

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062424\
 Data File : VY018675.D
 Acq On : 24 Jun 2024 15:15
 Operator : SY/MD
 Sample : P3021-10
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 25 01:09:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

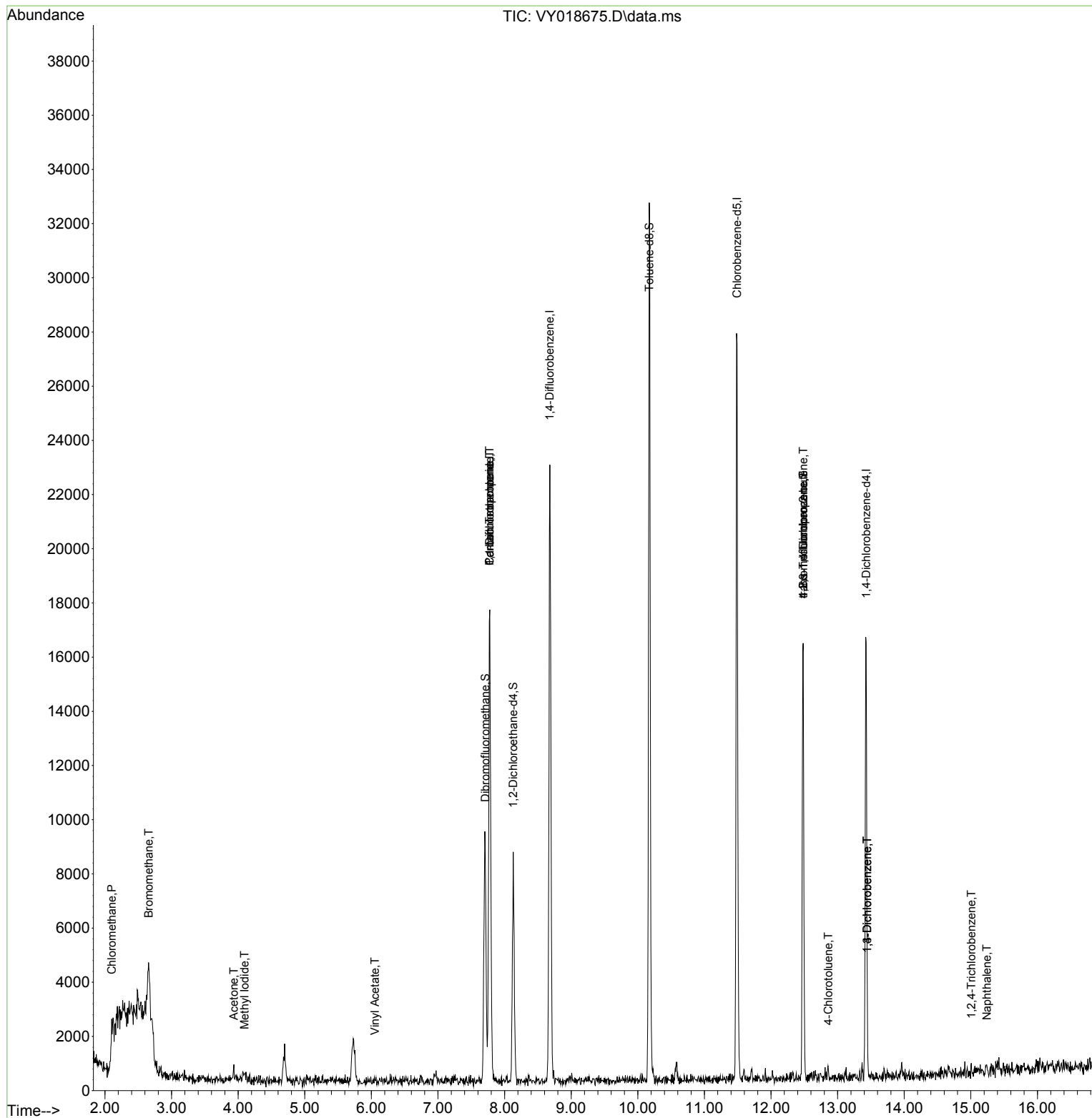
Internal Standards						
1) Pentafluorobenzene	7.777	168	13058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	20844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	16373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	5934	45.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.280%		
35) Dibromofluoromethane	7.710	113	6305	49.586	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.180%		
50) Toluene-d8	10.173	98	21983	44.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.920%		
62) 4-Bromofluorobenzene	12.483	95	4789	31.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	62.040%		
Target Compounds						Qvalue
3) Chloromethane	2.101	50	248	1.400	ug/l #	43
5) Bromomethane	2.656	94	1148	7.041	ug/l	97
10) Methyl Iodide	4.094	142	522	4.143	ug/l #	48
16) Acetone	3.936	43	461	17.235	ug/l #	36
20) Methylene Chloride	4.698	84	767	Below Cal	#	67
23) Vinyl Acetate	6.051	43	29	23.764	ug/l #	67
36) 1,1-Dichloropropene	7.777	75	995	5.685	ug/l #	44
38) Carbon Tetrachloride	7.777	117	1556	8.474	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	2351	55.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2351	144.792	ug/l #	16
82) 4-Chlorotoluene	12.861	91	251	1.140	ug/l #	63
87) 1,3-Dichlorobenzene	13.446	146	449	2.907	ug/l	79
88) 1,4-Dichlorobenzene	13.446	146	449	2.963	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	88	1.197	ug/l	66
95) Naphthalene	15.239	128	412	3.000	ug/l #	69

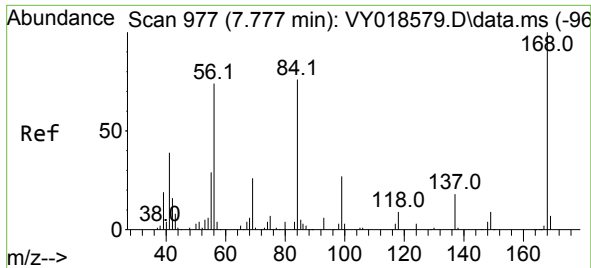
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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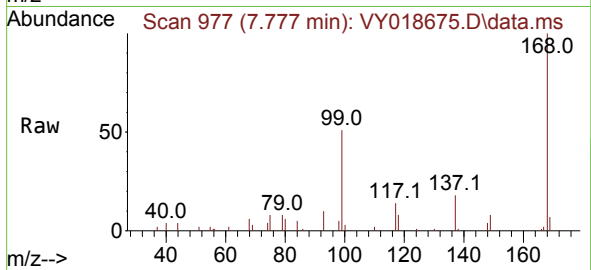
Quant Time: Jun 25 01:09:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
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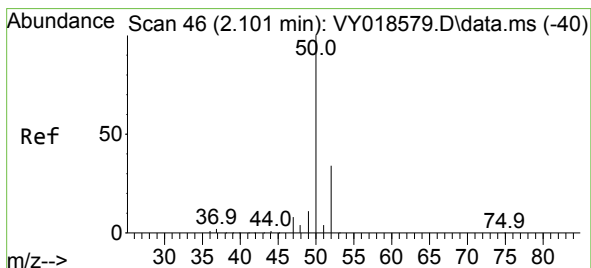
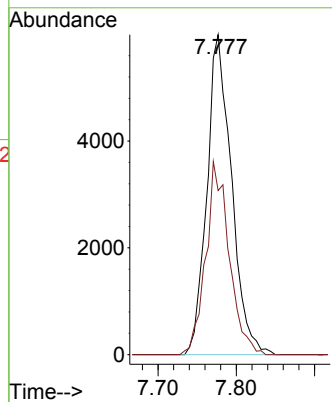
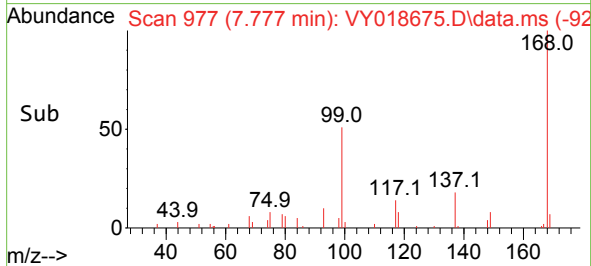


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

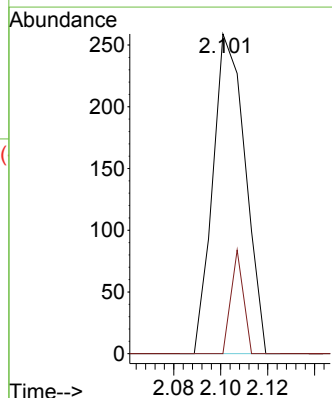
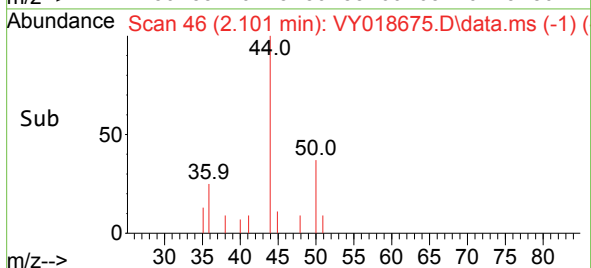
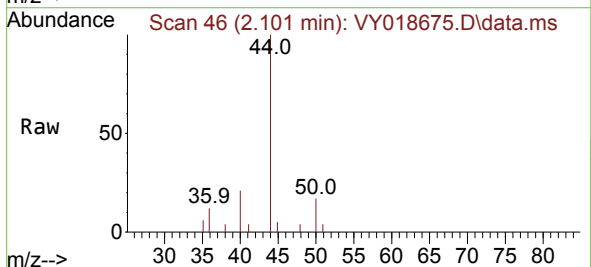


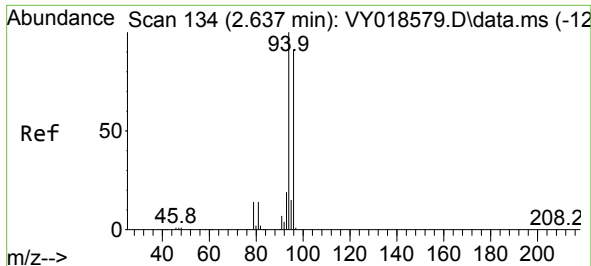
Tgt Ion:168 Resp: 13058
Ion Ratio Lower Upper
168 100
99 51.3 39.1 58.7



#3
Chloromethane
Concen: 1.400 ug/l
RT: 2.101 min Scan# 46
Delta R.T. 0.000 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

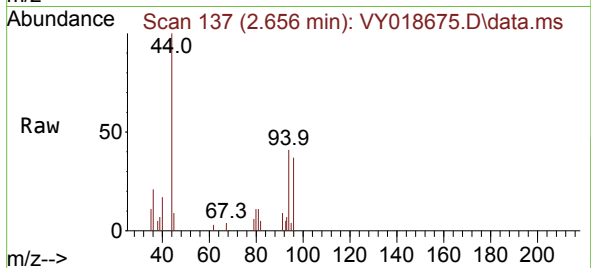
Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



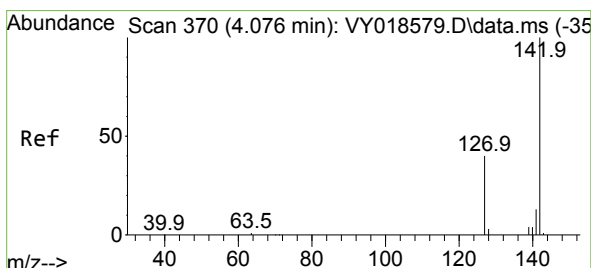
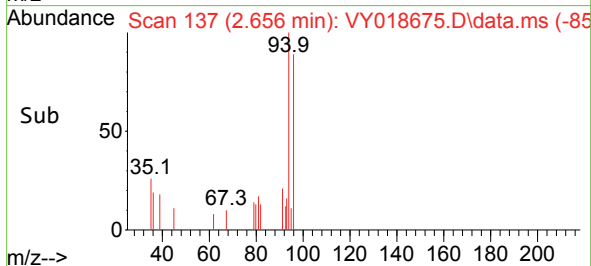
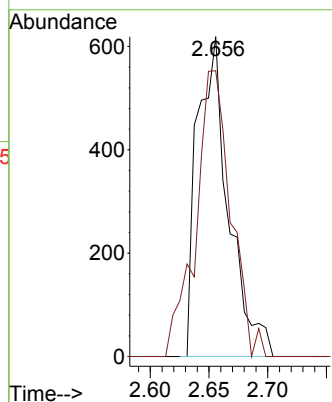


#5
Bromomethane
Concen: 7.041 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

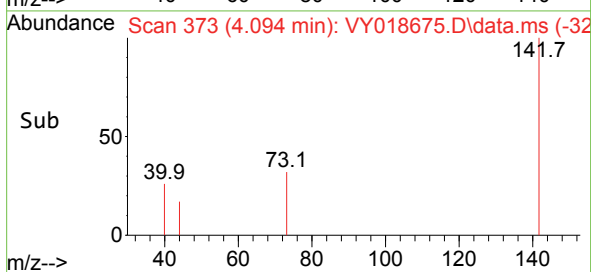
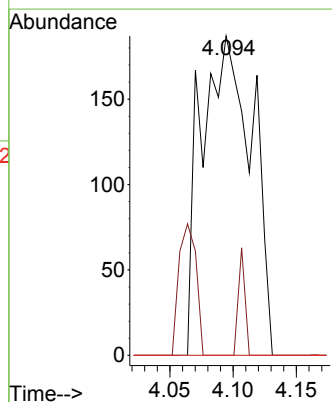
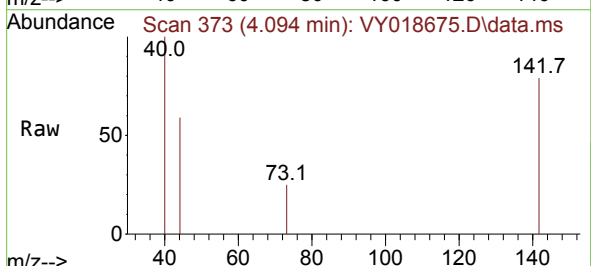


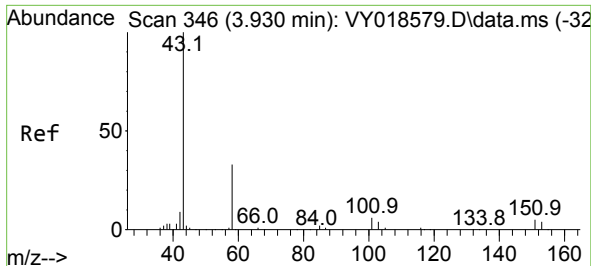
Tgt Ion: 94 Resp: 1148
Ion Ratio Lower Upper
94 100
96 89.3 74.1 111.1



#10
Methyl Iodide
Concen: 4.143 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

Tgt Ion:142 Resp: 522
Ion Ratio Lower Upper
142 100
127 4.4 32.8 49.2#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 17.235 ug/l

RT: 3.936 min Scan# 346

Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Instrument :

MSVOA_Y

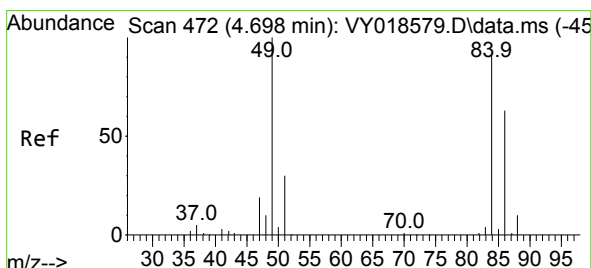
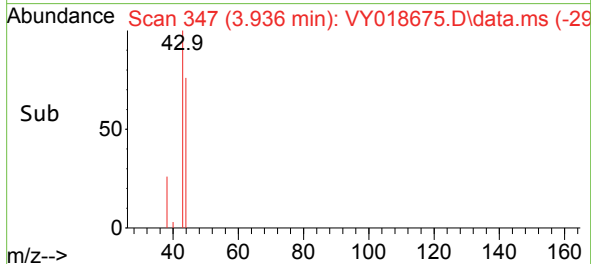
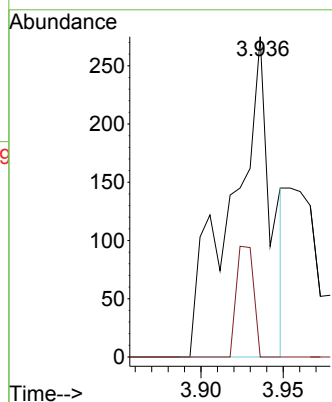
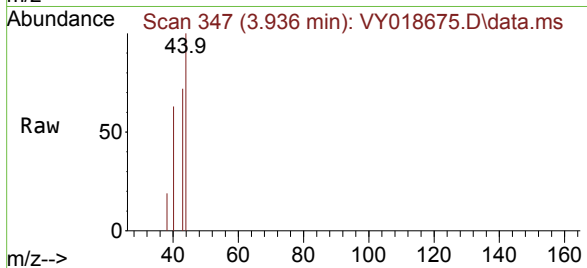
ClientSampleId :

Tgt Ion: 43 Resp: 461

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Tgt Ion: 84 Resp: 767

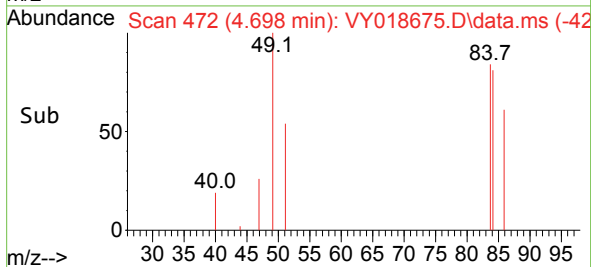
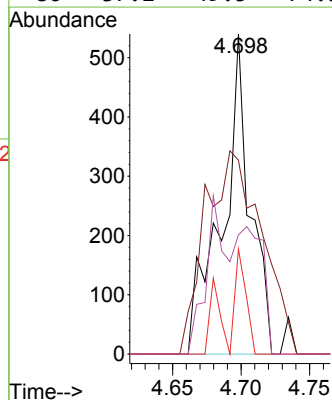
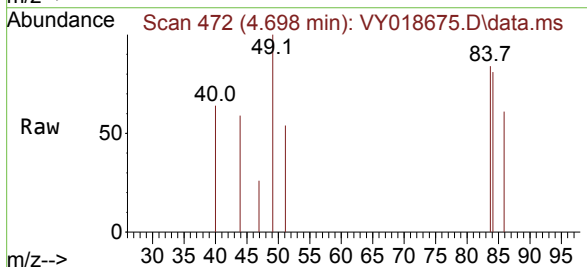
Ion Ratio Lower Upper

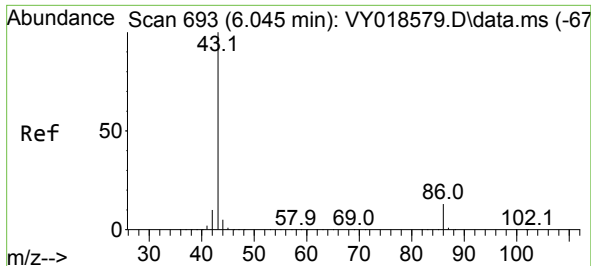
84 100

49 60.6 84.4 126.6#

51 32.8 26.0 39.0

86 37.2 49.5 74.3#

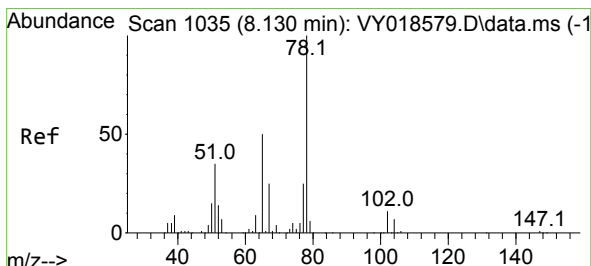
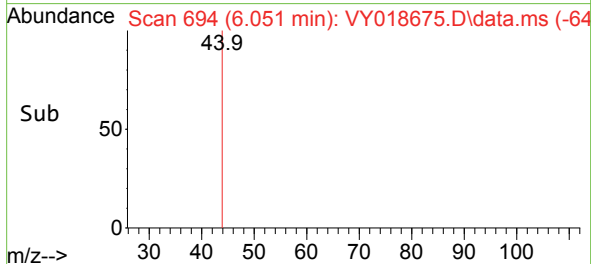
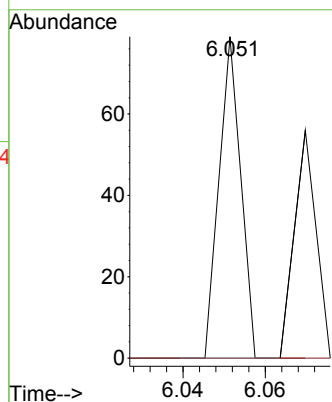
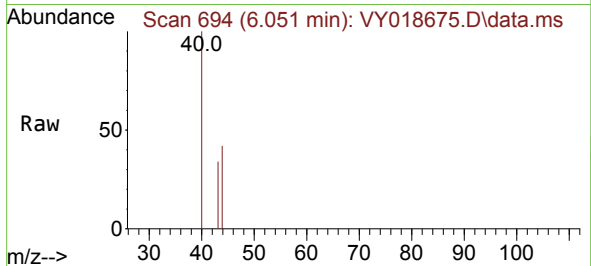




#23
 Vinyl Acetate
 Concen: 23.764 ug/l
 RT: 6.051 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VY018675.D
 Acq: 24 Jun 2024 15:15

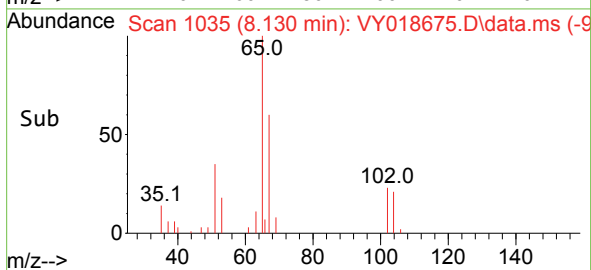
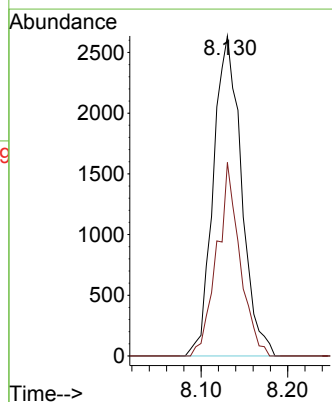
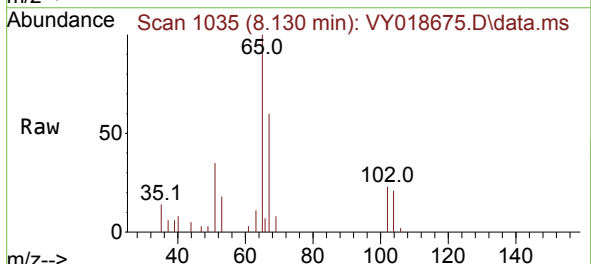
Instrument :
 MSVOA_Y
 ClientSampleId :

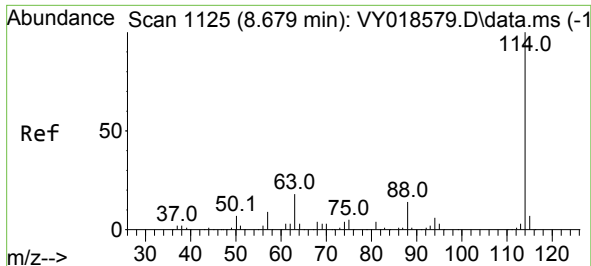
Tgt Ion: 43 Resp: 29
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.6 16.0#



#33
 1,2-Dichloroethane-d4
 Concen: 45.137 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VY018675.D
 Acq: 24 Jun 2024 15:15

Tgt Ion: 65 Resp: 5934
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VY018675.D

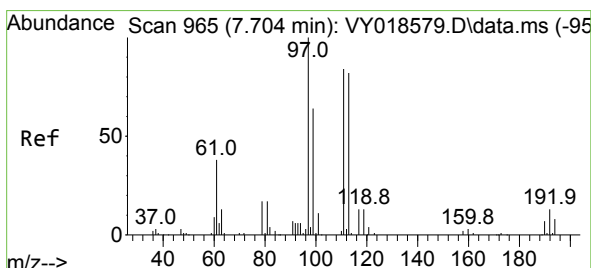
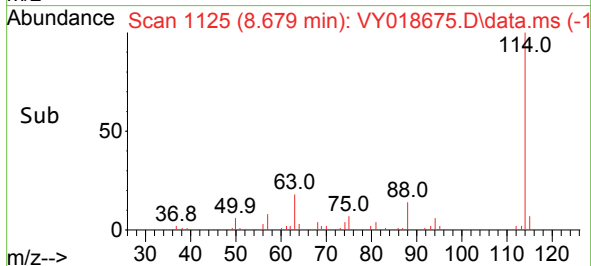
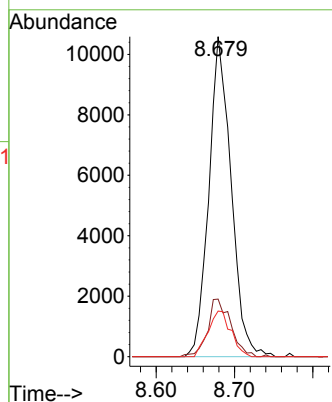
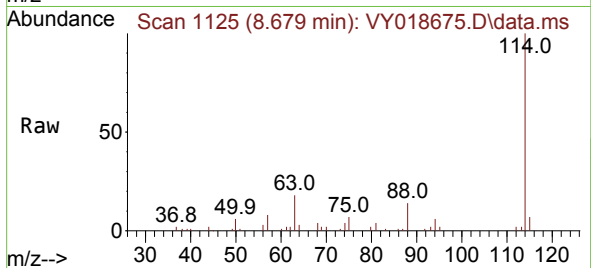
Acq: 24 Jun 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	20844
Ion Ratio	Lower	Upper
114	100	
63	18.0	0.0 35.0
88	14.3	0.0 27.2



#35

Dibromofluoromethane

Concen: 49.586 ug/l

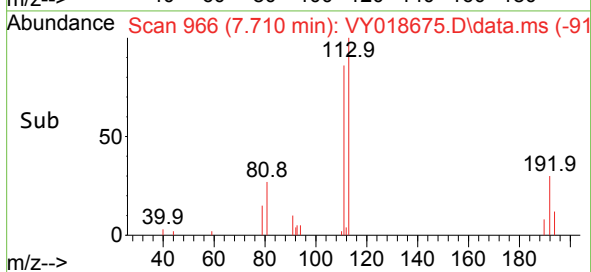
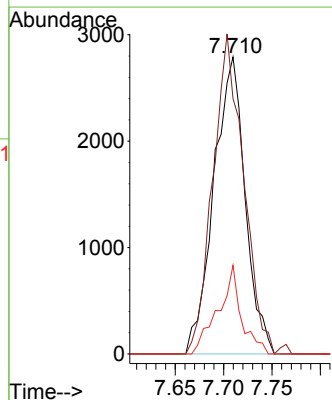
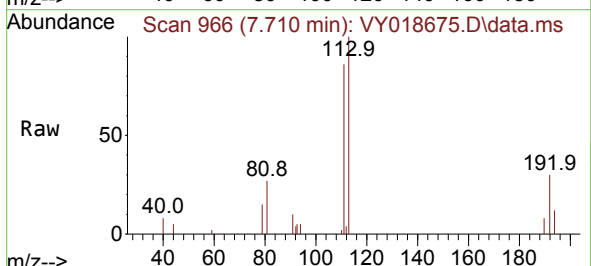
RT: 7.710 min Scan# 966

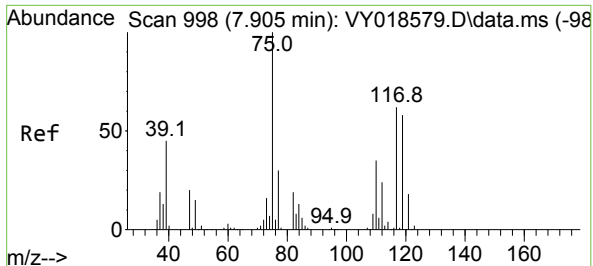
Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Tgt Ion:113	Resp:	6305
Ion Ratio	Lower	Upper
113	100	
111	105.2	82.2 123.4
192	22.1	15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.685 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

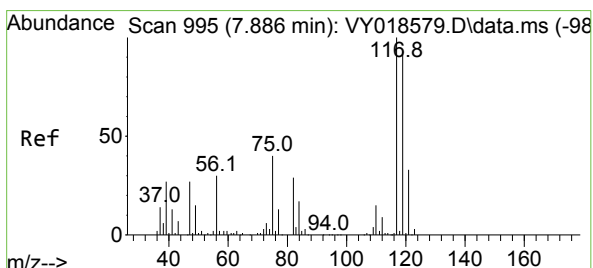
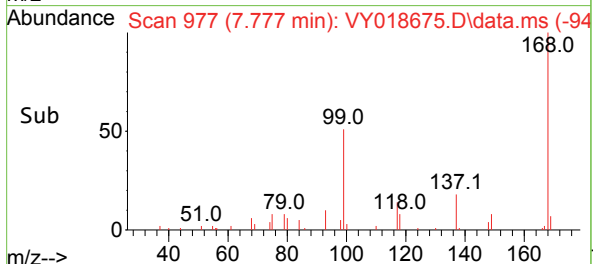
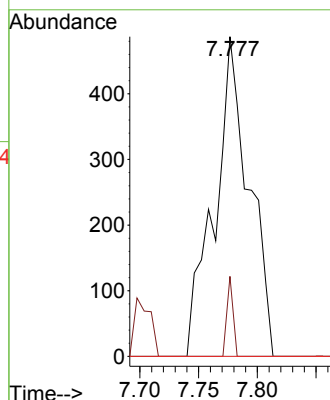
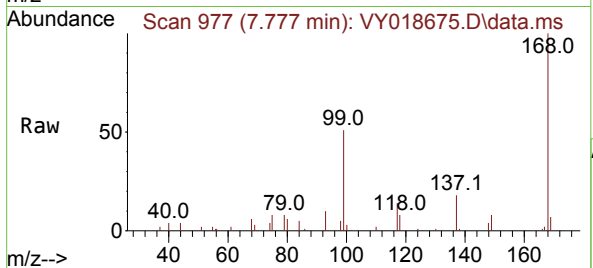
Tgt Ion: 75 Resp: 995

Ion Ratio Lower Upper

75 100

110 4.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 8.474 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.110 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

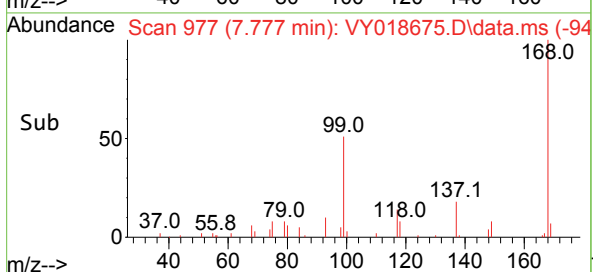
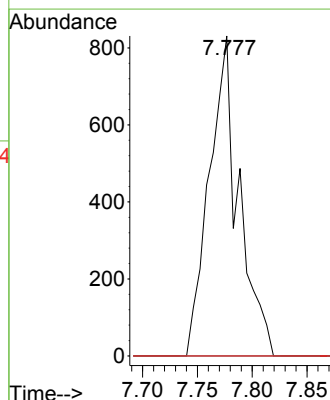
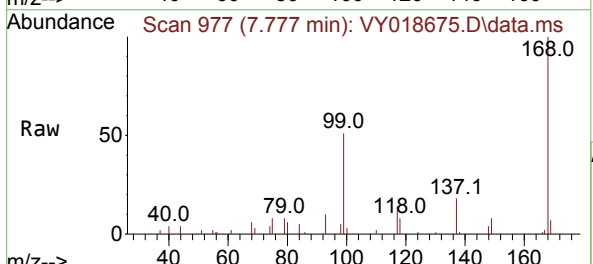
Tgt Ion: 117 Resp: 1556

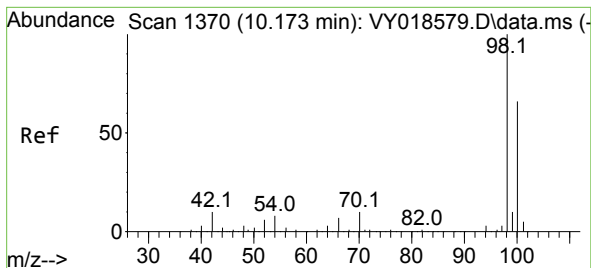
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 44.957 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Instrument :

MSVOA_Y

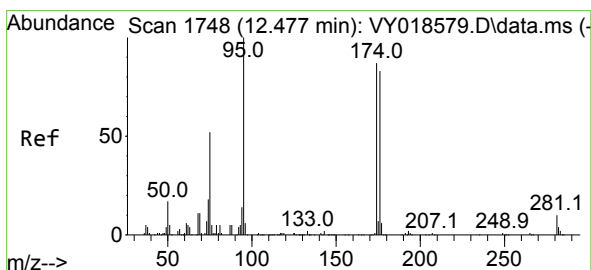
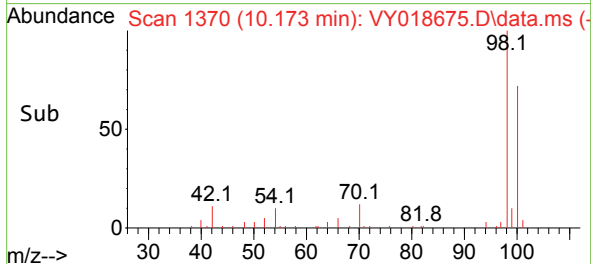
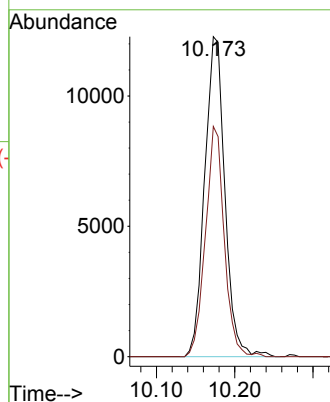
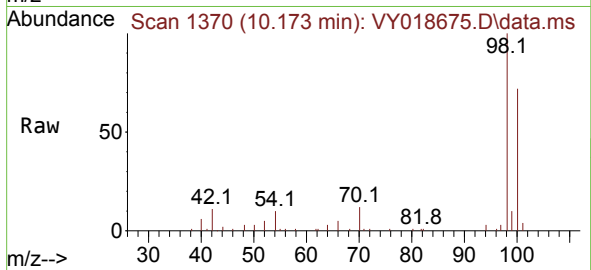
ClientSampleId :

Tgt Ion: 98 Resp: 21983

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 31.015 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

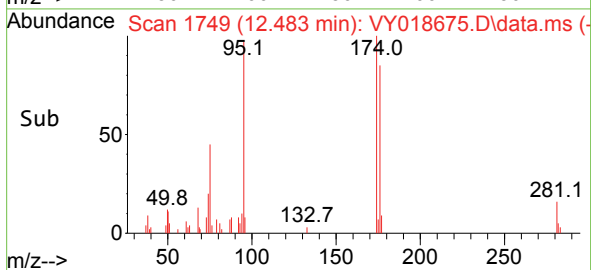
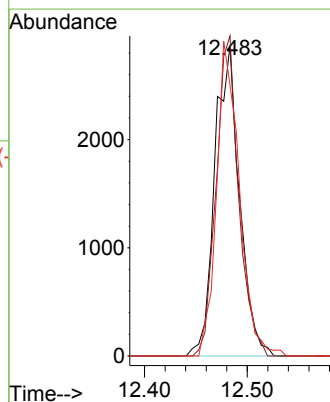
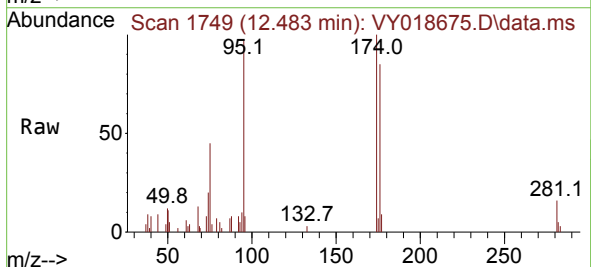
Tgt Ion: 95 Resp: 4789

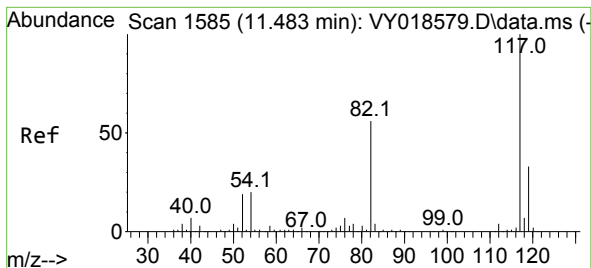
Ion Ratio Lower Upper

95 100

174 93.9 0.0 175.6

176 93.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

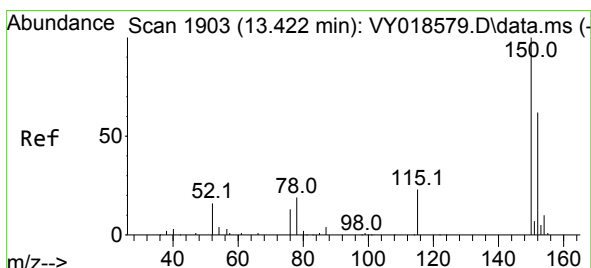
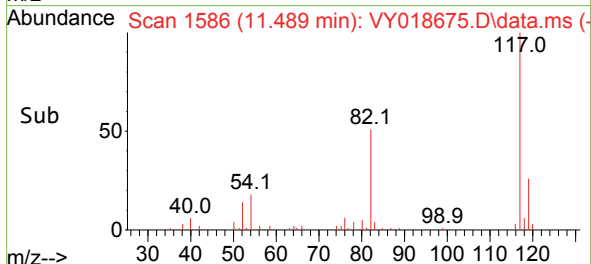
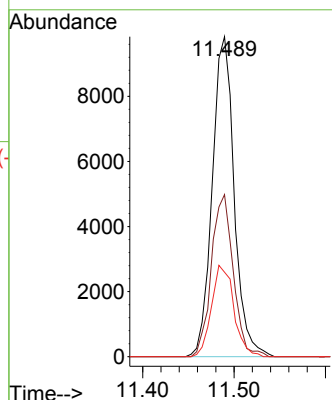
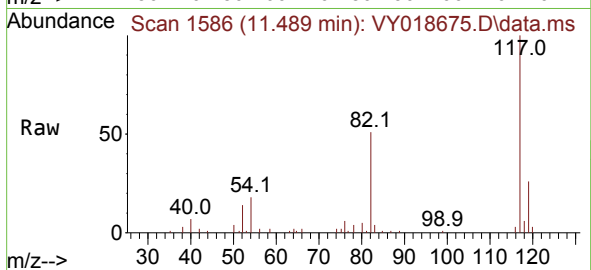
Tgt Ion:117 Resp: 16373

Ion Ratio Lower Upper

117 100

82 50.6 42.4 63.6

119 26.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

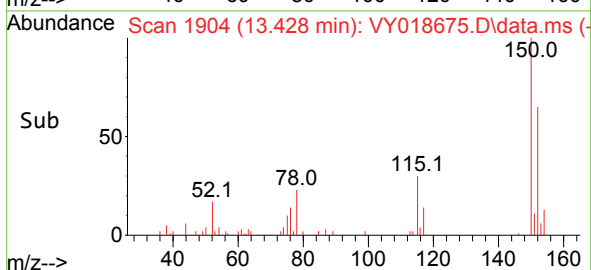
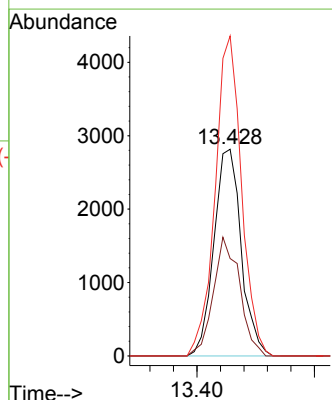
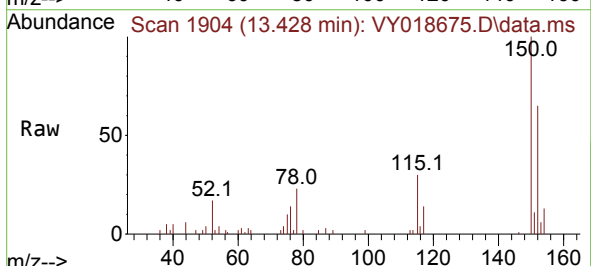
Tgt Ion:152 Resp: 4534

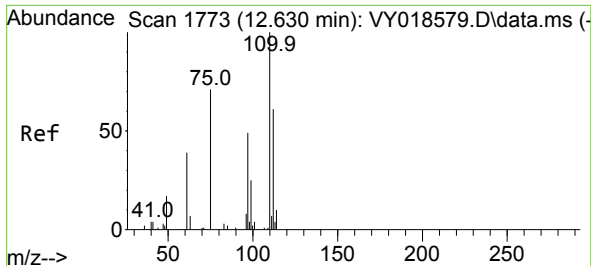
Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

150 149.8 0.0 345.6

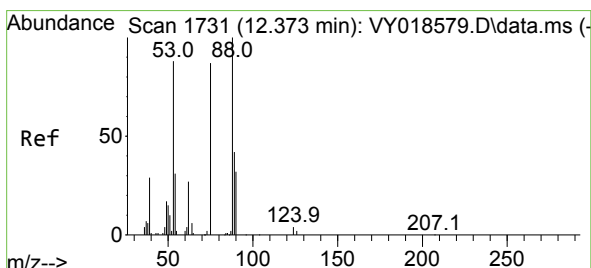
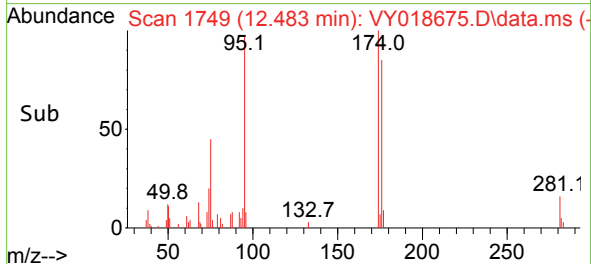
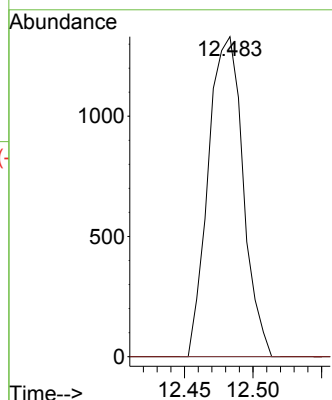
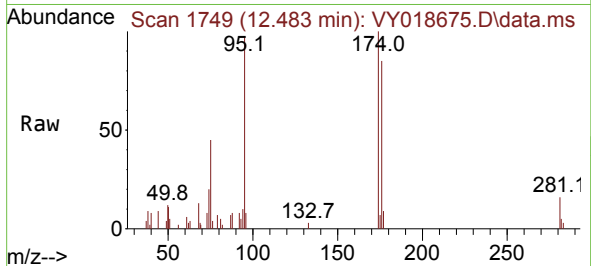




#76
1,2,3-Trichloropropane
Concen: 55.278 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

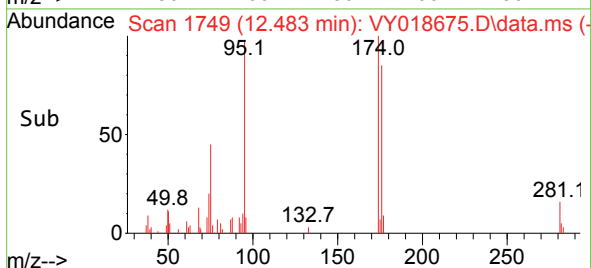
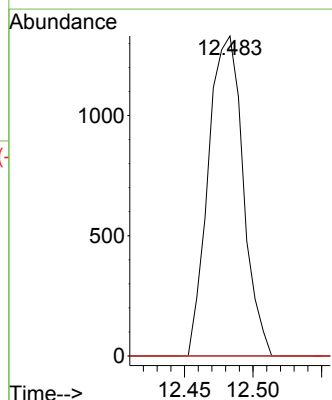
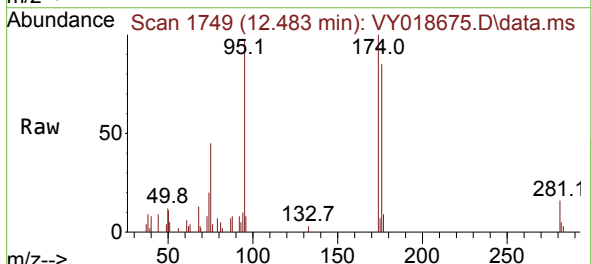
Instrument :
MSVOA_Y
ClientSampleId :

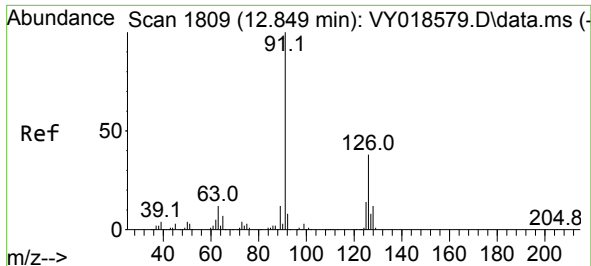
Tgt Ion: 75 Resp: 2351
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 144.792 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

Tgt Ion: 75 Resp: 2351
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

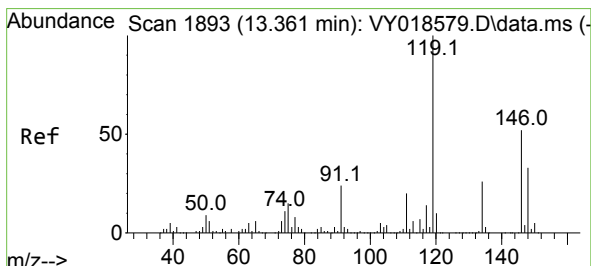
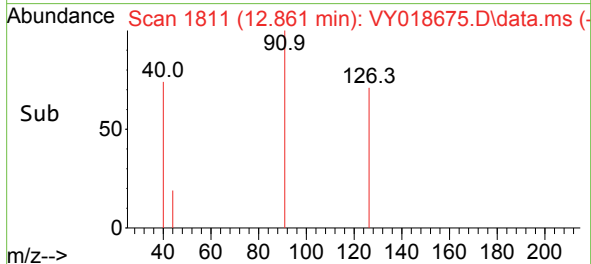
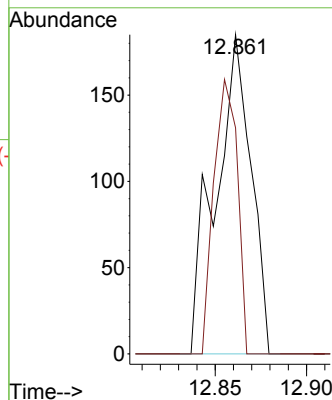
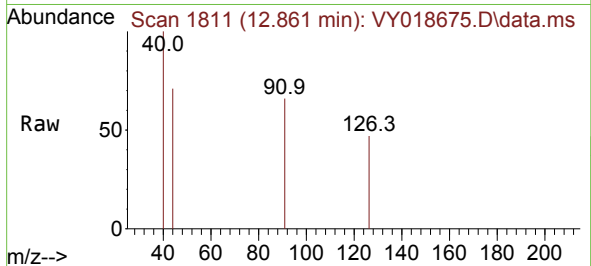




#82
4-Chlorotoluene
Concen: 1.140 ug/l
RT: 12.861 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

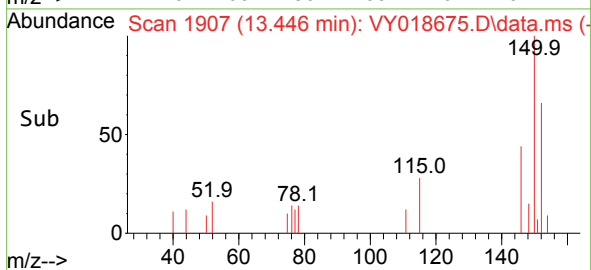
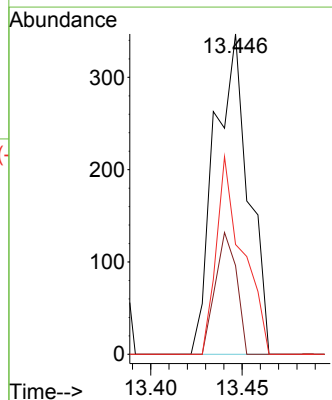
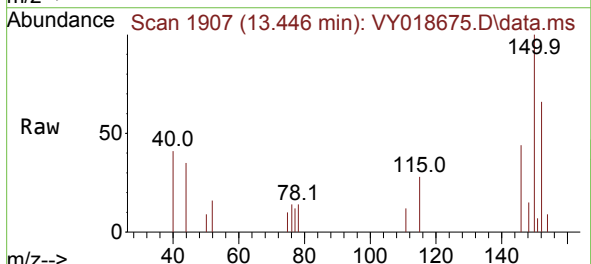
Instrument :
MSVOA_Y
ClientSampleId :

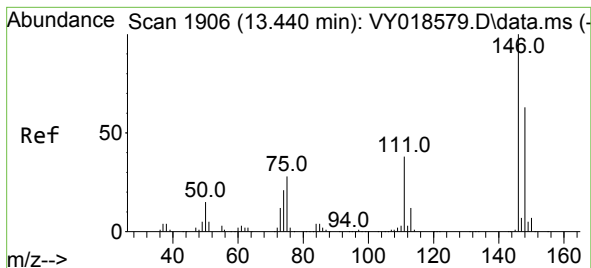
Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
126 56.6 17.6 52.9#



#87
1,3-Dichlorobenzene
Concen: 2.907 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.085 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

Tgt Ion:146 Resp: 449
Ion Ratio Lower Upper
146 100
111 23.8 19.0 57.0
148 47.9 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 2.963 ug/l

RT: 13.446 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

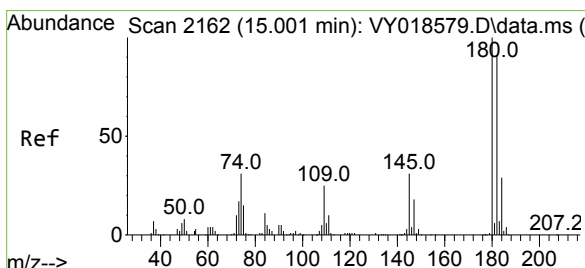
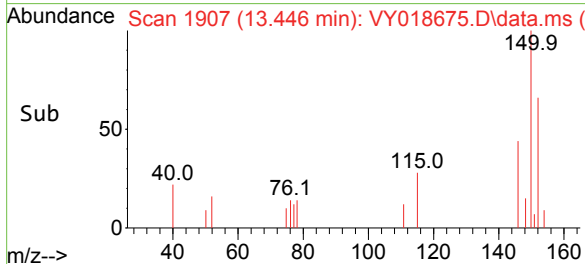
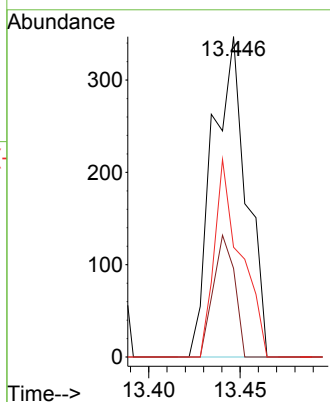
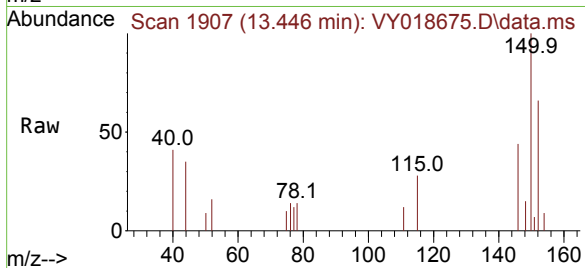
Tgt Ion:146 Resp: 449

Ion Ratio Lower Upper

146 100

111 23.8 18.4 55.4

148 47.9 32.4 97.2



#93

1,2,4-Trichlorobenzene

Concen: 1.197 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY018675.D

Acq: 24 Jun 2024 15:15

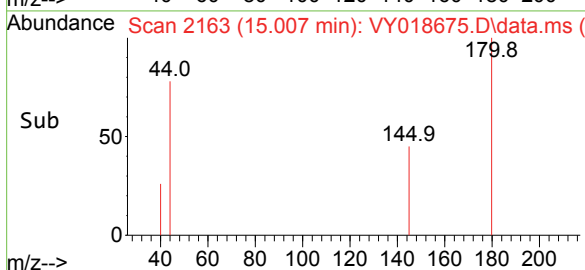
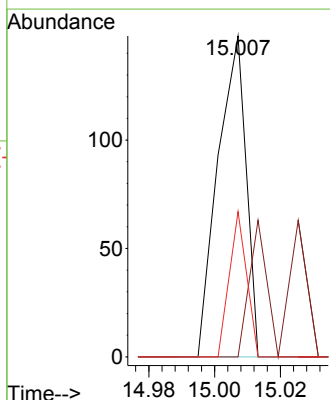
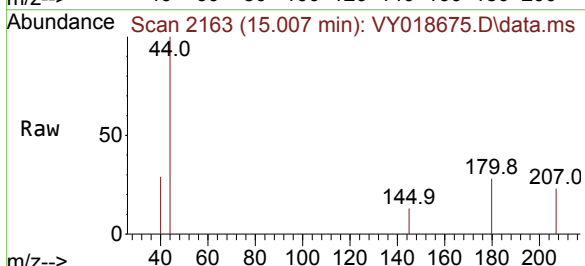
Tgt Ion:180 Resp: 88

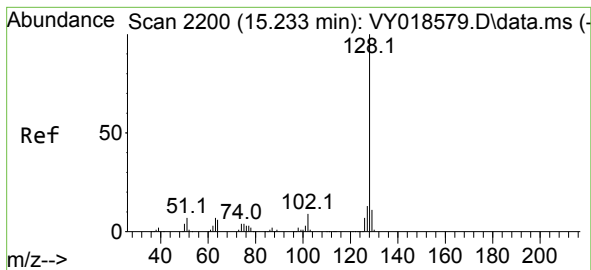
Ion Ratio Lower Upper

180 100

182 52.3 47.9 143.8

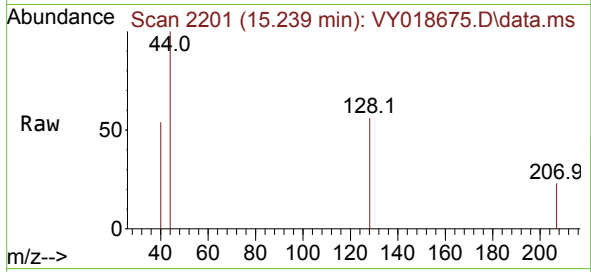
145 28.4 14.2 42.6





#95
Naphthalene
Concen: 3.000 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY018675.D
Acq: 24 Jun 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	412
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

