4RE

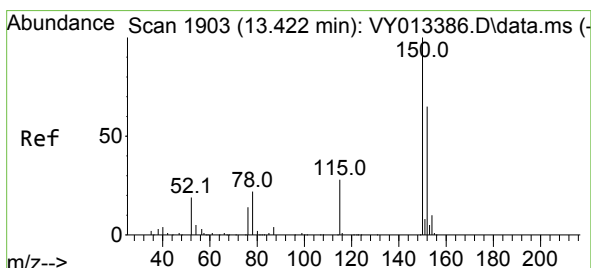
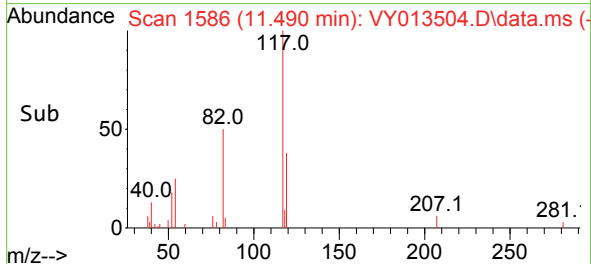
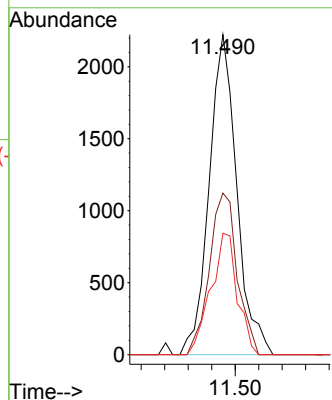
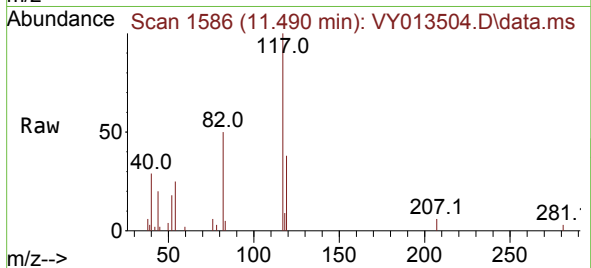
Tgt Ion:117 Resp: 3632

Ion Ratio Lower Upper

117 100

82 50.5 43.0 64.6

119 38.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013504.D

Acq: 27 Apr 2023 20:00

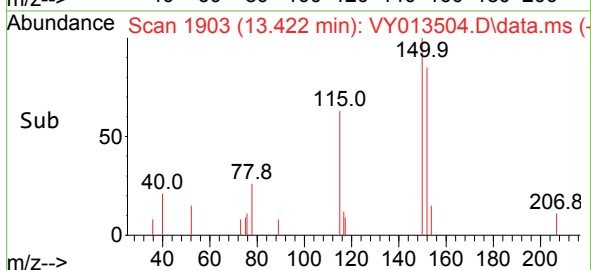
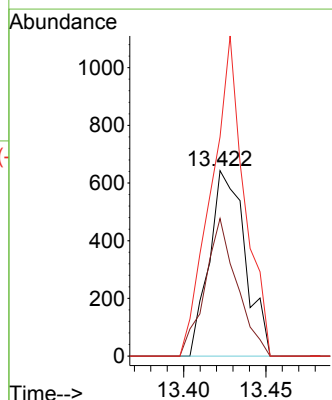
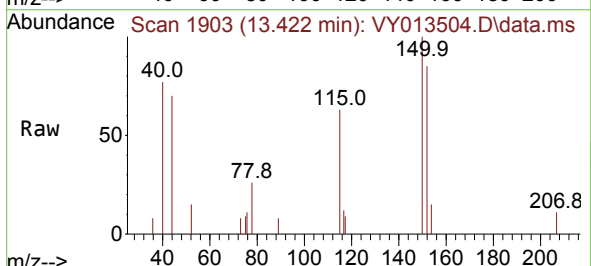
Tgt Ion:152 Resp: 969

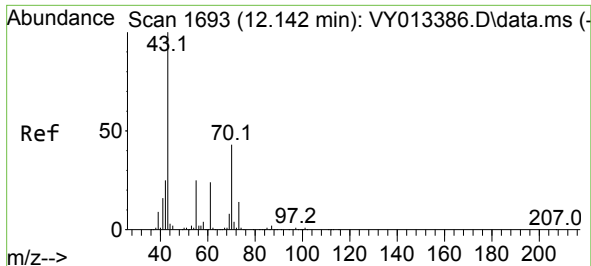
Ion Ratio Lower Upper

152 100

115 66.3 28.1 84.2

150 160.3 0.0 352.0

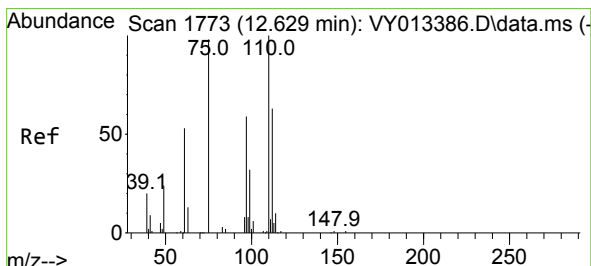
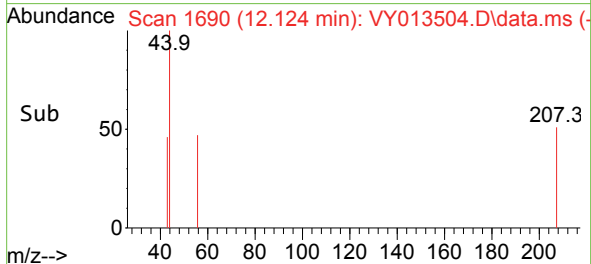
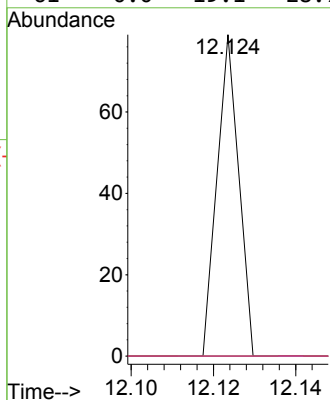
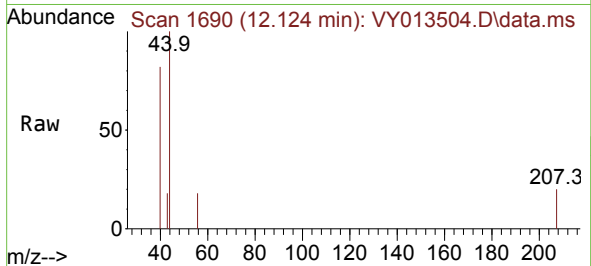




#74
N-amy1 acetate
Concen: 1.112 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

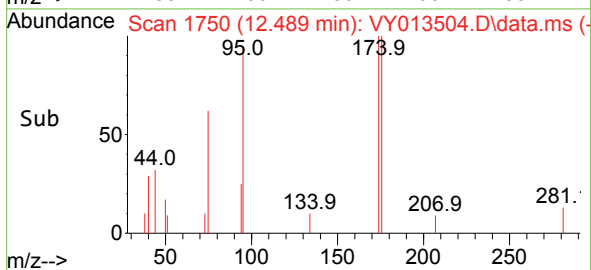
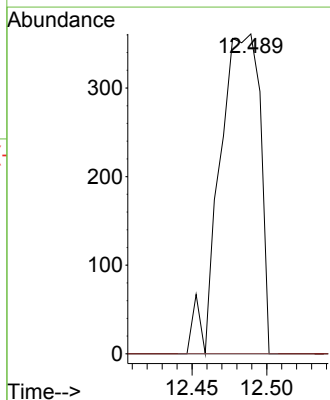
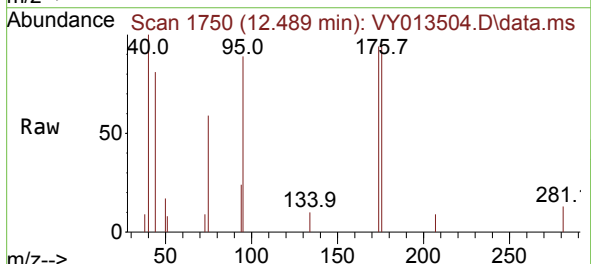
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP4RE

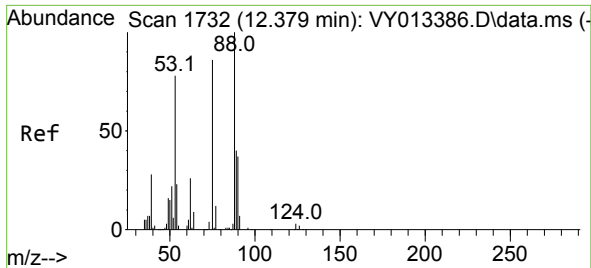
Tgt Ion: 43	Resp: 29
Ion Ratio	Lower Upper
43 100	
70 0.0	33.0 49.4#
55 0.0	19.8 29.6#
61 0.0	19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 51.805 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY013504.D
Acq: 27 Apr 2023 20:00

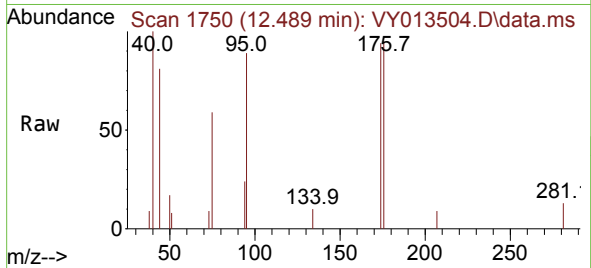
Tgt Ion: 75	Resp:	677	
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.971 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY013504.D
 Acq: 27 Apr 2023 20:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP4RE



Tgt Ion: 75 Resp: 677
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.0 38.0 57.0#

