

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012484.D
 Acq On : 03 Feb 2023 17:57
 Operator : KP/MD
 Sample : 01418-13RE
 Misc : 7.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:13:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

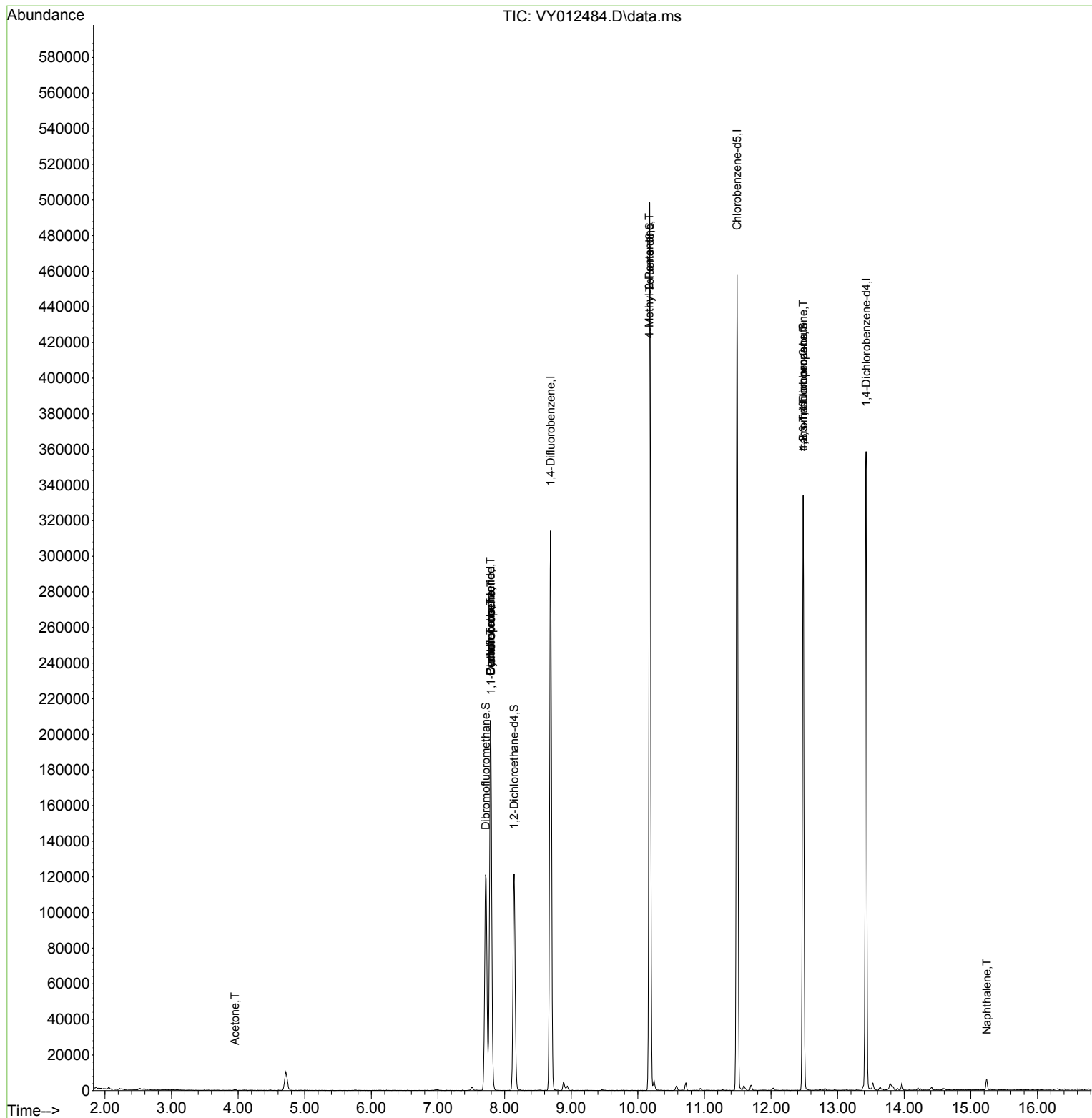
Internal Standards						
1) Pentafluorobenzene	7.789	168	166660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	256606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97697	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	101997	75.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.740%	
35) Dibromofluoromethane	7.715	113	84471	57.166	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.340%	
50) Toluene-d8	10.178	98	333267	66.526	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.060%	
62) 4-Bromofluorobenzene	12.483	95	95395	45.796	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.935	59	78	Below Cal	#	74
16) Acetone	3.954	43	701	1.511	ug/l #	40
20) Methylene Chloride	4.716	84	8302	Below Cal		91
31) Cyclohexane	7.789	56	2951	1.214	ug/l #	22
36) 1,1-Dichloropropene	7.795	75	10841	4.317	ug/l #	51
38) Carbon Tetrachloride	7.789	117	16007	4.935	ug/l #	17
51) 4-Methyl-2-Pentanone	10.172	43	1228	1.118	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	50544	56.263	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	50544	115.926	ug/l #	13
95) Naphthalene	15.238	128	5690	1.496	ug/l	98

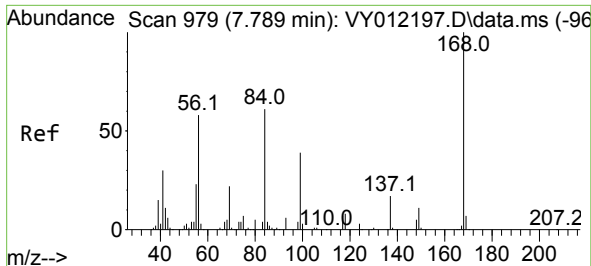
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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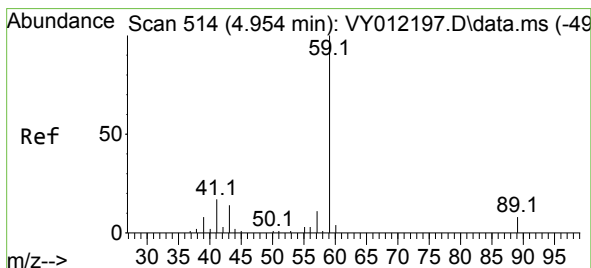
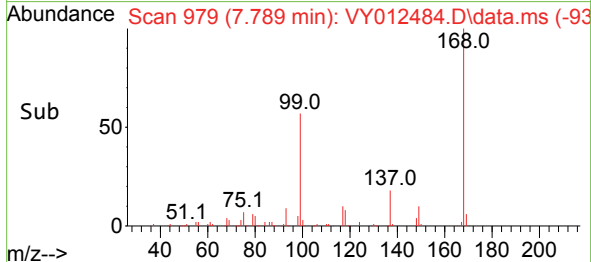
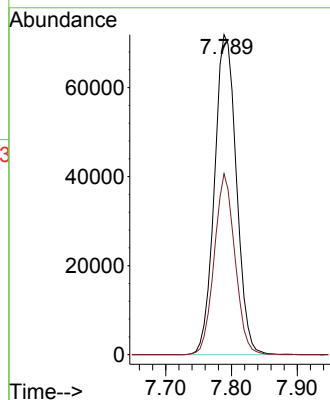
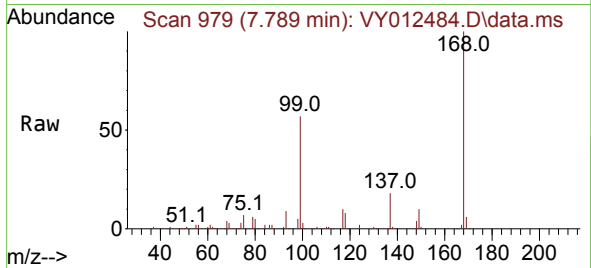




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

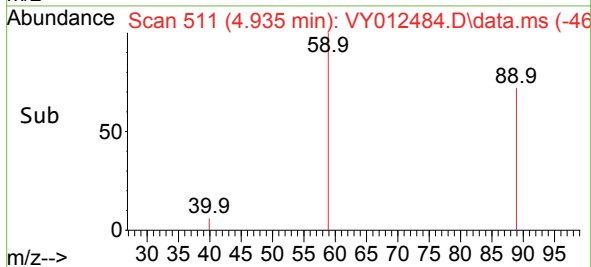
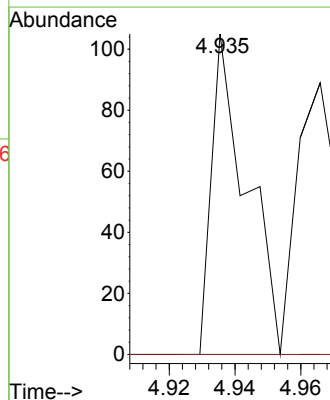
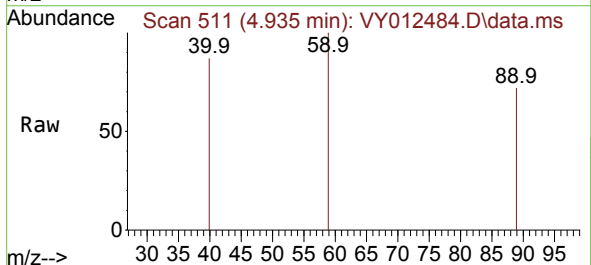
Instrument :
MSVOA_Y
ClientSampleId :

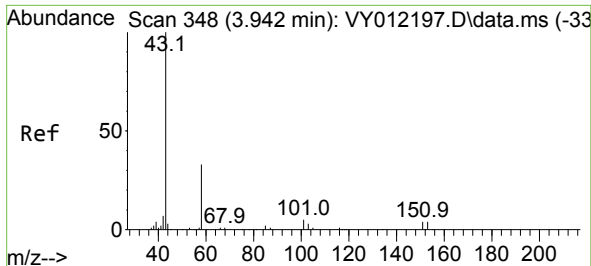
Tgt Ion:168 Resp: 166660
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.935 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

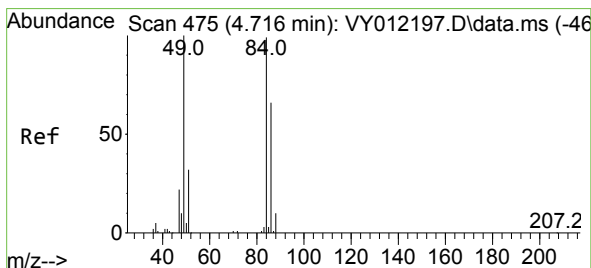
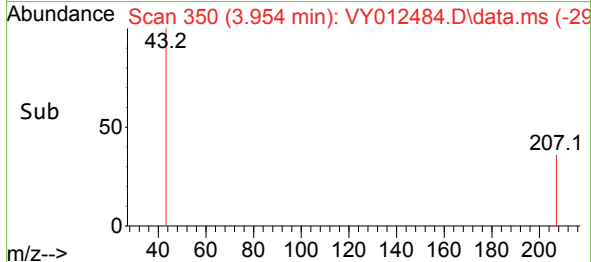
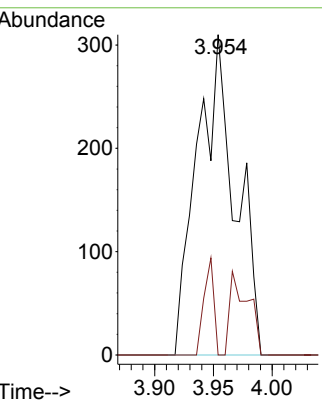
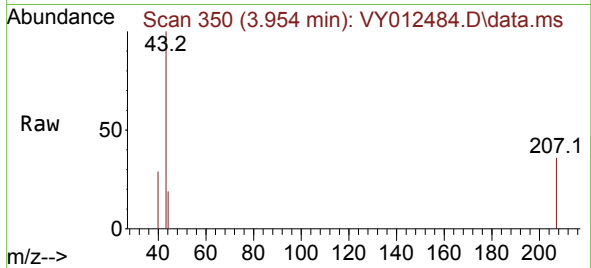




#16
Acetone
Concen: 1.511 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

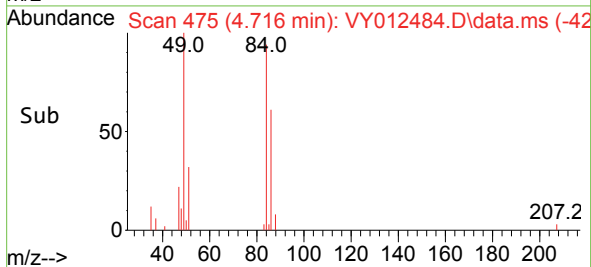
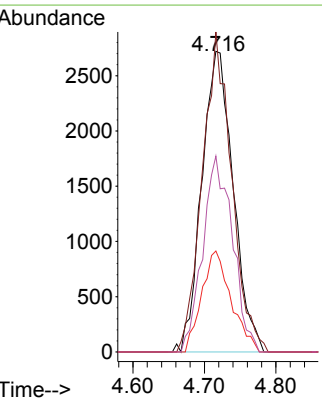
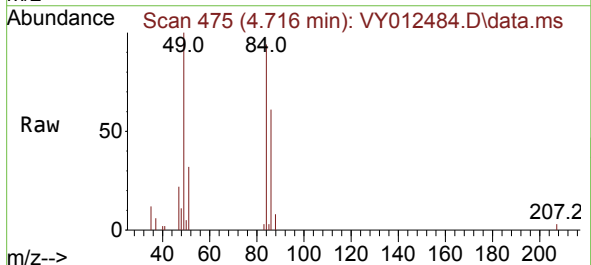
Instrument :
MSVOA_Y
ClientSampleId :

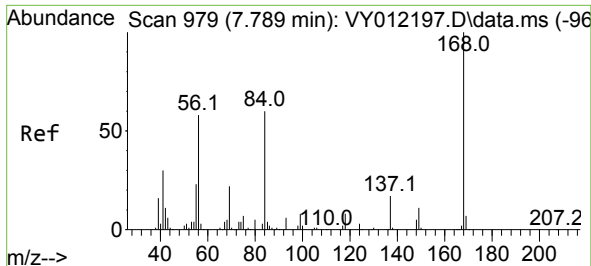
Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

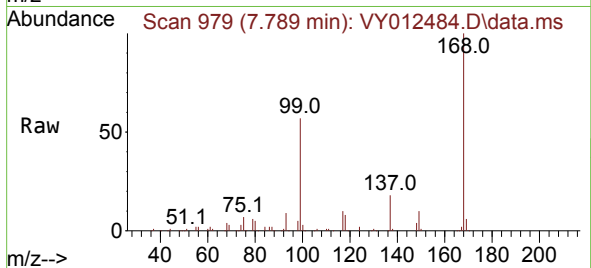
Tgt Ion: 84 Resp: 8302
Ion Ratio Lower Upper
84 100
49 106.4 95.4 143.2
51 33.6 29.9 44.9
86 65.2 49.6 74.4



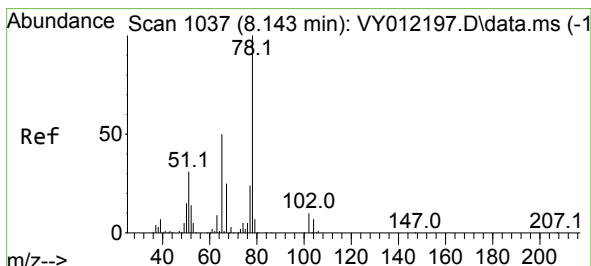
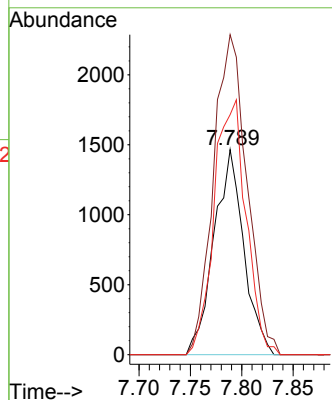
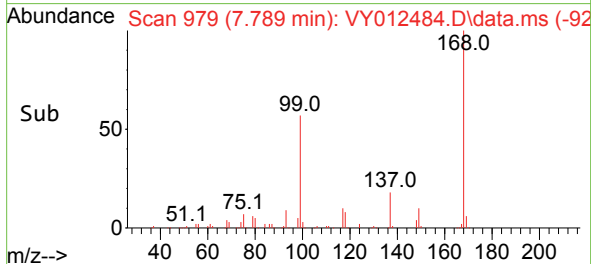


#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Instrument :
MSVOA_Y
ClientSampleId :

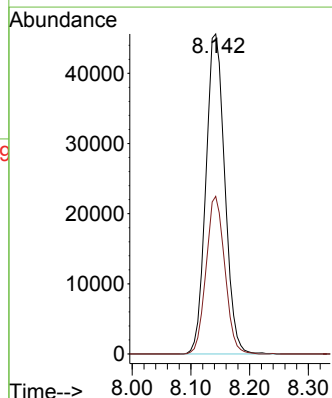
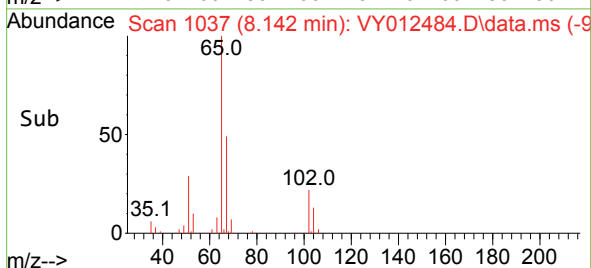
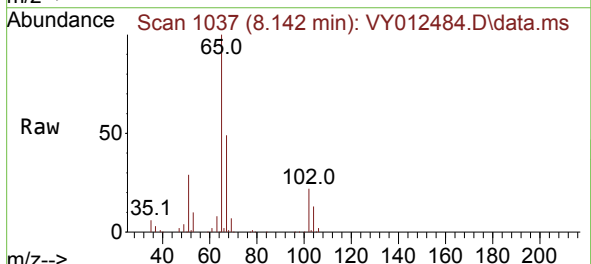


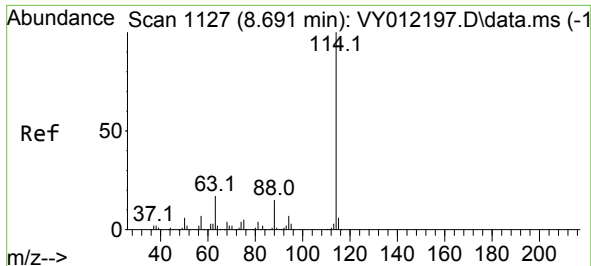
Tgt Ion: 56 Resp: 2951
Ion Ratio Lower Upper
56 100
69 156.0 29.2 43.8#
84 117.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 75.869 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Tgt Ion: 65 Resp: 101997
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012484.D

Acq: 03 Feb 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

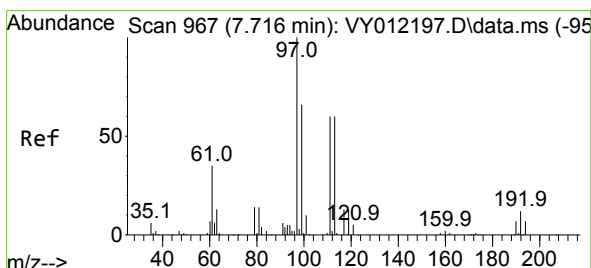
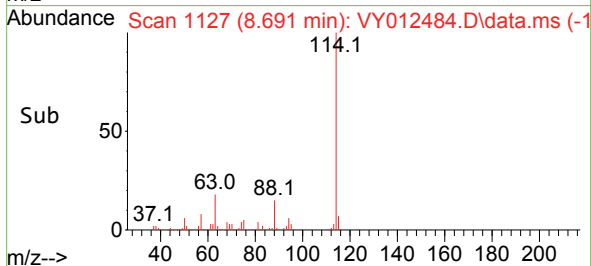
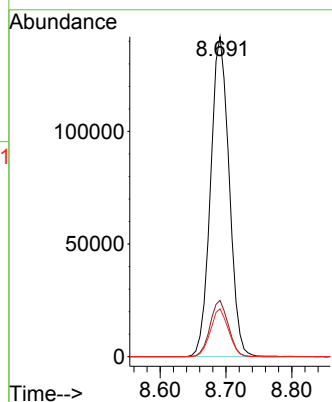
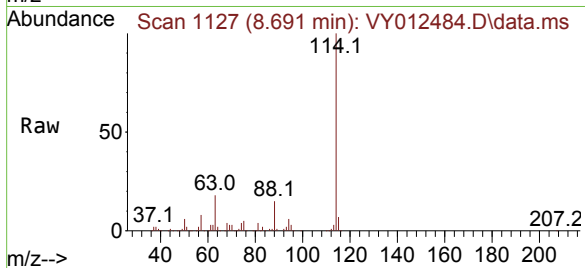
Tgt Ion:114 Resp: 279065

Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.166 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY012484.D

Acq: 03 Feb 2023 17:57

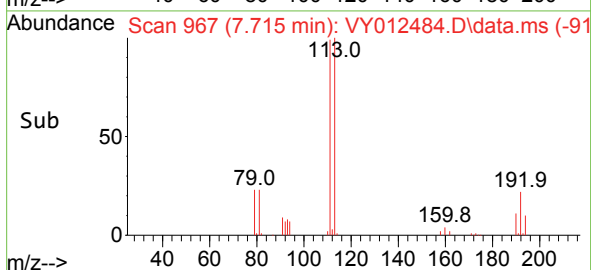
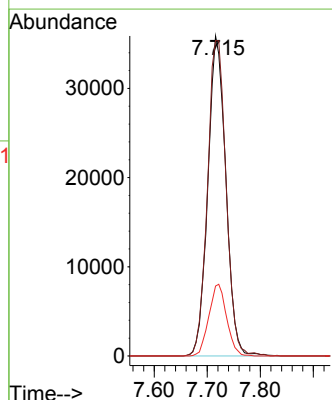
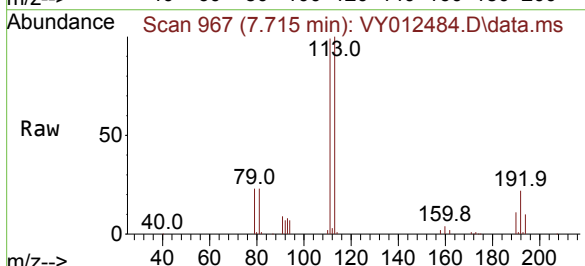
Tgt Ion:113 Resp: 84471

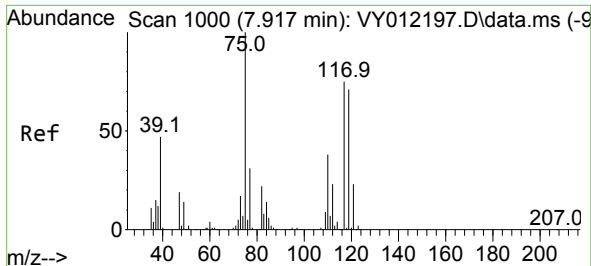
Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.4

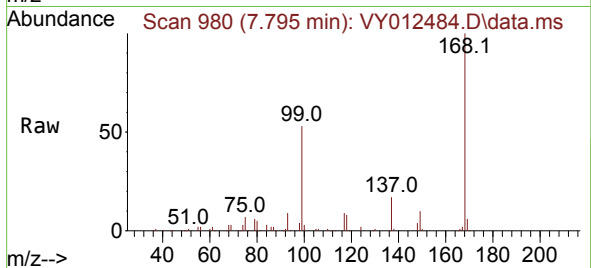
192 22.2 16.0 24.0



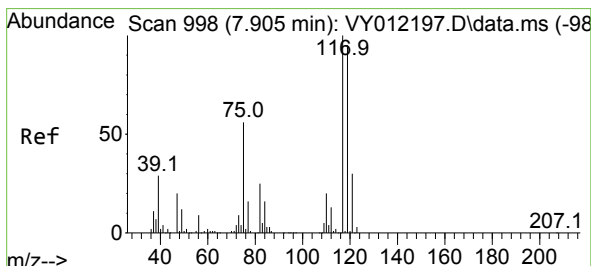
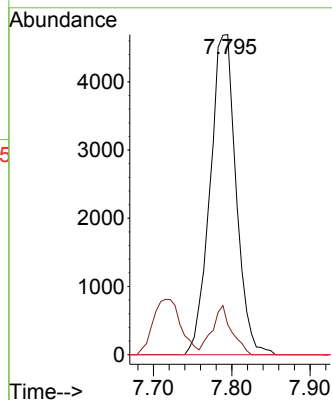
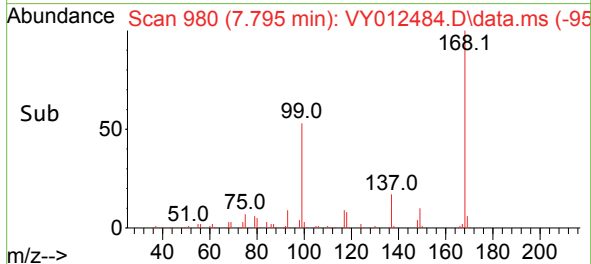


#36
 1,1-Dichloropropene
 Concen: 4.317 ug/l
 RT: 7.795 min Scan# 911
 Delta R.T. -0.122 min
 Lab File: VY012484.D
 Acq: 03 Feb 2023 17:57

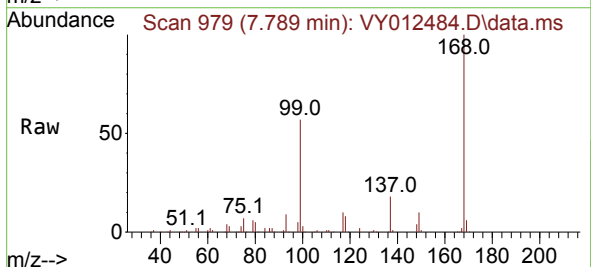
Instrument :
 MSVOA_Y
 ClientSampleId :



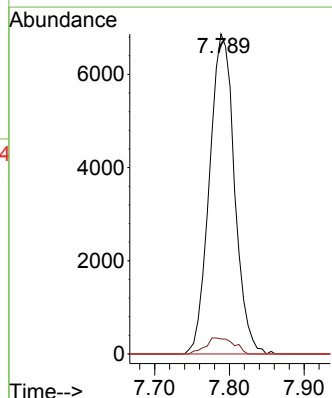
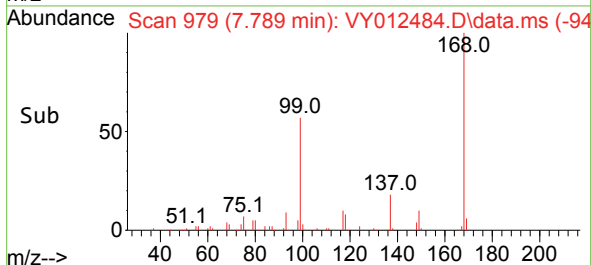
Tgt Ion: 75 Resp: 10841
 Ion Ratio Lower Upper
 75 100
 110 11.5 18.1 54.1#
 77 0.0 25.1 37.7#

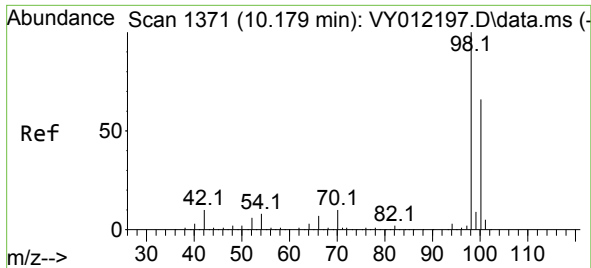


#38
 Carbon Tetrachloride
 Concen: 4.935 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY012484.D
 Acq: 03 Feb 2023 17:57



Tgt Ion: 117 Resp: 16007
 Ion Ratio Lower Upper
 117 100
 119 4.7 73.8 110.8#
 121 0.0 25.2 37.8#

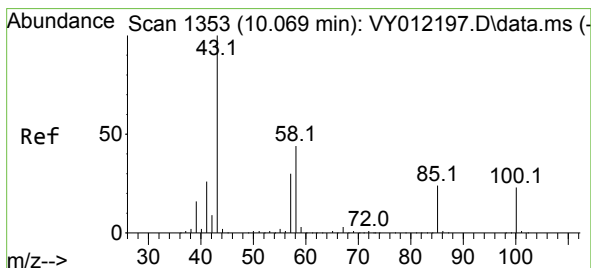
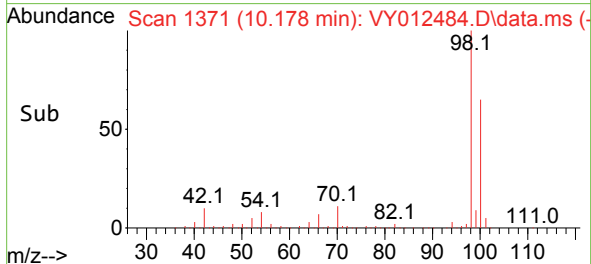
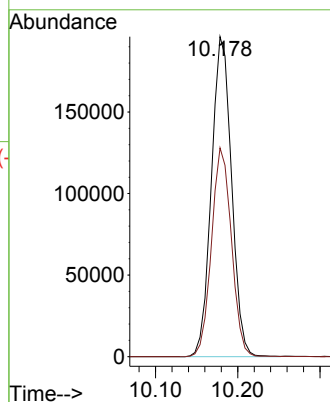
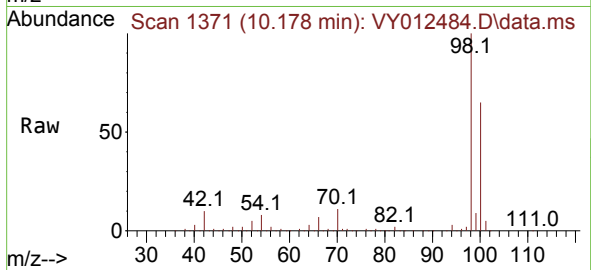




#50
Toluene-d8
Concen: 66.526 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

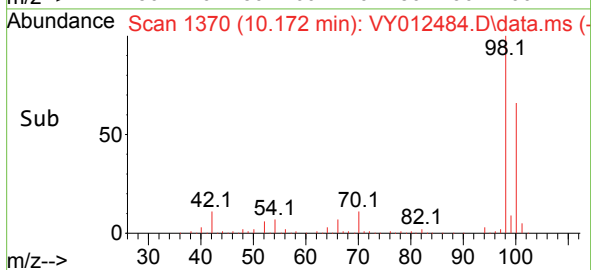
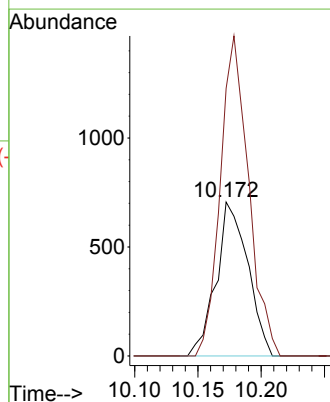
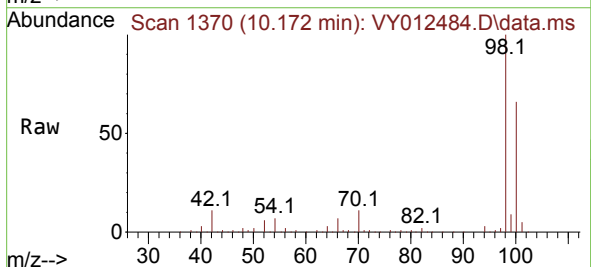
Instrument :
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ClientSampleId :

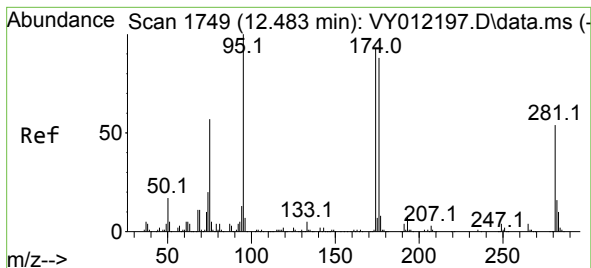
Tgt Ion: 98 Resp: 333267
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.118 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
58 186.1 32.9 49.3#

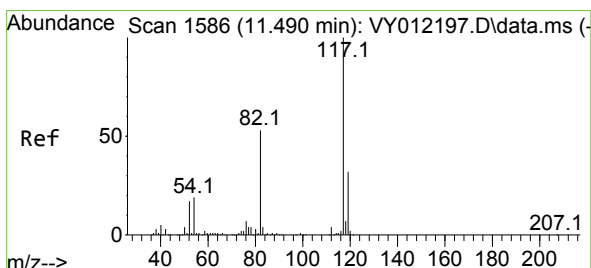
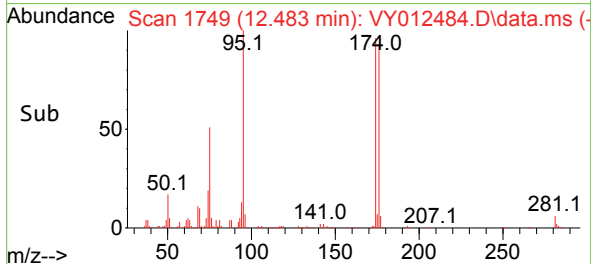
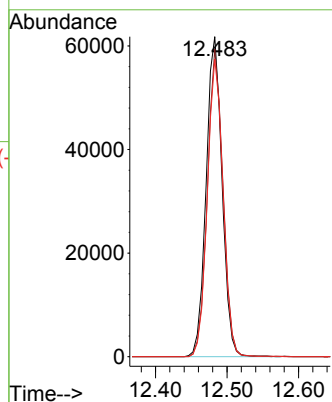
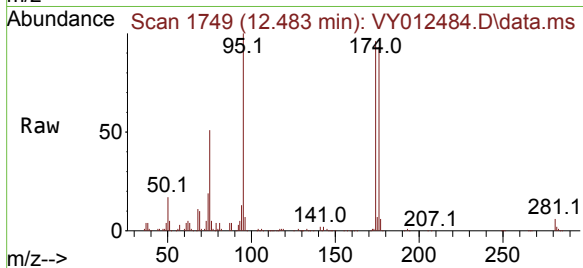




#62
4-Bromofluorobenzene
Concen: 45.796 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

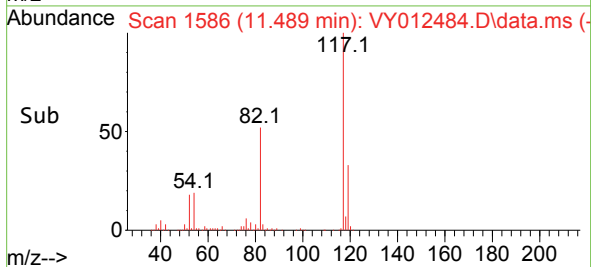
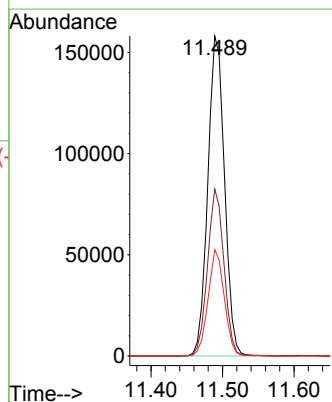
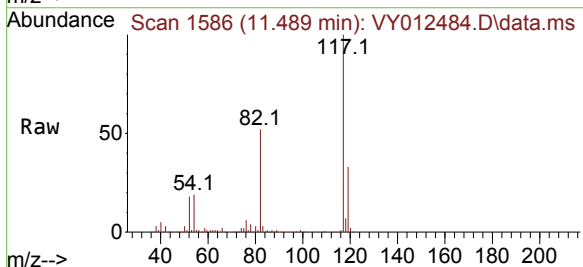
Instrument :
MSVOA_Y
ClientSampleId :

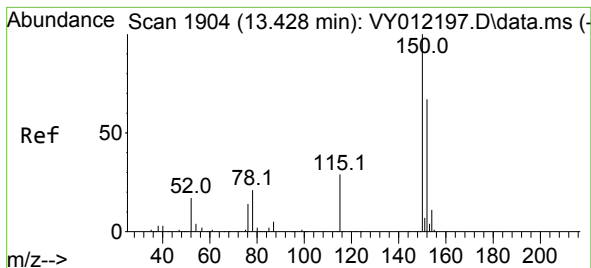
Tgt Ion: 95 Resp: 95395
Ion Ratio Lower Upper
95 100
174 94.5 0.0 172.0
176 91.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Tgt Ion: 117 Resp: 256606
Ion Ratio Lower Upper
117 100
82 52.2 44.8 67.2
119 33.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012484.D

Acq: 03 Feb 2023 17:57

Instrument :

MSVOA_Y

ClientSampleId :

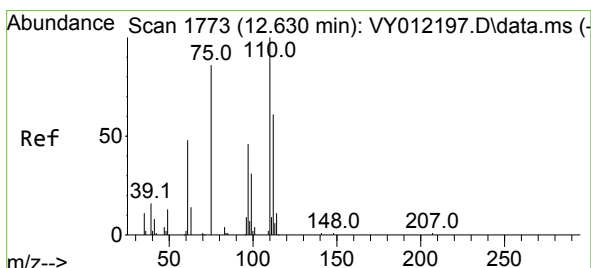
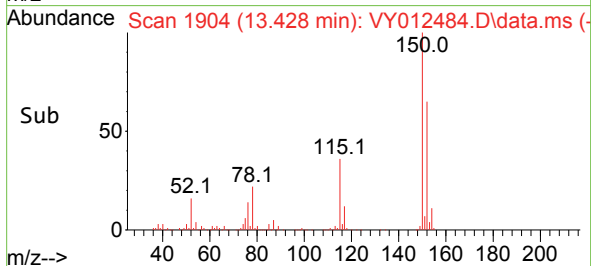
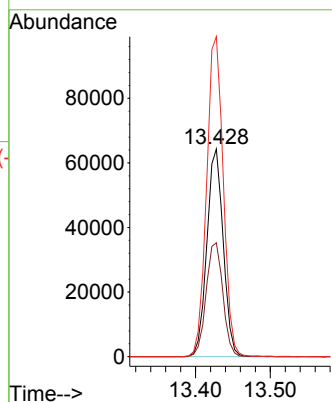
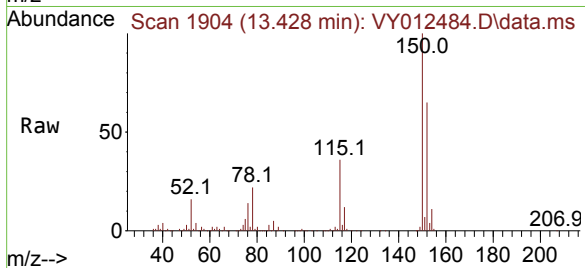
Tgt Ion:152 Resp: 97697

Ion Ratio Lower Upper

152 100

115 56.2 29.1 87.3

150 156.7 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 56.263 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012484.D

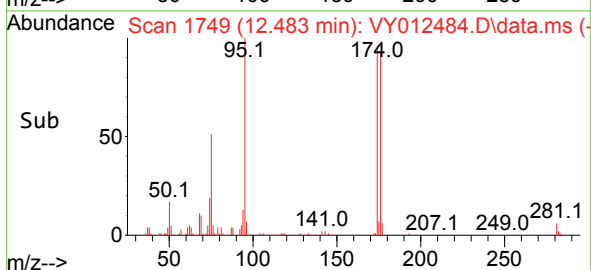
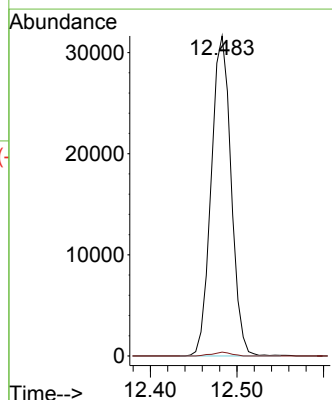
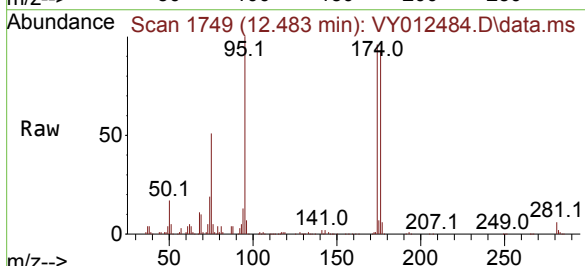
Acq: 03 Feb 2023 17:57

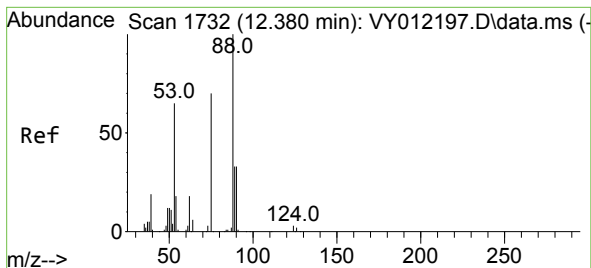
Tgt Ion: 75 Resp: 50544

Ion Ratio Lower Upper

75 100

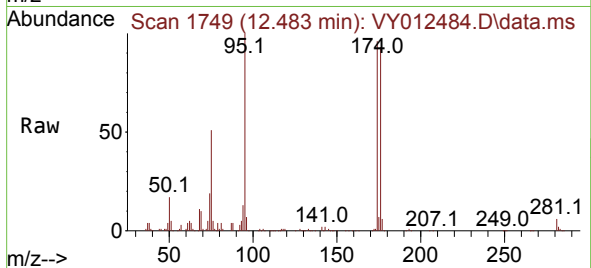
77 1.1 0.0 0.0#



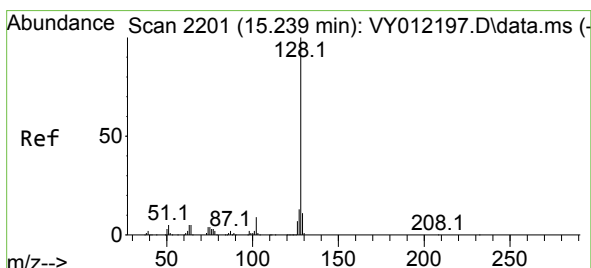
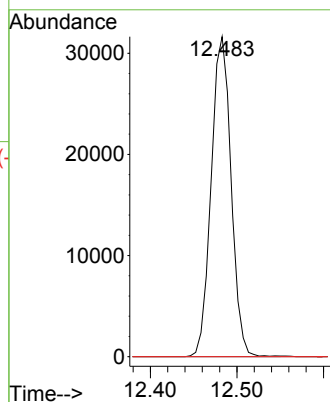
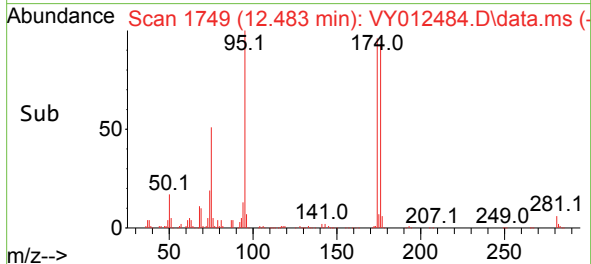


#81
trans-1,4-Dichloro-2-butene
Concen: 115.926 ug/l
RT: 12.483 min Scan# 1732
Delta R.T. 0.109 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 50544
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 1.496 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. 0.005 min
Lab File: VY012484.D
Acq: 03 Feb 2023 17:57

Tgt Ion:128 Resp: 5690
Ion Ratio Lower Upper
128 100
127 11.9 10.2 15.2
129 12.1 8.8 13.2

