

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012474.D
 Acq On : 03 Feb 2023 14:03
 Operator : KP/MD
 Sample : 01418-05
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:08:55 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)

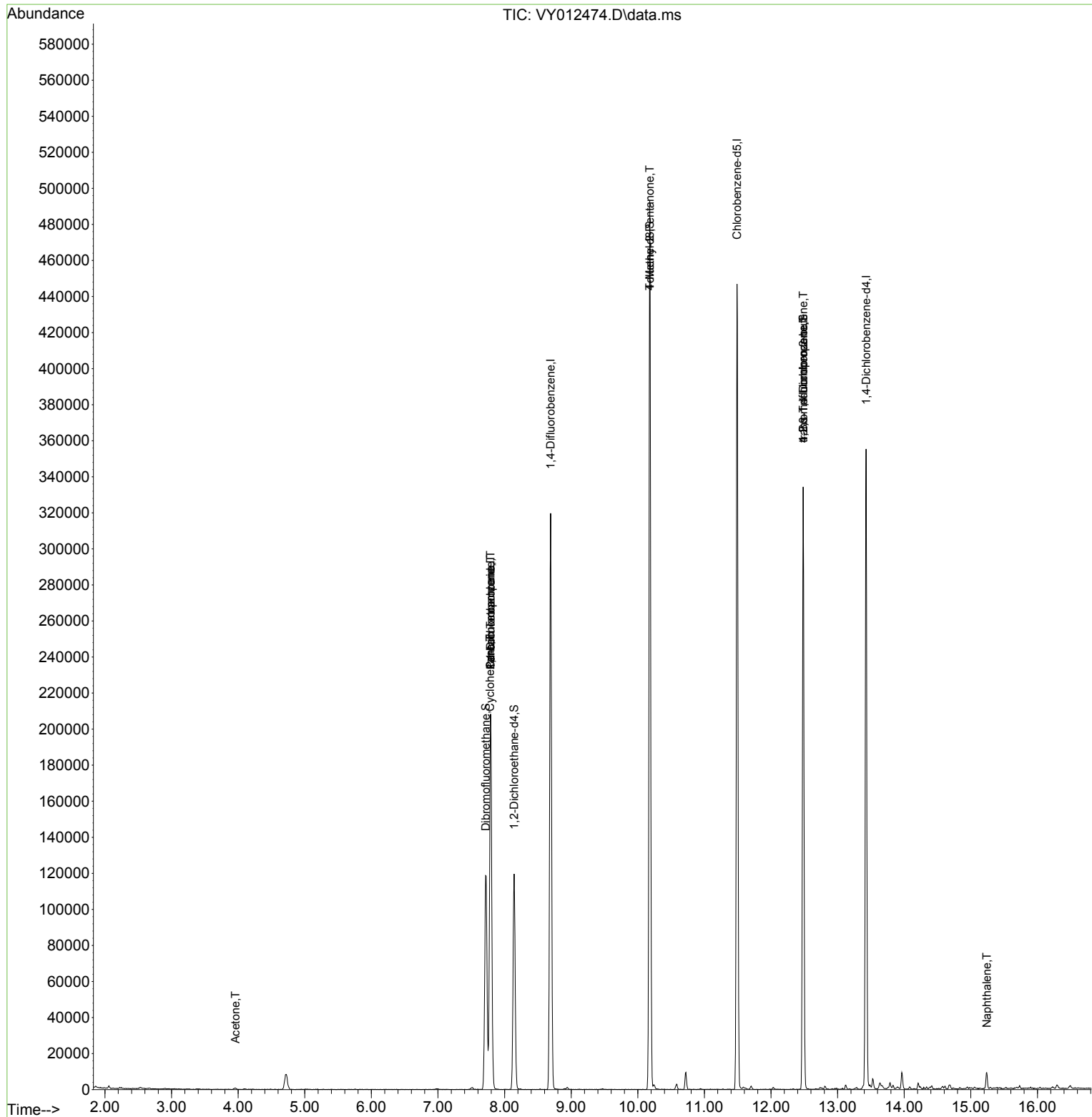
Internal Standards						
1) Pentafluorobenzene	7.789	168	167038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	99810	73.973	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.940%	
35) Dibromofluoromethane	7.716	113	83384	55.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.800%	
50) Toluene-d8	10.179	98	328560	64.862	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 129.720%	
62) 4-Bromofluorobenzene	12.483	95	94987	45.174	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.340%	
Target Compounds						
11) Tert butyl alcohol	4.954	59	59	Below Cal	#	74
16) Acetone	3.960	43	1279	2.750	ug/l	97
20) Methylene Chloride	4.722	84	7136	Below Cal		88
31) Cyclohexane	7.783	56	2950	1.211	ug/l	# 23
36) 1,1-Dichloropropene	7.789	75	11008	4.342	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	16142	4.930	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.179	43	1132	1.021	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	50037	57.311	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	50037	118.086	ug/l	# 13
95) Naphthalene	15.239	128	8299	2.244	ug/l	99

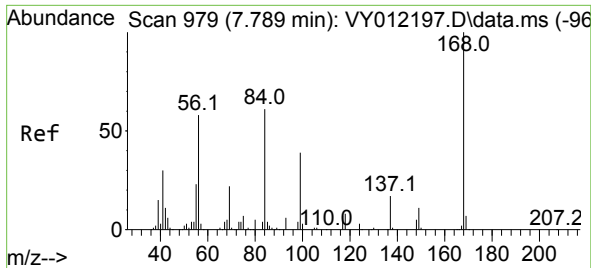
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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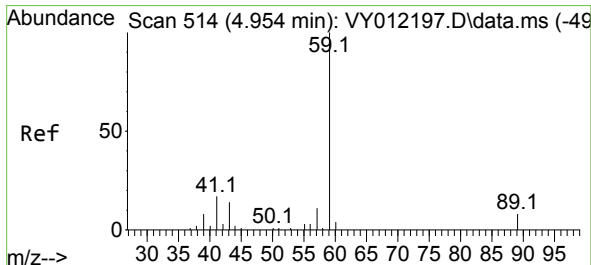
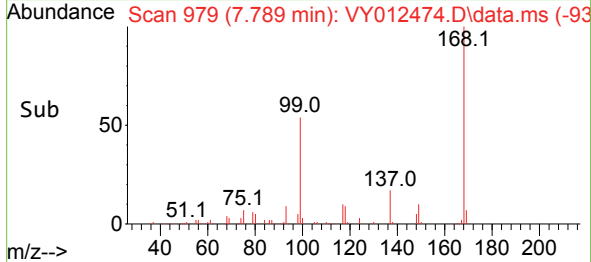
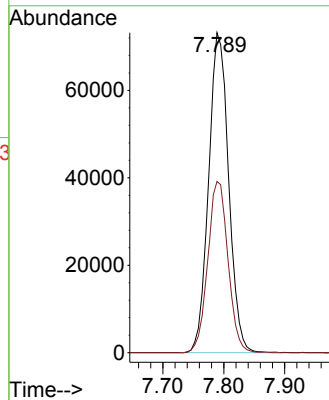
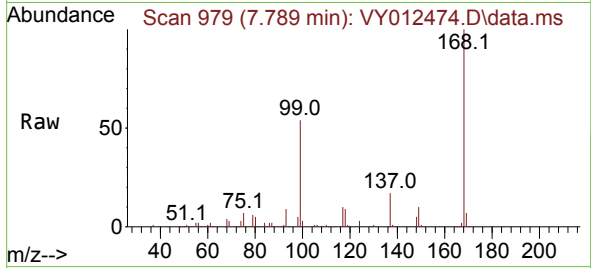




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

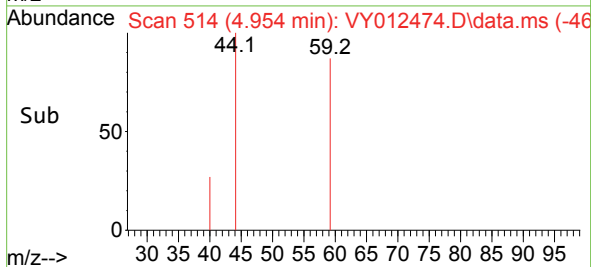
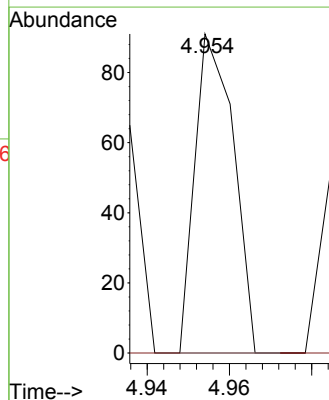
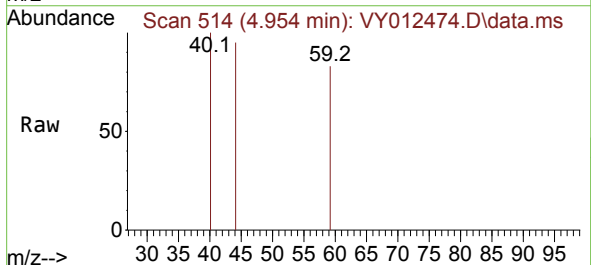
Instrument :
MSVOA_Y
ClientSampleId :

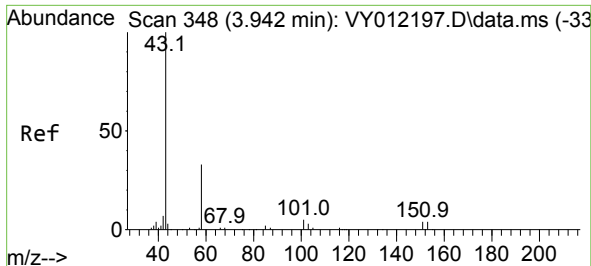
Tgt Ion:168 Resp: 167038
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

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

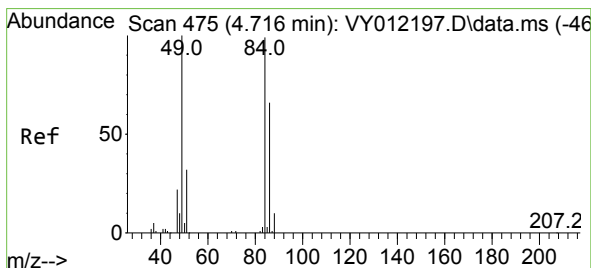
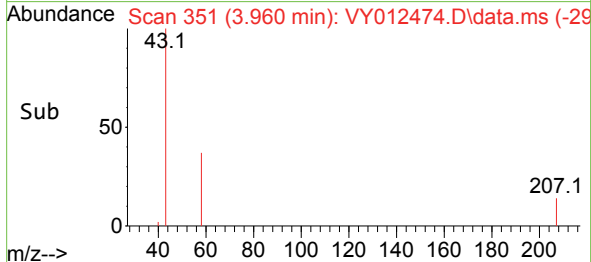
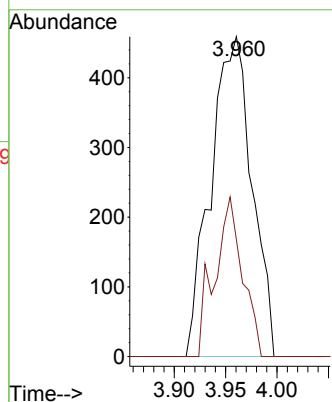
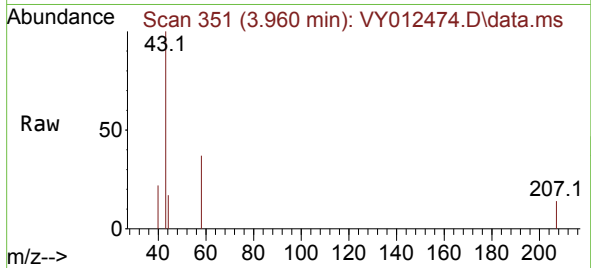




#16
Acetone
Concen: 2.750 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

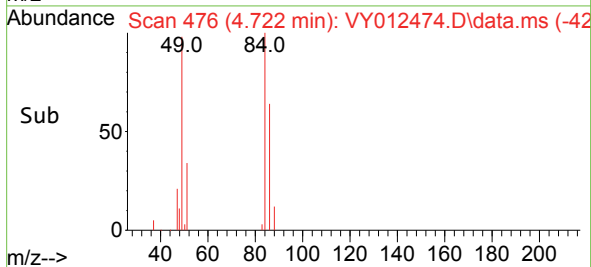
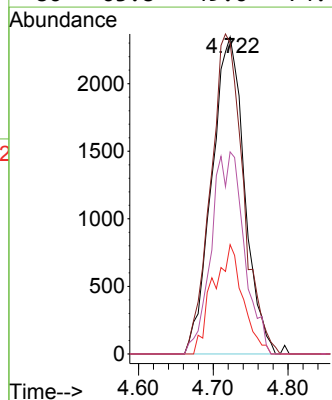
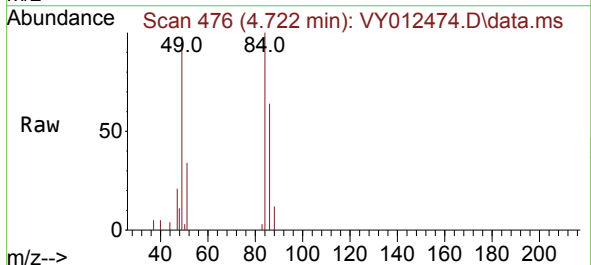
Instrument :
MSVOA_Y
ClientSampleId :

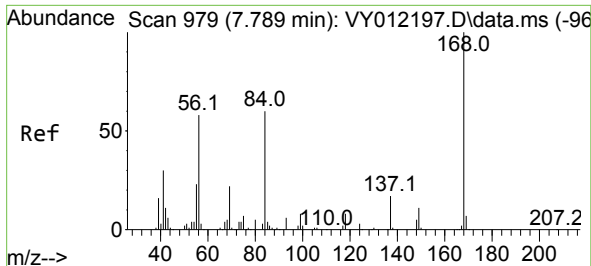
Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 36.6 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

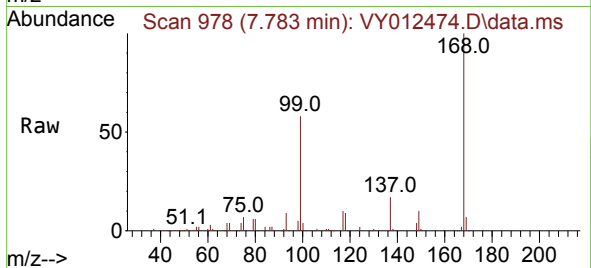
Tgt Ion: 84 Resp: 7136
Ion Ratio Lower Upper
84 100
49 98.1 95.4 143.2
51 34.5 29.9 44.9
86 63.8 49.6 74.4



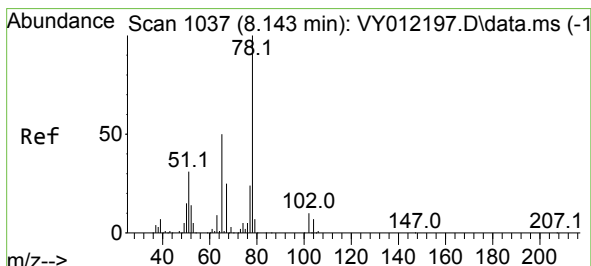
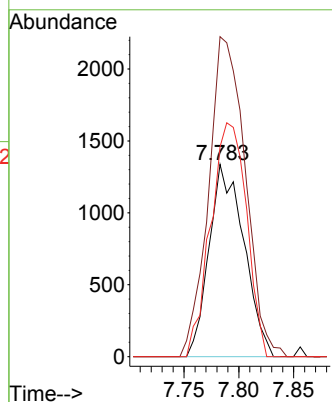
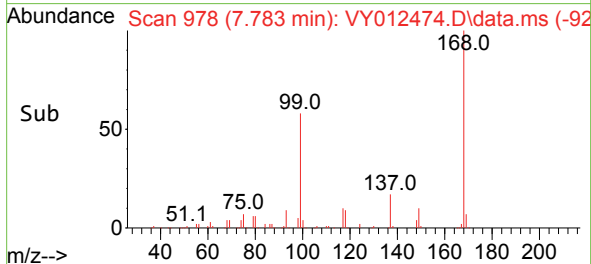


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

Instrument :
MSVOA_Y
ClientSampleId :

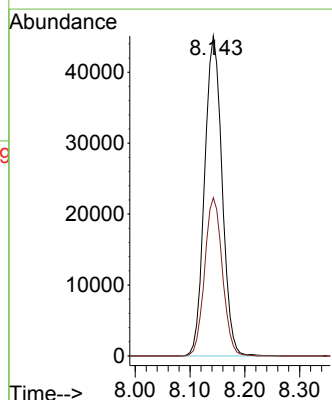
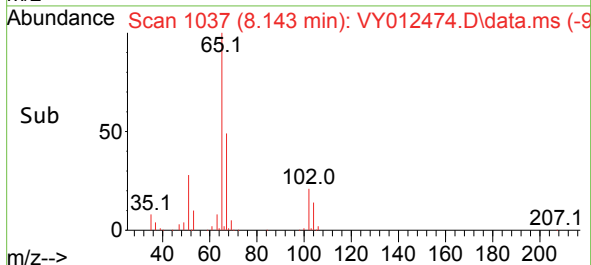
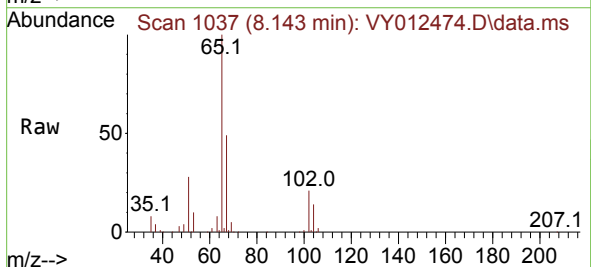


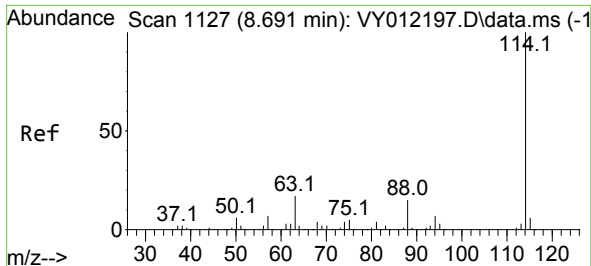
Tgt Ion: 56 Resp: 2950
Ion Ratio Lower Upper
56 100
69 166.4 29.2 43.8#
84 109.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 73.973 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

Tgt Ion: 65 Resp: 99810
Ion Ratio Lower Upper
65 100
67 50.1 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: VY012474.D

Acq: 03 Feb 2023 14:03

Instrument :

MSVOA_Y

ClientSampleId :

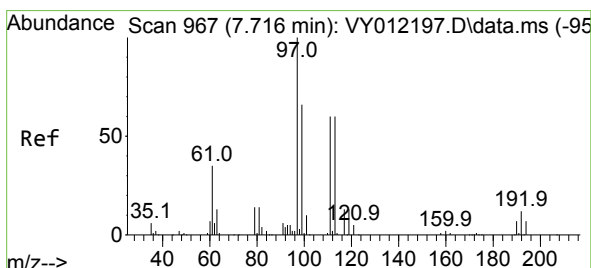
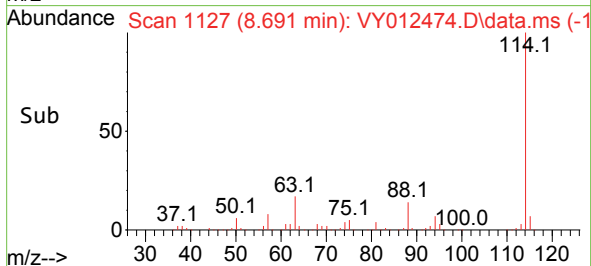
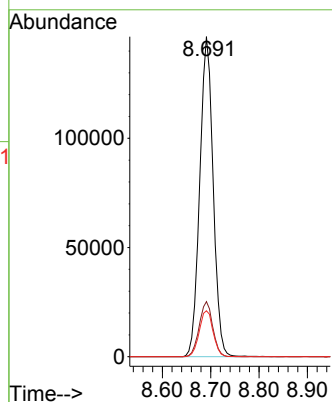
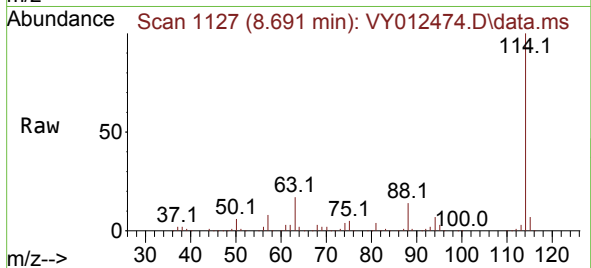
Tgt Ion:114 Resp: 281698

Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.903 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012474.D

Acq: 03 Feb 2023 14:03

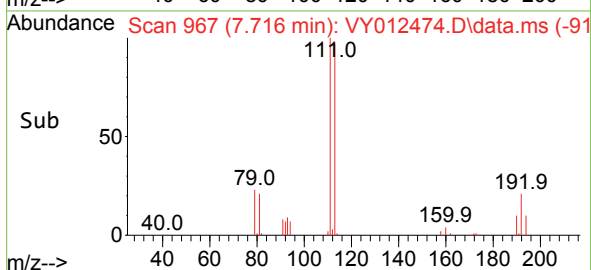
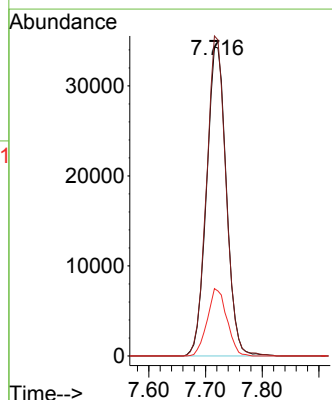
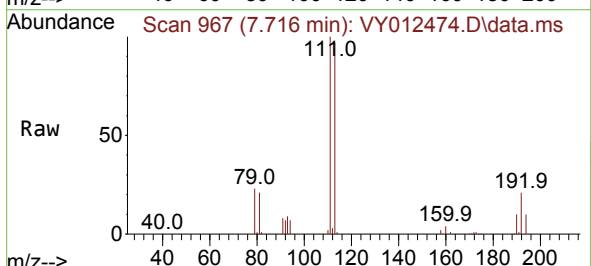
Tgt Ion:113 Resp: 83384

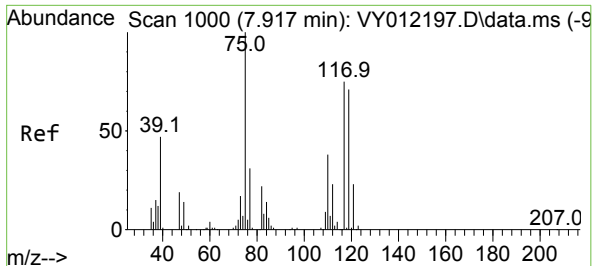
Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

192 21.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.342 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

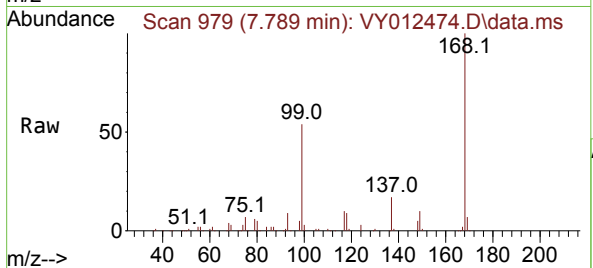
Lab File: VY012474.D

Acq: 03 Feb 2023 14:03

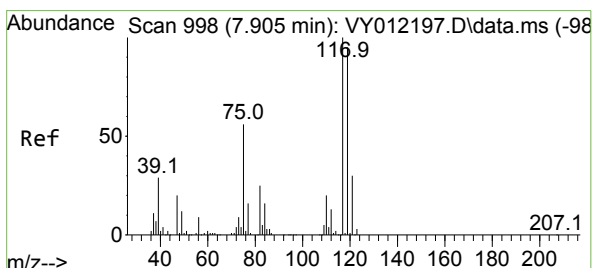
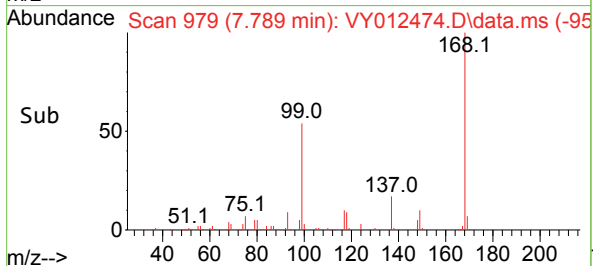
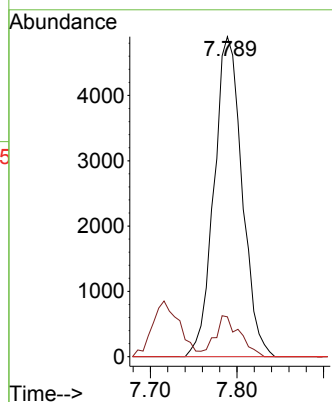
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 11008
Ion Ratio	Lower Upper
75	100
110	11.2 18.1 54.1#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.930 ug/l

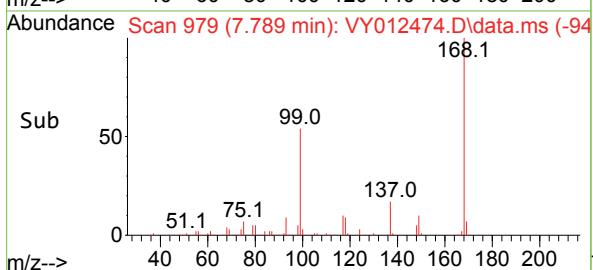
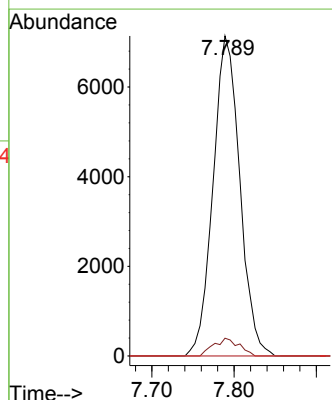
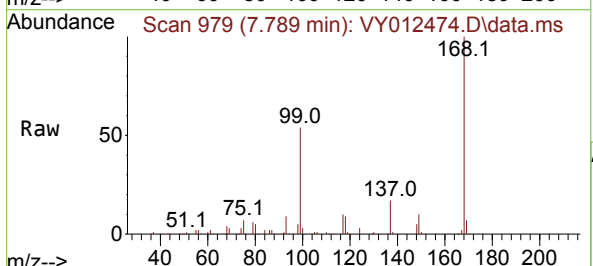
RT: 7.789 min Scan# 979

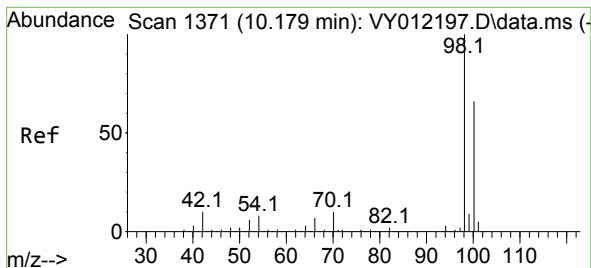
Delta R.T. -0.110 min

Lab File: VY012474.D

Acq: 03 Feb 2023 14:03

Tgt Ion: 117	Resp: 16142
Ion Ratio	Lower Upper
117	100
119	5.6 73.8 110.8#
121	0.0 25.2 37.8#





#50

Toluene-d8

Concen: 64.862 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012474.D

Acq: 03 Feb 2023 14:03

Instrument :

MSVOA_Y

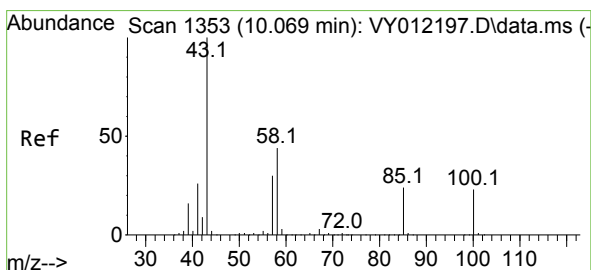
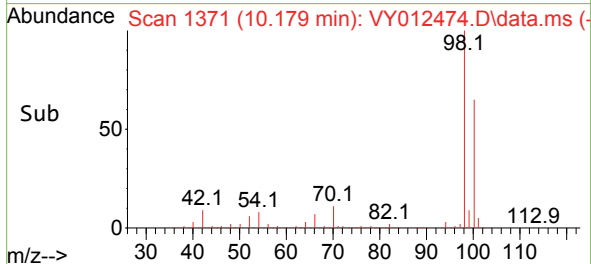
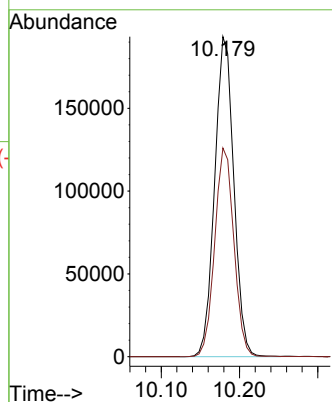
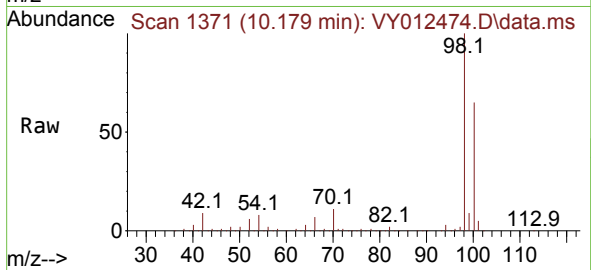
ClientSampleId :

Tgt Ion: 98 Resp: 328560

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.110 min

Lab File: VY012474.D

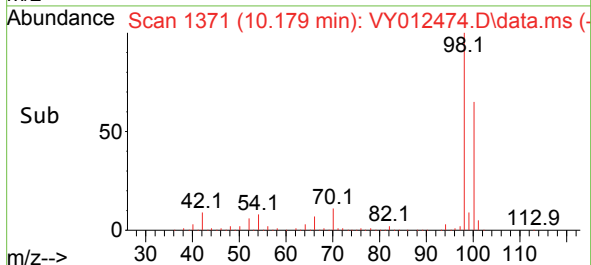
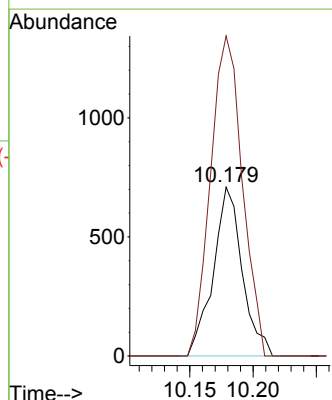
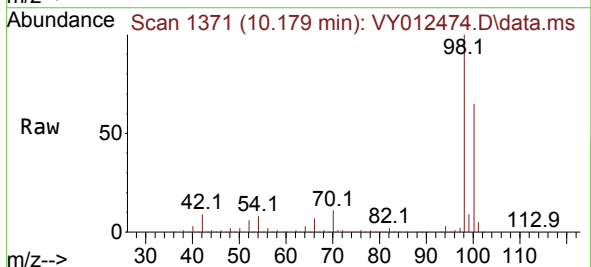
Acq: 03 Feb 2023 14:03

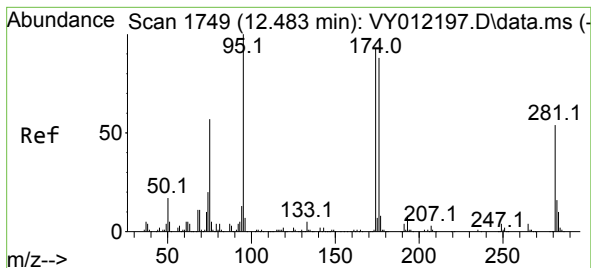
Tgt Ion: 43 Resp: 1132

Ion Ratio Lower Upper

43 100

58 207.4 32.9 49.3#

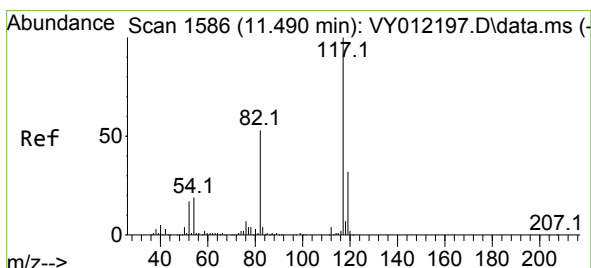
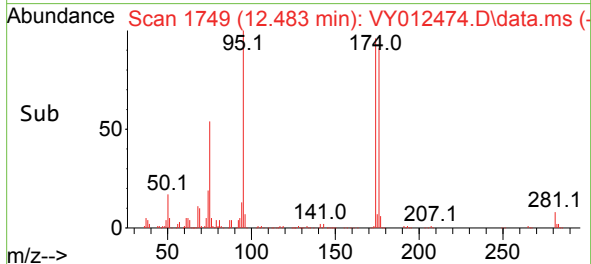
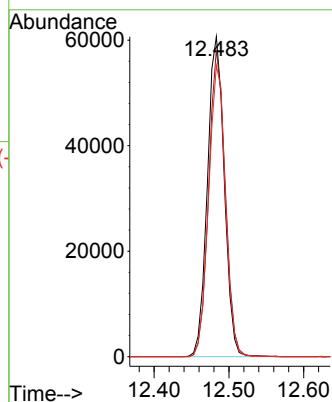
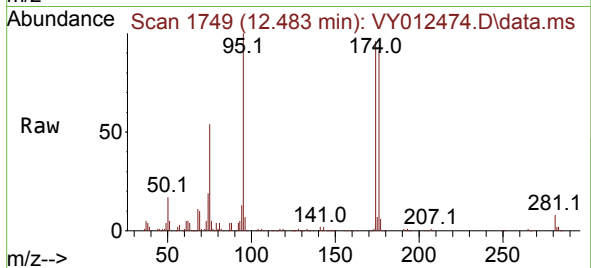




#62
4-Bromofluorobenzene
Concen: 45.174 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

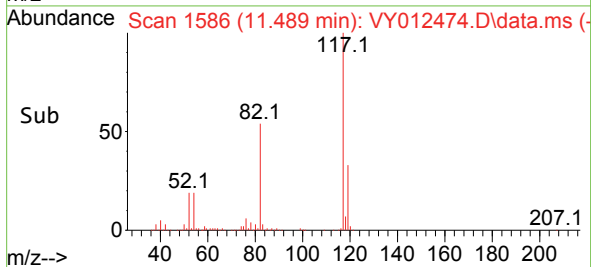
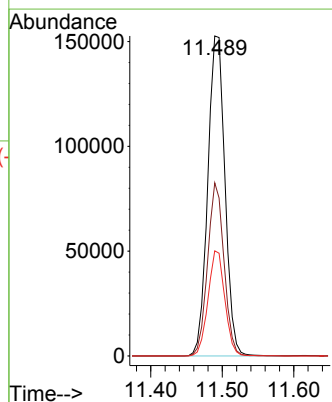
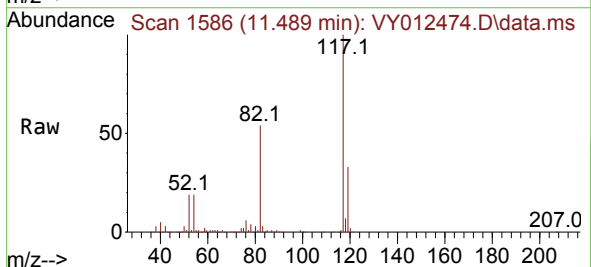
Instrument :
MSVOA_Y
ClientSampleId :

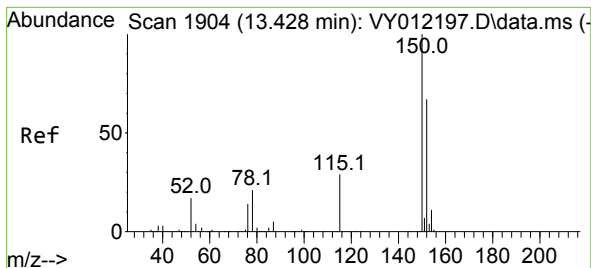
Tgt Ion: 95 Resp: 94987
Ion Ratio Lower Upper
95 100
174 94.5 0.0 172.0
176 91.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012474.D
Acq: 03 Feb 2023 14:03

Tgt Ion: 117 Resp: 254733
Ion Ratio Lower Upper
117 100
82 54.1 44.8 67.2
119 32.8 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

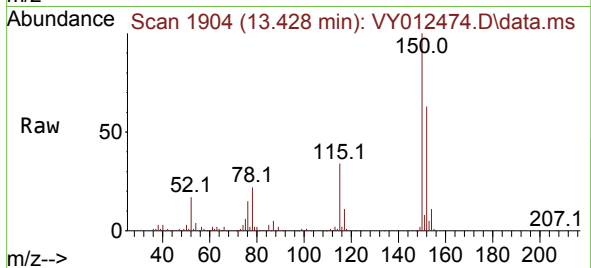
Lab File: VY012474.D

Acq: 03 Feb 2023 14:03

Instrument :

MSVOA_Y

ClientSampleId :



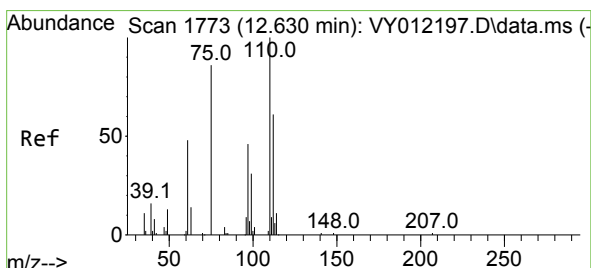
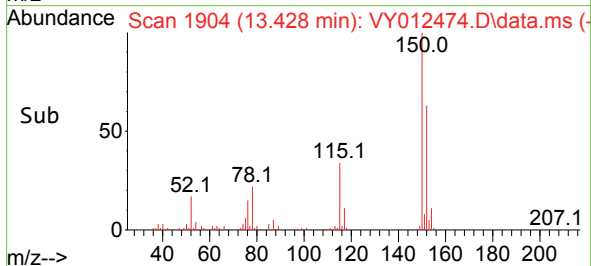
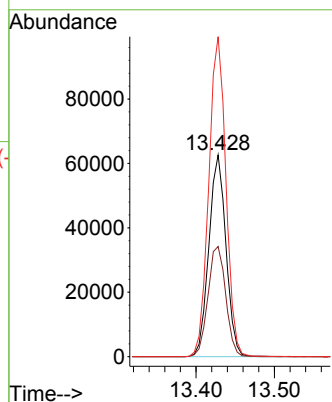
Tgt Ion:152 Resp: 94948

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.3

150 158.5 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 57.311 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012474.D

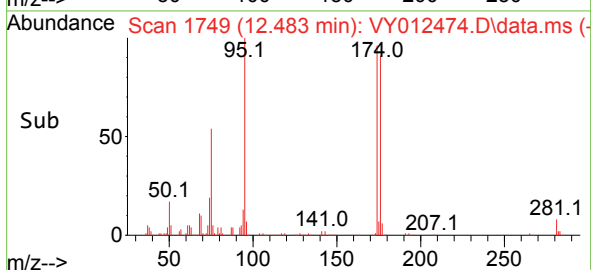
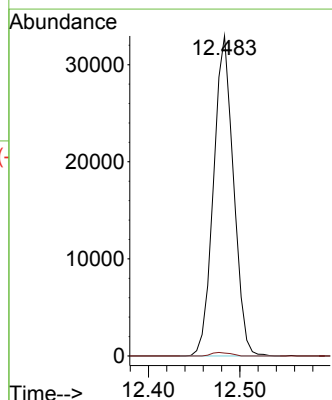
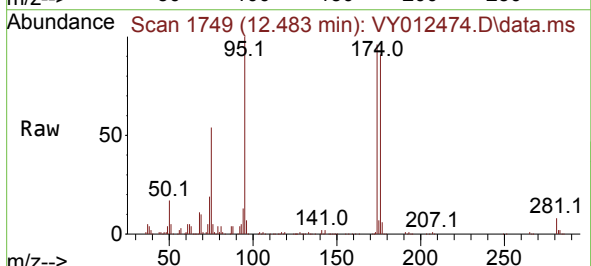
Acq: 03 Feb 2023 14:03

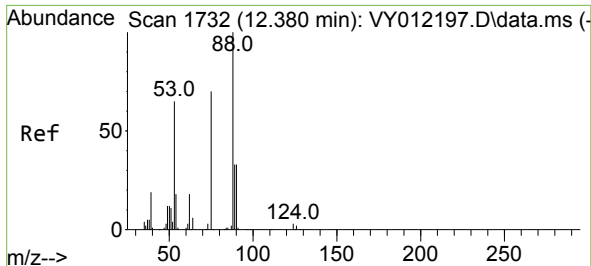
Tgt Ion: 75 Resp: 50037

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

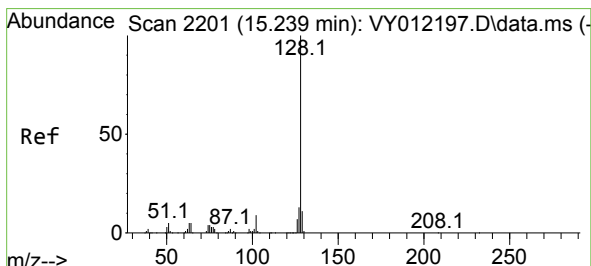
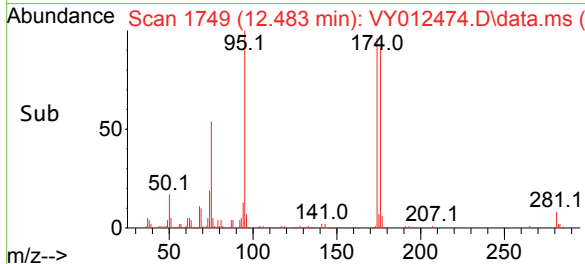
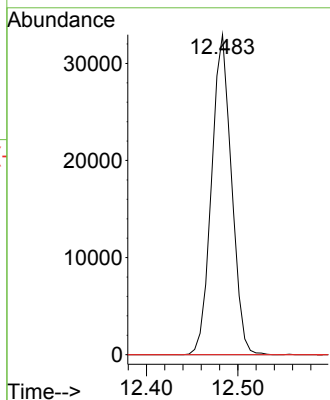
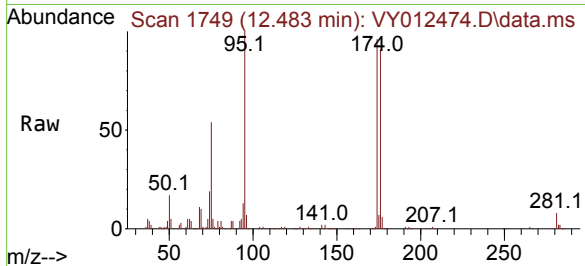




#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.086 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.109 min
 Lab File: VY012474.D
 Acq: 03 Feb 2023 14:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 50037
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#



#95
 Naphthalene
 Concen: 2.244 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. 0.006 min
 Lab File: VY012474.D
 Acq: 03 Feb 2023 14:03

Tgt Ion:128 Resp: 8299
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.2 15.2
 129 10.7 8.8 13.2

